SHIMANO 2018 BICYCLE COMPONENTS

TRADE SALES & SUPPORT MANUAL

SHIMANO



2018
BICYCLE COMPONENTS
TRADE SALES & SUPPORT MANUAL

English(GB)



PASSION FOR TECHNOLOGY

At SHIMANO, we strive for the very best. That's why we have been passionate about technology from the very beginning.
Through our technological innovations we create products that verge on perfection, products that offer you greater efficiency, increased durability, better ease of use and ultimate comfort.
All SHIMANO staff - whether in R&D, production or quality control - go to great lengths to develop cutting edge equipment that is lightweight yet sturdy, fast and reliable.
Our passion for technology inspires us to push the boundaries of what is thought possible. The result: top performing cycling products that help you to push your own boundaries too.

Introduction

	New Products	4-5
	HOLLOWTECH II Crankset with Power Meter	6
	SHIMANO SYNCHRONIZED SHIFT	7
	SHIMANO GLOBAL SPONSORSHIP 2017	8-9
	RIDING STYLE MAP	10

Mountain Bike

	XTR	14-21
	XTR M9050 Series	22-25
	DEORE XT	26-33
	DEORE XT M8050 Series	34-37
	SLX	38-44
NEW	DEORE	45-51
	SAINT	52-56
	ZEE	57-60
	DXR	61-62
	SHIMANO Series	63-72
	ALIVIO	73-76
	ACERA 9-speed	77-79
NEW	ALTUS 9-speed	80-83
	ACERA/ALTUS 8-speed	84-87
	TOURNEY TX	88-90
	TOURNEY	91-97
NEW	TOURNEY TZ	98

Trekking Bike

	DEORE XT (For Trekking Bikes)	100-103
	DEORE LX	104-107
NEW	DEORE (For Trekking Bikes)	108-110
	ALIVIO (For Trekking Bikes)	111-114
	ACERA (For Trekking Bikes)	115-116

Urban Sport

	METREA	118-120

City

	ALFINE	122-125
	ALFINE DI2 Specification	126-127
	NEXUS INTER-8	128-132
	NEXUS INTER-7	133
	NEXUS INTER-3	134
	NEXUS	134-135
	Hub Dynamos	136-140

Road Bike

	DURA-ACE	142-149
	DURA-ACE R9150 Series	150-154
NEW	ULTEGRA	155-160
NEW	ULTEGRA R8050 Series	161-164
	105	165-169
	TIAGRA	170-173
	SORA	174-176
NEW	CLARIS	177-179
	SHIMANO Cyclocross and On-road Disc Brake	180-189
	TOURNEY A070	190-191
	SHIMANO A050	191
	SHIMANO Series	192-196
	DURA-ACE TRACK	197

E-BIKE

	SHIMANO STEPS E8000/E6000 Series	199-210

Others

	SHIMANO Wheels	212-222
	SHIMANO Original Technology	223-252

Lifestyle Gear

	SPORT CAMERA	254
	Eyewear	256-262
	Bag	263-265
	Footwear	266-281
	Pedal	282-295
	Apparel	296-314

	Specifications	315-423
	Compatibility	424-442

For specifications and compatibility
>>> http://productinfo.shimano.com

For more technical information
>>> http://si.shimano.com

2018 NEW PRODUCTS



DEORE M6000 Series

▶ 45



ALTUS M2000 Series

▶ 80



TOURNEY TZ

▶ 98

SHIMANO's new products of 2018 are DEORE, ALTUS, TOURNEY TZ, DEORE, ULTEGRA, and CLARIS.
The latest technology of SHIMANO is equipped with the all new products.







HOLLOWTECH II CRANKSET WITH POWER METER

POWER TO YOU

FC-R9100-P

With the first integrated power meter, you can expect extremely accurate data. The FC-R9100-P is SHIMANO's first power meter, as well as SHIMANO's first crank-integrated power meter on the market. It retains its unique asymmetrical four-arm spider construction, but with a 'brain' mounted on the inside. On its crank arm are the strain gauges. Working perfectly in sync with each other, you can use the extremely precise power data to improve your performance.

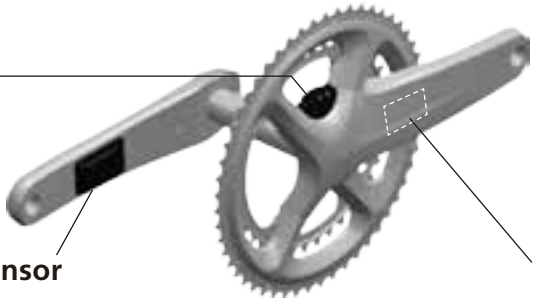


HG-EV HG-X11 Bluetooth

External Structure

Control Unit

- ANT+/Bluetooth® LE compatible
- LED indicator
- Button
- Charging port



Extensibility

ANT+/Bluetooth® LE communication capabilities

Wireless transmission info. to 3rd party display

Wireless connection with E-TUBE app by tablet & smartphone



- Wireless firmware update
- Take quick look of power and cadence info.
- Zero offset calibration

>>> For more information, go to page 234

SHIMANO SYNCHRONIZED SHIFT

What is SHIMANO SYNCHRONIZED SHIFT?

SHIMANO SYNCHRONIZED SHIFT's advanced shifting technology allows you to program and execute multiple commands of your choice, with a single shifter. Not only do you choose when the front derailleur shifts, you can program simultaneous rear shifts to maintain cadence and momentum. However, if you'd like a left shifter, it can be used as well. It would allow you to manually execute a front shift whenever you wanted, but most riders don't find that necessary.

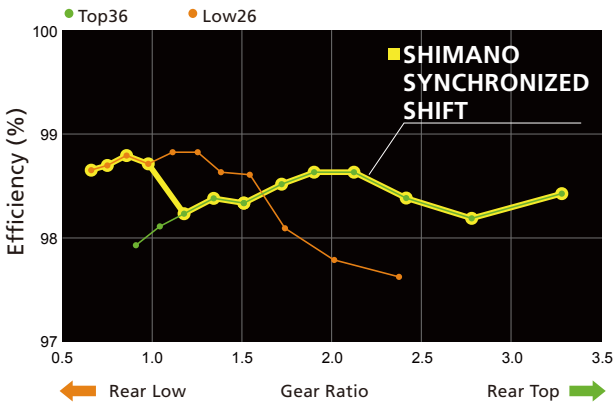


Exclusive functions

SYNCHRONIZED SHIFT automatically shifts the front derailleur when the rear derailleur is shifted, allowing the derailleurs to work together efficiently.
It gives riders the simplicity of 1x11 drivetrain, with the gear range & gear steps of a 2x11 drivetrain by utilizing a single gear shifter (or two shifters if you prefer) that can control both the front and rear derailleurs through programmable gear mapping.



Drive Efficiency Chart



Two derailleurs, One Shifter

- Front derailleur reads the rear derailleur's position and automatically executes front shifts.
- Improves efficiency by minimizing time spent on smaller chainwheels.

Programmable synchronized shifting map

- The rider chooses when front shifts occur and also chooses rear derailleur command.

Shift options

- Switch between manual and SYNCHRONIZED SHIFT modes.



Semi-SYNCHRONIZED SHIFT

- This function automatically shifts the rear derailleur when the front derailleur is shifted, allowing the derailleurs to work together efficiently. Equipped: DURA-ACE R9150 series, ULTEGRA R8050 series.

DI2 DIGITAL INTEGRATED INTELLIGENCE

SHIMANO XTR SHIMANO DEORE XT DURA-ACE SHIMANO ULTEGRA

SHIMANO GLOBAL SPONSORSHIP 2017

ROAD

MEN

WOMEN

FORTITUDE PRO CYCLING

ISOWHEY-SWISS WELLNESS (Australia)
AISAN RACING TEAM (Japan)
BMC RACING TEAM (Swiss)
BORA - HANSGROHE (Germany)
BRIDGESTONE ANCHOR CYCLING TEAM (Japan)
FDJ (France)
H&R BLOCK PRO CYCLING TEAM (Canada)
LOUIS GARNEAU (Canada)
MANZANA POSTOBON TEAM (Colombia)
ORICA - SCOTT (Australia)
TEAM LOTTO NL - JUMBO (Netherlands)
TEAM SKY (UK)
TEAM SUNWEB (Netherlands)
TERRENGANU PRO-ASIA CYCLING TEAM (Singapore)
TREK - SEGAFREDO (USA)
UNITEDHEALTHCARE PROFESSIONAL CYCLING TEAM (USA)
UTSUNOMIYA BLITZEN (Japan)
WEBER SHIMANO LADIES POWER (Argentina)
WM3 PRO CYCLING TEAM (Netherlands)

Individual
Daryl Impey (South - Africa)
Michael Albasini (Swiss)

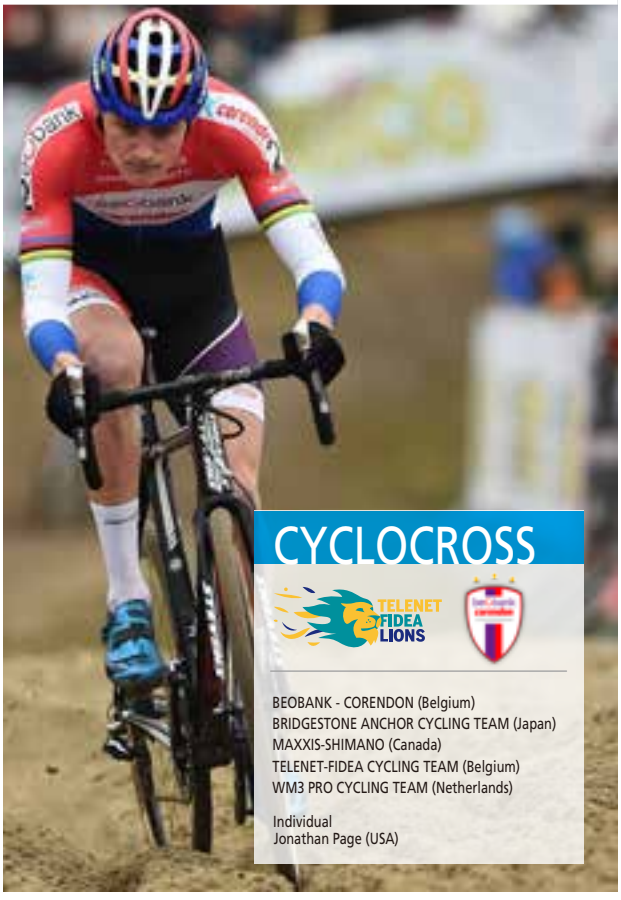




TT/TRIATHLON

TIMEX MULTISPORT TEAM (USA)

Individual
Angela Naeth (Canada)
Caitlin Snow (USA)
Callum Millward (New Zealand)
Cameron Dye (USA)
Craig Alexander (Australia)
Flora Duffy (USA)
Jeff Symonds (Canada)
Jihwan Kim (Korea)
Justin Daerr (USA)
Kevin Collington (USA)
Leon Griffin (USA)
Megali Tisseyre (Canada)
Min-ho, Heo (Korea)
Sarah Piampiano (USA)
Sarah True (USA)
Tim Berkel (Australia)



CYCLOCROSS

BEOBANK - CORENDON (Belgium)
BRIDGESTONE ANCHOR CYCLING TEAM (Japan)
MAXXIS-SHIMANO (Canada)
TELENET-FIDEA CYCLING TEAM (Belgium)
WM3 PRO CYCLING TEAM (Netherlands)

Individual
Jonathan Page (USA)

Partnerships

SHIMANO has entered into partnerships with world cycling federation UCI and Enduro World Series.
Through these partnerships, SHIMANO basically supports everyone who rides bikes at a competitive level.

>>> http://www.weraceshimano.com



XC RACE

BMC MOUNTAINBIKE TEAM (Swiss)
BRIDGESTONE ANCHOR CYCLING TEAM (Japan)
KONA FACTORY TEAM (USA)
RADON FACTORY RACING TEAM (Swiss)
STAN'S - PIVOT PRO TEAM (USA)
TREK FACTIRY RACING XC (USA)
TREK-SHIMANO AUSTRALIA (Australia)

Individual
Chang min Park (Korea)
Flora Duffy (USA)
Geoff Kabush (Canada)
Sonya Looney (Canada)
Stephen Ettinger (USA)



FREERIDE

GRAVITY MARKETING INC (Canada)

Andrew Shandro (Canada)
Bas van Steenbergen (Canada)
Bobby Lamirande (USA)
Brett Rheeder (USA)
Cameron McCaul (USA)
Carson Storch (USA)
Darren Berrecloth (Canada)
Endless Biking (Canada)
Jeff Lenosky (USA)
Thomas Genon (Belgium)
Thomas Vanderham (Canada)
Tom Van Steenbergen (Canada)
Tyler McCaul (USA)



ENDURO/DOWNHILL

GHOST FACTORY RACING (Germany)
GT FACTORY RACING (USA)
IBIS ENDURO TEAM (USA)
MS MONDRAKER TEAM (Austria)
PIVOT CYCLES (USA)
SANTA CRUZ SYNDICATE (USA)
TEAM KHS (USA)
THE NOMADS (Canada)
TEAM ROCKY MOUNTAIN ENDURO (Canada)
SCOTT - VELOSOLUTIONS (Swiss)
TREK FACTORY RACING DH (UK)
YETI MTB CYCLING TEAM (USA)

Individual
Bas van Steenbergen (Canada)
Bryn Atkinson (Canada)
Casey Brown (Canada)
Changyong Lee (Korea)
Geoff Kabush (Canada)
Jill Kintner (Canada)
Kyle Warner (USA)
Macky Franklin (USA)
Marco Osborne (USA)
Matt Hunter (Canada)
Sonya Looney (Canada)

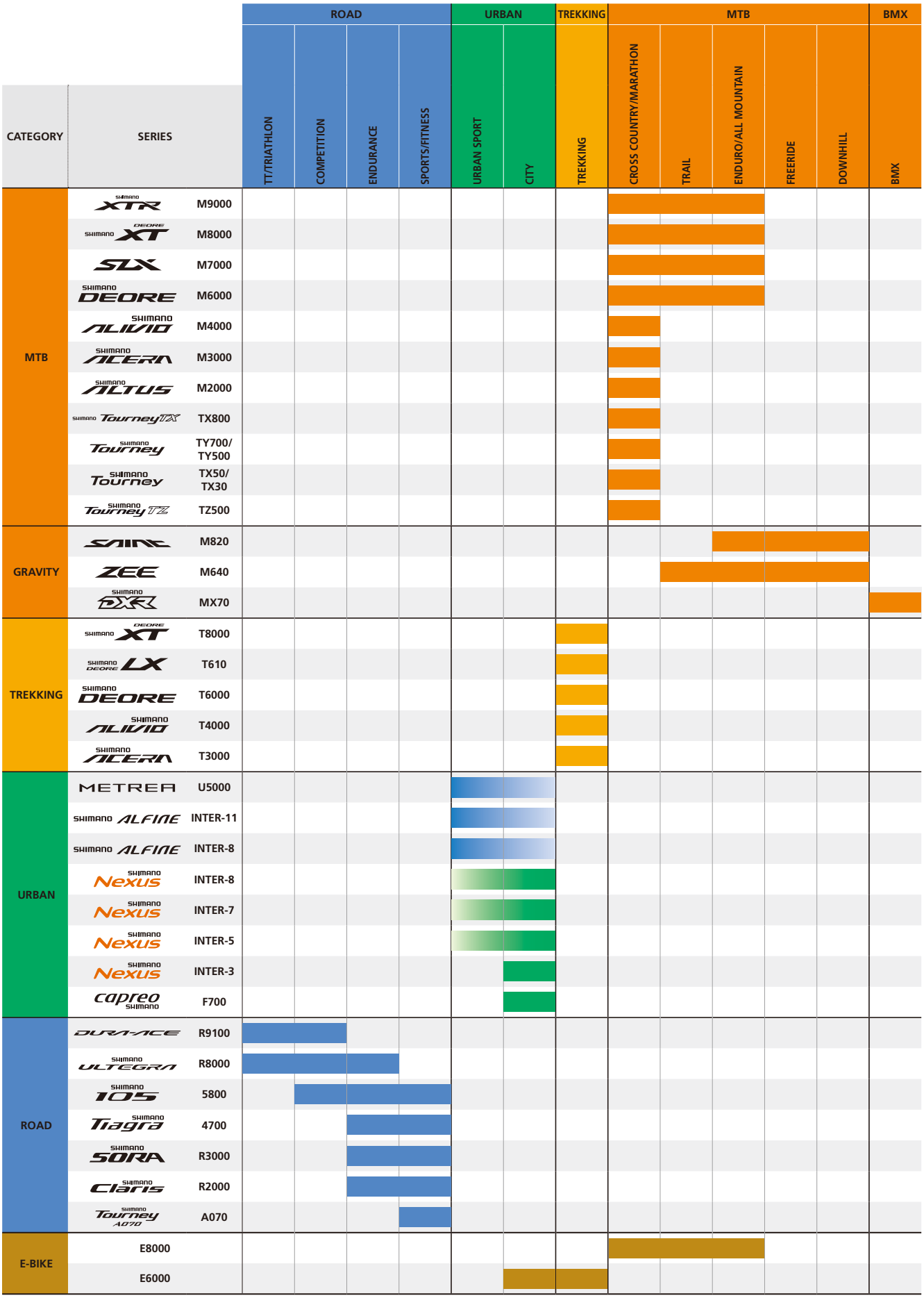


BMX

CHASE BICYCLES (USA)
DALE HOLMES RACING (USA)
TANGENT (USA)

Individual
Anthony Dean (USA)
Yoshitaku Nagasako (Japan)

RIDING STYLE MAP



MOUNTAIN BIKE

Great performance and great fun on or off the road

When you're flying down a back woods trail you can't afford to worry about how your bike's going to respond. We design our mountain bike components so they do what you want them to instantly. SHIMANO components create a more efficient bicycle-to-rider interface that demands less of your energy. We do it through low-effort and precise shifting systems and through linear response braking systems that deliver superior power and modulation. By using components that work for you, you can focus more on the task at hand riding your bicycle.

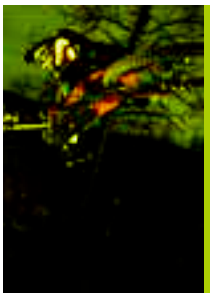


CLASSIFICATION OF MTB RIDING STYLES



DOWNHILL

Riding style	**Extreme downhill competition**
Track	Downhill race course, Steep and rocky section
Bike style	Aggressive 8-inch plus dual suspension for perfect bike control



FREERIDE

Riding style	**Gravity and technical challenge, North shore, Dirt jump. 4-cross**
Track	Observed trial stair, Drop off and over height jump
Bike style	Durable 7 to 8-inch dual suspension for big drops and gravity terrain



ENDURO/ALL MOUNTAIN

Riding style	**Long distance and endurance, Alpine pass**
Track	Rugged relief, Mountain challenge, Long and winding route
Bike style	Stable 6 to 7-inch dual suspension with advanced roll, Stiff axle system for rigidity framework



TRAIL

Riding style	**Multiple mountain trail ride**
Track	Stepping bump, Single track, Mountain path
Bike style	Moderate 5 to 6-inch dual suspension with well pedaling efficiency



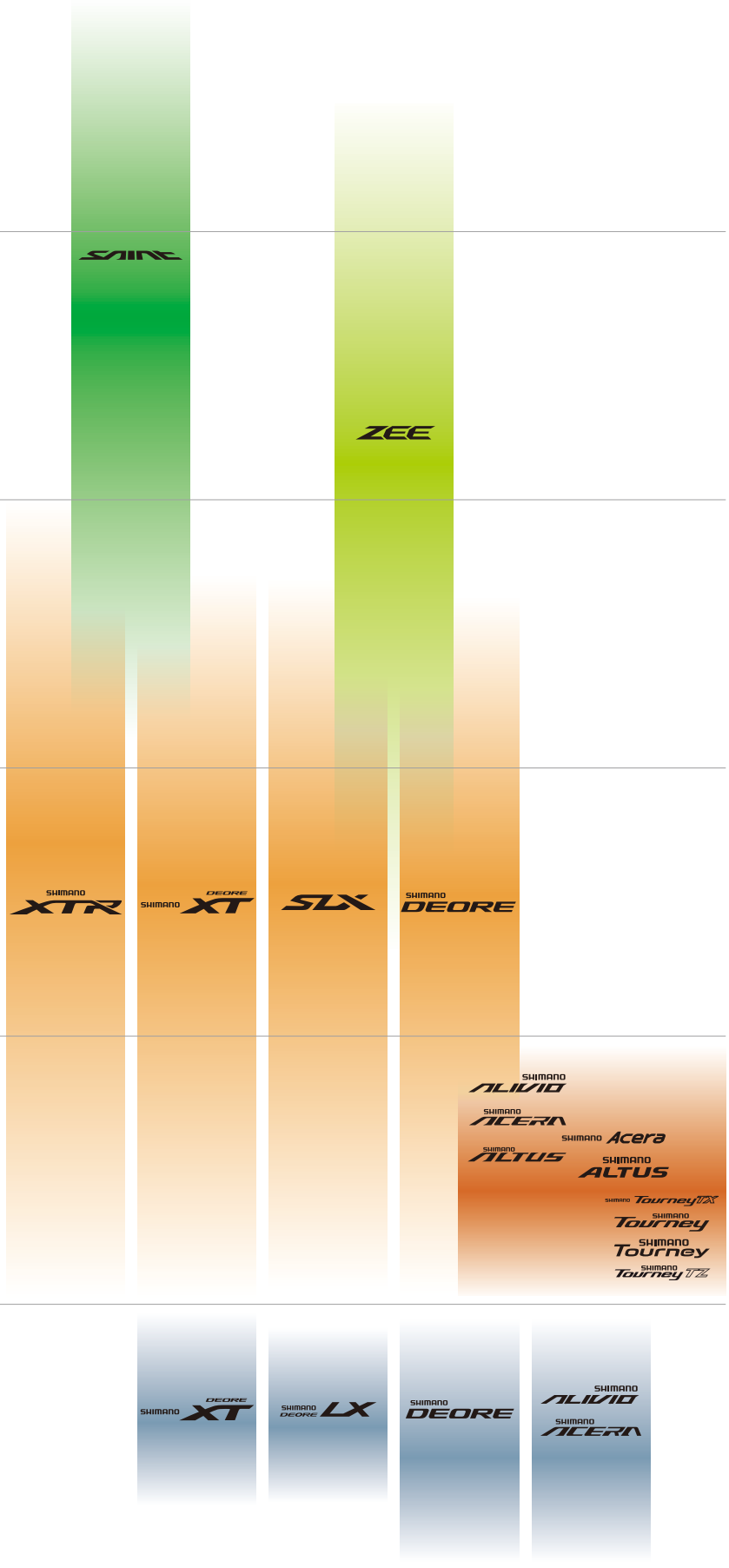
CROSS COUNTRY/MARATHON

Riding style	**Cross country and marathon**
Track	Hilly terrain, Back country area
Bike style	Hardtail, Lightweight 4 to 5-inch dual suspension



TREKKING

Riding style	**Travelling, Leisure, Commuting**
Track	On-road, Smooth off-road
Bike style	On-road, Smooth off-road



When we at SHIMANO develop MTB components, we take into consideration factors such as strength, durability, compatibility and cost-performance based on the classification of MTB riding styles. SLX, for instance, is developed as CROSS COUNTRY/MARATHON, TRAIL, and ENDURO/ALL MOUNTAIN component. So its strength and durability are quite different from those of SAINT. Therefore, every component of SLX cannot be used as a replacement of SAINT component or as a component for "DOWNHILL", "FREE RIDE", nor ENDURO/ALL MOUNTAIN.
We sincerely ask our dealers to strongly recommend that users should make intended use clear and use products appropriate to it.

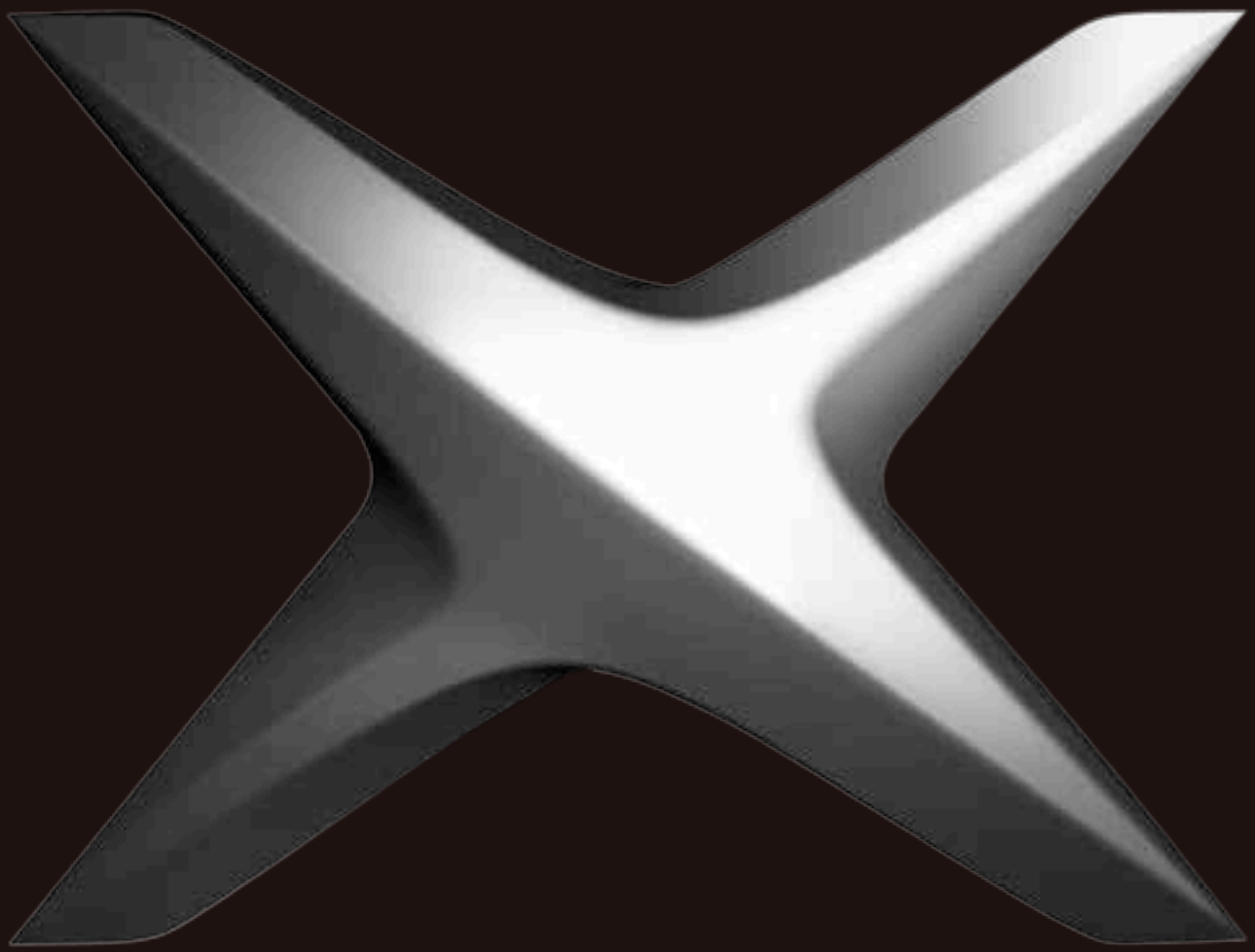
Product combination is also important.

Product combination as well as product category is very important for safe and comfortable riding.
We at SHIMANO design every product giving careful consideration to the dynamics of related products to achieve a high level of performance. This means that, you may not get satisfactory performance out of the combination with the products of different categories even if they are all SHIMANO products. * (*For compatibility information, go to http://productinfo.shimano.com)

SHIMANO XTR

ENGINEERED FOR THE WAY YOU RIDE.

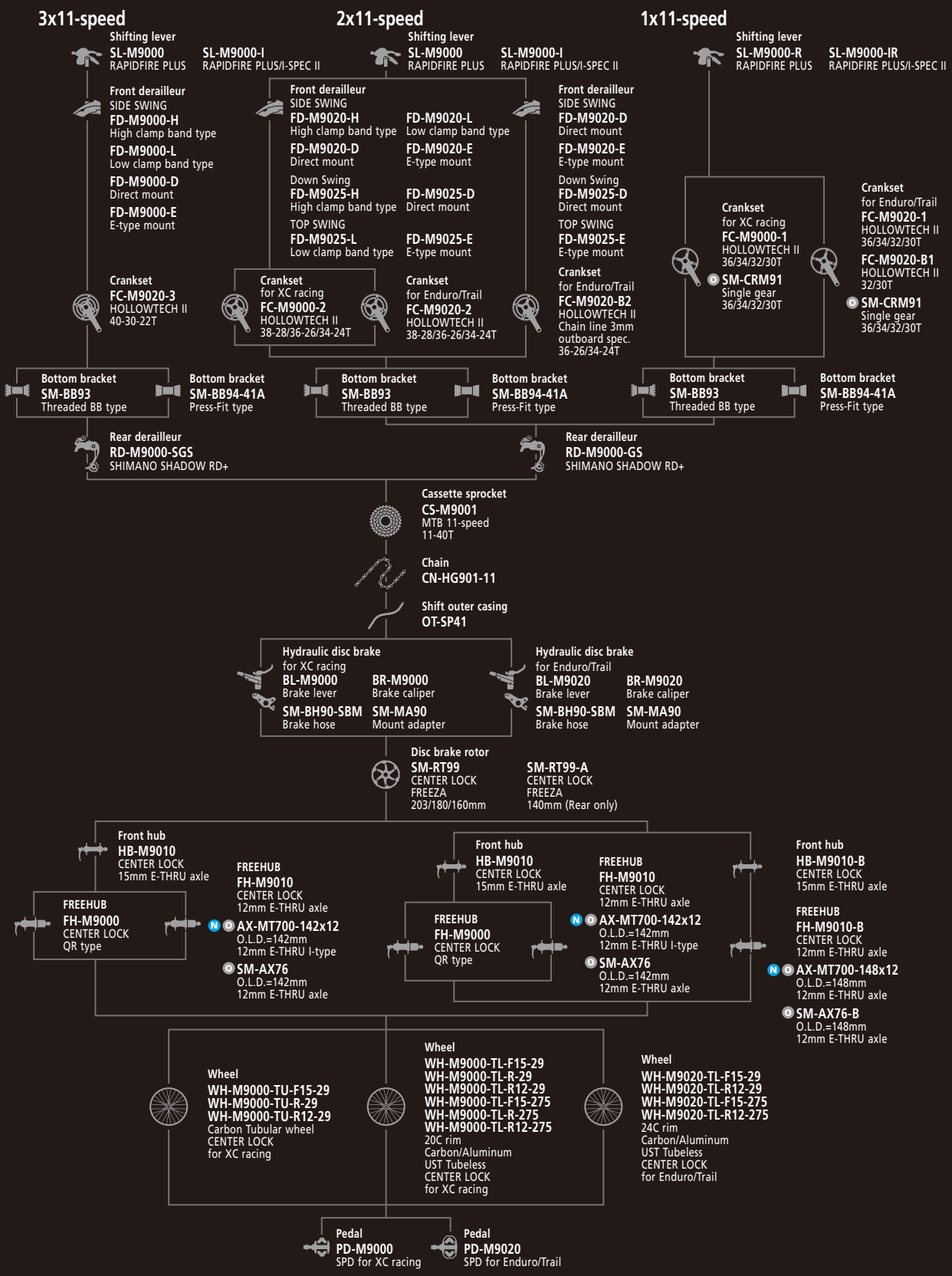
XTR M9000 series, the most advanced XTR mountain bike components and wheels to date. With this high-end XTR line available in both race and trail "Rider-Tuned" product families, SHIMANO leverages its engineering leadership producing the industry's highest performing mountain bike component group.
Inspired by the versatility and capability of today's riders and the terrain they tackle, XTR offers refined and tested solutions engineered for the way they ride.



❖ MAJOR BENEFITS

- "Rhythm and range" define the 11-speed drivetrain
- Rider-Tuned XTR Race and Trail brakes
- SIDE SWING front derailleur design that increases shift performance
- 3/2/1x11-speed options

❖ 3/2/1x11-speed



❖ Electronic Specification 3/2/1x11-speed

See page 22

N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SL-M9000

DYNA-SYS II



SL-M9000



SL-M9000-I

DYNA-SYS II

I-spec II



SL-M9000-I

I-spec II

SL-M9000

RAPIDFIRE PLUS Shift Lever (3/2/1x11-speed)

SL-M9000-I

RAPIDFIRE PLUS Shift Lever (I-SPEC II) (3/2/1x11-speed)

- **Light efficient shifting**
  - » Improved vivid index mechanism
  - » 20% less shift effort vs. M985
  - » Crisp index for consistent shifting feeling
  - » CFRP main lever
  - » Dual-textured anti-slip release lever
- **MULTI, INSTANT & 2-WAY RELEASE**
  - » More ergonomic release lever for versatile operation
- **Polymer-coated inner cable**
- **Ball bearing lever construction for light shifting operation**
- **Weight: 200g (SL-M9000, Pair)**
  205g (SL-M9000-I, Pair)



FD-M9000-D

DYNA-SYS II



FD-M9020-E

DYNA-SYS II

FD-M9000-H/L/D/E

SIDE SWING Front Derailleur (3x11-speed)

FD-M9020-H/L/D/E

SIDE SWING Front Derailleur (2x11-speed)

- **SIDE SWING design**
  - » More tire clearance for large wheels
  - » Efficient cable routing for light shifting operation
- **Powerful shifting (+50% vs. FD-M985) (FD-M9020)**
- **Increased traction range for long travel bike without chain rub (FD-M9020)**
- **Compatible with traditional mounting options**
  - » High clamp, Low clamp, D-type, E-type (without bottom bracket plate)
- **Weight: 130g (FD-M9000-H), 112g (FD-M9000-L)**
  117g (FD-M9000-D), 105g (FD-M9000-E)
  129g (FD-M9020-H), 111g (FD-M9020-L)
  116g (FD-M9020-D), 102g (FD-M9020-E)



FD-M9025-H

DYNA-SYS II



FD-M9025-L

DYNA-SYS II

FD-M9025-H/D

Down Swing Front Derailleur (2x11-speed)

FD-M9025-L/E

TOP SWING Front Derailleur (2x11-speed)

- **Increased traction range for long travel bike without chain rub**
- **Compatible with traditional mounting options**
  - » High clamp, D-type (Dual-pull)
  - » Low clamp, E-type (without plate)(Down-pull only)
- **Weight: 144g (FD-M9025-H)**
  135g (FD-M9025-D)
  133g (FD-M9025-L)
  124g (FD-M9025-E)



FC-M9000-2

DYNA-SYS II

FC-M9000

HOLLOWTECH II Crankset (2/1x11-speed)

- **XC Race Specific HOLLOWTECH II crank arm**
  - » Hollow cavity with hollow bonded construction (Left crank arm)
  - » Interchangeable with all of XTR chainrings
- **Various gear combination**
  - » 2x11: 34-24T, 36-26T, 38-28T
  - » 1x11: 30T, 32T, 34T, 36T
- **Narrow Q-factor (158mm)**
  - » High Pedaling efficiency
  - » Race specific
- **HOLLOWGLIDE (38T, 36T)**
  - » Hollow gear construction optimized rigidity, lightweight and durability
- **Durable teeth**
  - » Titanium: double (top)
  - » Stainless steel: single
- **Weight: 602.2g (34-24T, w/o BB)**
  577.1g (30T, w/o BB)



FC-M9000-1/
SM-CRM91

FC-M9020

HOLLOWTECH II Crankset (3/2/1x11-speed)

- **Trail Ride Specific HOLLOWTECH II crank arm**
  - » Cold Forged aluminum for strength and durability
  - » Interchangeable with all of XTR chainrings
- **Various gear combination**
  - » 3x11: 40-30-22T
  - » 2x11: 34-24T, 36-26T, 38-28T
  - » 1x11: 30T, 32T, 34T, 36T
- **Standard Q-factor (168mm)**
- **HOLLOWGLIDE (40T, 38T, 36T)**
  - » Hollow gear construction optimized rigidity, lightweight and durability
- **Durable teeth**
  - » Titanium: triple (middle), double (top)
  - » Stainless steel: single
- **Weight: 655.6g (40-30-22T, w/o BB)**
  629g (34-24T, w/o BB)
  603.9g (30T, w/o BB)



FC-M9020-3

FC-M9020-B1

Chain Line 3mm Outboard (1x11-speed)

- **Compatible with 148mm O.L.D. frame**
- **Gear combination: 30T, 32T, 34T, 36T**

FC-M9020-B2

Chain Line 3mm Outboard (2x11-speed)

- **More maneuverability and aggressive riding realized**
  - » Bigger tire for better traction
  - » Improvement of bike design of bigger wheel bike in rigidity and agility (shorter chain stay)
    - More clearance between chainring and frame
- **Chain line: 53.4mm**
- **Q-factor: 174mm**
- **Crank arm length: 170, 175mm**
- **Gear combination: 34-24T, 36-26T**
- **Weight: 663.7g (36-26T, w/o BB)**
  644.1g (34-24T, w/o BB)



SM-BB93



SM-BB94-41A

SM-BB93

Bottom Bracket

SM-BB94-41A

Press-Fit Type

- **Lightweight to offset weight disadvantage of drivetrain**
  - » -19.3g (SM-BB93 vs. SM-BB90A)
  - » -18.5g (SM-BB94-41A vs. SM-BB91-41A)
- **Smoother rotation**
- **Better sealing performance**
- **Durable enough for mountain bike usage**
- **Fits various frame designs**
- **SM-BB93 for threaded bottom bracket**
- **SM-BB94-41A for press-fit bottom bracket**
- **Weight: 73g (SM-BB93)**
  58g (SM-BB94-41A)



RD-M9000-GS

RD-M9000-GS/SGS

SHIMANO SHADOW RD+ (11-speed)

- **SHADOW design with optimized slant angle**
  - » Light shift effort
  - » Compatibility 3/2/1x11-speed
  - » Low profile
- **Chain stabilizer with easy adjust**
  - » Recover and tune chain stabilizer force for either maximum stability or for lower shifting effort
- **Efficient pulley teeth design for better shifting and smoother driving**
- **CFRP plate for lightweight**
- **Weight: 227g (GS)**
  224g (SGS)



CS-M9001

CS-M9001

HG Cassette Sprocket (For 3/2/1x11-speed)

- **Wide range 11-speed cassette**
- **HG-X11 specific tooth profile**
- **Rhythm step gear progression**
  - » 11-13-15-17-19-21-24-27-31-35-40
- **Lightweight and durable cogs**
- **Weight: 331g**




SM-CN900-11

CN-HG901-11
Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **HG-X11 special asymmetric plate design for 11-speed**
  - » Rear Drive
    Smooth driving without noise
  - » Front Drive
    Preserve chain security at cross chain line
  - » Front & Rear Shift
    Smooth and reliable shifting
- **SIL-TEC on Plate/Roller**
- **Hollow pin**
- **Weight: 247g (114Link)**

SM-CN900-11
QUICK-LINK

- **Easy connect**
  - » Tool-free assembly (possible)
  - » Non-reusable
- **Compatible with current 11-speed chains**
- **Quick assembly tool**
  - » TL-CN10


BL-M9000
I-spec II


BL-M9000
I-spec II


BR-M9000
ICE TECHNOLOGIES
ONE WAY BLEEDING

BL-M9000
Hydraulic Disc Brake Lever for XC Race

BR-M9000
Hydraulic Disc Caliper for XC Race

- **Race related power ratio (same as M987)**
- **Lightweight construction**
  - » Magnesium caliper and master cylinder
  - » CFRP lever blade
  - » Titanium mounting bolts
  - » Aluminum backed pad
- **Improved modulation and control**
  - » Balanced rigidity of BR/BH/BL
- **Various levels of heat control**
  - » Ceramic piston & insulated pad coating and ICE TECHNOLOGY FREEZA rotor for more heat resistance (vs. M987)
- **I-SPEC II**
  - » Narrow band increases available handle bar space
- **Weight: 316g (Kit for front)**


BL-M9020
SERVO WAVE Action
I-spec II


BL-M9020
SERVO WAVE Action
I-spec II


BR-M9020
ICE TECHNOLOGIES
ONE WAY BLEEDING

BL-M9020
Hydraulic Disc Brake Lever for Enduro/Trail

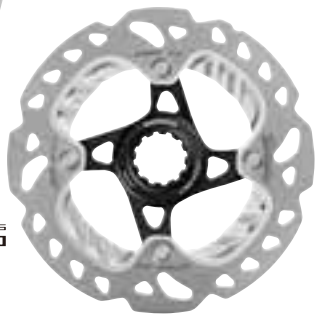
BR-M9020
Hydraulic Disc Caliper for Enduro/Trail

- **Enduro/Trail related power ratio**
  - » SERVO WAVE with smooth cam
- **Improved modulation and response**
  - » High rigidity aluminum caliper
  - » Short brake lever with ergonomic pivot
  - » CFRP/alloy structure
- **Advanced heat control for stable performance in extreme conditions**
  - » ICE TECHNOLOGIES radiator pads
  - » Insulated pad coating
  - » Ceramic piston
- **I-SPEC II**
- **Weight: 360g (Kit for front)**


SM-RT99
ICE TECHNOLOGIES FREEZA
CENTER LOCK

SM-RT99
CENTER LOCK Disc Rotor

- **Clad rotor blade Stainless steel/Aluminum/Stainless steel 3-layer clad rotor with radiator fin structure achieves heat management more efficiently**
- **40 degree C reduction in heat vs. SM-RT98**
- **2 pieces structure for rigidity and lightweight (Aluminum adapter and rotor)**
- **Size: 203/180/160 mm**
- **Weight: 118.1g (160mm)**


SM-RT99-A
ICE TECHNOLOGIES FREEZA
CENTER LOCK

SM-RT99-A
CENTER LOCK Disc Rotor

- **Size: 140mm**
- **Weight: 95g**



HB-M9010



HB-M9010-B



FH-M9010



FH-M9000

HB-M9010
Front Hub for Disc Brake (15mm E-THRU Axle)

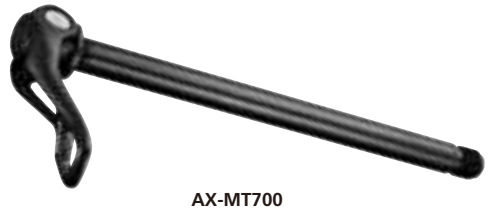
HB-M9010-B
Front Hub for Disc Brake (15mm E-THRU Axle, 110mm O.L.D.)

FH-M9010
Rear FREEHUB for Disc Brake (12mm E-THRU Axle)

FH-M9010-B
Rear FREEHUB for Disc Brake (12mm E-THRU Axle, 148mm O.L.D.)

FH-M9000
Rear FREEHUB for Disc Brake

- **HB-M9010 15mm E-THRU type**
  - » High durability Cup & Cone Bearing
- **FH-M9000 quick release type**
- **FH-M9010 12mm E-THRU type**
- **Lightweight bearing and axle system**
  - » 33g lighter aluminum axle (FH-M9010)
  - » MTB 11/10-speed compatible FREEHUB body
- **CENTER LOCK**
- **Weight: 136g (HB-M9010)**
  155g (HB-M9010-B)
  268g (FH-M9010)
  277g (FH-M9010-B)
  271g (FH-M9000)



AX-MT700

NEW

AX-MT700
12 mm Rear E-THRU axle I-type for 142 mm/148 mm O.L.D

- **Clean and simple design**
  - » Approx -10 mm smaller housing (vs. SM-AX78/58)
  - » Easy lever-position adjust with hexagon wrench
    - Adjusting nut integrated into axle
- **Easy and stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Smaller housing
  - » Hollow aluminum axle
- **Same frame requirement as SM-AX78/58**

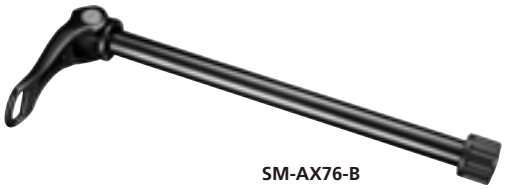


SM-AX78

SM-AX78
12mm Rear Thru-axle for 142mm O.L.D.

SM-AX78-B
12mm Rear Thru-axle for 148mm O.L.D.

- **Simple & clean appearance**
  - » Easy lever position adjust without right nut
    - Integration of adjusting nut into lever housing on left
- **Easy & stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Hollow aluminum axle

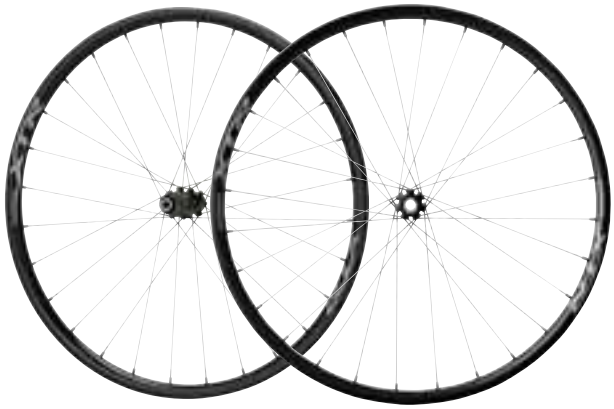


SM-AX76-B

SM-AX76
12mm Rear Thru-axle for 142mm O.L.D.

SM-AX76-B
Rear E-THRU axle for Chain Line 3mm Outboard

- **Better wheel rigidity**
  - » Longer axle
    - 6mm longer 148x12 rear E-THRU axle
  - » Weight saving design
    - Hollow axle
  - » Compatible with current dropout parts
    - Same requirement of frame & fork dropout dimensions as current E-THRU hubs
- **Weight: 69g (SM-AX76)**
  71g (SM-AX76-B)

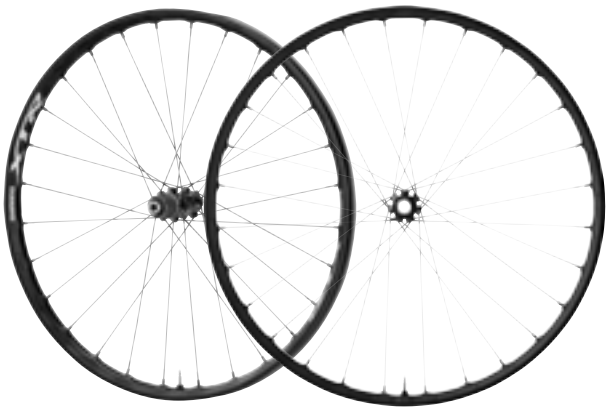


WH-M9000-TU-R12 WH-M9000-TU-F15

CARBON TUBULAR | 29″

WH-M9000

Ultra-light racing tubular wheels engineered for speed



WH-M9000-TL-R12 WH-M9000-TL-F15

CARBON LAMINATED TUBELESS | 29″ | 27.5″

WH-M9000

XC wheels engineered for speed and toughness

- **150 g lighter weight rim for maximum acceleration compared to carbon laminated tubeless rim vs.M9000-TL-29 (WH-M9000-TU-29)**
- **Front 28, Rear 28 butted spokes**
- **Super lightweight rim, with same durability as aluminum (WH-M9000-TL)**
- **Lightweight bearing and axle system**
  » 33 g lighter aluminum rear 12 mm axle (vs. M988)

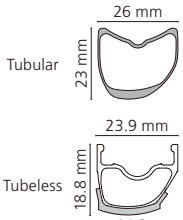
WH-M9000-TL

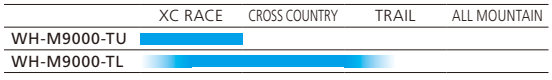


Lock Ring
WH-M9000



Quick Release
WH-M9000-R-29





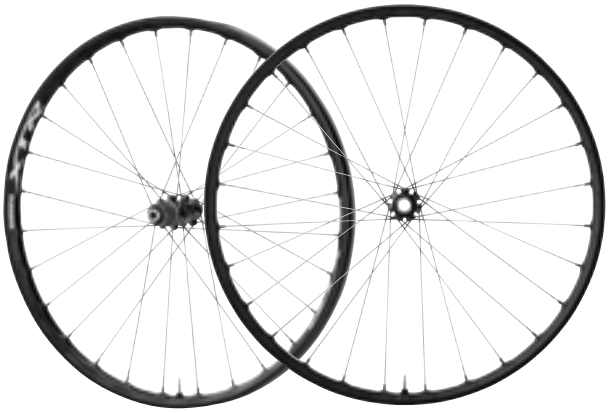
MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9000-TU-F15-29	Tubular	Front	15 mm E-THRU	29″	Carbon	-	100 mm	606 g
WH-M9000-TU-R12-29	Tubular	Rear	12 mm E-THRU	29″	Carbon	MTB 11-speed	142 mm	739 g
WH-M9000-TU-R-29	Tubular	Rear	Quick Release	29″	Carbon	MTB 11-speed	135 mm	742 g
WH-M9000-TL-F15-29	Tubeless	Front	15 mm E-THRU	29″	Carbon/Aluminum	-	100 mm	761 g
WH-M9000-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29″	Carbon/Aluminum	MTB 11-speed	142 mm	894 g
WH-M9000-TL-R-29	Tubeless	Rear	Quick Release	29″	Carbon/Aluminum	MTB 11-speed	135 mm	894 g
WH-M9000-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5″	Carbon/Aluminum	-	100 mm	724 g
WH-M9000-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5″	Carbon/Aluminum	MTB 11-speed	142 mm	857 g
WH-M9000-TL-R-275	Tubeless	Rear	Quick Release	27.5″	Carbon/Aluminum	MTB 11-speed	135 mm	857 g

CARBON LAMINATED TUBELESS | 29" | 27.5"

WH-M9020

Trail wheels engineered for aggressive riding

- **Carbon laminated aluminum tubeless**
  - » Super lightweight rim, with same durability as aluminum
  - » Front 28, Rear 28 butted spokes
- **Lightweight bearing and axle system**
  - » 33 g lighter aluminum rear 12 mm axle (vs. M988)



WH-M9020-TL-R12 WH-M9020-TL-F15

	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M9020-TL				



Lock Ring
WH-M9020



Carbon

MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9020-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Carbon/Aluminum	-	100 mm	777 g
WH-M9020-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Carbon/Aluminum	MTB 11-speed	142 mm	910 g
WH-M9020-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Carbon/Aluminum	-	100 mm	750 g
WH-M9020-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Carbon/Aluminum	MTB 11-speed	142 mm	880 g



PD-M9000

310g

PD-M9000

ULTIMATE POWER TRANSFER MATCHED WITH LEGENDARY INGENUITY AND RELIABILITY

- **Wide pedal-to-shoe contact area**
- **Wider bearing placement for increased rigidity**
- **Slimmer, lighter axle**
- **Low platform height for pedaling stability**
- **Oval shape axle body housing for smoother mud & debris flow**
- **Slimmer axle unit increases open space between bindings**
- **Robust retention claws provide smooth engagement and release**
- **Customize the entry and release tension settings**



PD-M9020

379g

PD-M9020

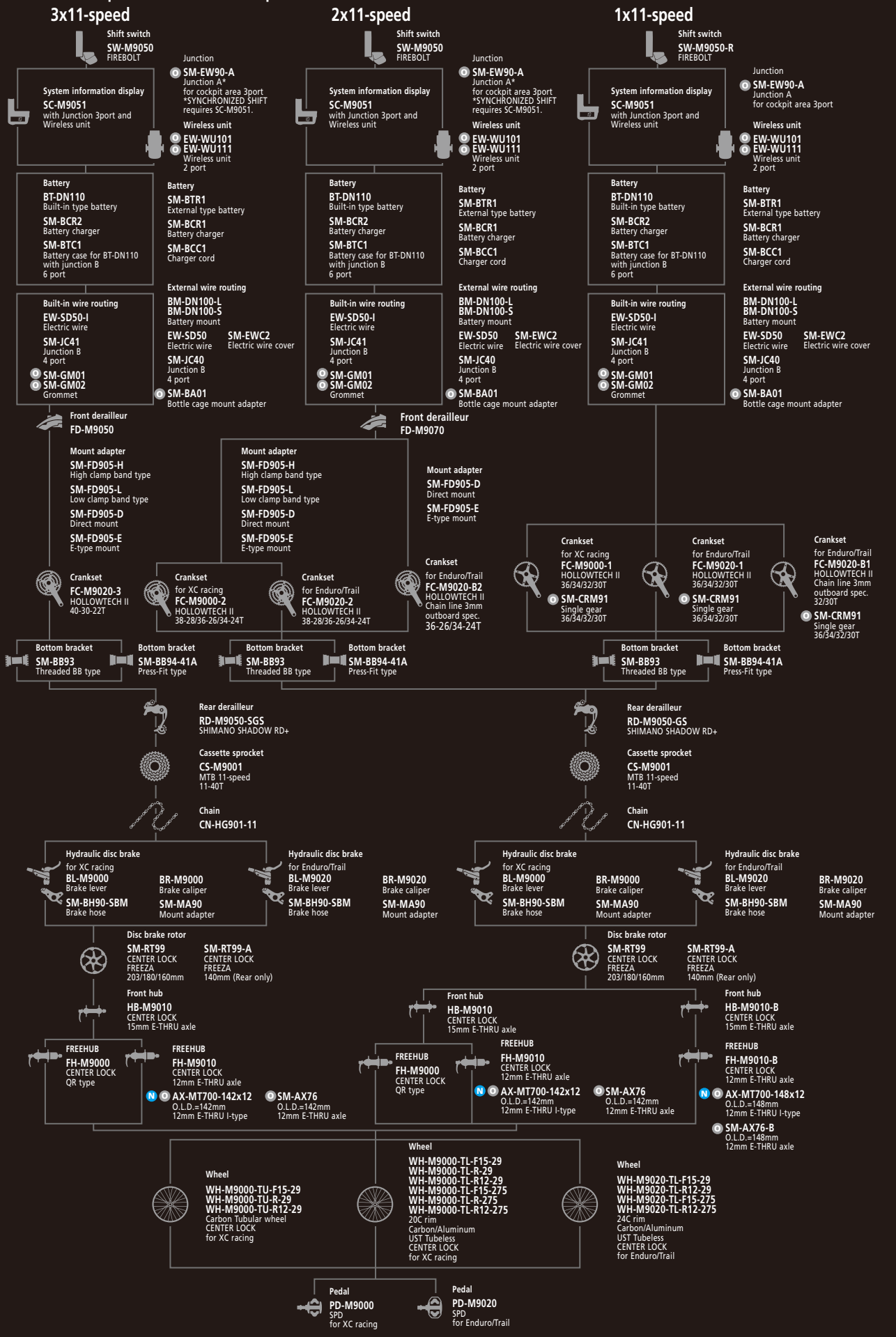
INSPIRED TO TACKLE SINGLE TRACK AND TECHNICAL DESCENTS WITH CONTROL AND CONFIDENCE

- **Extremely wide pedal-to-shoe contact area**
- **Wider bearing placement for increased rigidity**
- **Increases stability and control when not clipped in**
- **Protects binding mechanism against impacts**
- **Oval shape axle body housing for smoother mud & debris flow**
- **Slimmer axle unit increases open space between bindings**
- **Robust retention claws provide smooth engagement and release**
- **Customize the entry and release tension settings**

SHIMANO XTR M9050 Series

DI2 DIGITAL INTEGRATED INTELLIGENCE

❖ Electronic Specification 3/2/1x11-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

The world's first production electronic mountain bike shifting system.
An electronic shifting option for SHIMANO's 11-speed XTR M9000 mechanical mountain bike components, XTR DI2 specification redefines how mountain bikers can control and personalize the way they ride through the proven DI2 digital platform.

❖ MAJOR BENEFITS

- SHIMANO SYNCHRONIZED SHIFT
- Seamless control and instant response FIREBOLT shifter
- Unrivaled rear shift performance and stability
- Powerful, DI2-optimized front shifting
- System status at a glance by System Information Display



SW-M9050-L

SW-M9050

FIREBOLT Shifter

- **Ergonomic rotary switch matches natural hand movement**
  » Independent lever position adjustment
- **Short stroke perfect click lever**
  » Faster and more accurate shifting
- **Programmable multi-shift function and SHIMANO synchronized shift**
- **Weight: 128g (Pair)**



SW-M9050-R

FD-M9050

Down Swing Front Derailleur (3x11-speed)

FD-M9070

Down Swing Front Derailleur (2x11-speed)

- **More powerful shifting than mechanical**
  » +25% increased power vs. M9000
  » Reliable gear changes under load
- **Computer controlled auto trim**
  » Optimized Di2 cage profile and gear tracking
- **SHIMANO Synchronized Shift**
  » System communication with rear derailleur
- **Advantage in all conditions**
- **Modular mounting structure**
- **Weight: 133g (FD-M9050)**
  115g (FD-M9070)



FD-M9070

SM-FD905-H

Mount Adapter for Front Derailleur High Clamp Type

SM-FD905-L

Mount Adapter for Front Derailleur Low Clamp Type

SM-FD905-D

Mount Adapter for Front Derailleur D-type

SM-FD905-E

Mount Adapter for Front Derailleur E-type

- **Weight: 33g (SM-FD905-H)**
  38.5g (SM-FD905-L)
  13.8g (SM-FD905-D)
  27.1g (SM-FD905-E)



RD-M9050-GS

RD-M9050-GS/SGS

SHIMANO SHADOW RD+ (11-speed)

- **Shifting motor responds instantly to rider input**
- **Seamless gear changes**
  » Accurate chain position in every gear
  » Consistent shifting in every gear combination
- **SHIMANO synchronized shift**
  » System communication with front derailleur
- **Advantage in all conditions**
  » Electric wire transmission guarantees stable performance
- **Chain stabilizer with easy adjust**
- **Efficient pulley teeth design**
- **CFRP plate**
- **Weight: 289g (GS)**
  292g (SGS)



SC-M9051

E-TUBE D-FLY Bluetooth



EW-WU111

E-TUBE D-FLY Bluetooth



EW-WU101

E-TUBE D-FLY Bluetooth



SM-EW90-A

E-TUBE



BT-DN110

E-TUBE



SM-BCR2

E-TUBE



SM-BTC1

E-TUBE



SM-PCE1

SC-M9051
System Information Display

- **Identify system status at a glance**
  - » Battery level/Gear position/Shift mode (synchronized or manual)/SUS position (Climb/Trail/Descend)
- **SHIMANO SYNCHRONIZED SHIFT mode switch**
  - » 3 modes available (S1/S2/Manual)
  - » Audible SHIMANO SYNCHRONIZED SHIFT notification tone
  - » *SC-M9051 is required for SYNCHRONIZED SHIFT
- **Precision derailleur adjustment**
  - » Easy access adjustment mode
  - » Numerical adjustment indicator
- **Junction A function**
  - » Battery charging port
  - » 3 E-TUBE ports
- **wireless communication**
  - » E-TUBE setting with smart phone/tablet
- **Weight: 30g**

EW-WU111
Wireless Unit (2 port)

- **Wireless communication**
  - » E-TUBE setting with smart phone/tablet

EW-WU101
Wireless Unit

- **Wireless communication**
  - » E-TUBE setting with smart phone/tablet
    - 2 E-TUBE ports

SM-EW90-A/B
Junction for Around Cockpit Area

- **Junction-A for cockpit area**
- **3 (A) and 5 (B) port**
- **Weight: 10g (SM-EW90-A), 13g (SM-EW90-B)**

BT-DN110
Built-in Type Battery

- **Compatible charger: SM-BCR2**
- **Weight: 50g**

SM-BCR2
Battery Charger/PC Linkage Device

- **Battery charger for BT-DN110**
- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**

SM-PCE1
PC Linkage Device

- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**
- **Problem diagnosis function**

SM-BTC1
Battery Case

- **External battery mount for cylindrical (internal) battery (BT-DN110)**
- **Low profile design easily mounts to any type of frame with bottle cage mounts**
- **Junction B function**
  - » 6 E-TUBE ports with cable organizer



SM-BTR1

SM-BTR1
Battery

- External/Built-in type battery
- Weight: 70g



BM-DN100-L

BM-DN100-L
Battery Mount

- Long size battery mount
- For external wire routing



BM-DN100-S

BM-DN100-S
Battery Mount

- Short size battery mount
- For external/internal wire routing



SM-BCR1

SM-BCR1
Battery Charger

- Battery charger for SM-BTR1
- Charger cord SM-BCC1 is required

SM-BCC1
Charger Cord



SM-BA01

SM-BA01
Bottle Cage Mount Adapter



EW-SD50

cable tie

EW-SD50
Electric Wire

- Transmits interactive signals and power supply to each electronic components by “plug & gap” connection
- Compact and waterproof connector
- Easy to insert into frame
- Cable length 150 mm - 1600 mm
- With cable tie type for built-in cable routing (EW-SD50-I)



SM-GM01



SM-GM02

SM-GM01
Grommet

- Hole dimension on frame: 6 mm circle

SM-GM02
Grommet

- Hole dimension on frame: 7 mm x 8 mm circle



SM-EWC2

SM-EWC2
Electric Wire Cover

- Color options: Black, White



SM-EWC2



SM-JC40

SM-JC40
Junction B (4 Port)

- For external wire routing



SM-JC41

SM-JC41
Junction B (4 Port)

- For internal wire routing

SHIMANO DEORE XT

COMPONENTS OF ADVENTURE

The new XT components set a whole new standard for MTB excellence
POWERFUL: Efficient power transfer and highly responsive braking
DYNAMIC: Rider-Tuned 11-speed gear combinations for superior performance
RESOLUTE: Toughness and reliability on the hardest trails



❖ MAJOR BENEFITS

Ride anywhere, DYNA-SYS11, Rider-Tuned advanced
- Enhance target segment from XC to more aggressive enduro/all mountain
- Friendly design for full-suspension and big wheels

Highly efficient
- Improved driving and shifting efficiency

Seriously stable
- Improved chain retention and more stable shifting of rear system
- Powerful and stable shifting of front system

Enduring performance

❖ 3/2/1x11-speed



❖ Electronic Specification 2/1x11-speed

See page 34

N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html





SL-M8000

DYNA-SYS II

SL-M8000-I

I-spec II



SL-M8000-B-I

I-spec

SL-M8000
RAPIDFIRE PLUS Shift Lever (3/2/1x11-speed)

SL-M8000-I
RAPIDFIRE PLUS Shift Lever (I-SPEC II) (3/2/1x11-speed)

SL-M8000-B-I
RAPIDFIRE PLUS Shift Lever (I-SPEC) (3/2/1x11-speed)

- **Ergonomically designed for prolonged enjoyment**
  - » 20% lighter rear shifts
    - OPTISLICK
    - Longer lever body
  - » Consistently stable shifting
    - Anti-slip on main lever - Thumb Operation
    - Wider operating surface of release lever - Thumb Operation
    - Improved vivid index mechanism (vs.M780)
- **Simple, adaptable cockpit**
  - » I-SPEC II (SL-M8000-I)
    - Easy to install, compact design and slim brake lever for lightweight
    - Rotation adjust for better ergonomics
  - » I-SPEC B-type option (SL-M8000-B-I)
- **Weight: 244g (SL-M8000, Pair)**
  230g (SL-M8000-I, Pair)
  224g (SL-M8000-B-I, Pair)



FD-M8020-D

DYNA-SYS II



FD-M8020-L

DYNA-SYS II

FD-M8000-H/L/D/E
SIDE SWING Front Derailleur (3x11-speed)

FD-M8020-H/L/D/E
SIDE SWING Front Derailleur (2x11-speed)

- **Enhanced stability, maneuverability and shifting efficiency**
  - » Wider clearance for large wheels
    - New SIDE SWING design for large wheel bikes
  - » Compatible with shorter chain stays
  - » Efficient cable routing for light shift operation
  - » 50% more shifting power(outward) (vs. FD-M780, FD-M8020 only)
    - Sophisticated chain guide for 2x11-speed front chainwheel new spike construction gears
  - » Increased traction range for long-travel and active rear suspension (FD-M8020 only)
  - » Versatile specification compatible with traditional mounting options
    - High clamp/Low clamp/D-type/E-type (without BB plate)
- **Total capacity: 18T (FD-M8000)**
  10T (FD-M8020)
- **Weight: 151g (FD-M8000-H), 135g (FD-M8000-L)**
  136g (FD-M8000-D), 121g (FD-M8000-E)
  145g (FD-M8020-H), 129g (FD-M8020-L)
  134g (FD-M8020-D), 119g (FD-M8020-E)



FD-M8025-H

DYNA-SYS II



FD-M8025-L

FD-M8025-H/L/D/E
Conventional Front Derailleur (2x11-speed)

- **Wide compatibility and improved driving stability**
  - » Increased traction range for long-travel and active rear suspension (FD-M8025 only)
  - » Down swing and TOP SWING
- **Total capacity: 10T**
- **Weight: 149g (FD-M8025-H), 131g (FD-M8025-L)**
  139g (FD-M8025-D), 124g (FD-M8025-E)



FC-M8000
DYNA-SYS II



BB-MT800



FC-M8000
DYNA-SYS II
Dynamic Chain Engagement



BB-MT800-PA

FC-M8000
HOLLOWTECH II Crankset (3/2/1x11-speed)

BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket

- **Ride anywhere 11-speed rider tuned gearing**
- **The power to choose how and where you ride**
  - » Various choices for bike and riding style
- **Consistent shifting performance and enhanced chain management**
  - » More durable chainwheel teeth
    - Composite chain ring construction:
      Steel teeth/Steel+CFRP body (1x11, 3x11 Middle)
      Aluminum plated teeth/Aluminum+CFRP body (2x11 Top)
- **Optimal balance of durability and lightweight**
  - » New 3D composite chain ring's teeth composition is optimized for each chainwheel load out with steel driving gear teeth and aluminum support gears
    - Aluminum teeth/Aluminum+CFRP (3x11 Top)
      Steel teeth/CFRP (3x11 Middle)
      Aluminum plated teeth/Aluminum+CFRP (2x11 Top)
      Stainless steel/CFRP (1x11)
- **High efficient and precise shifting**
  - » Improved driving rigidity
    - 70 degree spider arm with HOLLOWTECH II technology and Dynamic Chain Engagement (1x11-speed)
  - » Close ratio gear combination for minimum shifting gap and maintaining rhythm
    - Single spike structure for robust shifting
  - » Enhanced chain retention
    - Dynamic Chain Engagement (1x11-speed)
  - » Better sealing and better rotation
    - Small ball Bottom Bracket
- **Gear combination: FC-M8000-3: 40-30-22T**
  FC-M8000-2: 38-28T, 36-26T, 34-24T
  FC-M8000-1: 30T, 32T, 34T
  Chain line 3mm outboard spec available
- **Weight: 773.9g (40-30-22T, w/o BB)**
  695.5g (34-24T, w/o BB)
  680g (30T, w/o BB)



FC-M8000-B1
DYNA-SYS II
Dynamic Chain Engagement



FC-M8000-B2/
SM-CRM81
DYNA-SYS II

FC-M8000-B1
Chain Line 3mm Outboard (1x11-speed)

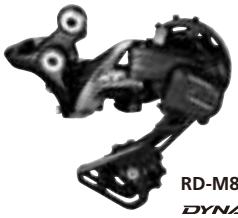
- **Compatible with 148mm O.L.D. frame**
- **Crank arm length: 170, 175mm (30T, 32T)**
  180mm (32T)
- **Gear combination: 30T (new), 32T**
- **Weight: 698g (36T w/o BB)**

FC-M8000-B2
Chain Line 3mm Outboard (2x11-speed)

- **Compatible with 148mm O.L.D. frame**
- **Crank arm length: 170, 175mm (34-24T, 36-26T)**
  180mm (36-26T)
- **Gear combination: 34-24T (new), 36-26T**
- **Weight: 721.6g (36-26T w/o BB)**



RD-M8000-SGS
DYNA-SYS II
SHIMANO SHADOW RD+



RD-M8000-GS
DYNA-SYS II
SHIMANO SHADOW RD+

RD-M8000-SGS/GS
SHIMANO SHADOW RD+ (3/2/1x11-speed)

- **Rider tuned for sharp and silky shifts**
  - » Light shift operation with 20% less effort
    - SHADOW design with optimized slant angle
    - OPTISLICK new shift cable with new hyper low-friction coating technology
  - » Chain stability improved
    - New SHADOW design with optimized slant angle for stable gear position
    - Easy-to-adjust chain stabilizer
  - » Efficient shifting and smoother driving
    - Efficient pulley teeth design
- **Total capacity: 47T (SGS), 39T (GS)**
- **Weight: 275g (SGS)**
  271g (GS)



CS-M8000
DYNA-SYS11

CS-M8000
HG Cassette Sprocket (11-speed)

- **Ride anywhere with smooth and precise gear changes**
  - » Optimized gear combination and gear ratio
    - Wide cassette sprocket
    - Rhythm step gear progression
- **Improved driving efficiency and stable shifting**
- **Shave bike weight off without sacrificing durability or reliability**
  - » Optimal balance of lightweight and durability
    - Combination of aluminum and steel gears
- **Gear combination: 11-40T (for 3/2/1x11-speed)**
  11-42T (for 2/1x11-speed)
  11-46T (for 1x11-speed) (NEW)
- **Weight: 411g (11-40T)**
  447g (11-42T)
  437g (11-46T)



CN-HG701-11
DYNA-SYS11 HG-X11
SIL-TEC

CN-HG701-11
Super Narrow HG-X11 Chain (11-speed)

- **Smooth and reliable shifting performance**
  - » Directional 11-speed chain
  - » More efficient and silent, less maintenance
    - SIL-TEC surface treatment
  - » MTB, Road, E-BIKE 11-speed compatible
  - » Reinforced chain for E-BIKE use
    - New chain plate dimension
- **Weight: 257g (114Links)**



BL-M8000
I-spec II



BR-M8000
ICE TECHNOLOGIES
ONE WAY BLEEDING

BL-M8000
Hydraulic Disc Brake Lever

BR-M8000
Hydraulic Disc Caliper

- **Consistent, predictable and powerful**
  - » More stable brake performance in various conditions
  - » High power and controllable braking for all MTB riding styles
  - » Easy maintenance
- **Rider Tuned brake system**
  - » Resin/Metal/Fin Resin/Fin Metal
  - » Easy adjustment
- **Integrated design**
  - » Sleek, durable and clean master cylinder design with I-SPEC II
- **Lighter weight**
- **Weight: 399.9g (Kit for front)**



SM-RT81
ICE TECHNOLOGIES
CENTER LOCK

SM-RT81
CENTER LOCK Disc Rotor

- **Crisp, consistent braking anytime you need to slow down thanks to the frigid power of ICE TECHNOLOGY**
  - » Better heat radiation
    - Stainless steel/Aluminum/Stainless steel 3-layer sandwich structure
- **Size: 140mm(new), 160mm, 180mm, 203mm**



HB-M8000



HB-M8010



FH-M8000



FH-M8010



SM-AX78



AX-MT700

HB-M8000
Front Hub for Disc Brake

HB-M8010
Front Hub for Disc Brake (15mm E-THRU Axle)

- **All-weather durability, reliable performance and lighter weight**
  - » Weight saving design
    - -22g lighter construction
    - High quality sealing and angular contact bearings
- **Weight: 164g (HB-M8000)**
  148g (HB-M8010)

HB-M8010-B
Front Hub for Disc Brake (15mm E-THRU Axle, 110mm O.L.D.)

- **Better wheel rigidity**
  - » Wider flange
    - 10mm wider 110x15 front E-THRU hub
- **All-weather durability, reliable performance and lighter weight**
  - High quality sealing and angular contact bearings
- **Weight: 158g**

FH-M8000
Rear FREEHUB for Disc Brake

FH-M8010
Rear FREEHUB for Disc Brake (12mm E-THRU Axle)

- **All-weather durability, reliable performance and lighter weight**
  - » Refined gear engagement and power transfer
    - High quality sealing and angular contact bearings
    - Quick engagement 36 times/360 degree (same as current)
- **Weight: 328g (FH-M8000)**
  359g (FH-M8010)

FH-M8010-B
Rear FREEHUB for Disc Brake (12mm E-THRU Axle, 148mm O.L.D.)

- **Better wheel rigidity**
  - » Wider flange
    - 6mm wider 148x12 rear E-THRU FREEHUB
- **All-weather durability, reliable performance and lighter weight**
  - » Refined gear engagement and power transfer
    - High quality sealing and angular contact bearings
    - Hybrid cone base integrated with aluminum body and steel ball race
    - Quick engagement 36 times/360 degree
- **Weight: 367g**

SM-AX78
12mm Rear Thru-axle for 142mm O.L.D.

SM-AX78-B
12mm Rear Thru-axle for 148mm O.L.D.

- **Simple & clean appearance**
  - » Easy lever position adjust without right nut
    - Integration of adjusting nut into lever housing on left
- **Easy & stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Hollow aluminum axle

NEW

AX-MT700
12 mm Rear E-THRU axle I-type for 142 mm/148 mm O.L.D

- **Clean and simple design**
  - » Approx -10 mm smaller housing (vs. SM-AX78/58)
  - » Easy lever-position adjust with hexagon wrench
    - Adjusting nut integrated into axle
- **Easy and stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Smaller housing
  - » Hollow aluminum axle
- **Same frame requirement as SM-AX78/58**

SHIMANO DEORE XT

TUBELESS | 29" | 27.5"

WH-M8000

XC wheels engineered for toughness, lightweight, reliability and all-out speed

- **Faster acceleration and smoother rotation**
- **40 g lighter weight 20C OFFSET RIM**
- **Front: QR & E-THRU**
- **Rear: QR & E-THRU**
- **High rigidity and durability**
- **28 pc butted spokes (front/rear)**
- **OFFSET RIM design with better spoke tension balance for durable wheel construction**
- **New O.L.D. for increased wheel rigidity and greater clearance between crank set and frame/tire**
  - 10 mm wider, 110 x 15 front E-THRU
  - 6 mm wider, 148 x 12 rear E-THRU



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M8000-TL				

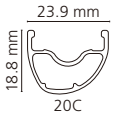


Lock Ring
WH-M8000-TL-F15



Quick Release
WH-M8000-TL-F-275/
F-29/R-275/R-29





	MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
	WH-M8000-TL-F-29	Tubeless	Front	Quick Release	29"	Aluminum	-	100 mm	839 g
	WH-M8000-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	796 g
NEW	WH-M8000-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	843 g
	WH-M8000-TL-R-29	Tubeless	Rear	Quick Release	29"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,017 g
	WH-M8000-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,041 g
NEW	WH-M8000-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,049 g
	WH-M8000-TL-F-275	Tubeless	Front	Quick Release	27.5"	Aluminum	-	100 mm	809 g
	WH-M8000-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	766 g
NEW	WH-M8000-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	814 g
	WH-M8000-TL-R-275	Tubeless	Rear	Quick Release	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	986 g
	WH-M8000-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,010 g
NEW	WH-M8000-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,020 g

TUBELESS | 29" | 27.5"

WH-M8020

Ride confidently

- **Increased tire rigidity for improved traction**
- **24C wide-profile OFFSET RIM**
- **Front: E-THRU**
- **Rear: E-THRU**
- **28 pc butted spokes (front/rear)**
- **OFFSET RIM design with better spoke tension balance for durable wheel construction**
- **New O.L.D. for increased wheel rigidity and greater clearance between crank set and frame/tire**
  - 10 mm wider, 110 x 15 front E-THRU
  - 6 mm wider, 148 x 12 rear E-THRU

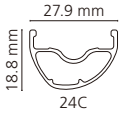


	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M8020				



Lock Ring
WH-M8000-TL-F15





	MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
	WH-M8020-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	836 g
NEW	WH-M8020-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	881 g
	WH-M8020-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,081 g
NEW	WH-M8020-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,088 g
	WH-M8020-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	802 g
NEW	WH-M8020-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	847 g
	WH-M8020-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,046 g
NEW	WH-M8020-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,053 g



PD-M8000

343g

PD-M8000

XC RACE PEDALS OPTIMIZED FOR MAXIMUM POWER EFFICIENCY

- **Large pedal platform**
- **Mud shedding offset binding design**
- **Lower platform height for pedaling stability**
- **Robust retention claws provide smooth engagement and release**
- **Customize the entry and release tension settings**
- **Strong, durable chrome-moly spindle with 8mm hex wrench mount**



PD-M8020

408g

PD-M8020

TRAIL AND ENDURO PEDALS ENGINEERED TO ENHANCE BIKE CONTROL

- **Wide pedal-to-shoe contact**
- **Lower platform height for pedaling stability**
- **Integrated cage increases stability and control when not clipped in and protects binding mechanism against impacts**
- **Robust retention claws provide smooth engagement and release**
- **Customize the entry and release tension settings**
- **Strong, durable chrome-molly spindle with 8mm hex wrench mount**



PD-M8040-ML



PD-M8040-SM

472 g(SM size)
514 g(ML size)

NEW

PD-M8040

NEW TRAIL-OPTIMIZED FLAT PEDALS WITH LEGENDARY PERFORMANCE AND DURABILITY

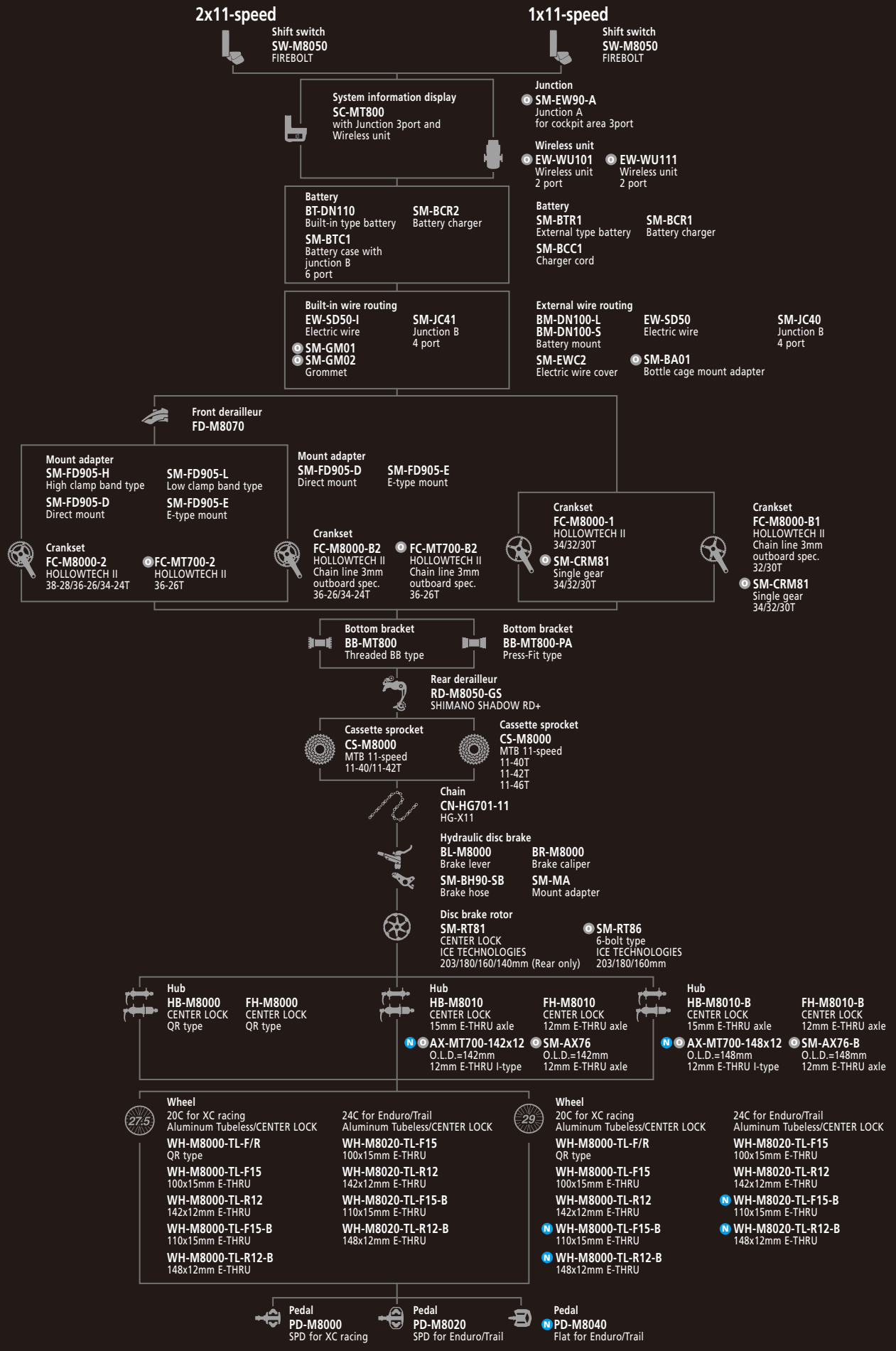
FEATURES

· Two size options (SM and ML) for optimized support and pedaling efficiency
· Concave platform for enhanced grip, long ride comfort, and efficiency
· 10 pins per side with option of long or short pins
· Strong, durable chrome-moly spindle with 8 mm hex wrench mount
· SM : 100 mm x 105 mm for 36 - 44 GR shoe/ML : 110 mm x 115 mm for 43 - 48 GR shoe

SHIMANO DEORE XT M8050 Series

Di2

❖ Electronic Specification 2/1x11-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SW-M8050-R

S-IS E-TUBE FIREBOLT



SW-M8050-L

S-IS E-TUBE FIREBOLT

SW-M8050

FIREBOLT Shifter

- **Easy operation and accurate shifting**
  - » Ergonomic rotary switch
  - » Wide comfort lever with position adjust
  - » Short stroke perfect click (Single click, auto multiple shift only)
  - » Effortless Multi-shift
- **Customization of operation**
  - » Multi-shift speed, SHIMANO synchronized shift
  - » Suspension control by left switch
- **Weight: 186g (Pair)**



FD-M8070

S-IS E-TUBE

FD-M8070

Down Swing Front Derailleur (2x11-speed)

- **Accurate and stable shifting in any condition**
  - » Instant response
- **Powerful shifting**
  - » Increased power vs. mechanical
- **Smart and efficient gear selection with SHIMANO SYNCHRONIZED SHIFT**
  - » Single lever operation
  - » Rider-programmable shift mapping
- **Chain stay angle: 66-69°**
- **Total capacity: 10T**
- **Weight: 134g**



RD-M8050-GS

S-IS E-TUBE SHIMANO SHADOW RD+

RD-M8050-GS

SHIMANO SHADOW RD+ (11-speed)

- **Accurate and stable shifting in any condition**
- **Instant response**
  - » Customized shift speed within Multi-shift
- **Powerful shifting**
  - » Seamless gear change even under high load
- **Smart and efficient gear selection with SHIMANO SYNCHRONIZED SHIFT**
  - » Single lever operation
  - » Rider-programmable shift mapping
- **Total capacity: 35T**
- **Weight: 320g**



SC-MT800

E-TUBE D-FLY Bluetooth

SC-MT800

System Information Display

- **System information display with wireless communication**
  - » E-TUBE setting with smart phone/tablet
- **Weight: 30g**



EW-WU111

E-TUBE D-FLY Bluetooth

EW-WU111
Wireless Unit (2 port)

- **Wireless communication**
  » E-TUBE setting with smart phone/tablet



EW-WU101

E-TUBE D-FLY Bluetooth

EW-WU101
Wireless Unit

- **Wireless communication**
  » E-TUBE setting with smart phone/tablet
  - 2 E-TUBE ports



SM-EW90-A

E-TUBE

SM-EW90-A/B
Junction for Around Cockpit Area

- **Junction-A for cockpit area**
- **3 (A) and 5 (B) port**
- **Weight: 10g (SM-EW90-A), 13g (SM-EW90-B)**



BT-DN110

E-TUBE

BT-DN110
Built-in Type Battery

- **Compatible charger: SM-BCR2**
- **Weight: 50g**



SM-BCR2

E-TUBE

SM-BCR2
Battery Charger/PC Linkage Device

- **Battery charger for BT-DN110**
- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**



SM-PCE1

SM-PCE1
PC Linkage Device

- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**
- **Problem diagnosis function**



SM-BTC1

E-TUBE

SM-BTC1
Battery Case

- **External battery mount for cylindrical (internal) battery (BT-DN110)**
- **Low profile design easily mounts to any type of frame with bottle cage mounts**
- **Junction B function**
  » 6 E-TUBE ports with cable organizer



SM-BTR1

SM-BTR1
Battery

- External/Built-in type battery
- Weight: 70g



BM-DN100-L

BM-DN100-L
Battery Mount

- Long size battery mount
- For external wire routing



BM-DN100-S

BM-DN100-S
Battery Mount

- Short size battery mount
- For external/internal wire routing



SM-BCR1

SM-BCR1
Battery Charger

- Battery charger for SM-BTR1
- Charger cord SM-BCC1 is required

SM-BCC1
Charger Cord



SM-BA01

SM-BA01
Bottle Cage Mount Adapter



EW-SD50

cable tie

EW-SD50
Electric Wire

- Transmits interactive signals and power supply to each electronic components by “plug & gap” connection
- Compact and waterproof connector
- Easy to insert into frame
- Cable length 150 mm - 1600 mm
- With cable tie type for built-in cable routing (EW-SD50-I)



SM-GM01



SM-GM02

SM-GM01
Grommet

- Hole dimension on frame: 6 mm circle

SM-GM02
Grommet

- Hole dimension on frame: 7 mm x 8 mm circle



SM-EWC2



SM-EWC2

SM-EWC2
Electric Wire Cover

- Color options: Black, White



SM-JC40



SM-JC41

SM-JC40
Junction B (4 Port)

- For external wire routing

SM-JC41
Junction B (4 Port)

- For internal wire routing

SLX

EXPLORE THE NEW MTB WORLD

Why don't you find the brand-new MTB fun?
Enjoy/explore the brand-new MTB world through various riding styles!
Experience/step-in/explore the new MTB world.



❖ MAJOR BENEFITS

- High performance groupset cascaded from XTR and SHIMANO DEORE XT
- Enhanced stability, maneuverability and shifting efficiency
- High power and controllable braking for all MTB riding styles

❖ 2/1x11/3x10-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SL-M7000-11

DYNA-SYS II



SL-M7000-11-I

DYNA-SYS II



SL-M7000-11-I

DYNA-SYS II



SL-M7000-11

DYNA-SYS II



SL-M7000-11-B-I

DYNA-SYS II



SL-M7000-11-B-I

DYNA-SYS II

SL-M7000-11

RAPIDFIRE PLUS Shift Lever (2/1x11-speed)

SL-M7000-11-I

RAPIDFIRE PLUS Shift Lever (I-SPEC II) (2/1x11-speed)

SL-M7000-11-B-I

RAPIDFIRE PLUS Shift Lever (I-SPEC) (2/1x11-speed)

- **Ergonomically designed for reduced shifting effort**
  - » 20% lighter rear shifts
    - Consistently stable shifting
- **Simple, adaptable cockpit**
  - » I-SPEC II (SL-M7000-11-I)
    - Easy to install, compact design and slim brake lever for lighter weight
  - » I-SPEC B-type option (SL-M7000-11-B-I)
- **Weight: 265g (SL-M7000-11)**
  235g (SL-M7000-11-I)
  247g (SL-M7000-11-B-I)



FD-M7020-11-D

DYNA-SYS II



FD-M7020-11-E

DYNA-SYS II

FD-M7020-11-H/L/D/E

SIDE SWING Front Derailleur (2x11-speed)

- **Enhanced stability, maneuverability and shifting efficiency**
  - » Wider clearance for large wheels
    - New SIDE SWING design for large wheel bikes
  - » Compatible with shorter chain stays
  - » Efficient cable routing for light shift operation
  - » 50% more shifting power (outward) (vs. FD-M780, FD-M7020 only)
    - Sophisticated chain guide for 2x11-speed front chainwheel new spike construction gears
  - » Increased traction range for long-travel and active rear suspension
  - » Versatile specification compatible with traditional mounting options
    - High clamp/Low clamp/D-type/E-type (w/o BB plate)
- **Chain stay angle: 66-69°**
- **Total capacity: 10T**
- **Weight: 147g (FD-M7020-11-H)**
  132g (FD-M7020-11-L)
  136g (FD-M7020-11-D)
  122g (FD-M7020-11-E)



FD-M7025-11-H

DYNA-SYS II



FD-M7025-11-L

DYNA-SYS II

FD-M7025-11-H/L/D/E

Conventional Front Derailleur (2x11-speed)

- **Wide compatibility and improved driving stability**
  - » Increased traction range for long-travel and active rear suspension
  - » Down Swing and TOP SWING
- **Chain stay angle: 66-69°**
- **Total capacity: 10T**
- **Weight: 152g (FD-M7025-11-H)**
  133g (FD-M7025-11-L)
  140g (FD-M7025-11-D)
  123g (FD-M7025-11-E)



FC-M7000-11-2/
SM-CRM70

DYNA-SYS II

FC-M7000-11-2

HOLLOWTECH II Crankset (2x11-speed)

FC-M7000-11-1

HOLLOWTECH II Crankset (1x11-speed)

- **Solid pedaling efficiently without loss**
  - » New 3D composite chain ring's teeth composition is optimized for each chainwheel load out
- **Balance of strength and lightweight by HOLLOWTECH II crank construction**
  - » Improved driving rigidity
  - » Close ratio gear combination for minimum shifting gap and
    maintaining rhythm (FC-M7000-11-2)
  - » Enhanced chain retention (FC-M7000-11-1)
  - » Better sealing and better rotation
- **Crank arm length: 170, 175mm**
- **Gear combination: 34-24T, 36-26T, 38-28T (FC-M7000-11-2)**
  30T, 32T, 34T (FC-M7000-11-1)
- **Weight: 739.8g (FC-M7000-11-2, 34-24T, w/o BB)**
  761.4g (FC-M7000-11-2, 36-26T, w/o BB)
  788.7g (FC-M7000-11-2, 38-28T, w/o BB)
  699.3g (FC-M7000-11-1, 30T, w/o BB)
  715.4g (FC-M7000-11-1, 32T, w/o BB)
  721.1g (FC-M7000-11-1, 34T, w/o BB)



FC-M7000-11-B1/
SM-CRM70

DYNA-SYS II

FC-M7000-11-B1
Chain Line 3mm Outboard (1x11-speed)

- **Solid pedaling efficiently**
- **HOLLOWTECH II crank construction**
- **Crank arm length: 170, 175mm**
- **Gear combination: 30T, 32T**
- **Weight: 702.3g (30T, w/o BB)**
  718.3g (32T, w/o BB)



FC-M7000-11-B2

DYNA-SYS II

FC-M7000-11-B2
Chain Line 3mm Outboard (2x11-speed)

- **Balance of strength and lightweight by HOLLOWTECH II crank construction**
- **Crank arm length: 170, 175mm**
- **Gear combination: 34-24T, 36-26T**
- **Weight: 742.8g (34-24T, w/o BB)**
  764.3g (36-26T, w/o BB)



BB-MT800



BB-MT800-PA

BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket



RD-M7000-11-GS

DYNA-SYS II

SHIMANO SHADOW RD

RD-M7000-11-GS
SHIMANO SHADOW RD+ (11-speed)

- **Rider tuned for sharp and silky shifts**
  - » 20% light shifting operation
    - SHADOW design with optimized slant angle
    - OPTISLICK new shift cable with new hyper low-friction coating technology
  - » Chain stability improved
    - New SHADOW design with optimized slant angle for stable gear position
  - » Efficient shifting and smoother driving
    - Efficient pulley teeth design
- **Total capacity: 41T**
- **Weight: 323g**



CS-M7000-11

DYNA-SYS II

NEW

CS-M7000-11
HG Cassette Sprocket (11-speed)

- **High-efficiency drivetrain for aggressive trail riding**
- **Smooth and stable shifting**
  - » Wider range and smooth gear steps for 1x11 system
    - Lightweight spider construction
- **Gear combination: 11-46T**

CS-M7000-11
HG Cassette Sprocket (11-speed)

- **Ride anywhere with smooth and precise gear changes**
  - » Optimized gear combination and gear ratio
    - Wide cassette sprocket 11-40T, 11-42T
- **Improved driving efficiency and keep riding in efficient front driving gears**
- **Lightweight, minimum design with mechanical beauty**
  - » Lighter spider construction
- **Gear combination: 11-40T, 11-42T**
- **Weight: 450g (11-40T)**
  476g (11-42T)



CN-HG601

HG-X11 SIL-TEC

CN-HG601-11
Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **System engineered drivetrain component for optimal power transfer**
  - » Inner-plate treated with SHIMANO's ultra-low friction surface treatment "SIL-TEC" (inner plate)
  - » Same durability as current 10-speed chain
- **Smooth and precise front and rear shifting**
- **Directional chain**
- **Weight: 257g (114Link)**



SL-M7000-10



SL-M7000-10-I



SL-M7000-10-B-I

SL-M7000-10
RAPIDFIRE PLUS Shift Lever (3x10-speed)

SL-M7000-10-I
RAPIDFIRE PLUS Shift Lever (I-SPEC II) (3x10-speed)

SL-M7000-10-B-I
RAPIDFIRE PLUS Shift Lever (I-SPEC) (3x10-speed)

- **Ergonomically designed for prolonged enjoyment**
  - » 14% lighter rear shifts
    - OPTISLICK new shift cable with new hyper low-friction coating technology
    - Longer lever body
  - » Consistently stable shifting
    - Wider operating surface of release lever - Thumb Operation
- **Simple, adaptable cockpit**
  - » I-SPEC II (SL-M7000-10-I)
    - Easy to install, compact design and slim brake lever for lightweight
  - » I-SPEC B-type option (SL-M7000-10-B-I)
- **Weight: 265g (SL-M7000-10)**
  235g (SL-M7000-10-I)
  247g (SL-M7000-10-B-I)



FD-M7000-10-D



FD-M7000-10-E

FD-M7000-10-H/L/D/E
SIDE SWING Front Derailleur (3x10-speed)

- **Enhanced stability, maneuverability and shifting efficiency**
  - » Wider clearance for large wheels
    - New SIDE SWING design for large wheel bikes
  - » Compatible with shorter chain stays
  - » Efficient cable routing for light shift operation
  - » Versatile specification compatible with traditional mounting options
    - High clamp/Low clamp/D-type/E-type (w/o BB plate)
- **Chain stay angle: 66-69°**
- **Total capacity: 18T**
- **Weight: 152.1g (FD-M7000-10-H)**
  136.5g (FD-M7000-10-L)
  140.5g (FD-M7000-10-D)
  126.5g (FD-M7000-10-E)



FD-M7005-10-H



FD-M7005-10-L

FD-M7005-10-H/L/D/E
Conventional Front Derailleur (3x10-speed)

- **Wide compatibility**
  - » Down Swing and TOP SWING
- **Chain stay angle: 66-69°**
- **Total capacity: 18T**
- **Weight: 155.4g (FD-M7005-10-H)**
  155g (FD-M7005-10-L)
  140.9g (FD-M7005-10-D)
  143g (FD-M7005-10-E)



FC-M7000-10-3

FC-M7000-10-3
HOLLOWTECH II Crankset (3x10-speed)

BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket

- **High efficient drive train with precise shifting**
- **Optimal balance of durability and weight**
- **Ride anywhere: DYNA-SYS**
- **Consistent shifting performance**
  - » Durable chainwheel teeth (composite middle ring)
  - » Better sealing and better rotation
    - Small ball bottom bracket
- **Crank arm length: 170, 175mm**
- **Gear combination: 40-30-22T**
- **Weight: 801.1g (FC-M7000-10-3, w/o BB)**
  82.1g (BB-MT800)
  68.2g (BB-MT800-PA)



BB-MT800

BB-MT800-PA



RD-M7000-10-SGS

RD-M7000-10-SGS

SHIMANO SHADOW RD+ (3x10-speed)

- **Rider tuned for sharp and silky shifts**
  - OPTISLICK new shift cable with new hyper low-friction coating technology
- **Total capacity: 43T**
- **Weight: 313g**



CS-HG81-10

CS-HG81-10

HG Cassette Sprocket (10-speed)

- **Refined tooth profile for HG-X chain and SHIMANO SHADOW RD**
- **3 rings on spider**
- **Gearings: 11-32T, 11-34T, 11-36T**
- **Weight: 317g (11-32T)**



CN-HG54

CN-HG54

Super Narrow HG-X chain (10-speed)

- **Mud shedding design**
- **Directional chain**
  - » Further evolution of shifting performance



BL-M7000

BL-M7000

Hydraulic Disc Brake Lever

BR-M7000

Hydraulic Disc Brake Caliper



BR-M7000

- **Consistent, predictable and powerful**
  - » More stable brake performance in various conditions without a change in lever position
  - » High power and controllable braking for all MTB riding styles
  - » Easy maintenance
- **Rider tuned brake system**
  - » Toolless reach adjust
- **Weight: 418.8g (Kit for front)**



SM-RT70

SM-RT70

CENTER LOCK Disc Rotor

- **Crisp, consistent braking anytime you need to slow down thanks to the frigid power of ICE TECHNOLOGIES**
  - » Better heat radiation
    - Stainless steel/Aluminum/Stainless steel 3-layer sandwich structure
- **Lightweight**
- **Size: 160, 180, 203mm**
- **Weight: 197g (203mm)**
  163g (180mm)
  133g (160mm)



HB-M7000

HB-M7000

Front Hub for Disc Brake (100mm O.L.D.)

HB-M7010

Front Hub for Disc Brake (15mm E-THRU Axle, 100mm O.L.D.)

- **All-weather durability, reliable performance and lighter weight**
  - » Weight saving design
    - High quality sealing and angular contact bearings
- **Weight: 189g (HB-M7000)**
  148g (HB-M7010)

SLX



HB-M7010-B

HB-M7010-B

Front Hub for Disc Brake (15mm E-THRU Axle, 110mm O.L.D.)

- **Better wheel rigidity**
  - » Wider flange
    - 10mm wider 110x15 front E-THRU hub
- **All-weather durability, reliable performance and lighter weight**
  - » Weight saving design
    - High quality sealing and angular contact bearings
- **Weight: 158g**



FH-M7000

FH-M7000

Rear FREEHUB for Disc Brake (135mm O.L.D.)

FH-M7010

Rear FREEHUB for Disc Brake (12mm E-THRU Axle, 142mm O.L.D.)

- **All-weather durability, reliable performance and lighter weight**
  - » Refined gear engagement and power transfer
    - High quality sealing and angular contact bearings
    - Quick engagement 36 times/360 degree
- **Weight: 384g (FH-M7000)**
  357g (FH-M7010)



FH-M7010-B

FH-M7010-B

Rear FREEHUB for Disc Brake (12mm E-THRU Axle, 148mm O.L.D.)

- **Better wheel rigidity**
  - » Wider flange
    - 6mm wider 148x12 rear E-THRU FREEHUB
- **All-weather durability, reliable performance and lighter weight**
  - » Refined gear engagement and power transfer
    - High quality sealing and angular contact bearings
    - Quick engagement 36 times/360 degree
- **Weight: 360g**



AX-MT500

NEW

AX-MT500

12 mm Rear E-THRU axle I-type for 142 mm/148 mm O.L.D

- **Clean and simple design**
  - » Approx -10 mm smaller housing (vs. SM-AX78/58)
  - » Easy lever-position adjust with hexagon wrench
    - Adjusting nut integrated into axle
- **Easy and stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Smaller housing
  - » Hollow aluminum axle
- **Same frame requirement as SM-AX78/58**



SM-AX56-B

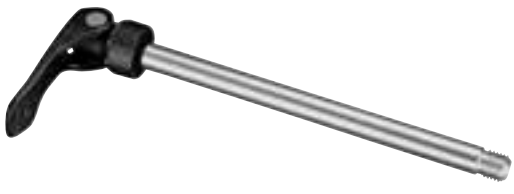
SM-AX56

12mm Rear Thru-axle for 142mm O.L.D.

SM-AX56-B

12mm Rear Thru-axle for 148mm O.L.D.

- **Better wheel rigidity**
  - » Longer axle
    - 6mm longer 148x12 rear E-THRU axle
  - » Weight saving design
    - hollow axle
  - » Compatible with current dropout parts
    - Same requirement of frame & fork dropout dimensions as current E-THRU hubs



SM-AX58

SM-AX58

12mm Rear Thru-axle for 142mm O.L.D.

SM-AX58-B

12mm Rear Thru-axle for 148mm O.L.D.

- **Clean and simple**
  - » Easy lever position adjust without right nut
    - Adjusting nut integrated into lever housing
- **Easy & stable operation**
  - » Stable fixing force
    - Cam structure
  - » Fast fixing
    - Optimized thread pitch
- **Lightweight**
  - » Hollow aluminum axle

SHIMANO

DEORE

EXPAND YOUR OUTDOOR LIFESTYLE

Capable - wide enough gear ratio and good gear step optimized for from steep climb to fast decent. Keep pedaling in efficient front driving gear with wider range cassette for riding up and down through trails. Low gear option for wide tire trend (27.5Plus) and women and youth.

Efficient - smooth shifting of front and rear in rhythm in order to maintain speed and acceleration in change of terrain. Less loss of pedaling power by rigid structure with easy and effortless shifting operation.

Confident - predictable, stable and durable brake with sleek style. Reliable front shifting even when the rear suspension moves. Improved stability and chain retention of drivetrain in rough terrain.

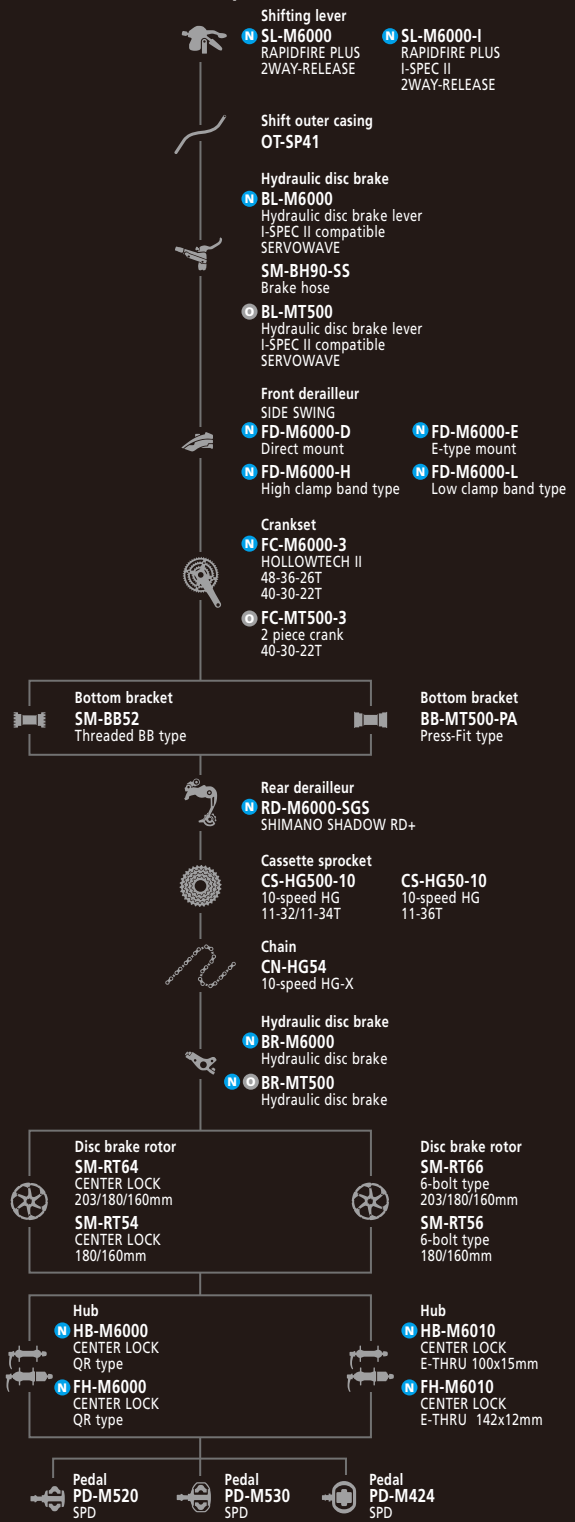


❖ MAJOR BENEFITS

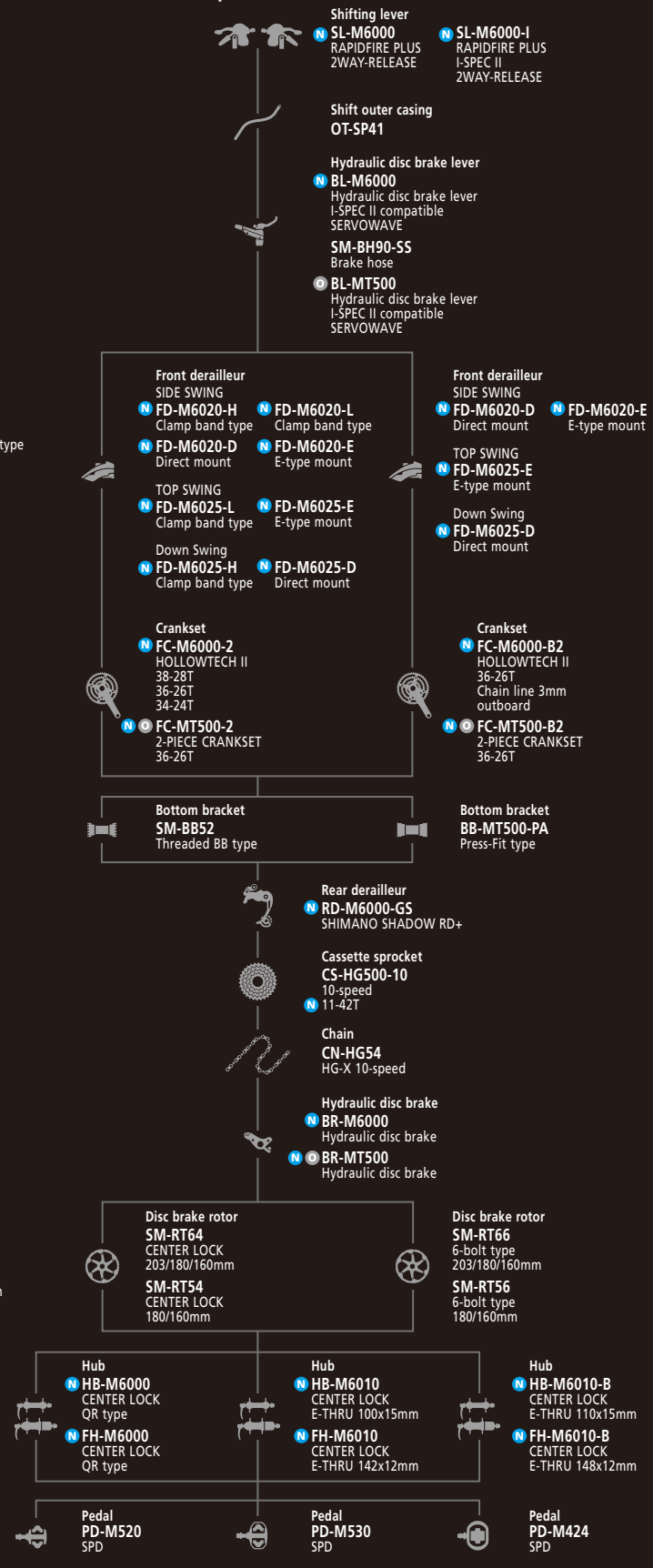
- Decisive trail riding for aspiring MTBers
- Enhanced rhythm and speed control
- Flexible gearing options

❖ 3/2x10-speed

3x10-speed



2x10-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SL-M6000-R

NEW

SL-M6000

RAPIDFIRE PLUS Shifting Lever (3/2x10-speed)

- **Light and smooth operation with vivid index**
  - OPTISLICK cable
- **Precise and consistent shifting performance**
- **Ergonomic lever shape and easy lever access**
  » Intuitive and readily visible OPTICAL GEAR DISPLAY
- **One shifter for double and triple use**



SL-M6000-IR

NEW

SL-M6000-I

RAPIDFIRE PLUS Shifting Lever (I-spec II) (3/2x10-speed)

- **Light and smooth operation with vivid index**
  - OPTISLICK cable
- **Precise and consistent shifting performance**
- **Ergonomic lever shape and easy lever access**
  » Intuitive and readily visible OPTICAL GEAR DISPLAY
- **One shifter for double and triple use**



FD-M6000-D



FD-M6000-E

NEW

FD-M6000

SIDE SWING Front Derailleur (3x10-speed)

- **Smooth shifting, and less cadence shock**
  » Close step (10T)
  » Efficient cable routing
  - OPTISLICK cable
- **Stable performance on suspension bikes**
  » Shifts correctly as rear suspension handles rough trails and obstacles
  » Consistently quiet driving while rear suspension position changes
  - Custom plate design for single-spike gear structure
  - Chain catcher
- **D-type mount (FD-M6000-D)**
- **E-type mount (FD-M6000-E)**
- **High clamp mount (FD-M6000-H)**
- **Low clamp mount (FD-M6000-L)**



FD-M6000-H



FD-M6000-L



FD-M6000-M

NEW

FD-M6000-M

SIDE SWING Front Derailleur (New Middle Clamp Option) (3x10-speed)

- **Lighter weight with better shifting performance, and mounts cleanly on rigid frames with a thicker bottom bracket**
  » -20 g Lighter (vs. high clamp mount)
  » 100% more stiffness increases the shifting torque for an improved shift performance
- **Clean appearance**
  - Compatible with MTB frames with a thicker bottom bracket area
- **Smooth shifting, and less cadence shock**
  - Efficient cable routing
  - OPTISLICK cable
  » New mid-clamp option improves weight-shifting, performance and appearance

SHIMANO DEORE



FD-M6020-D



FD-M6020-E

NEW

FD-M6020

SIDE SWING Front Derailleur (2x10-speed)

- **Smooth shifting, and less cadence shock**
  - » Close step (10T)
  - » Efficient cable routing
    - OPTISLICK cable
- **Stable performance on suspension bikes**
  - » Shifts correctly as rear suspension handles rough trails and obstacles
  - » Consistently quiet driving while rear suspension position changes
    - Custom plate design for single-spike gear structure
    - Chain catcher
- **D-type mount (FD-M6020-D)**
- **E-type mount (FD-M6020-E)**
- **High clamp mount (FD-M6020-H)**
- **Low clamp mount (FD-M6020-L)**



FD-M6020-H



FD-M6020-L



FD-M6020-M

NEW

FD-M6020-M

SIDE SWING Front Derailleur (New Middle Clamp Option) (2x10-speed)

- **Lighter weight with better shifting performance, and mounts cleanly on rigid frames with a thicker bottom bracket**
  - » -20 g Lighter (vs. high clamp mount)
  - » 100% more stiffness increases the shifting torque for an improved shift performance
  - » Clean appearance
    - Compatible with MTB frames with a thicker bottom bracket area
- **Smooth shifting, and less cadence shock**
  - Efficient cable routing
- **Robust performance on suspension bike**
  - » Shifting properly when the rear suspension moves
  - » No noise while driving when the rear suspension moves
    - Dedicated plate design in single-spike gear structure for robust shifting
    - Chain catcher
  - » New mid-clamp option improves weight-shifting, performance and appearance



FD-M6025-D



FD-M6025-E



FD-M6025-L

NEW

FD-M6025

Front Derailleur (2x10-speed)

- **Smooth shifting, and less cadence shock**
  - » Close step (10T)
  - » Efficient cable routing
    - OPTISLICK cable
- **Stable performance on suspension bikes**
  - » Shifts correctly as rear suspension handles rough trails and obstacles
  - » Consistently quiet driving while rear suspension position changes
    - Custom plate design for single-spike gear structure
    - Chain catcher
- **Down Swing construction (FD-M6025-D)**
- **TOP SWING construction (FD-M6025-E)**
- **Down Swing construction (FD-M6025-H)**
- **TOP SWING construction (FD-M6025-L)**



FC-M6000-3

NEW

FC-M6000-3

HOLLOWTECH II Crankset (3x10-speed)

- **Efficient power transfer**
  - » HOLLOWTECH II crankarm with 4-arm construction (70°)
  - » Composite chainring
- **Optimized gear combinations and ratios for a wide range of riding styles**
- **Smooth shifting rhythm maintains speed and acceleration over challenging terrain**
  - Close step tooth profile for smooth shifting
- **Gear combination: 40-30-22T**



FC-M6000-2

NEW

FC-M6000-2

HOLLOWTECH II Crankset (2x10-speed)

- **Efficient power transfer**
  - » HOLLOWTECH II crankarm with 4-arm construction (70°)
  - » Composite chainring
- **Optimized gear combination and gear ratio for trail riding**
- **Smooth shifting rhythm maintains speed and acceleration over challenging terrain**
  - Close step tooth profile for smooth shifting
- **Stable shifting performance in any suspension position**
  - Single-spike structure for stable shifting
- **Chainline 3 mm outboard spec available (FC-M6000-B2)**
- **Gear combination: 34-24T, 36-26T, 38-28T (FC-M6000-2)**
  36-26T (FC-M6000-B2)



FC-M6000-B2



BB-MT500-PA



SM-BB52

BB-MT500-PA

Press-Fit Type Bottom Bracket

SM-BB52

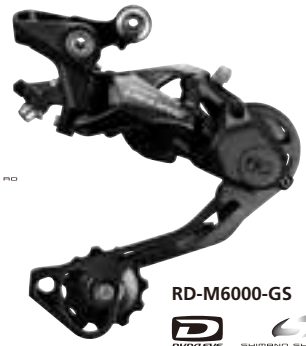
Bottom Bracket

- **High driving efficiency**
  - » Better sealing and rotation (SM-BB52)

SHIMANO
DEORE



RD-M6000-SGS



RD-M6000-GS

NEW

RD-M6000

SHIMANO SHADOW RD+ (10-speed)

- **High-efficiency drivetrain for aggressive trail riding**
  - » Optimized gear combination and gear ratio for trail riding
  - » Compatible with wide-range cassette
- **Silent and stable for technical trail riding**
  - » Improved stability and chain retention longevity
    - SHIMANO SHADOW RD+
- **Light shifting effort**
  - OPTISLICK cable
- **Smooth and precise shifting**
  - DYNA-SYS compatible system
- **Total capacity: 41T (RD-M6000-GS)**
  43T (RD-M6000-SGS)



CS-HG500-10

HG-X

NEW

CS-HG500-10

HG Cassette Sprocket (10-speed)

- **High-efficiency drivetrain for aggressive trail riding**
  - » DYNA-SYS compatible system for smooth/stable shifting and driving
  - » Lightweight spider construction
- **Wide range and smooth gear steps optimized for a broad scope of riding styles**
- **Gear combination: 11-42T**



CS-HG50-10

HG-X

CS-HG500-10

HG Cassette Sprocket (10-speed)

- **Lock in performance with durable construction and robust adjustability**
  - SHIMANO HG system
- **Versatile gear range supports a broad range of riding styles**
  - Rider tuned 10-speed gear options
- **Gear combination: 11-32T, 11-34T**

CS-HG50-10

HG Cassette Sprocket (10-speed)

- **Refined tooth profile for HG-X chain and SHIMANO SHADOW RD**
- **Gearing: 11-36T**



CN-HG54

HG-X

CN-HG54

Super Narrow HG-X chain (10-speed)

- **Mud shedding design**
- **Directional chain**
  - » Further evolution of shifting performance



BL-M6000

I-spec II

NEW

BL-M6000

Hydraulic Disc Brake Lever

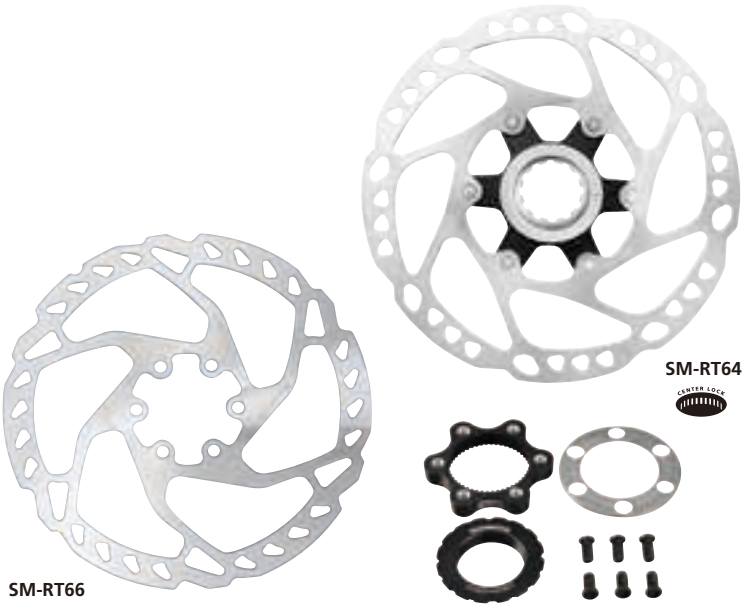
- **Powerful and responsive braking for a wide range of riding styles, from XC to all-mountain**
- **Durable construction with a cool integrated appearance**
  - » Sleek and resilient master cylinder design
- **Smooth and predictable control, with a balance of power and rigidity**
  - » SERVOWAVE high-power brake
- **Stable brake performance in any condition**



NEW

BR-M6000
Hydraulic Disc Brake Caliper

- **Powerful and responsive braking for a wide range of riding styles, from XC to all-mountain**
- **Durable construction with a cool integrated appearance**
  - Lightweight caliper
- **Smooth and predictable control, with a balance of power and rigidity**
  - » Insulated pad and piston
  - » ICE TECHNOLOGIES pad compatible
- **Stable brake performance in any condition**
- **Color options: Black, Silver (T6000 kit only)**



SM-RT64
CENTER LOCK Disc Rotor

SM-RT66
6-bolt Disc Rotor

SM-RTAD05
Disc brake rotor adapter

- **Lightweight and sleek design**
- **Mud shedding design**
- **New tightening plate**
- **Reliable and easy anti-loosen plate**
- **Compatible for metal pad**
- **160mm, 180mm, 203mm**



NEW

HB-M6000
Front Hub for Disc Brake (100 mm O.L.D.)

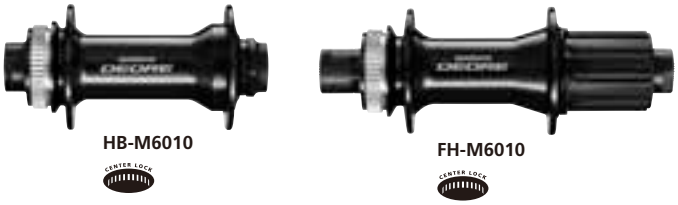
- **Durable and reliable**
  - » High-quality sealing and angular contact bearings



NEW

FH-M6000
Rear FREEHUB for Disc Brake (135 mm O.L.D.)

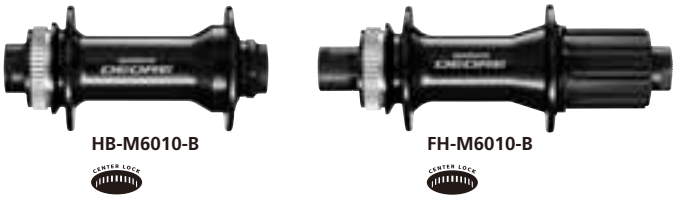
- **Durable and reliable**
  - » High-quality sealing and angular contact bearings
- **Precise, swift, and smooth shift response**
  - » Quick engagement



NEW

HB-M6010
Front Hub for Disc Brake (15 mm E-THRU Axle)

- **Durable and reliable**
  - » High-quality sealing and angular contact bearings
  - » Greater wheel rigidity (HB-M6010-B)
- **100 mm O.L.D. (HB-M6010)**
- **110 mm O.L.D. (HB-M6010-B)**



NEW

FH-M6010
Rear FREEHUB for Disc Brake (12 mm E-THRU Axle)

- **Durable and reliable**
  - » High-quality sealing and angular contact bearings
- **Precise, swift, and smooth shift response (FH-M6010)**
  - » Quick engagement
  - » Greater wheel rigidity (FH-M6010-B)
- **142 mm O.L.D. (FH-M6010)**
- **148 mm O.L.D. (FH-M6010-B)**

“PURE GRAVITY” WORLD CUP CHAMPION’S CHOICE! DH RACE WEAPON!

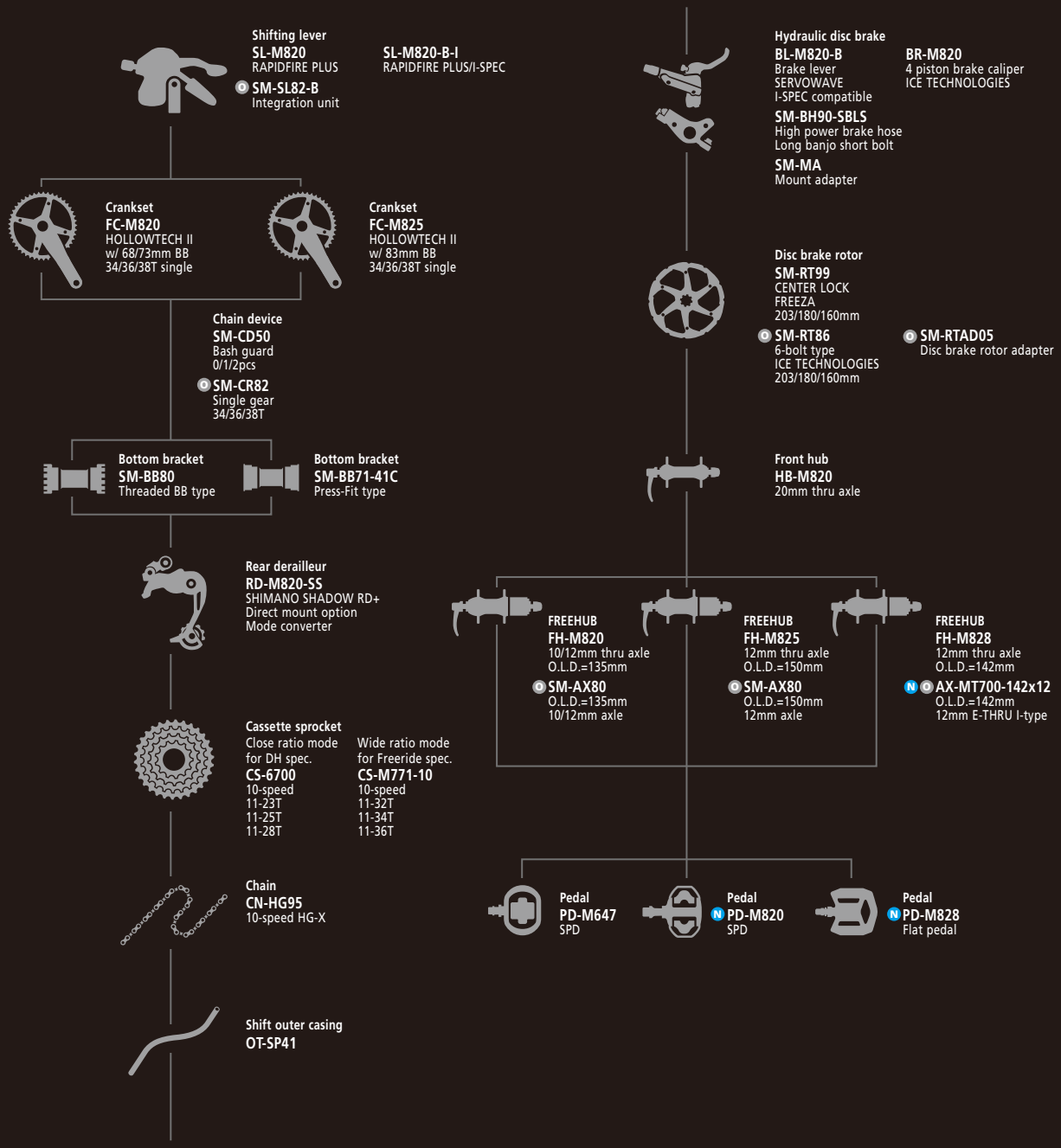
With its unrivalled durability, stability, and ergonomics, SAINT puts you fully in charge of your bike. Built for the eager downhill racer, SAINT lets you accelerate and decelerate at World Cup levels. If you want to enhance your concentration and channel your focus on white-knuckle downhill rides, this is the groupset for you.



❖ MAJOR BENEFITS

- Super stable and silent drivetrain with SHIMANO SHADOW RD+ and Bump Stopper
- Consistent, powerful, and responsive braking with ICE TECHNOLOGIES
- Advanced clad rotor with radiator fin

❖ 10-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SM-CD50

FC-M820
SM-CR82

FC-M820/M825
HOLLOWTECH II Crankset (1x10-speed)

- **Strongest HOLLOWTECH II**
- **Strongest steel axle in our line-up**
- **Steel pedal insert**
- **Lighter 4 arm & gear 34T/36T/38T**
- **Variety of spec**
  - » FC-M820 68/73mm bottom bracket
  - » FC-M825 83mm bottom bracket
  - » Press-Fit bottom bracket compatible
- **Weight: 919g (FC-M820, 36T, 170mm, without bash guard)**
  931g (FC-M825, 36T, 170mm, without bash guard)

SM-CD50
SHIMANO MODULAR CHAIN DEVICE

- **Damper in lower guide**
- **Silencer on lower guide**
- **Minimum alloy bash guard**
- **Mount: ISCG03, ISCG05**
- **Mud shedding design**



SM-BB80

SM-CR82
Single Gear

- **Single gear 34/36/38T**



SM-BB71-41C

SM-BB80
Bottom Bracket

SM-BB71-41A/C
Press-Fit Type Bottom Bracket

- **For FC-M825, FC-M645 (SM-BB71-41C)**



SL-M820



SL-M820-B-I

SL-M820
RAPIDFIRE Plus Shift Lever (10-speed)

SL-M820-B-I
RAPIDFIRE Plus Shift Lever (I-spec) (10-speed)

- **Low effort longer lever**
- **Low friction Multi bearing**
- **DH race proven antiskid ergonomics**
- **Vivid index feeling**
- **INSTANT RELEASE, MULTI RELEASE, 2-WAY RELEASE**
- **MTB 10-speed right side only**
- **Weight: 123g (SL-M820 Right)**
  114g (SL-M820-B-I Right)



RD-M820-SS

RD-M820-SS

SHIMANO SHADOW RD+ (10-speed)

- **SHIMANO SHADOW RD+ Short cage manage chain slapping nor dropping**
- **MTB 10-speed system stable against cable contamination**
- **Silent Bump Stopper**
- **Durable Super Wide Link**
- **Low-profile skid plate design**
- **Close Ratio compatible**
- **Mode converter**
- **Direct Mount Rear Derailleur option**
- **Total capacity: 25T**
- **Weight: 280g (without mode converter)**



BL-M820-B

BL-M820-B

Hydraulic Disc Brake Lever

- **Ergonomic antiskid lever**
- **Lighter short Servo Wave lever**
- **Free Stroke & tool less Reach Adjust**
- **I-spec compatible**
- **Weight: 103.2g**



BL-M820-B

BR-M820

Hydraulic Disc Brake Caliper

- **ICE TECHNOLOGIES heat management**
- **High power 4-ceramic piston caliper**
- **Easy and clean bleeding**
  - » One Way Bleeding caliper
  - » Funnel bleeding tool
- **Pad: H01A Resin/H03C Metal**
- **Weight: 306g (Resin pad with radiator fin)**



BR-M820

ICE TECHNOLOGIES ONE WAY BLEEDING

SM-BH90-SBLS

Brake Hose

- **ICE TECHNOLOGIES heat management**
- **High power brake hose**
- **Long banjo hose, short bolt (for radiation of heat)**



SM-RT99

ICE TECHNOLOGIES FREEZA CENTER LOCK

SM-RT99

CENTER LOCK Disc Rotor

- **Clad rotor blade Stainless steel/Aluminum/Stainless steel 3-layer clad rotor with radiator fin structure achieves heat management more efficiently**
  - » 40 degree C reduction in heat vs. SM-RT98
- **Better than SM-RT98 at the super high level of Velotech test**
- **Lightweight adapter**
- **2 pieces structure for rigidity and lightweight (Aluminum adapter and rotor)**
- **Mud shedding rotor blade design**
- **Size 203/180/160mm**
- **Weight: 118.1g (160mm)**



HB-M820

HB-M820

Front Hub for Disc Brake
(20mm thru axle, 110mm O.L.D.)

- **Lighter Bearing construction**
- **Anti-loosen lock nut**
- **Quality sealing**
- **Cup & Cone**
  - » Angular contact bearing
  - » Adjustable bearing
- **CENTER LOCK rotor mount system**
- **Weight: 216g**



FH-M825

FH-M820

Rear FREEHUB for Disc Brake
(10/12mm thru axle, 135mm O.L.D.)

FH-M825

Rear FREEHUB for Disc Brake
(12mm thru axle, 150mm O.L.D.)

FH-M828

Rear FREEHUB for Disc Brake
(12mm thru axle, 142mm O.L.D.)

- **Quality sealing**
- **Cup & Cone**
  - » Angular contact bearing
  - » Adjustable bearing
- **Quick Engagement**
- **CENTER LOCK rotor mount system**
- **Weight: 347g (FH-M820, ø10)**
  333g (FH-M820, ø12)
  348g (FH-M825)
  336g (FH-M828)



PD-M820

568 g

SPD MUD DH

NEW

PD-M820

SAINT-LEVEL SPD PEDAL FOR AGGRESSIVE DOWNHILL/ENDURO RIDERS

FEATURES

- Wider contact area enhances stability in combination with AM shoes
- Thinner pedal body for lower stack height and improved obstacle clearance
- Non-pop-up alloy pedal body for simplicity and durability
- Durable, yet slimmer chrome-moly spindle with 8 mm hex wrench mount
- Four height adjustable pins per side for improved grip when not clipped-in
- Pedal body protects binding mechanism against impacts



PD-M828

477 g

FR DH

NEW

PD-M828

NEW SAINT-LEVEL FLAT PEDAL WITH SUPERIOR GRIP, SUPPORT, AND DURABILITY

FEATURES

- Concave platform with “virtual concave” height adjustable pins
- Wide platform for more support and grip
- 12 pins per side with option of long or short pins
- Durable, yet slimmer chrome-moly spindle with 8 mm hex wrench mount

ZEE

"CRUSH EVERY LINE"

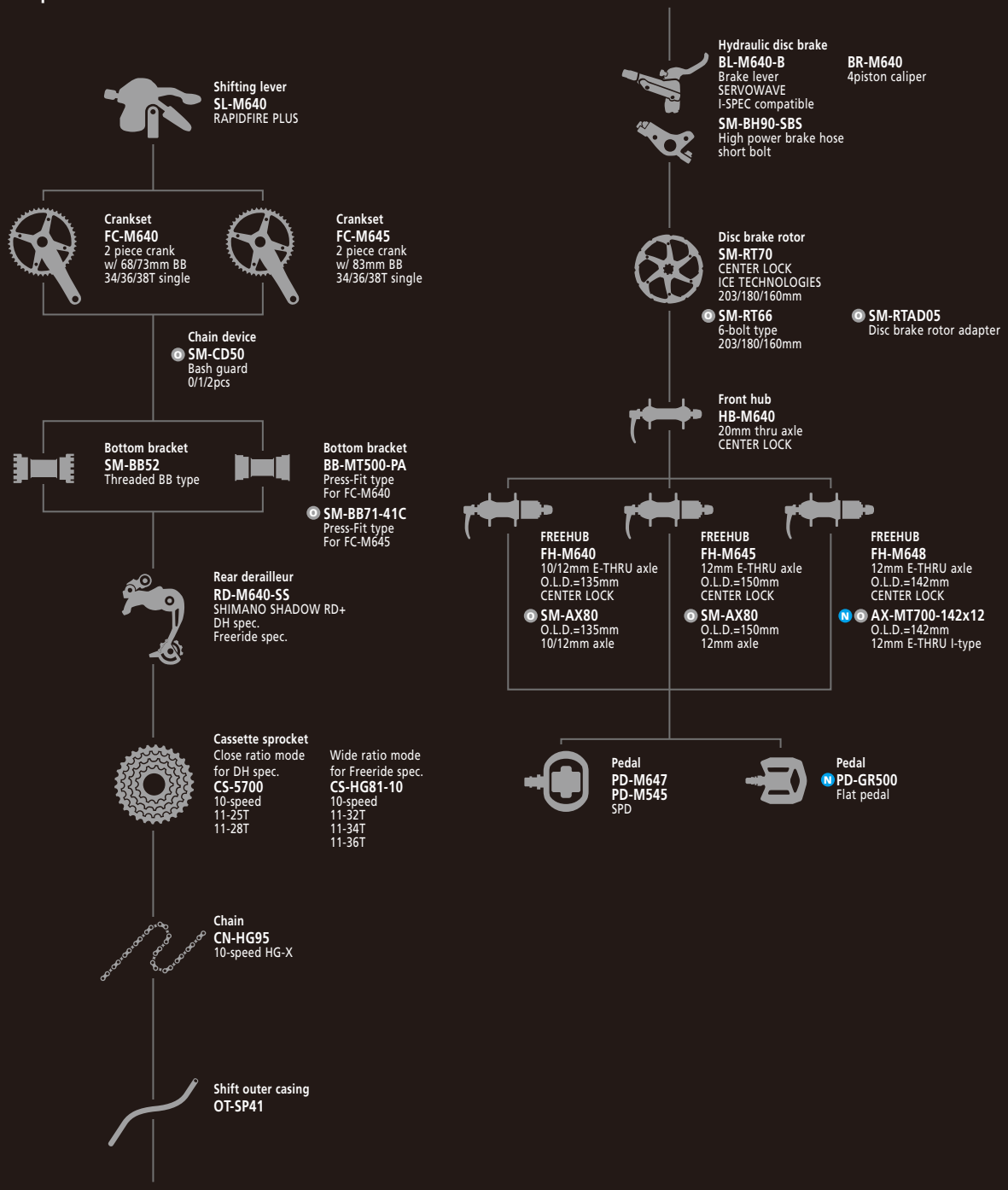
ZEE provides a rock-solid platform to support aggressive riding on mountain trails. This is one groupset that gives you the confidence to find your flow and handle even the gnarliest of downhill rides. If you're a newcomer to gravity riding, ZEE is the perfect place to start.



❖ MAJOR BENEFITS

- Strong, durable crankset supports an aggressive riding style
- Stable and silent operation with SHIMANO SHADOW RD+ short cage
- Powerful, easily configurable disc brake set

❖ 10-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



FC-M640

HG-X

FC-M640/M645

Crankset (1x10-speed)

- **Strong thick-wall 2pcs-crank arm**
- **Strong steel axle**
- **Steel pedal insert**
- **Choices of spec**
  - » FC-M640 68/73mm bottom bracket
  - » FC-M645 83mm bottom bracket
  - » Press-Fit bottom bracket compatible
  - » 34T/36T/38T
- **Weight: 906g (FC-M640, 36T, 170mm, without bash guard)**
  938g (FC-M645, 36T, 170mm, without bash guard)



SM-BB52

SM-BB52

Bottom Bracket

- **Better sealing performance**



SL-M640

DYNASYS 2-WAY RELEASE

SL-M640

RAPIDFIRE Plus right Shift Lever (10-speed)

- **DH race proven antiskid ergonomics**
- **2-WAY RELEASE**
- **Weight: 127g**



RD-M640-SS

DYNASYS SHIMANO SHADOW RD+

RD-M640-SS

SHIMANO SHADOW RD+ (10-speed)

- **SHIMANO SHADOW RD+ Short cage**
- **MTB 10-speed stable system**
- **Low-profile design**
- **Close Ratio**
- **2 spec available * No mode converter**
  - » Wide ratio spec for Free ride >11-32T
  - » Close ratio spec for DH <11-28T
- **Direct Mount Rear Derailleur option**
- **Total capacity: 25T**
- **Weight: 275g**



BL-M640-B



BL-M640-B

BL-M640-B

Hydraulic Disc Brake Lever

- **Short Servo Wave lever**
- **Ergonomic antiskid lever**
- **Tool less Reach Adjust**
- **Total designed rigidity**
- **I-spec compatible**
- **Weight: 116.7g**



BR-M640

ICE TECHNOLOGIES

ONE WAY BLEEDING

BR-M640

Hydraulic Disc Brake Caliper

- **High power 4-ceramic piston caliper**
- **Total designed rigidity**
- **Easy and clean bleeding**
  - » One Way Bleeding caliper
  - » Funnel bleeding tool
- **ICE TECHNOLOGY Pad (option):**
  H01A Resin/H03C Metal
  Lightweight brake pad: D01S Resin/D02S Metal
- **Weight: 314g (F&R, Resin pad)**



HB-M640

CENTER LOCK

HB-M640

Front Hub for Disc Brake
(20mm Thru Axle, 110mm O.L.D.)

- **Quality sealing**
- **Cup & Cone**
  - » Angular contact bearing
  - » Adjustable bearing
- **CENTER LOCK rotor mount system**
- **Weight: 228g**



FH-M640

CENTER LOCK

FH-M640

Rear FREEHUB for Disc Brake
(10/12mm E-THRU Axle, 135mm O.L.D.)

FH-M645

Rear FREEHUB for Disc Brake
(12mm E-THRU Axle, 150mm O.L.D.)

FH-M648

Rear FREEHUB for Disc Brake
(12mm E-THRU Axle, 142mm O.L.D.)

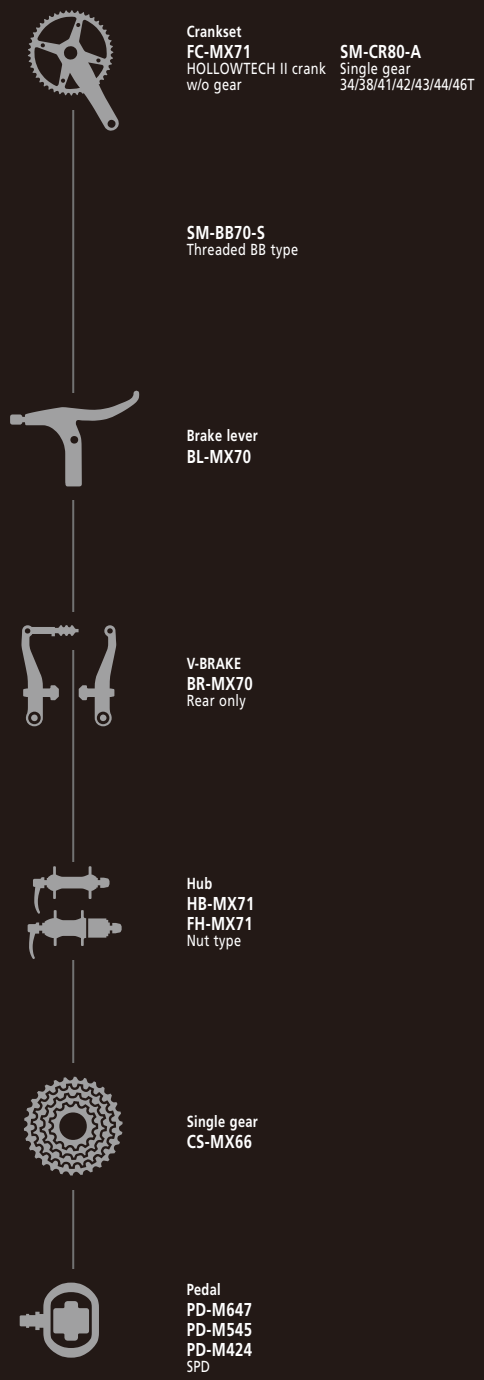
- **Quality sealing**
- **Cup & Cone**
  - » Angular contact bearing
  - » Adjustable bearing
- **Quick Engagement**
- **CENTER LOCK rotor mount system**
- **Weight: 375g (FH-M640, ø10)**
  350g (FH-M640, ø12)
  363g (FH-M645)
  357g (FH-M648)

SHIMANO DXR

SHIMANO DXR — bringing top-level design and engineering to BMX racing.
Designed to meet the demands of today's Pro level prospects. Ideal for the use on local race tracks.

❖ MAJOR BENEFITS

- Rigid and strong crank design
- Narrower Q-factor for smooth pedaling
- Quick Engagement and anti-pop FREEHUB body
- Proven performance of SHIMANO's Super Linear Response brake system



Crankset
FC-MX71
HOLLOWTECH II crank
w/o gear

SM-CR80-A
Single gear
34/38/41/42/43/44/46T

SM-BB70-S
Threaded BB type

Brake lever
BL-MX70

V-BRAKE
BR-MX70
Rear only

Hub
HB-MX71
FH-MX71
Nut type

Single gear
CS-MX66

Pedal
PD-M647
PD-M545
PD-M424
SPD

>>> http://productinfo.shimano.com/lineupchart.html



FC-MX71

FC-MX71
HOLLOWTECH II Crankset

- HOLLOWTECH II design with spider arm
- Lightweight but rigid and strong crank design
- Narrower Q-factor for smooth pedaling
- Steel pedal insert
- Crank arms lengths: 165mm, 170mm, 175mm, 180mm
- Chainring options: 34/38/41/42/43/44/46T
- Chainline: 44mm
- 68mm bottom bracket shell compatible
- Chain size: 1/2x3/32



SM-CR80-A

SM-CR80-A
Chainring

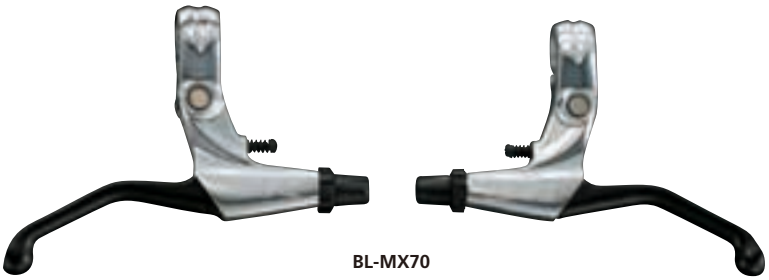
- Chainring options: 34/38/41/42/43/44/46T



CS-MX66

CS-MX66
Sprocket

- Single sprocket: 14/15/16/18T
- Chain size: 1/2x3/32



BL-MX70

BL-MX70
Brake Lever

- Proven performance of SHIMANO's Super Linear Response system
- 2-finger brake lever



BR-MX70

BR-MX70
V-BRAKE

- Rear brake only
- Cold forged brake arm
- Cartridge shoe



HB-MX71



FH-MX71

HB-MX71
Front Hub

FH-MX71
Rear FREEHUB

- Quick Engagement and anti-pop FREEHUB body
- Super smooth rotation for efficient rolling
- Stronger steel axle
- Spoke holes: 32H/36H

SHIMANO Series



FC-MT700-2



FC-MT700-B2



FC-MT600-2



BB-MT800



BB-MT800-PA



FC-M627



SM-BB52

For 11-speed

FC-MT700-2
HOLLOWTECH II Crankset (2x11-speed)

- **Affordable 11-speed rider tuned gearing**
- **Consistent shifting performance and chain management**
  - » More durable chainwheel teeth
    - Composite chain ring construction: Aluminum plated teeth/ Aluminum+GFRP body (2x11 Top)
- **Strategically placed materials for optimal balance of durability and lightweight**
  - » New 3D solid unique chain ring composite design
- **Efficient and precise shifting performance**
  - » Improved rigidity
    - HOLLOWTECH II
    - 70 degree spider arm
  - » Close ratio gear combination for minimum shifting gap and maintaining rhythm
    - Single spike structure for robust shifting
- **Gear combination: 36-26T, 34-24T**
- **Weight: 735.4g**

FC-MT700-B2
Chain Line 3mm Outboard (2x11-speed)

- **Chain line (51.8mm)**
- **Q-factor: Same as standard**
- **Crank arm length: 170, 175mm**
- **Gear combination: 34-24T, 36-26T**
- **Weight: 738.9g (36-26T, w/o BB)**
  712.4g (34-24T, w/o BB)

NEW

FC-MT600-2
Crankset (2x11-speed)

- **Improved driving efficiency, keep riding in efficient front driving gears with a wider range of rear cassette gears**
  - » Optimized gear combination and gear ratio for trail riding by front and rear system
- **Smooth shifting rhythm maintains speed and acceleration throughout the trail**
  - » Closer step double (10T) for smooth shifting
  - » Abrasion-resistant driving gear teeth
- **Efficient power transfer**
  - » Rigid 2-piece 4-arm (70°) crank
  - » Rigid composite chainring
- **Stable shifting performance in any suspension position**
  - » Single-spike structure for stable shifting
- **Gear combination: 36-26T**
- **Crank arm length: 170 mm, 175 mm**

BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket

For 10-speed

FC-M627
Crankset (SHIMANO logo) (2x10-speed)

- **Optimized gear range for big wheel bikes**
  - » Smaller front chain rings and wide gear combination
- **Consistent shifting and silent driving with active rear suspension**
  - » Uninterrupted shifting with active suspension
    - Single spike structure for robust shifting
  - » No driving noise with active suspension
- **Gear combination: 38-24T, 36-22T**

FC-M627-B2
Chain Line 3mm Outboard (2x10-speed)

- **Compatible with 148mm O.L.D. frame**
- **Gear combination: 36-22T**

SM-BB52
Bottom Bracket

- **Better sealing performance**

SHIMANO Series



FC-MT500-3



SM-BB52



FC-MT500-2



FC-T551



SM-BB52



FC-T521



FC-T521



BB-ES300

For 10-speed

FC-MT500-3
Crankset (3x10-speed)

- **Solid pedaling efficiently**
  - » Balance of strength and lightweight by 2pcs crank construction
- **Most affordable 2pcs crank (10-speed)**
  - » 2pcs crank construction
  - » Wide range, low ratio and suitable gear step for 27.5/29 inch wheel bike riders
  - » Press-fit and threaded bottom bracket compatible
- **Wide range and low ratio for wide usage from paved road to steep mountain**
  - » Rider without physically strength
  - » Woman specific bike
- **Stable shifting performance**
- **Quality appearance in class**
- **Crank arm length: 170, 175mm**
- **Gear combination: 40-30-22T**

NEW

FC-MT500-2
Crankset (2x10-speed)

- **Improved driving efficiency, keep riding in efficient front driving gears with a wider range of rear cassette gears**
  - » Optimized gear combination and gear ratio for trail riding by front and rear system
- **Smooth shifting rhythm maintains speed and acceleration throughout the trail**
  - » Closer step double (10T) for smooth shifting
- **Efficient power transfer**
  - » Rigid 2-piece 4-arm (70°) crank
  - » Rigid composite chainring
- **Stable shifting performance in any suspension position**
  - » Single-spike structure for stable shifting
- **Gear combination: 36-26T**
- **Crank arm length: 170 mm, 175 mm**

FC-T551
Crankset (3x10-speed)

- **2-piece construction for accurate chain line**
- **HG-X chain and specific designed teeth**
- **Chaincase compatible**
- **Simply and sturdy design**
  - » Integrated appearance of chain guard 2-piece rigid construction of crank
- **Variety of spec: 48-36-26T, 44-32-24T**
- **HYPERDRIVE SG-X chainrings**
- **Chainline: 50mm**
- **Color options: Black, Silver**

SM-BB52
Bottom Bracket

- **Better sealing performance**

FC-T521
OCTALINK Crankset (3x10-speed)

- **10-speed Trekking crankset**
- **Following XT/LX trekking product concept**
- **Stable and smooth shifting performance**
- **Simple and sturdy design**
  - » Integrated appearance of chain guard
  - » Rigid and lightweight by HOLLOWTECH, OCTALINK
- **OCTALINK construction FC: 48-36-26T with CG/44-32-24T with CG available**
- **Recommended BB-ES300**
- **Color options: Black, Silver**

BB-ES300
OCTALINK Bottom Bracket

- **Stiff and lightweight for efficient power transfer**
  - » Durable spline reinforced construction
    - 8-splined OCTALINK interface increases the strength and rigidity of the entire assembly
  - » 26g lighter weight than BB-ES25
- **Quick and precise assembly**
  - » Good chain line control with chain stabilizer



CS-HG500-10



CS-HG50-10

For 10-speed

NEW

CS-HG500-10
HG Cassette Sprocket (10-speed)

- **High-efficiency drivetrain for aggressive trail riding**
  - » DYNA-SYS compatible system for smooth/stable shifting and driving
  - » Lightweight spider construction
- **Wide range and smooth gear steps optimized for a broad scope of riding styles**
- **Gear combination: 11-42T**

CS-HG50-10
HG Cassette Sprocket (10-speed)

- **Precise and consistent shifting performance for MTB**
  - » Ultimate refined steel spider and gears structure
  - » Refined tooth profile for HG-X chain and SHIMANO SHADOW RD
  - » Proper gear combination 11-36T

For 9-speed



ST-EF505-9R



ST-EF505-L

NEW

ST-EF505-9
EZ FIRE PLUS Shift with Hydraulic Disc Brake (3x9-speed)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-kit
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS



FD-MT400-E

NEW

FD-MT400
SIDE SWING Front Derailleur (2x9-speed)

- **Increased shifting efficiency with efficient cable routing for light operation force**
- **Enhanced maneuverability and increased tire clearance from the frame for bigger and wider tires**
  - » SIDE SWING front derailleur
  - » HYPERDRIVE compatible
  - » Chain catcher
- **D-type mount (FD-MT400-D)**
- **E-type mount (FD-MT400-E)**



FC-MT200

NEW

FC-MT200
Crankset (3x9-speed)

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  - » Premium performance at an attractive price
    - MEGA 9 LITE 40-30-22 gear combination
    - HYPERDRIVE compatible
    - Riveted chainring
- **Gear combination: 40-30-22T**



FC-MT100

NEW

FC-MT100
Crankset (3x9-speed)

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  - » Premium performance at an attractive price
    - MEGA 9 LITE 40-30-22 gear combination
    - HYPERDRIVE compatible
    - Riveted chainring
- **Gear combination: 40-30-22T**

SHIMANO Series

For 9-speed

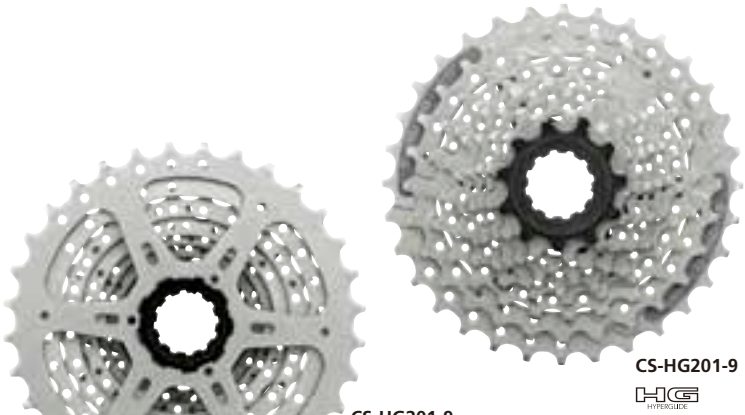


NEW

CS-HG400-9

HG Cassette Sprocket (9-speed)

- **Close gear steps between primary sprockets creates smooth, comfortable pedaling**
  - » 11-36T specification addition to 11-25T, 11-28T, 11-32T, 11-34T, 12-36T specs (11-25T, 11-28T not for RD-M4000/M3000)
    - HYPERGLIDE technology
- **Lightweight design**
- **Quick and easy assembly with cassette sprocket cap**
- **Gear combination: 11-25T, 11-28T, 11-32T, 11-34T, 12-36T, 11-36T (New)**



NEW

CS-HG201-9

HG Cassette Sprocket (9-speed)

- **Close gear steps between primary sprockets creates smooth, comfortable pedaling**
  - » Available in 11-32T, 11-34T and new 11-36T gear spec
  - » Quick and easy assembly with cassette sprocket cap
    - HYPERGLIDE technology
- **Ride proudly with a high-end appearance**
  - » SHIMANO logo on lowest sprocket
  - » Silver cassette sprocket option
    - Rust-resistant surface treatment

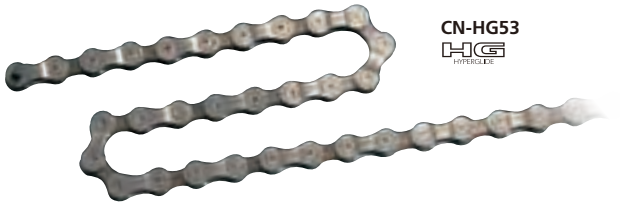


NEW

CS-HG200-9

HG Cassette Sprocket (9-speed)

- **Close gear steps between primary sprockets creates smooth, comfortable pedaling**
  - » Available in 11-32T, 11-34T and new 11-36T gear spec
  - » Quick and easy assembly with cassette sprocket cap
    - HYPERGLIDE technology
- **Ride proudly with a high-end look**
  - » SHIMANO logo on lowest sprocket



CN-HG53

Super Narrow HG Chain (9-speed)

- **Precise construction**
- **Weight: 304 g**

For 8-speed



ST-EF505

NEW

ST-EF505-8

EZ FIRE PLUS Shift with Hydraulic Disc Brake (3x8-speed)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-kit
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS

For 9/8/7-speed



ST-EF65-9R2



ST-EF65-9R4



ST-EF510-9R2A



ST-EF510-L2A



ST-EF510-8R2A



ST-EF510-7R2A

ST-EF65-9R2/9R4

EZ FIRE PLUS Shift/Brake Lever set (9-speed)

ST-EF65-8R2/8R4

EZ FIRE PLUS Shift/Brake Lever set (8-speed)

ST-EF65-7R2/7R4

EZ FIRE PLUS Shift/Brake Lever set (7-speed)

ST-EF65-L2/L4

EZ FIRE PLUS Shift/Brake Lever set (Triple)

- **Precise/consistent shifting performance Light operation force, ergonomic shift/brake lever shape**
- **Easy to read OPTICAL GEAR DISPLAY to see the gear position at a glance**
- **Best balance of shift lever/brake lever cable routing Noiseless bumper stopper**
- **MEGA-9 (ST-EF65-9R)**
- **2/4-finger brake lever**
- **Color options: Black, Silver**

ST-EF510-9R2A

EZ FIRE PLUS Shift/Brake Lever Set (9-speed)

ST-EF510-8R2A/8R4A

EZ FIRE PLUS Shift/Brake Lever Set (8-speed)

ST-EF510-7R2A/7R4A

EZ FIRE PLUS Shift/Brake Lever Set (7-speed)

ST-EF510-L2A/L4A

EZ FIRE PLUS Shift/Brake Lever Set (Triple)

- **Smooth and light action shifting for stress free long riding**
  - » Easy and intuitive shifting operation
    - EZ FIRE PLUS shifter
  - » Ergonomic main lever shape for natural finger movement
- **Attractive and clean cockpit**
  - » Easy to see the gear position with number at a glance
    - Attractive optical gear display
  - » Clean/integrated cable flow when assembled on the bike
- **2/4-finger brake lever member choices**
- **Color options: Black, Silver**

SHIMANO Series



ST-EF500-8R2A



ST-EF500-7R2A



ST-EF500-L2A

For 8/7-speed

ST-EF500-8R2A/8R4A
EZ FIRE PLUS Shift/Brake Lever Set (8-speed)

ST-EF500-7R2A/7R4A
EZ FIRE PLUS Shift/Brake Lever Set (7-speed)

ST-EF500-L2A/L4A
EZ FIRE PLUS Shift/Brake Lever Set (Triple)

- **Smooth and light action shifting for stress free long riding**
  - » Easy and intuitive shifting operation
    - EZ FIRE PLUS shifter
  - » Ergonomic main lever shape for natural finger movement
- **Attractive and clean cockpit**
  - » Easy to see the gear position with number at a glance
    - Attractive optical gear display
  - » Clean/integrated cable flow when assembled on the bike



CS-HG41-7

HG HYPERGLIDE



CS-HG200-7

HG HYPERGLIDE

For 7-speed

CS-HG41-7
HG Cassette Sprocket (7-speed)

- **HYPERGLIDE technology**
- **Gear combination: 11-28T**

CS-HG200-7
Cassette Sprocket (7-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - HYPERGLIDE
  - » Rust-resistant surface treatment and upgraded appearance vs. CS-HG20-7
- **Gear combination: 12-28T, 12-32T**



BL-MT500

I-spec II



BL-MT500

I-spec II

Hydraulic Disc Brakes

NEW

BL-MT500
Hydraulic Disc Brake Lever

- **Sleek and stable**
  - » Smooth and durable master cylinder design
- **Reliable power and rigid brake design is great for all riding styles from XC to trail**
  - » SERVOWAVE high-power brake



BR-MT500

ONE WAY BLEEDING

NEW

BR-MT500
Hydraulic Disc Brake Caliper

- **Sleek and stable**
  - » Smooth and durable master cylinder design
- **Reliable power and rigid brake design is great for all riding styles from XC to trail**
  - » Insulated pad and piston

Hydraulic Disc Brakes



BL-T445
Hydraulic Disc Brake Lever

BR-M446
Hydraulic Disc Brake Caliper

- **Easy/quick set up and adjustment system**
  » Funnel bleeding & One Way Bleeding for easy & clean bleeding
- **Opposed 2-piston design**
- **3-finger hydraulic disc brake lever**
- **Designed for resin pad only (B01S)**
- **Color options: Black, Silver, White**





BL-M425
Hydraulic Disc Brake Lever

BR-M395
Hydraulic Disc Brake Caliper

- **2-finger alloy lever member at affordable price point**
- **Clean and easy bleeding**
  » Funnel bleeding/One Way Bleeding
- **Color options: Black, White**





BL-M396
Hydraulic Disc Brake Lever

BR-M395
Hydraulic Disc Brake Caliper

- **Quick, easy assembly and maintenance**
- **Bleeding nipple position changed for ease of maintenance (BR-M395)**
- **Clean and easy bleeding**
  » Funnel bleeding/One Way Bleeding
- **Color options: Black, White**



SHIMANO Series

Hydraulic Disc Brakes



BL-M365



BL-M365



BR-M365

ONE WAY BLEEDING



BR-M365

ONE WAY BLEEDING

BL-M365
Hydraulic Disc Brake Lever

BR-M365
Hydraulic Disc Brake Caliper

- **Experience SHIMANO hydraulic disc brake performance at reasonable price**
  - » Hydraulic disc brake lever with alloy brake lever (BL-M365)
    - Enough brake power for entry level riders (90% of M395)
    - Brake lever shape fits both 2/3-finger operation
    - Alloy brake lever
- **Long lasting good braking performance**
  - » Easy, quick and clean installation
    - ONE WAY BLEEDING
    - Funnel bleeding
    - SHIMANO Mineral oil
- **Less noise**
  - » Avoid pad rattling noise, less noise during braking
    - 40% wider pad clearance, stability of pad clearance
- **Color options: Black, White**



BL-M315



BR-M315

ONE WAY BLEEDING

BL-M315
Hydraulic Disc Brake Lever

BR-M315
Hydraulic Disc Brake Caliper

- **Experience SHIMANO hydraulic disc brake performance at most affordable price**
  - » Hydraulic disc brake lever with slender steel brake lever (BL-M315)
    - Enough brake power for entry level riders (90% of M395)
    - Brake lever shape fits both 2/3-finger operation
- **Long lasting good braking performance**
  - » Easy, quick and clean installation
    - ONE WAY BLEEDING
    - Funnel bleeding
    - SHIMANO Mineral oil
- **Less noise**
  - » Avoid pad rattling noise, less noise during braking
    - 40% wider pad clearance, stability of pad clearance

Mechanical Disc Brakes



BR-M375

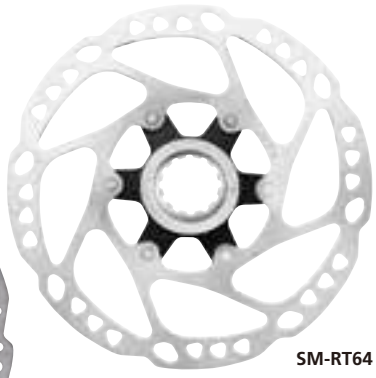


BR-M375

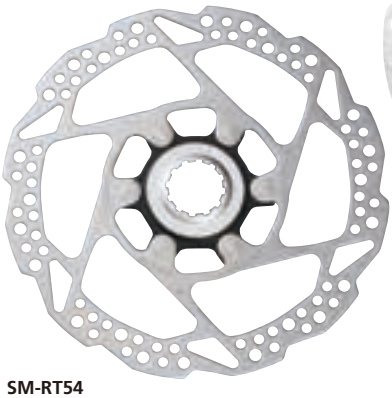
BR-M375
Disc Brake Caliper

- **Quick/fast assembly**
  - » Pad adjust tool size unified to 5mm allen key
- **Light braking operation for easy/long riding**
- **Clean cable routing in combination with both chain stay and seat stay mount**
- **Brake power same as BR-M416A**
- **20% pad clearance increase**
- **Color options: Black, Silver**

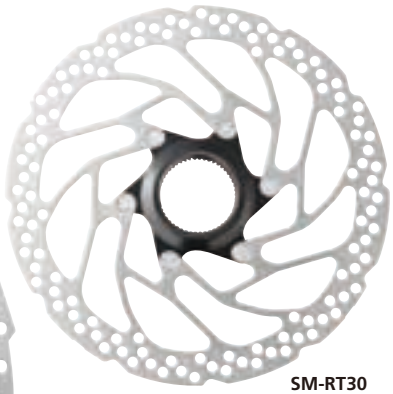
CENTER LOCK Disc Rotors



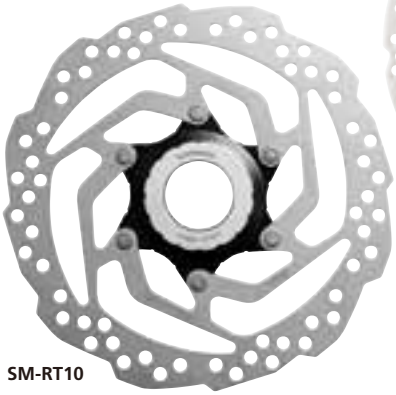
SM-RT64



SM-RT54



SM-RT30



SM-RT10

SM-RT64
CENTER LOCK Disc Rotor

- **CENTER LOCK rotor mount**
- **Metal pad compatible**
- **160mm, 180mm, 203mm**

SM-RT54
CENTER LOCK Disc Rotor

- **CENTER LOCK for quicker installation**
- **About 10% lighter than SM-RT53**
- **Designed for resin pad only**
- **160mm, 180mm**

SM-RT30
CENTER LOCK Disc Rotor

- **Easy set-up and adjustment**
- **Fast/quick assemble feature**
  » CENTER LOCK
- **Designed for resin pad only**
- **160mm, 180mm**

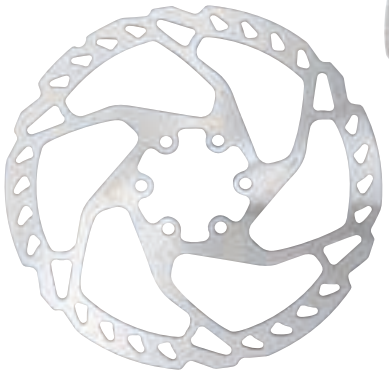
SM-RT10
CENTER LOCK Disc Rotor

- **New lock ring style**
  » Bigger diameter internal serration with external serration construction for multi tool compatibility (TL-FC36 and TL-LR11)
- **New installation tool TL-LR11**
- **Long lasting good braking performance**
  » Easy handling & operation for entry level riders
  » Fast and quick assemble feature
  ・CENTER LOCK
- **Size: 160, 180mm**

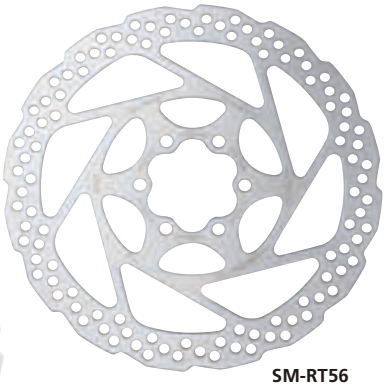
6-Bolt Disc Rotors



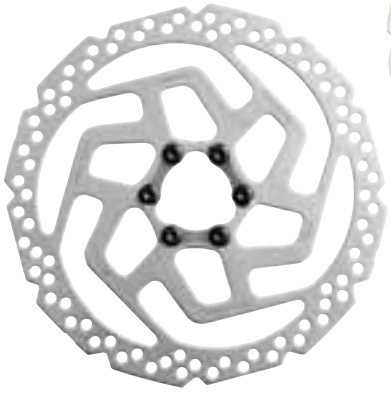
SM-RT76



SM-RT66



SM-RT56



SM-RT26

SM-RT76
6-bolt Disc Rotor

- **Metal pad compatible**
- **160mm, 180mm, 203mm**

SM-RT66
6-bolt Disc Rotor

- **Reliable and easy anti-loosen plate**
- **Metal pad compatible**
- **160mm, 180mm, 203mm**

SM-RT56
6-bolt Disc Rotor

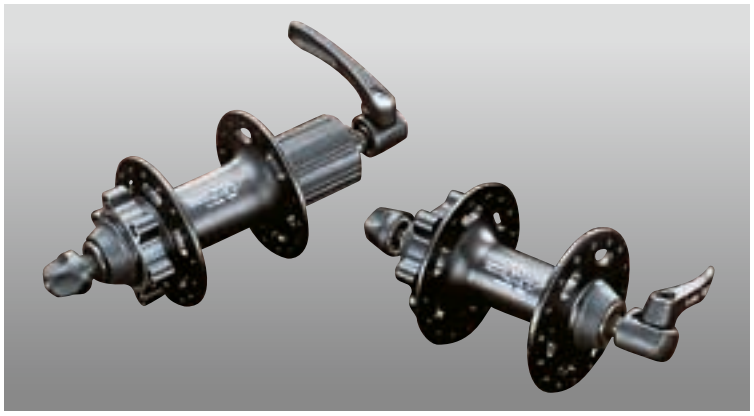
- **Quicker installation -New tightening plate construction for easy and quick set up**
- **Designed for resin pad only**
- **160mm, 180mm**

SM-RT26
6-bolt Disc Rotor

- **Reduced assembly time**
  » Anti-loosening washers for quick and secure assembly
- **Designed for resin pad only**
- **Size: 160, 180mm**

SHIMANO Series

6-Bolt Disc Rotor Mount



SHIMANO Deore XT

M750 series

HB-M756
Front Hub for Disc Brake

FH-M756
Rear FREEHUB for Disc Brake

- 9/8-speed compatible
- 6-bolt type
- Cup & Cone Bearing
- Color options: Black, Silver
- Weight: 426g



HB-M525A
Front Hub for Disc Brake

FH-M525A
Rear FREEHUB for Disc Brake

- 6-bolt disc rotor mount
- Double contact sealing
- Super polished bearing races
  - » Ultra-smooth bearing race surfaces provide a precision low-friction rolling action
- Light alloy quick release
- Quick release lever and adjusting nut are made from light alloy
- Cup & Cone Bearing
- Color options: Black, Silver



HB-M475
Front Hub for Disc Brake

FH-M475
Rear FREEHUB for Disc Brake

- 6-bolt disc rotor mount
- Contact sealing
- FREEHUB design
- Cup & Cone Bearing
- Color options: Black, Silver

CENTER LOCK Disc Rotor Mount

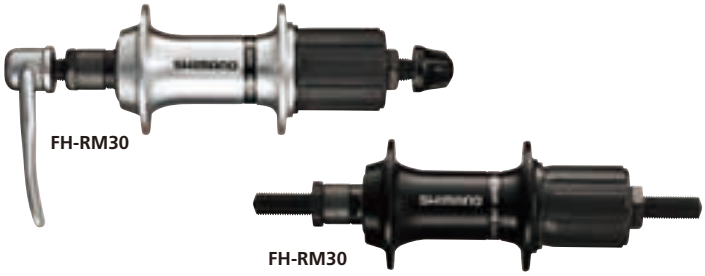


HB-RM35
Front Hub for Disc Brake

FH-RM35
Rear FREEHUB for Disc Brake

- Adjustable bearing system (Cup & Cone)
- Quick rotor assemble with CENTER LOCK

For Rim Brake



FH-RM30-7
Rear FREEHUB

- Quick release type and Nut type are available
- Cup & Cone Bearing
- Color options: Black, Silver

SHIMANO ALIVIO

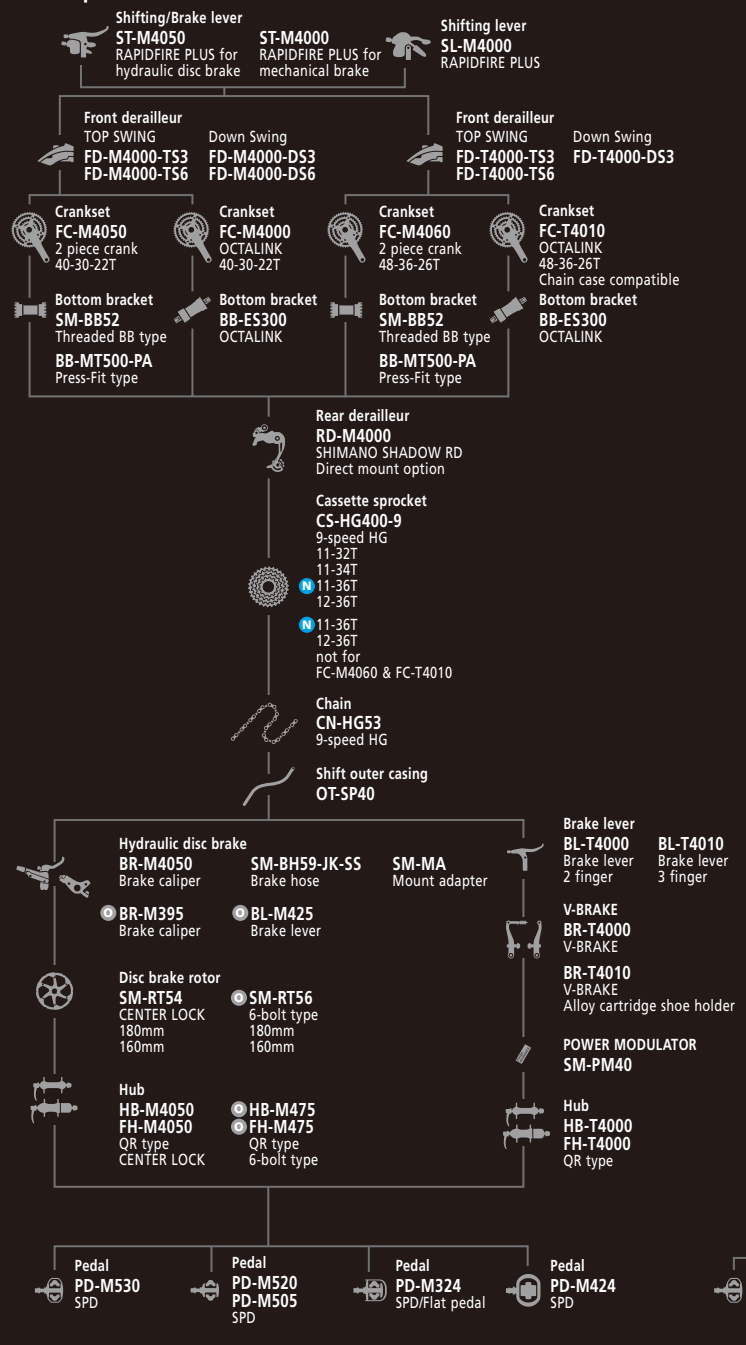
EXPERIENCE THE REAL MTB FLAVOR!

The ALIVIO group feature a full complement of advanced SHIMANO functions. Features like 9-speed, powerful V-BRAKE and disc brake systems, and RAPIDFIRE PLUS shifting make ALIVIO the trend-setting group for quality recreational mountain bikes.

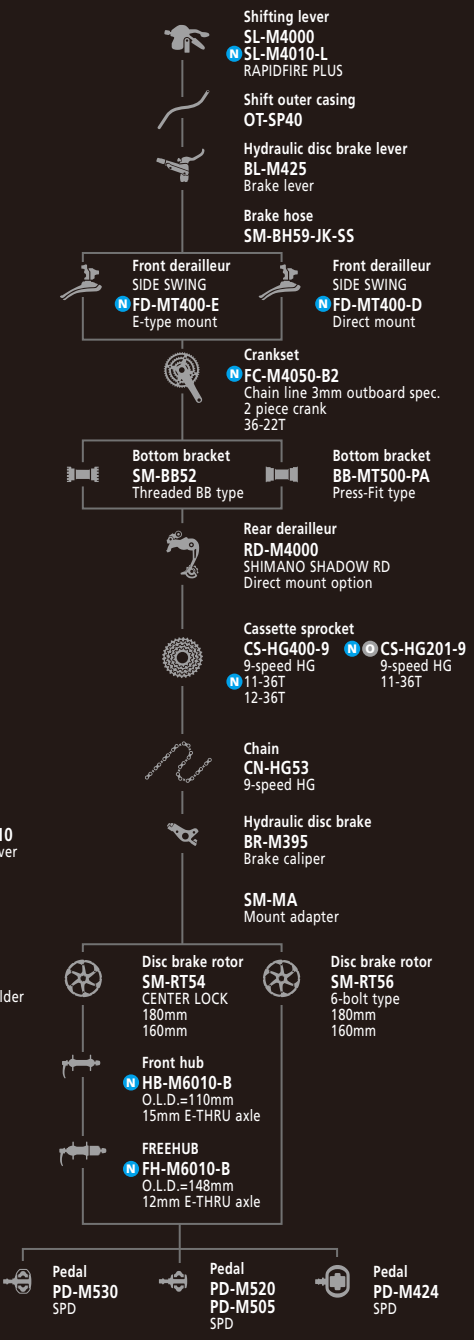
❖ MAJOR BENEFITS

- More maneuverability
- Less trouble by the lowest profile in 9-speed
- Clean, compact and integrated
- Give more maneuverability by a shorter chain stay length for bigger sized wheel bikes
- More rigidity and aggressive design to fit all wheel size MTBs
- Quick wheel installation/removal by extra B tension or direct mount rear derailleur spec
- Clean cable routing, compact design and integrated appearance by integration of Hydraulic brake lever and shift lever

❖ 3x9-speed



❖ 2x9-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO ALIVIO



SL-M4000



SL-M4000

Optical Gear Display

SL-M4000
RAPIDFIRE PLUS Shift Lever (3x9-speed)

- **Ergonomic 2-WAY RELEASE RAPIDFIRE PLUS shift lever**



SL-M4010

Optical Gear Display

NEW

SL-M4010
RAPIDFIRE PLUS Shifting Lever (2x9-speed)

- **Lighter operating force, and an ergonomic lever shape for long, stress-free rides**
  - » Compact design
  - » Clean design
    - Numbered OPTICAL GEAR DISPLAY
    - RAPIDFIRE PLUS
    - 2WAY-RELEASE
    - Slim main lever



ST-M4000

Optical Gear Display

ST-M4000
RAPIDFIRE PLUS Shift/Brake Lever Set (3x9-speed)

- **Optimized cable routing for clean appearance**
- **Ergonomic 2-WAY RELEASE RAPIDFIRE PLUS shift lever**
- **Bumper stopper for noiseless operation**
- **Alloy anodized lever**



FD-M4000-TS



FD-M4000-DS

FD-M4000-TS3/TS6
TOP SWING Front Derailleur (3x9-speed)

FD-M4000-DS3/DS6
Down Swing Front Derailleur (3x9-speed)

- **40-30-22T compatible only**
- **Additional tire clearance**
- **Wide Link for longer durability and precise shifting**
- **Quick/fast assemble feature**
- **HYPERDRIVE compatible**
- **Easy tool access for cable fixing**
- **Additional clearance between Allen key access point and chain stay (FD-M4000-TS)**



FC-M4050



SM-BB52

FC-M4050
Crankset (3x9-speed)

SM-BB52
Bottom Bracket

- **2-PIECE CRANKSET**
- **40-30-22T**
- **HYPERDRIVE SG-X chainrings**
- **With chain guard, without chain guard**
- **Better sealing performance (SM-BB52)**



FC-M4050-B2

NEW

FC-M4050-2
Crankset (2x9-speed)

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  - » 36-22T gear combination with 3 mm out board chainline fit for big/wide tire
    - 2-PIECE CRANKSET
    - HYPERDRIVE compatible
    - Replaceable chainring
  - » Keep the same q-factor as the current triple fit for MTB riding
- **Gear combination: 36-22T (FC-M4050-B2)**
- **Crank arm length: 170 mm, 175 mm (FC-M4050-B2)**



FC-M4060

SM-BB52

FC-M4060
Crankset (3x9-speed)

SM-BB52
Bottom Bracket

- **2-PIECE CRANKSET**
- **48-36-26T**
- **Use FD-T4000-TS/DS in combination with this crankset**
- **HYPERDRIVE SG-X chainrings**
- **With chain guard, without chain guard**
- **Better sealing performance (SM-BB52)**



FC-M4000

FC-M4000
OCTALINK Crankset (3x9-speed)

- **OCTALINK**
- **40-30-22T**
- **SHIMANO logo**
- **With chain guard, without chain guard**



BB-ES300

BB-ES300
OCTALINK Bottom Bracket

- **Stiff and lightweight for efficient power transfer**
  - » Durable spline reinforced construction
    - 8-splined OCTALINK interface increases the strength and rigidity of the entire assembly
  - » 26 g lighter weight than BB-ES25
- **Quick and precise assembly**
  - » Good chain line control with chain stabilizer



RD-M4000-SGS

RD-M4000-SGS
SHIMANO SHADOW RD (9-speed)

- **Super low profile concept with SHIMANO SHADOW RD technology for long term trouble free operation**
  - » Cable adjuster on SHIMANO SHADOW RD
- **B-tension spring for easy wheel installation**
- **Direct mount compatible**



CS-HG400-9

NEW

CS-HG400-9
HG Cassette Sprocket (9-speed)

- **Close gear steps between primary sprockets creates smooth, comfortable pedaling**
  - » 11-36T specification addition to 11-25T, 11-28T, 11-32T, 11-34T, 12-36T specs (11-25T, 11-28T not for RD-M4000/M3000)
- **HYPERGLIDE technology**
- **Lightweight design**
- **Quick and easy assembly with cassette sprocket cap**
- **Gear combination: 11-25T, 11-28T, 11-32T, 11-34T, 12-36T, 11-36T (New)**



CS-HG201-9

HG HYPERGLIDE

NEW

CS-HG201-9

HG Cassette Sprocket (9-speed)

- **Close gear steps between primary sprockets creates smooth, comfortable pedaling**
  - » Available in 11-32T, 11-34T and new 11-36T gear spec
  - » Quick and easy assembly with cassette sprocket cap
    - HYPERGLIDE technology
- **Ride proudly with a high-end appearance**
  - » SHIMANO logo on lowest sprocket
  - » Silver cassette sprocket option
    - Rust-resistant surface treatment



ST-M4050

MEGA LITE · I-SPEC RELEASE · Optical Gear Display



BR-M4050

ONE WAY BLEEDING

ST-M4050

RAPIDFIRE PLUS Shift/Hydraulic Disc Brake Lever Set (3x9-speed)

BR-M4050

Hydraulic Disc Brake Caliper

- **Integrated operation system for clean, compact and advanced appearance**
  - » RAPIDFIRE PLUS shift lever integrated with Hydraulic 2-finger brake lever
- **Easy set-up, better control and stable brake performance**
  - » 100% Brake power vs. BR-M447
- **Easy and clean bleeding**
  - » One Way Bleeding caliper
  - » Funnel bleeding
- **Alloy anodized lever**



HB-M4050

CENTER LOCK



HB-M4050

CENTER LOCK



FH-M4050

CENTER LOCK



FH-M4050

CENTER LOCK

HB-M4050

Front Hub for Disc Brake

FH-M4050

Rear FREEHUB for Disc Brake

- **Long durability with high quality mud prevention seal**
  - » Adjustable bearing system (Cup & Cone)
  - » Alloy quick release lever with steel housing
- **CENTER LOCK system for easy set up**
- **Color options: Black, Silver**

SHIMANO ACERA 9-speed

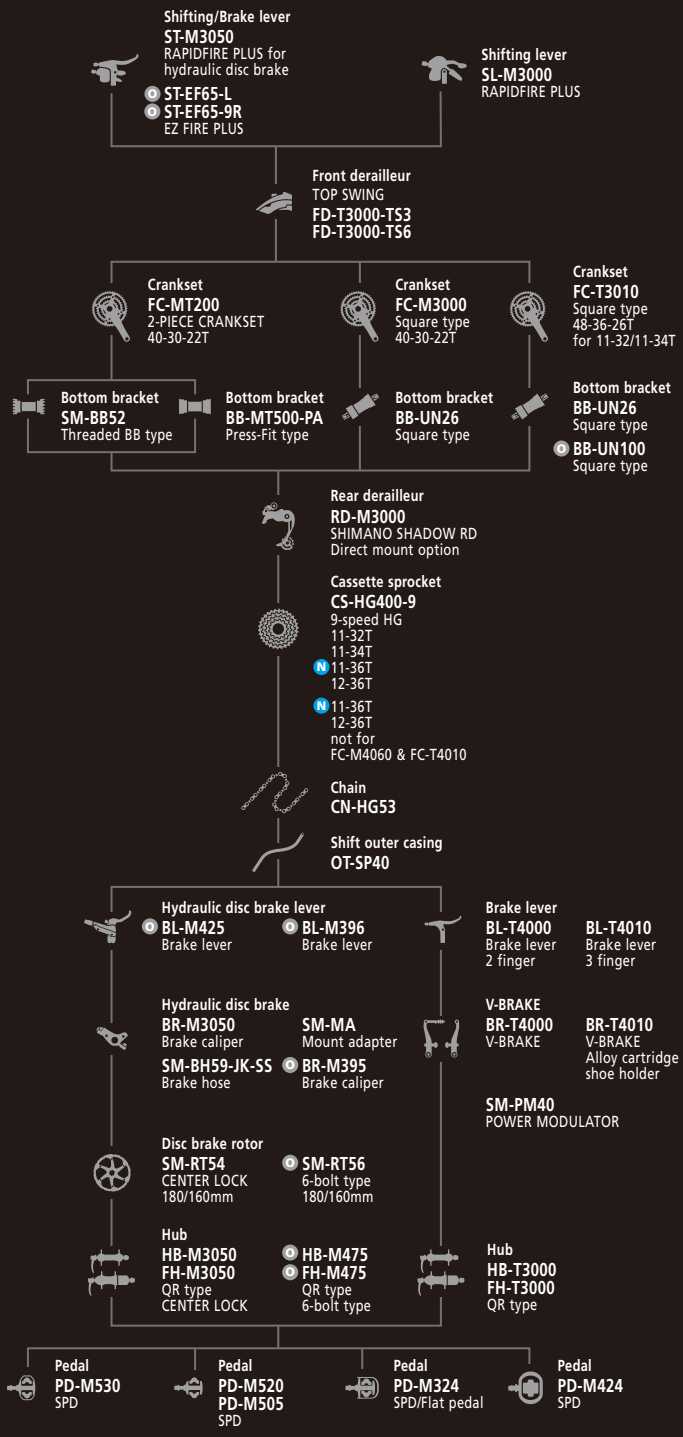
ADVENTURE AWAITS

Fresh: Aggressive crankset exterior and dedicated MTB features.
Exciting: Quick and easy shifts with great power transfer and solid braking performance.
Rugged: Tough anti-rust components that handle the rigors of teenager trail riding and continue to perform with minimal maintenance.

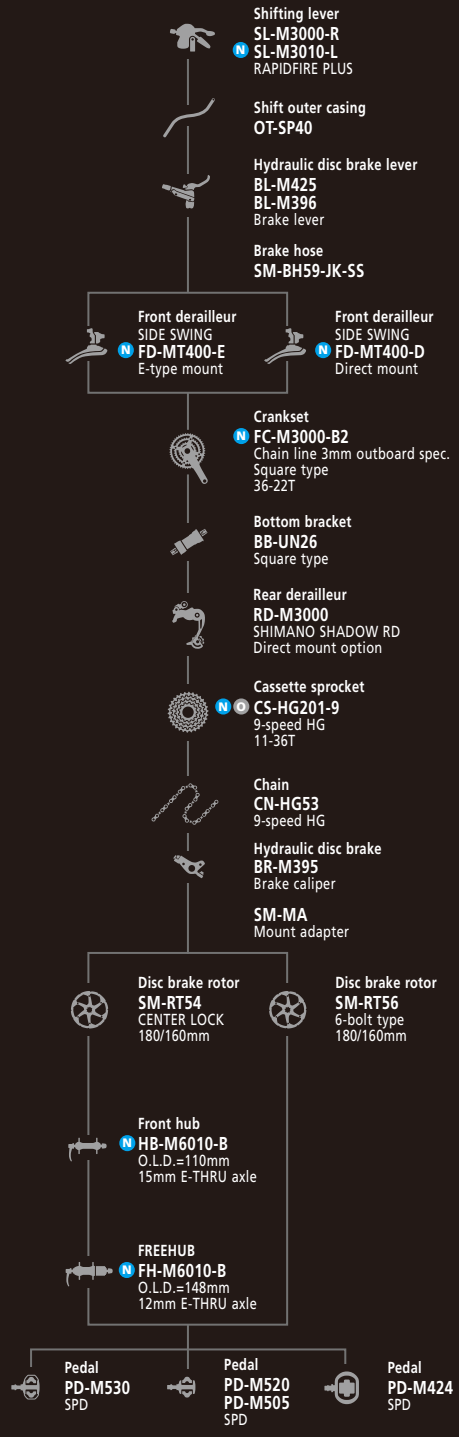
❖ MAJOR BENEFITS

- Enhanced maneuverability with MEGA 9 LITE
- Easy set-up, intuitive control and stable brake performance

❖ 3x9-speed



❖ 2x9-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SL-M3000

Optical Gear Display



SL-M3000

Optical Gear Display

SL-M3000

RAPIDFIRE PLUS Shift Lever (3x9-speed)

- **Improve the pleasure of your rides with levers that fuse ergonomics and aesthetics**
  - » Light operation force and ergonomic lever shape
    - RAPIDFIRE PLUS lever
    - Slim main lever
  - » Compact and easy to read OGD to see the gear position at a glance



SL-M3010

Optical Gear Display

NEW

SL-M3010

RAPIDFIRE PLUS Shifting Lever (2x9-speed)

- **Lighter operating force, and an ergonomic lever shape for long, stress-free rides**
  - » Compact design
  - » Clean design
    - Numbered OPTICAL GEAR DISPLAY
    - RAPIDFIRE PLUS
    - Slim main lever



FD-M3000

FD-M3000-TS3/TS6

TOP SWING Front Derailleur (3x9-speed)

- **Enhanced control for big wheel bikes**
  - » Special MEGA 9 LITE drivetrain combinations for 26inch, 27.5inch and 29er
  - » Wider tire clearance for 29er bike
    - More compact link design to achieve extra 9-10mm clearance
- **Dedicated MTB performance and appearance**
  - » System integrated performance for consistently smooth shifts
    - HYPERDRIVE
    - Wide link
  - » Anti-rust concept for long lasting satisfaction
    - Stainless steel adjustment bolts
- **Total capacity: 18T**



FC-M3000

FC-M3000

Crankset (3x9-speed)

- **Dedicated MTB performance and appearance**
  - » MEGA 9 LITE drivetrain for 26inch, 27.5inch, 29er rider
    - New 40-30-22T triple front compact gear combination
  - » Anti-rust concept
  - » Square type



FC-M3000-B2

NEW

FC-M3000-B2

Crankset (2x9-speed)

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  - » 36-22T gear combination with 3 mm out board chainline fit for big/wide tire
    - Square-type crankset
    - HYPERDRIVE compatible
    - Replaceable chainring
- **Keep the same q-factor as the current triple fit for MTB riding**
- **Gear combination: 36-22T**
- **Crank arm length: 170 mm, 175 mm**



RD-M3000-SGS

RD-M3000-SGS
SHIMANO SHADOW RD (9-speed)

- **Ride aggressively with fewer interruptions**
  - » SHIMANO SHADOW RD technology
    - Cable adjuster on SHIMANO SHADOW RD
    - Wide link for durability and precise shifting
- **Quick and easy wheel installation**
  - » B-tension spring or direct mount rear derailleur specification for easy wheel installation and removal
- **Look sharp with an dedicated MTB profile**
  - » SHIMANO SHADOW RD technology
  - » Anti-rust concept for long lasting satisfaction
    - Stainless steel adjustment bolts
- **Total capacity: 45T**



ST-M3050

Optical Gear Display

ST-M3050
RAPIDFIRE PLUS Shift/Hydraulic Disc Brake Lever Set (3x9-speed)

- **Command a clean and compact cockpit**
  - » Integrated design and stylish OGD
    - 2-finger brake lever member
  - » Anti-rust concept for long lasting satisfaction
    - Stainless steel adjustment bolts
  - » Clean cable routing (shifting / hydraulic hose)
    - Inline cable exit of BL and SL by integration
- **Easy and clean bleeding**
  - » ONE WAY BLEEDING caliper
  - » Funnel bleeding



BR-M3050

ONE WAY BLEEDING

BR-M3050
Hydraulic Disc Brake Caliper

- **Braking confidence with simple maintenance**
  - » Stable brake performance
    - Same brake power as BR-M447
  - » Clean and easy bleeding
    - One Way Bleeding caliper



HB-M3050

CENTER LOCK

HB-M3050
Front Hub for Disc Brake

FH-M3050
Rear FREEHUB for Disc Brake

- **Durable performance**
  - » Prevent mud intrusion
    - High quality seal
    - Adjustable bearing system (Cup & Cone)
  - » CENTER LOCK system for easy set up



FH-M3050

CENTER LOCK

SHIMANO ALTUS 9-speed

ENJOY STRESS FREE LONG RIDING

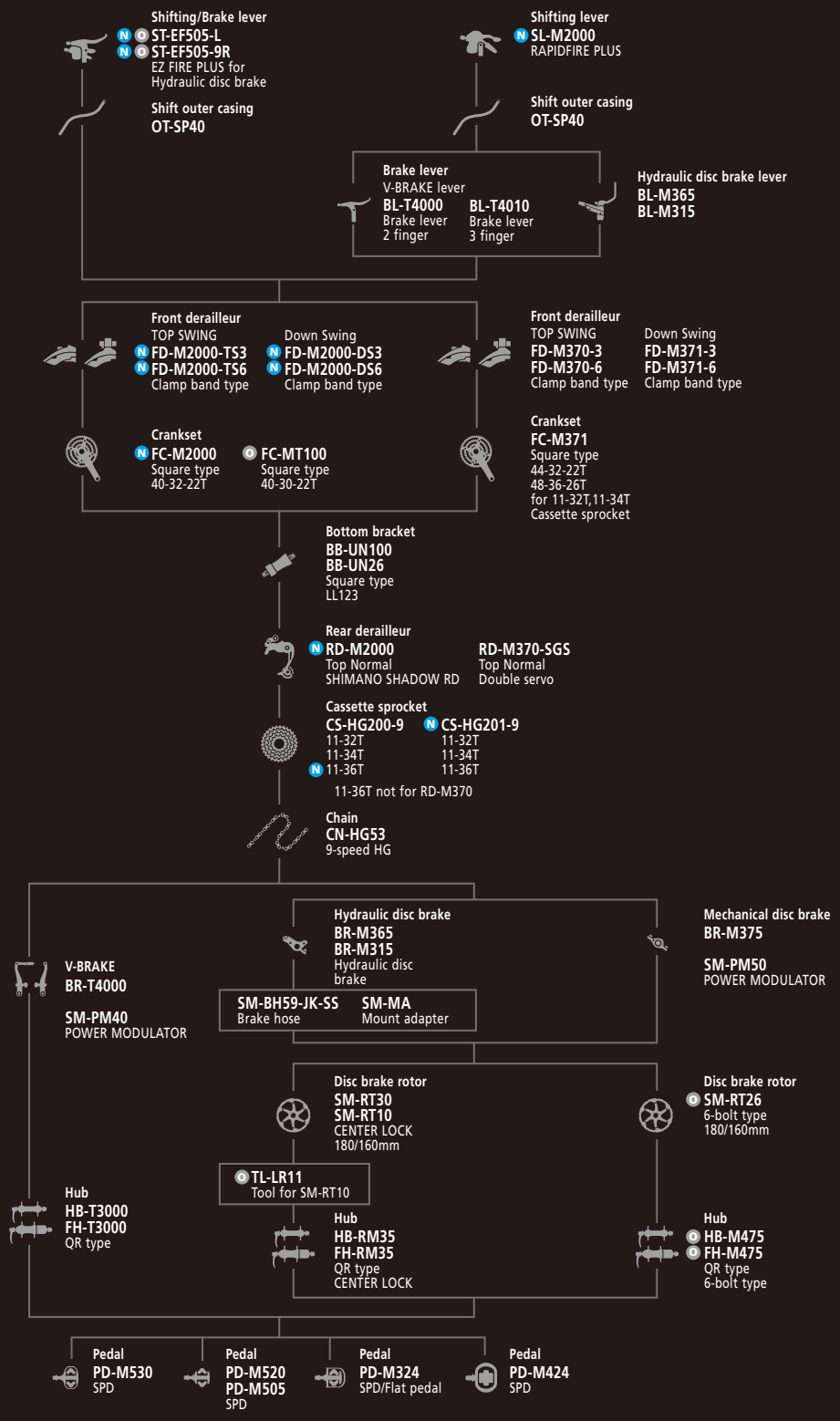
Control bike as you wish!

New ALTUS M2000 series will take over DNA of ALIVIO/ACERA MTB spec. and support first time off road experience. Come with various features to realize bike geometry for good maneuverability, stress free shifting/braking operation to control bike as you wish. The new ALTUS offer identity ownership with upgraded features/appearance.

❖ MAJOR BENEFITS

- Intuitive & exciting control for new MTBers
- Cool styling with advanced features

❖ 3x9-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



ST-EF505-L

Optical Gear Display



ST-EF505-9R

Optical Gear Display



SL-M2000

Optical Gear Display



SL-M2000

Optical Gear Display



FD-M2000-TS3



FD-M2000-TS6



FD-M2000-DS3



FD-M2000-DS6

NEW

ST-EF505-L

EZ FIRE PLUS Shifting/Brake Lever Set (Triple)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-Kit
  - » 3 finger alloy brake lever comfortable for ordinary riders
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS

NEW

ST-EF505-9

EZ FIRE PLUS Shift with Hydraulic Disc Brake (3x9-speed)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-kit
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS

NEW

SL-M2000

RAPIDFIRE PLUS Shifting Lever (3x9-speed)

- **Light shift response and ergonomic lever shape**
  - » Slim main lever body
    - RAPIDFIRE PLUS
  - » Lighter operating force and easier internal cable routing
    - MEGA 9 LITE
    - OPTISLICK steel cable
  - » Simplified cockpit area with new OPTICAL GEAR DISPLAY positioning below the handlebar
  - » Numbered OPTICAL GEAR DISPLAY shows gear position at a glance

NEW

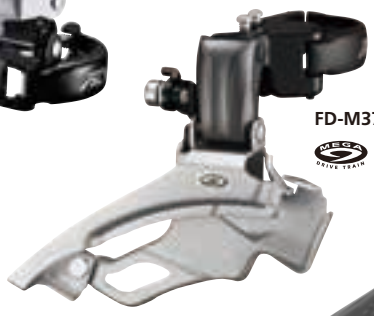
FD-M2000

Front Derailleur (3x9-speed)

- **Consistently lighter operating force with less maintenance**
  - » High-level surface treatment
    - HYPERDRIVE compatible
- **Quicker setup via improved tool access for inner link and high/low adjustment**
- **Improved tire clearance, especially for larger wheel bikes**
  - MEGA 9 LITE
- **Down Swing construction (FD-M2000-DS3)**
- **Down Swing construction (FD-M2000-DS6)**
- **TOP SWING construction (FD-M2000-TS3)**
- **TOP SWING construction (FD-M2000-TS6)**
- **Total capacity: 18T**



FD-M370



FD-M371

FD-M370-3/6
TOP SWING Front Derailleur (3x9-speed)

FD-M371-3/6
Down Swing Front Derailleur (3x9-speed)

- **Light operation force for stress free long riding**
  - » Wide Link design improves shifting response and service life
- **Improved clearance toward mud guard/tire**
- **Designed for 50mm chain line only**
- **Both 44T/48T top gear teeth compatible**
- **Dual pull/multi-clamp band**
- **Top capacity: 22T**
- **FD-M370 (TOP SWING), FD-M371 (Down Swing) to meet variety of frame design**
- **HYPERDRIVE compatible**



FC-M2000

NEW

FC-M2000
Crankset (3x9-speed)

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  - » Dedicated MTB appearance
    - MEGA 9 LITE
    - HYPERDRIVE compatible
    - Riveted chainring
  - » Large wheel bike gear combination
- **Gear combination: 40-30-22T**
- **Crank arm length: 165 mm, 170 mm, 175 mm**



FC-M371

FC-M371
Crankset (3x9-speed)

- **44-32-22T/48-36-26T**
- **HYPERDRIVE SG-X chainrings**
- **With Chain Guard, without Chain Guard**
- **Color options: Black, Silver**



FC-M371



BB-UN100

BB-UN100

Cartridge Bottom Bracket

- **Quick and precise assembly**
  - » Better chain line stability with chain line stabilizer for D-NL spec as well as LL123 spec
- **Superior quality and reliability at a great value**
  - » Cost competitive construction while maintaining SHIMANO quality and performance
- **Square type**



BB-UN26(-K)

BB-UN26 (-K)

Cartridge Bottom Bracket

- **Smooth rotation**
- **Square type**



RD-M2000

NEW

RD-M2000

SHIMANO SHADOW RD (9-speed)

- **Super low-profile concept with SHADOW mechanism**
  - ・ SHIMANO SHADOW RD
- **Wider linkage ensures durability and more precise shifting**
- **Quick and easy wheel installation**
  - » B tension spring for quick and easy wheel installation and removal
    - ・ MEGA 9 LITE
- **Easy adjustment and maintenance**
  - » Cable adjuster on SHIMANO SHADOW RD
- **High-level surface treatment**
- **Total capacity: 45T (RD-M2000-SGS)**



RD-M370-SGS

Double Servo

RD-M370-SGS

Rear Derailleur (9-speed)

- **Possible to select appropriate gear combination for stress free long riding**
- **MEGA 9 DRIVE TRAIN**
- **Smooth / light action shifting performance**
- **Low profile concept with Double Servo-panta technology**
- **Wide Link for durability and precise shifting**
- **Total capacity: 45T**
- **Color options: Black, Silver**



RD-M370-SGS

Double Servo

SHIMANO Acera / SHIMANO ALTUS 8-speed

ACERA component group is characterized by three keywords: accurate, precise and stylish.
This group provides accurate shifting with less pedaling power loss, strong braking power and excellent braking efficiency for precise speed control, and an exciting stylish design and slim profile.

❖ MAJOR BENEFITS

- Best value middle range MTB components
- HYPERDRIVE system for best front shifting

❖ 3x8-speed

Shifting/Brake lever
ST-EF65-L
ST-EF500-L
ST-EF510-L
ST-EF65-8R
ST-EF500-8R
ST-EF510-8R
EZ FIRE PLUS
N **ST-EF505-L**
N **ST-EF505-8R**
EZ FIRE PLUS for Hydraulic disc brake
O **ST-M310-L**
O **ST-M310-8R**
RAPIDFIRE PLUS

Shifting lever
SL-M360
RAPIDFIRE PLUS
O **SL-M310-L**
O **SL-M310-8R**
RAPIDFIRE PLUS
O **SL-RS47-L**
O **SL-RS47-8R**
O **SL-RS45-L**
O **SL-RS45-8R**
REVOSHIFT

Front derailleur
TOP SWING
FD-M410-E
E-type mount
CL: 50mm for 42-32-22T
*FD-M410-E requires special BB slots on the right hand of the BB shell. Refer technical information.

FD-M310
Clamp band type
CL: 47.5/50mm for 42-32-22T
48-38-28T

O **FD-TY700-TS3**
O **FD-TY700-TS6**
for 42-34-24T
CL: 47.5/50mm
O **FD-TY710-TS3**
O **FD-TY710-TS6**
for 48-38-28T
CL: 47.5/50mm

Front derailleur
Down Swing
FD-M313
Clamp band type
CL: 47.5/50mm for 42-32-22T
48-38-28T

Crankset
FC-M361
FC-M311
Square type
42-32-22/48-38-28T
SHIMANO logo/CL: 50mm
O **FC-TY701**
Square type
42-34-24/48-38-28T
CL: 47.5mm
O **FC-TY501**
Square type
42-34-24/48-38-28T
CL: 47.5mm

Bottom bracket
BB-UN100
BB-UN26
Square type

Rear derailleur
RD-M360-SGS
Top Normal
13/13T pulley
RD-M310
SMART CAGE

Cassette sprocket
CS-HG51-8
8-speed HG CS
11-28/11-30/11-32T
CS-HG41-8
8-speed HG CS
11-30/11-32/11-34T
CS-HG31-8
8-speed HG CS
11-30/11-32/11-34T

Chain
CN-HG71
8-speed HG
CN-HG40
8-speed HG

Shift outer casing
OT-SP40

Hydraulic disc brake lever
BL-M365
BL-M315
Brake lever

Brake lever
BL-T4000
Brake lever
2 finger
BL-T4010
Brake lever
3 finger

Hydraulic disc brake
BR-M365
BR-M315
Brake caliper

Mechanical disc brake
BR-M375
Brake caliper
SM-PM50
POWER MODULATOR
SM-MA
Mount adapter

V-BRAKE
BR-T4000
V-BRAKE
SM-PM40
POWER MODULATOR

SM-MA
Mount adapter

Disc brake rotor
SM-RT30
CENTER LOCK
180/160mm
O **SM-RT56**
6-bolt type
180/160mm

Front hub
HB-M3050
HB-RM35
QR type
CENTER LOCK
O **HB-M475**
QR type
6-bolt type

Hub
HB-T3000
FH-T3000
QR type

FREEHUB
FH-M3050
FH-RM35
QR type
CENTER LOCK
O **FH-M475**
QR type
6-bolt type

Hub dynamo
DH-C3000-3N-NT
DH-C3000-3N-QR
6V-3.0W
DH-C3000-2N-NT
DH-C3000-2N-QR
6V-2.4W
DH-C6000-1N
DH-C3000-1N
Nut type
6V-1.5W
StVZO approved
DH-T4050-1D
DH-T4000-1N
QR type
6V-1.5W
StVZO approved
for Japanese market
O **DH-2N40-JW**
Nut type

Light
O **LP-X100**
Front light
Below Basket Type
O **LP-X101**
Front light
Light stay type
O **LP-X101-H**
O **LP-X102-H**
Front light
Light stay type
w/ Reflector

Pedal
PD-M520
PD-M505
SPD
Pedal
PD-M324
SPD/Flat pedal
Pedal
PD-M424
SPD

❖ 3x7-speed

Shifting/Brake lever
ST-EF65-L
ST-EF65-7R
ST-EF500-L
ST-EF500-7R
ST-EF510-L
ST-EF510-7R
EZ FIRE PLUS

Shifting lever
SL-M310-L
SL-M310-7R
RAPIDFIRE PLUS
SL-RS47-L
SL-RS47-7R
SL-RS45-L
SL-RS45-7R
REVOSHIFT

Front derailleur
TOP SWING
FD-M310
FD-M313
for 42-32-22T/
48-38-28T
O **FD-TY700-TS3**
O **FD-TY700-TS6**
for 42-34-24T
CL: 47.5/50mm
O **FD-TY500-TS3**
O **FD-TY500-TS6**
for 42-34-24T
CL: 47.5/50mm
O **FD-TY710-TS3**
O **FD-TY710-TS6**
for 48-38-28T
CL: 47.5/50mm
O **FD-TY510-TS3**
O **FD-TY510-TS6**
for 48-38-28T
CL: 47.5/50mm

Cassette sprocket
CS-HG41-7
7-speed/11-28T
MF-TZ21
7-speed/14-28T
CS-HG200-7
7-speed/12-28/12-32T
MF-TZ21-CP
7-speed/14-28T
w/ Spoke protector
MF-HG37
7-speed/13-28T
MF-TZ31
7-speed/14-34T
MEGARANGE
MF-TZ31-CP
7-speed/14-34T
MEGARANGE
w/ Spoke protector

Chain
CN-HG40

Shift outer casing
OT-SP40

Brake lever
BL-T4000
Brake lever
2 finger
BL-T4010
Brake lever
3 finger

V-BRAKE
BR-T4000
V-BRAKE

POWER MODULATOR
SM-PM40

Hub
HB-TX500-QR
FH-RM30-7-QR

Hub
HB-TX500-NT
FH-RM30-7-NT

Hub dynamo
DH-C3000-3N-NT
DH-C3000-3N-QR
6V-3.0W
DH-C3000-2N-NT
DH-C3000-2N-QR
6V-2.4W
DH-C6000-1N
DH-C3000-1N
Nut type
6V-1.5W
StVZO approved
DH-T4000-1N
QR type
6V-1.5W
StVZO approved
for Japanese market
O **DH-2N40-JW**
Nut type

Light
O **LP-X100**
Front light
Below Basket Type
O **LP-X101**
Front light
Light stay type
O **LP-X101-H**
O **LP-X102-H**
Front light
Light stay type
w/ Reflector

N **New model**
O **Option**

>>> http://productinfo.shimano.com/lineupchart.html



ST-EF505-L

Optical Gear Display



ST-EF505-8R

Optical Gear Display

NEW

ST-EF505-L

EZ FIRE PLUS Shifting/Brake Lever Set (Triple)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-kit
  - » 3 finger alloy brake lever comfortable for ordinary riders
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS

NEW

ST-EF505-8

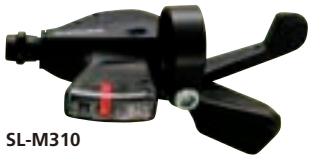
EZ FIRE PLUS Shift with Hydraulic Disc Brake (3x8-speed)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the M315-kit
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS



SL-M360

SiS INDEX DUAL SiS INDEX *Optical Gear Display*



SL-M310

SiS INDEX DUAL SiS INDEX *Optical Gear Display*

SL-M360

RAPIDFIRE PLUS Shift Lever (3x8-speed)

SL-M310

RAPIDFIRE PLUS Shift Lever (3x8/7-speed)

- **Smooth / light action shifting performance**
- **Ergonomic lever shape**
- **Easy to read OPTICAL GEAR DISPLAY to see the gear position at a glance**



ST-M310-8R2

Optical Gear Display

ST-M310-8R2

RAPIDFIRE PLUS Shift/Brake Lever set (8-speed)

ST-M310-L2

RAPIDFIRE PLUS Shift/Brake Lever set (Triple)

- **Best balance of shift lever and brake lever cable routing**
- **Pre-assembled clamp band fixing bolt**
- **Color options: Black, Silver**



FD-M410-E

HYPERDRIVE

FD-M410-E

TOP SWING Front Derailleur (3x8/7-speed) (BB mount)

- **HYPERDRIVE compatible (with 50mm chain line only)**
- **Wide Link design improves shifting response and service life**
- **Dual pull**
- **Compatible with 42T outer gear**
- **Total capacity: 20T**
- **Variations: FD-M410-E (63-69°)**



FD-M310

HYPERDRIVE

FD-M310-3/6

TOP SWING Front Derailleur (3x8/7-speed)

- **HYPERDRIVE compatible (with 50mm chain line only)**
- **Compatible with 42/48T Outer gear**
- **47.5/50mm chainline compatible**
- **Wide Link design improves shifting response and service life**
- **Modified chain guide tail shape for more tire clearance**
- **Variations: FD-M310-3 (63-66°)**
  FD-M310-6 (66-69°)



FD-M313

HYPERDRIVE

FD-M313-3/6

Down Swing Front Derailleur (3x8/7-speed)

- **Reliable and precise shifting performance with HYPERDRIVE technology**
  - » Wide Link for longer durability and precise shifting
  - » HYPERDRIVE compatible (with 50mm chain line only)
- **8-speed drivetrain**
- **Compatible with both 42T/48T**
- **Alloy rear clamp band**
- **Dual pull, multi clamp band**
- **Quick assembly**
  - » Angled clamp band design for easy clamp bolt installation



FC-M361

HYPERDRIVE

FC-M361

Crankset (3x8/7-speed)

FC-M311

Crankset (3x8/7-speed)

- **HYPERDRIVE SG-X chainrings**
- **Chain Guard integrated design**
- **Chainline: 50mm**
- **Replaceable chainrings (FC-M361)**
- **Chaincase compatible**
- **FC-M361: 42-32-22T, 48-38-28T**
- **Color options: Black (FC-M361)**
  Black, Silver (FC-M311)



BB-UN100

BB-UN100

Cartridge Bottom Bracket

- **Quick and precise assembly**
  - » Better chain line stability with chain line stabilizer for D-NL spec as well as LL123 spec
- **Superior quality and reliability at a great value**
  - » Cost competitive construction while maintaining SHIMANO quality and performance
- **Square type**



BB-UN26 (-K)

BB-UN26 (-K)

Cartridge Bottom Bracket

- **Smooth rotation**
- **Square type**



RD-M360-SGS

SIS INDEX Double Servo



RD-M310-Smart

SIS INDEX Double Servo

RD-M360-SGS
Top Normal Rear Derailleur (8/7-speed)

RD-M310-Smart
Top Normal Rear Derailleur (8/7-speed)

- **Wide Link design for more rigidity and precise shifting**
- **Advanced light action**
- **13/13T pulley (RD-M360)**
- **MegaPulley (RD-M310)**
  » Oversize 15-teeth tensioner and 13-teeth guide pulleys reduce noise and wear
- **SMART CAGE pulley plate (RD-M310)**
- **Total capacity: 43T**
- **Color options: Black, Silver**



CS-HG51-8

HG HYPERGLIDE

CS-HG51-8
HG Cassette Sprocket (8-speed)

- **HYPERGLIDE**
- **Quick assemble**
- **13T flat sprocket fixed with lower gears**
- **Lightweight**
  » Long leg spacer for further weight reduction
- **11-28T, 11-30T, 11-32T**



CS-HG41-8

HG HYPERGLIDE



CS-HG31-8

HG HYPERGLIDE

CS-HG41-8
HG Cassette Sprocket (8-speed)

CS-HG31-8
HG Cassette Sprocket (8-speed)

- **HYPERGLIDE**
- **Quick assemble**
- **13T flat sprocket fixed with lower gears**
- **Lightweight**
  » Enlarged sprocket window design for lighter weight
- **Variety of gear combinations: 11-30T, 11-32T, 11-34T**



CN-HG71

HG HYPERGLIDE

CN-HG71
HG Chain

- **HG chain for precise HYPERDRIVE SIS/DUAL SIS INDEX shifting**

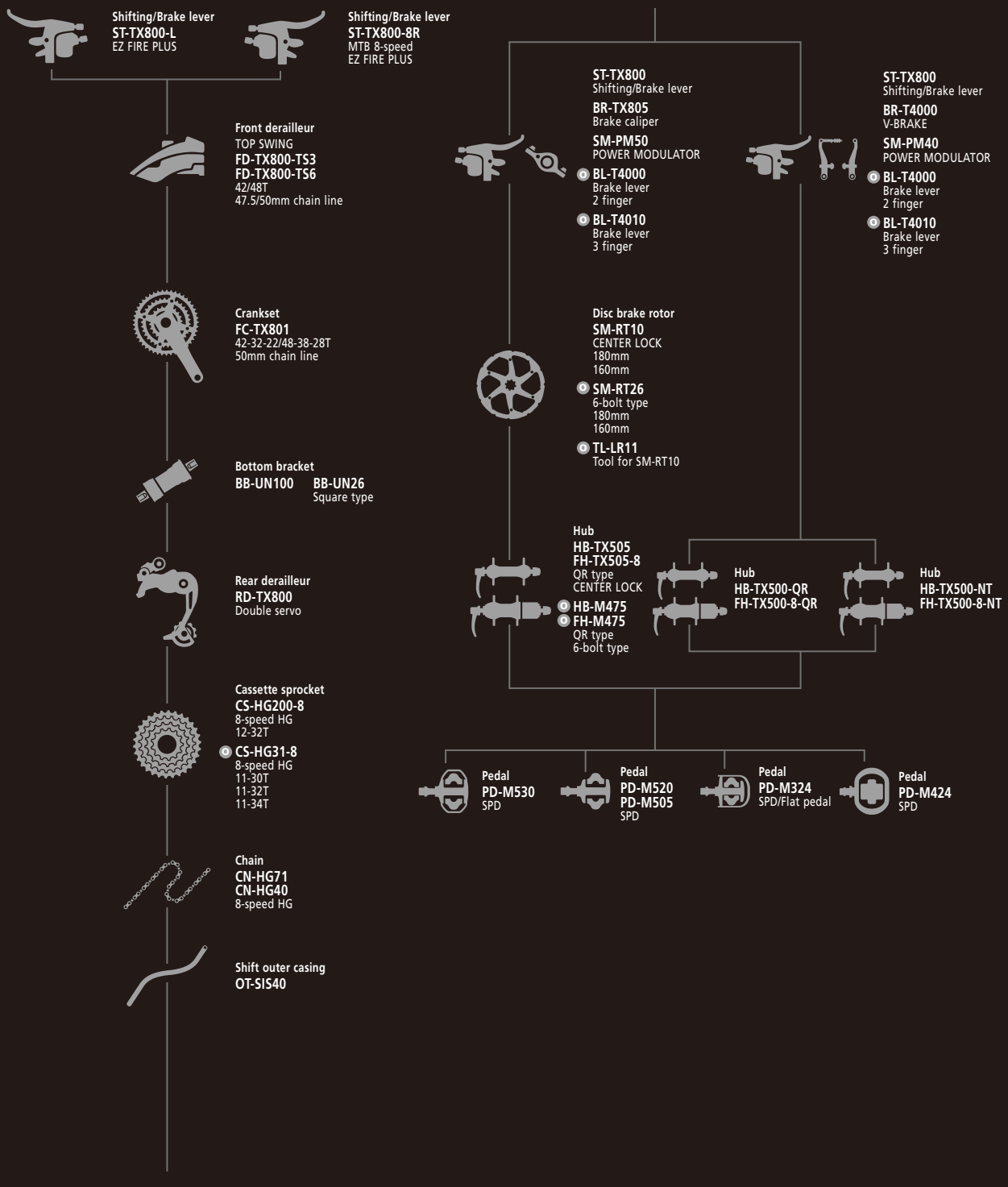
ESSENTIAL SPORT EXCITEMENT

TOURNEY TX is a basic component set for entry sports bikes and riders.
Ride free with your sports bike, and feel free, away from your daily life and enjoy the trouble free and stable performance for a long time.

❖ MAJOR BENEFITS

- Smooth/light/precise shifting performance with HYPERDRIVE technology
- Attractive, visible and intuitive OPTICAL GEAR DISPLAY with each number to confirm the gear position at a glance
- Wider pad clearance for easy set up and less chance of pad rubbing noise

❖ 3x8-speed



O Option

>>> http://productinfo.shimano.com/lineupchart.html



ST-TX800

SIS INDEX DUAL SIS INDEX Optical Gear Display



ST-TX800

SIS INDEX DUAL SIS INDEX Optical Gear Display

ST-TX800

EZ FIRE PLUS Shift/Brake Lever Set (3x8-speed)

- **Reliable brake performance with smooth, light action**
  » EZ FIRE PLUS Shifter with 2-finger brake lever member with nice ergonomics
- **Color options: Black, Silver**



FD-TX800

HYPERDRIVE

FD-TX800-TS3/TS6

TOP SWING Front Derailleur (3x8-speed)

- **8-speed drivetrain**
- **Precise shifting performance with HYPERDRIVE technology**
  » HYPERDRIVE compatible (with 50mm chain line only)
  Compatible with 42T/48T (FD-TX800-TS3/TS6)
- **Quick assembly**



FC-TX801

HYPERDRIVE



FC-TX801

HYPERDRIVE

FC-TX801

Crankset (3x8-speed)

- **8-speed drivetrain**
- **42-32-22T/48-38-28T**
- **Chain case compatible**
- **Chain line: 50mm**
- **Color options: Black, Silver**



BB-UN100



BB-UN26

BB-UN26 (LL123)

Cartridge Bottom Bracket

- **Smooth rotation**
- **Square type**

BB-UN100

Cartridge Bottom Bracket

- **Quick and precise assembly**
  » Better chain line stability with chain line stabilizer for D-NL spec as well as LL123 spec
- **Superior quality and reliability at a great value**
  » Cost competitive construction while maintaining SHIMANO quality and performance
- **Square type**



RD-TX800

SIS INDEX Double Servo



RD-TX800

SIS INDEX Double Servo

RD-TX800

Rear Derailleur (8-speed)

- **8-speed drive train**
- **Durable light action shifting performance for stress free riding**
  » Double Servo-panta mechanism
- **Quick assembly**
  » Allen key type inner cable fixing bolt
- **13T/13T pulley**
- **Total capacity 43T**
- **Color options: Black, Silver**



CS-HG200-8

HG HYPERGLIDE

CS-HG200-8

HG Cassette Sprocket (8-speed)

- **HYPERGLIDE technology**
- **8-speed (12-32T)**



BR-TX805

BR-TX805

Disc Brake Caliper

- **Reliable brake performance with smooth, light action**
  - » Wider pad clearance (+20% vs. BR-M416-A) for less opportunity of pad rubbing noise
- **Quick assembly**
  - » Clean cable routing in combination with both chain stay and seat stay mount
- **More affordable mechanical disc brake with CENTER LOCK system**
  - » Designed for resin pad only
  - » 160mm/180mm rotor size available



HB-TX505

CENTER LOCK

HB-TX505

Front Hub for Disc Brake

- **Efficient and comfortable riding**
  - » Smooth rotation with less drag
- **Quick and easy assembly**
  - » CENTER LOCK



FH-TX505-8

CENTER LOCK

FH-TX505-8

Rear FREEHUB for Disc Brake

- **Durable, long-lasting performance**
  - » Quality construction prevents axle bending
- **Quick and easy assembly**
  - » CENTER LOCK



HB-TX500

NEW

HB-TX500

Front Hub (100 mm O.L.D.)

- **Front hub and rear FREEHUB for rim-brake bikes**



FH-TX500-8

NEW

FH-TX500-8

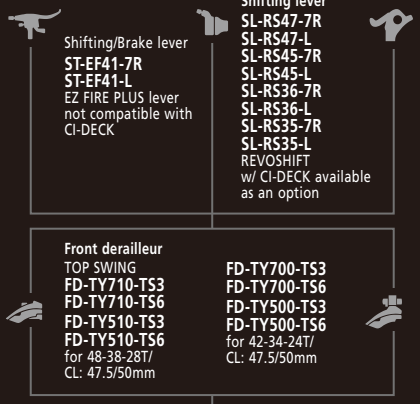
Rear FREEHUB (135 mm O.L.D.)

- **Front hub and rear FREEHUB for rim-brake bikes**

SHIMANO Tourney

3x7/6-speed

3x7-speed



Shifting/Brake lever
ST-EF41-7R
ST-EF41-L
EZ FIRE PLUS lever
not compatible with CI-DECK

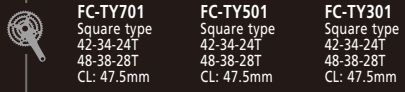
Shifting lever
SL-RS47-7R
SL-RS47-L
SL-RS45-7R
SL-RS45-L
SL-RS36-7R
SL-RS36-L
SL-RS35-7R
SL-RS35-L
REVOSHIFT
w/ CI-DECK available as an option

Shifting lever
SL-TX50-7R
SL-TX50-L
Thumb shifter Plus
not compatible with CI-DECK

Front derailleur
TOP SWING
FD-TY710-TS3
FD-TY710-TS6
FD-TY510-TS3
FD-TY510-TS6
for 48-38-28T/
CL: 47.5/50mm

FD-TY700-TS3
FD-TY700-TS6
FD-TY500-TS3
FD-TY500-TS6
for 42-34-24T/
CL: 47.5/50mm

Front derailleur
Down Swing
FD-TY300
for 42-34-24T



Crankset
FC-TY701
Square type
42-34-24T
48-38-28T
CL: 47.5mm

FC-TY501
Square type
42-34-24T
48-38-28T
CL: 47.5mm

FC-TY301
Square type
42-34-24T
48-38-28T
CL: 47.5mm

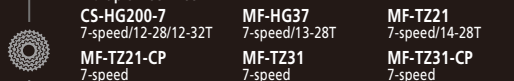


Bottom bracket
BB-UN100
BB-UN26
Square type



Rear derailleur
RD-TY500
for 7/6-speed
MEGARANGE
w/ wheel-type cable guide pulley

RD-TY300
for 7/6-speed
MEGARANGE



Cassette sprocket/ Multiple freewheel
CS-HG200-7
7-speed/12-28/12-32T

MF-HG37
7-speed/13-28T

MF-TZ21
7-speed/14-28T

MF-TZ21-CP
7-speed
14-28T
w/ Spoke protector

MF-TZ31
7-speed
14-34T
MEGARANGE

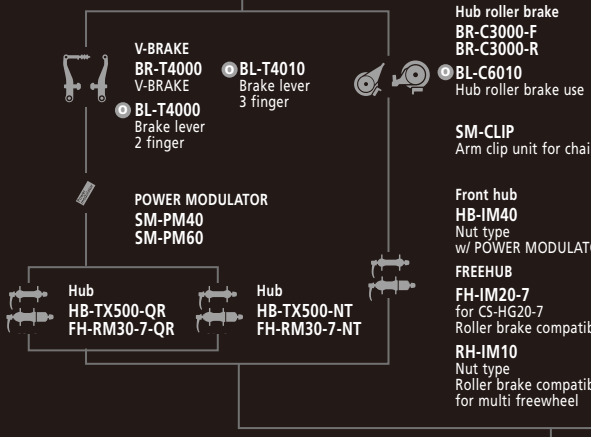
MF-TZ31-CP
7-speed
14-34T
MEGARANGE
w/ Spoke protector



Chain
CN-HG40



Shift outer casing
OT-SIS40



V-BRAKE
BR-T4000
V-BRAKE
O **BL-T4000**
Brake lever
2 finger
O **BL-T4010**
Brake lever
3 finger

Hub roller brake
BR-C3000-F
BR-C3000-R
O **BL-C6010**
Hub roller brake use

SM-CLIP
Arm clip unit for chainstay

POWER MODULATOR
SM-PM40
SM-PM60

Front hub
HB-IM40
Nut type
w/ POWER MODULATOR

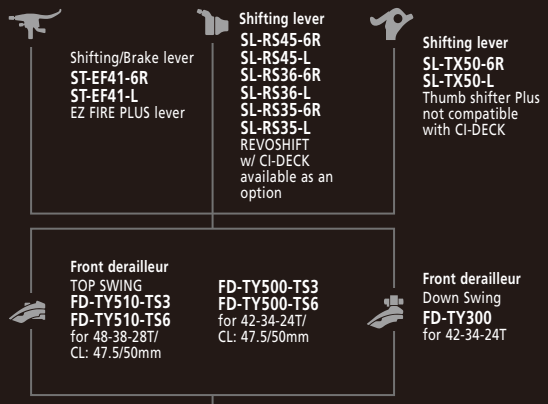
FREEHUB
FH-IM20-7
for CS-HG20-7
Roller brake compatible FREEHUB

RH-IM10
Nut type
Roller brake compatible rear hub for multi freewheel

Hub
HB-TX500-QR
FH-RM30-7-QR

Hub
HB-TX500-NT
FH-RM30-7-NT

3x6-speed



Shifting/Brake lever
ST-EF41-6R
ST-EF41-L
EZ FIRE PLUS lever

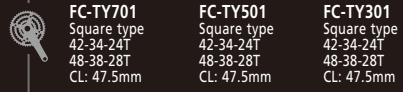
Shifting lever
SL-RS45-6R
SL-RS45-L
SL-RS36-6R
SL-RS36-L
SL-RS35-6R
SL-RS35-L
REVOSHIFT
w/ CI-DECK
available as an option

Shifting lever
SL-TX50-6R
SL-TX50-L
Thumb shifter Plus
not compatible with CI-DECK

Front derailleur
TOP SWING
FD-TY510-TS3
FD-TY510-TS6
for 48-38-28T/
CL: 47.5/50mm

FD-TY500-TS3
FD-TY500-TS6
for 42-34-24T/
CL: 47.5/50mm

Front derailleur
Down Swing
FD-TY300
for 42-34-24T



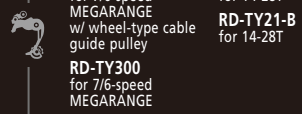
Crankset
FC-TY701
Square type
42-34-24T
48-38-28T
CL: 47.5mm

FC-TY501
Square type
42-34-24T
48-38-28T
CL: 47.5mm

FC-TY301
Square type
42-34-24T
48-38-28T
CL: 47.5mm



Bottom bracket
BB-UN100
BB-UN26
Square type

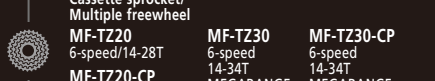


Rear derailleur
RD-TY500
for 7/6-speed
MEGARANGE
w/ wheel-type cable guide pulley

RD-TZ50
for 14-28T

RD-TY21-B
for 14-28T

RD-TY300
for 7/6-speed
MEGARANGE



Cassette sprocket/ Multiple freewheel
MF-TZ20
6-speed/14-28T

MF-TZ30
6-speed
14-34T
MEGARANGE

MF-TZ30-CP
6-speed
14-34T
MEGARANGE
w/ Spoke protector

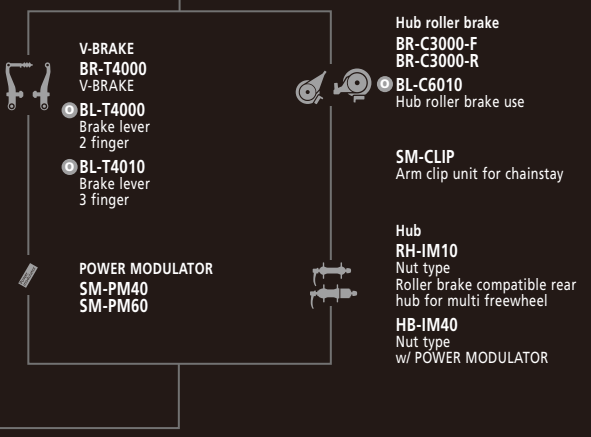
MF-TZ20-CP
6-speed/14-28T
w/ Spoke protector



Chain
CN-HG40



Shift outer casing
OT-SIS40



V-BRAKE
BR-T4000
V-BRAKE
O **BL-T4000**
Brake lever
2 finger
O **BL-T4010**
Brake lever
3 finger

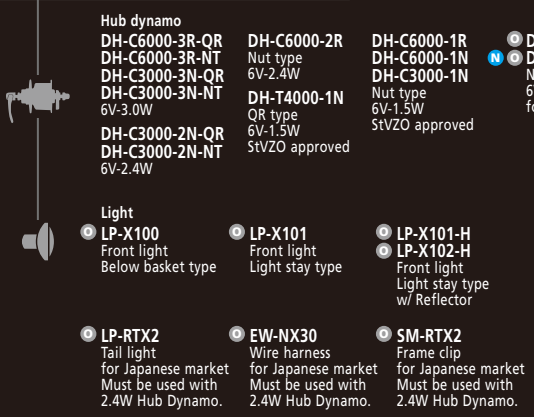
Hub roller brake
BR-C3000-F
BR-C3000-R
O **BL-C6010**
Hub roller brake use

SM-CLIP
Arm clip unit for chainstay

POWER MODULATOR
SM-PM40
SM-PM60

Hub
RH-IM10
Nut type
Roller brake compatible rear hub for multi freewheel

HB-IM40
Nut type
w/ POWER MODULATOR



Hub dynamo
DH-C6000-3R-QR
DH-C6000-3R-NT
DH-C3000-3N-QR
DH-C3000-3N-NT
6V-3.0W

DH-C6000-2R
Nut type
6V-2.4W

DH-T4000-1N
QR type
6V-1.5W
StVZO approved

DH-C6000-1R
DH-C6000-1N
DH-C3000-1N
Nut type
6V-1.5W
StVZO approved

O **DH-2N40-JW**
N O **DH-C3000-2R**
Nut type
6V-2.4W
for Japanese market

DH-C3000-2N-QR
DH-C3000-2N-NT
6V-2.4W

Light

O **LP-X100**
Front light
Below basket type

O **LP-X101**
Front light
Light stay type

O **LP-X101-H**
O **LP-X102-H**
Front light
Light stay type
w/ Reflector

O **LP-RTX2**
Tail light
for Japanese market
Must be used with 2.4W Hub Dynamo.

O **EW-NX30**
Wire harness
for Japanese market
Must be used with 2.4W Hub Dynamo.

O **SM-RTX2**
Frame clip
for Japanese market
Must be used with 2.4W Hub Dynamo.

N **New model**
O **Option**

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Tourney

1x7/6-speed

1x7-speed

Shifting lever
SL-RS47-7R
SL-RS45-7R
SL-RS36-7R
SL-RS35-7R

Shifting lever
not compatible with CI-DECK
SL-FT55-7R
for small wheel bike
Thumb shifter Plus
SL-TX50-7R
Thumb shifter Plus
SL-TX30-7R
Thumb shifter Plus
N SL-TZ500-7R
Thumb shifter

Rear derailleur
RD-TY500
for 7/6-speed
MEGARANGE
w/ wheel-type cable guide pulley
RD-TY300
for 7/6-speed
MEGARANGE

Cassette sprocket/ Multiple freewheel
CS-HG200-7
7-speed/12-28/12-32T
MF-HG37
7-speed/13-28T
N MF-TZ500-7
7-speed
14-28T
14-34T
N MF-TZ500-7-CP
7-speed
14-28T
14-34T
w/ Spoke protector

Chain
CN-HG40

Shift outer casing
OT-SIS40

V-BRAKE
BR-T4000
V-BRAKE

Hub roller brake
BR-C3000-F
BR-C3000-R

Hub roller brake
BR-IM35-F
BR-IM35-R

SM-CLIP
Arm clip unit for chainstay

POWER MODULATOR
SM-PM40
SM-PM60

Front hub
HB-IM40
Nut type
w/ POWER MODULATOR

Hub
HB-TX500-QR
FH-RM30-7-QR

Hub
HB-TX500-NT
FH-RM30-7-NT

FREEHUB
FH-IM20-7
Roller brake compatible FREEHUB for Cassette
RH-IM10
Nut type
Roller brake compatible rear hub for multi freewheel

Hub dynamo
DH-C6000-3R-QR
DH-C6000-3R-NT
DH-C3000-3N-QR
DH-C3000-3N-NT
6V-3.0W
DH-C3000-2N-QR
DH-C3000-2N-NT
6V-2.4W

DH-C6000-2R
Nut type
6V-2.4W
DH-T4000-1N
QR type
6V-1.5W
StVZO approved

DH-C6000-1R
DH-C6000-1N
DH-C3000-1N
Nut type
6V-1.5W
StVZO approved
O DH-2N40-JW
N O DH-C3000-2R
Nut type
6V-2.4W
for Japanese market

Light
O LP-X100
Front light
Below Basket Type
O LP-X101
Front light
Light stay type

O LP-X101-H
O LP-X102-H
Front light
Light stay type
w/ Reflector

O LP-RTX2
Tail light
O EW-NX30
Wire harness
O SM-RTX2
Frame clip
for Japanese market
Must be used with 2.4W Hub Dynamo.

O SM-RS34-L
Position LED light
for Japanese market
Must be used with 2.4W Hub Dynamo.

CI-DECK
N SM-CI300
Bracket (3 hole)
N SM-CI301
Cowling

N SC-CI300
Speed meter
N ID-CI400
Analog compass

N ID-CI300-7R
Gear Indicator, for 7 speed
N ID-CI300-LC
Accessory cover

1x6-speed

Shifting lever
SL-RS45-6R
SL-RS36-6R
SL-RS35-6R
w/ CI-DECK available as an option
O SL-RS34-6R
O SM-RS34-L
w/ position LED light
O EW-NX30
Wire harness
for Japanese market
Must be used with 2.4W Hub Dynamo.

Shifting lever
not compatible with CI-DECK
SL-TX50-6R
SL-TX30-6R
Thumb shifter Plus
N SL-TZ500-6R
Thumb shifter

Rear derailleur
RD-TY500
for 7/6-speed
MEGARANGE
w/ wheel-type cable guide pulley
RD-TY300
for 7/6-speed
MEGARANGE
RD-TY21-B
for 14-28T/6-speed MF
N RD-TZ500-GS
for 14-28T/6-speed MF

Cassette sprocket/ Multiple freewheel
N MF-TZ500-6
6-speed/14-28T
N MF-TZ500-6-CP
6-speed/14-28T
w/ Spoke protector

Chain
CN-HG40

Shift outer casing
OT-SIS40

V-BRAKE
BR-T4000
V-BRAKE

Hub roller brake
BR-C3000-F
BR-C3000-R

SM-CLIP
Arm clip unit for chainstay

POWER MODULATOR
SM-PM40
SM-PM60

Hub
RH-IM10
Nut type
Roller brake compatible rear hub for multi freewheel
HB-IM40
Nut type
w/ POWER MODULATOR

Hub dynamo
DH-C6000-3R-QR
DH-C6000-3R-NT
DH-C3000-3N-QR
DH-C3000-3N-NT
6V-3.0W
DH-C3000-2N-QR
DH-C3000-2N-NT
6V-2.4W

DH-C6000-2R
Nut type
6V-2.4W
DH-T4000-1N
QR type
6V-1.5W
StVZO approved

DH-C6000-1R
DH-C6000-1N
DH-C3000-1N
Nut type
6V-1.5W
StVZO approved
O DH-2N40-JW
N O DH-C3000-2R
Nut type
6V-2.4W
for Japanese market

Light
O LP-X100
Front light
Below Basket Type
O LP-X101
Front light
Light stay type

O LP-X101-H
O LP-X102-H
Front light
Light stay type
w/ Reflector

O LP-RTX2
Tail light
O EW-NX30
Wire harness
O SM-RTX2
Frame clip
for Japanese market
Must be used with 2.4W Hub Dynamo.

O SM-RS34-L
Position LED light
for Japanese market
Must be used with 2.4W Hub Dynamo.

CI-DECK
N SM-CI300
Bracket (3 hole)
N SM-CI301
Cowling

N SC-CI300
Speed meter
N ID-CI400
Analog compass

N ID-CI300-6R
Gear Indicator, for 6 speed
N ID-CI300-LC
Accessory cover

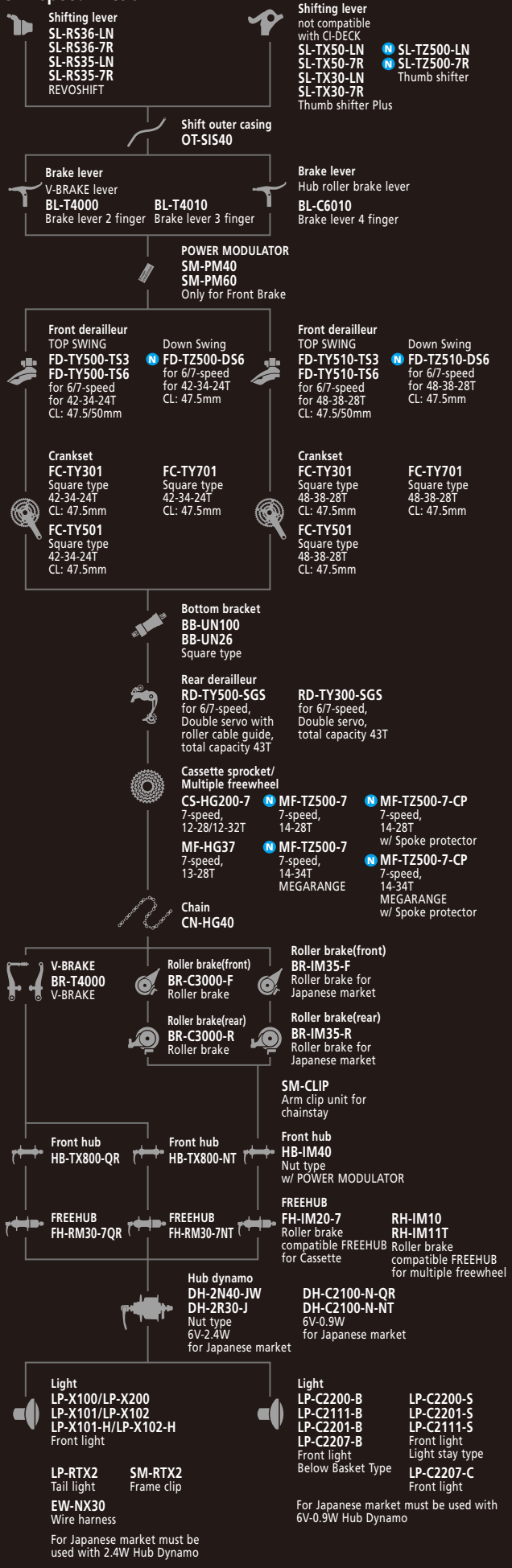
N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

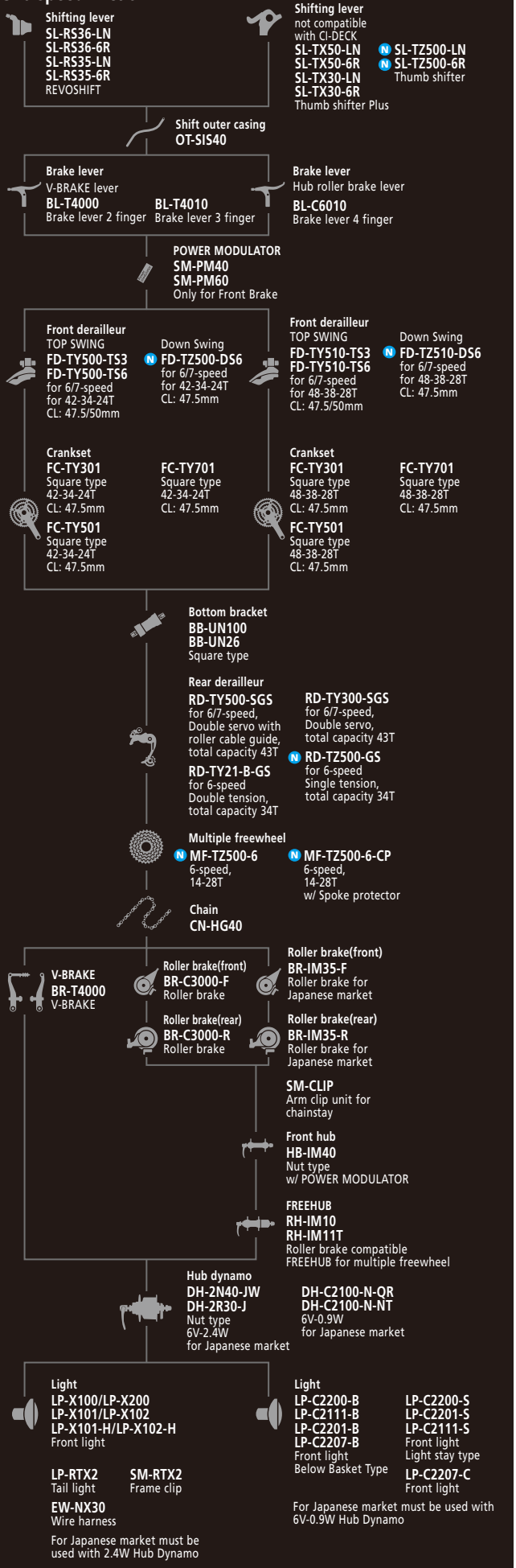
SHIMANO Tourney TZ

❖ 3x7/6-speed friction

3x7-speed friction



3x6-speed friction



N New model

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Tourney



FD-TY710

DUAL SIS INDEX

Index 48-38-28T compatible

FD-TY710-TS3/TS6

TOP SWING Front Derailleur (3x8/7-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - DUAL SIS
- **Versatile performance and wide compatibility**
  - » Improved tire clearance-especially for bigger tire
  - » One spec for versatile usage
    - Dual-pull/multi-clamp band
  - » Lighter weight
    - Resin clamp band adapter
- **Quick and easy assembly**
  - » Improved tool access for inner link
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 20T**



FD-TY700-TS6

DUAL SIS INDEX

Index 42-34-24T compatible

FD-TY700-TS3/TS6

TOP SWING Front Derailleur (3x8/7-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - DUAL SIS
- **Versatile performance and wide compatibility**
  - » Improved tire clearance-especially for 29er bike
  - » One spec for versatile usage
    - Dual-pull/multi-clamp band
  - » Lighter weight
    - Resin clamp band adapter
- **Quick and easy assembly**
  - » Improved tool access for inner link
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 18T**



FD-TY510

DUAL SIS INDEX

Index 48-38-28T compatible

FD-TY510-TS3/TS6

TOP SWING Front Derailleur (3x7/6-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - DUAL SIS
- **Versatile performance and wide compatibility**
  - » Improved tire clearance-especially for bigger tire
  - » One spec for versatile usage
    - Dual-pull/multi-clamp band
  - » Lighter weight
    - Resin clamp band adapter
- **Quick and easy assembly**
  - » Improved tool access for inner link
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 20T**



FD-TY500-TS6

DUAL SIS INDEX

Index 42-34-24T compatible

FD-TY500-TS3/TS6

TOP SWING Front Derailleur (3x7/6-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - DUAL SIS
- **Versatile performance and wide compatibility**
  - » Improved tire clearance-especially for bigger tire
  - » One spec for versatile usage
    - Dual-pull/multi-clamp band
  - » Lighter weight
    - Resin clamp band adapter
- **Quick and easy assembly**
  - » Improved tool access for inner link
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 18T**



FD-TY300-DS6

DUAL SIS INDEX

Index 42-34-24T compatible

FD-TY300-DS6

Down Swing Front Derailleur (3x7/6-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - DUAL SIS
  - » Most affordable DUAL SIS compatible front derailleur
- **Chain stay angle: 66-69°**
- **Total capacity: 18T**



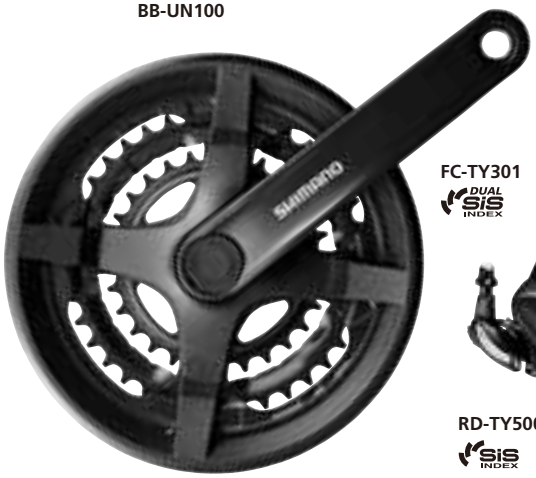


















FC-TY701
Crankset (3x8/7/6-speed)

BB-UN100
Cartridge Bottom Bracket

- **Smooth, light and reliable shifting performance**
  - » Precision indexed SIS shifting
    - DUAL SIS
- **Design options to match a wide range of frames**
  - » 4 color combinations available
- **Versatile performance and wide compatibility**
  - » 8/7/6-speed compatible
  - » Attractive crank arm fixing bolt
  - » Chain guard separated
- **Dedicated MTB exterior for a more sporty appearance**
  - » Clean edges and contoured crank arm design
    - 3 crank length specification available
- **Quick and precise assembly**
  - » Precise chain line control
- **Gear combination: 42-34-24T, 48-38-28T**

FC-TY501
Crankset (3x8/7/6-speed)

BB-UN100
Cartridge Bottom Bracket

- **Smooth, light and reliable shifting performance**
  - » Precision indexed SIS shifting
    - DUAL SIS
- **Versatile performance and wide compatibility**
  - » 3 crank length specification available
  - » 8/7/6-speed compatible
  - » Attractive crank arm fixing bolt available as option
- **Quick and precise assembly**
  - » Precise chain line control
- **Gear combination: 42-34-24T, 48-38-28T**

FC-TY301
Crankset (3x8/7/6-speed)

- **Light and reliable shifting**
  - » Precision indexed shifting
    - DUAL SIS
- **Versatile performance**
- **Wide compatibility with multiple components**
  - » 8/7/6-speed compatible
  - » 2 crank length specs are available
- **Quick and precise assembly**
- **Crank arm length: 170, 175mm**
- **Gear combination: 42-34-24T, 48-38-28T**

RD-TY500
Rear Derailleur (7/6-speed)

- **Smooth, light and reliable shifting performance**
  - » Light action shifting for stress-free long riding
    - Double servo-panta mechanism
  - » Lighter shifting operation and reduced outer cable head distortion
    - wheel-type cable guide pulley
- **Quick and easy assembly**
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 43T**

RD-TY300
Rear Derailleur (7/6-speed)

- **Smooth and confident shifting**
  - » Light action shifting for stress-free long riding
    - Double servo-panta mechanism
- **Quick and easy assembly**
  - » Pre-assembled inner cable fixing nut
- **Total capacity: 43T**

CS-HG200-7
Cassette Sprocket (7-speed)

- **Smooth, light and reliable shifting performance**
  - » Reliable shifting performance
    - HYPERGLIDE
  - » Rust-resistant surface treatment and upgraded appearance vs. CS-HG20-7
- **Gear combination: 12-28T, 12-32T**

DUAL SIS Shift Lever



ST-EF41

SIS INDEX Optical Gear Display

ST-EF41-7R/6R/L

EZ FIRE Plus Shift/Brake Lever Set (3x7/6-speed)

- **Durable light action shifting performance for stress free riding**
  - » 2-finger brake lever member with good ergonomics Attractive, easy to read and intuitive OPTICAL GEAR DISPLAY with each number to see the gear position at a glance
- **Updated design to match current bike style**
  - » Compatible brake type: V-BRAKE, mechanical disc brake (MTB)



SL-TX50-L

DUAL SIS INDEX Optical Gear Display

SL-TX50-7R

SIS INDEX Optical Gear Display

SL-TX50-7R/6R/L

Thumb Shifter Plus (3x7/6-speed)

- **OPTICAL GEAR DISPLAY**
  - » Every TOURNEY shifter features the OPTICAL GEAR DISPLAY for convenient gear position verification at a glance
- **Intuitive/easy operation (additional operation method for entry level riders)**
- **Window type OPTICAL GEAR DISPLAY for at-a-glance gear position indication**



SL-RS47-8R

SIS INDEX

SL-RS47-8R/7R/L

REVOSHIFT Shifter (3x8/7-speed)

SL-RS45-8R/7R/6R/L

REVOSHIFT Shifter (3x8/7/6-speed)

- **Planetary gears for light operation**
- **Easy to understand REVOSHIFT Shifter operation especially for entry rider**
- **See the gear position at a glance with OPTICAL GEAR DISPLAY**



SL-RS45-7R

SIS INDEX



SL-RS36-6R

SIS INDEX

SL-RS36-7R/6R/L

REVOSHIFT Shifter (3x7/6-speed)

- **Planetary gears for light operation**
- **Optimized grip diameter/light shifting operation suitable for small hand riders (around 25% lighter operation vs. SL-RS35)**
- **7 or 6-speed Easy Gear Changing with REVOSHIFT Shifter**
- **OPTICAL GEAR DISPLAY**
- **CI-DECK gear indicator compatible**
- **Right: 7/6-speed, Left: Friction/SIS**



SL-RS35-L

DUAL SIS INDEX

SL-RS35-7R/6R/L

REVOSHIFT Shifter (3x7/6-speed)

- **Easy gear changing with REVOSHIFT Shifter**
- **OPTICAL GEAR DISPLAY**
  - » Every TOURNEY shifter features the OPTICAL GEAR DISPLAY for convenient gear position verification at a glance
- **CI-DECK gear indicator compatible**

Rear SIS Shift Lever



SL-TX50-LN



SL-FT55-7R



SL-TX30-7R



SL-TX30-LN



SL-TX30-6R

SL-TX50-7R/6R/LN
Thumb Shifter Plus (3x7/6-speed) (left Shifter is non-SIS)

SL-FT55-7R
Thumb Shifter Plus (7-speed)

- **Optical Gear Display**
  - » Every TOURNEY shifter features the Optical Gear Display for convenient gear position verification at a glance
- **Intuitive/easy operation (additional operation method for entry level riders)**
- **Chrome plate upper cover (SL-FT55-7R)**
- **Window type Optical Gear Display for at-a-glance gear position indication**

SL-TX30-7R/6R/LN
Thumb Shifter Plus (3x7/6-speed) (left Shifter is non-SIS)

SL-RS36-7R/6R
REVOSHIFT Shifter (3x7/6-speed) (left Shifter is non-SIS)

SL-RS35-7R/6R/LN
REVOSHIFT Shifter (3x7/6-speed) (left Shifter is non-SIS)



RD-TY21-B-SS



RD-TY21-B-GS

RD-TY21-B-SS/GS
Rear Derailleur (6-speed)

- **6-speed SIS rear index shifting**
- **GS/SS version, direct attachment, with bracket spec available for standard/reversed drop out**
- **Double tension construction**
- **11T Pulley: long service life and less noise**
- **Total capacity: 28T(SS), 34T(GS)**
- **Color options: Black, Silver**



CN-HG40

CN-HG40
HG Chain

- **HG chain for precise HYPERDRIVE SIS/DUAL SIS index shifting**



HB-IM40

HB-IM40
Front Hub

- **Roller Brake (BR-IM35-FF) compatible front hub for 26" wheel or larger**
- **Braking POWER MODULATOR system**
  - » Roller Brake compatible front hub features a built-in braking POWER MODULATOR that prevents excess brake pressure



RH-IM10

RH-IM10/IM11
Steel Rear Hub

- **Roller Brake (BR-IM35-FF) compatible rear hub for multi-speed**
- **O.L.D.: 132.7mm (6-speed), 134.7mm (7-speed)**



SL-TZ500-7R



SL-TZ500-6R



SL-TZ500-LN

NEW

SL-TZ500

Thumb Shifter (3x7/6-speed)

- New gear position indicator shows shift position at a glance
- Ergonomic lever shape
- Easy assembly feature
- 7-speed SIS rear index shifting system (SL-TZ500-7R)
- 6-speed SIS rear index shifting system (SL-TZ500-6R)
- Non-SIS rear shifting system (SL-TZ500-LN)

NEW

FD-TZ500-DS6

Front Derailleur

- Down Swing
- 42-34-22T
- Top pull/down pull
- Easy assembly feature



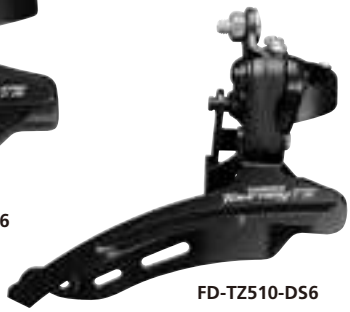
FD-TZ500-DS6

NEW

FD-TZ510-DS6

Front Derailleur

- Down Swing
- 48-38-28T
- Top pull/down pull
- Improved shifting performance
- Easy assembly feature



FD-TZ510-DS6

NEW

RD-TZ500

Rear Derailleur (6-speed)

- 6-speed
- Direct attachment, with bracket spec
- 28T max
- SIS
- Easy assembly feature



RD-TZ500-GS

MF-HG37

Multiple Freewheel

NEW

MF-TZ500-7

Multiple Freewheel (3x7-speed)

- Lightweight construction
- Easy assembly feature
- Attractive image with spoke protector (MF-TZ500-7-CP)
  - MEGARANGE 14-34T (MF-TZ500-7-CP)
- Gear combination: 14-28T, 14-34T (MF-TZ500-7, MF-TZ500-7-CP)



MF-TZ500-7
MEGARANGE



MF-TZ500-7-CP
Back View



MF-TZ500-7-CP
Front View
MEGARANGE

NEW

MF-TZ500-6

Multiple Freewheel (3x6-speed)

- Attractive image with spoke protector (MF-TZ500-6-CP)
- Lightweight construction
- Easy assembly feature
- Gear combination: 14-28T (MF-TZ500-6, MF-TZ500-6-CP)



MF-TZ500-6



MF-TZ500-6-CP
Back View



MF-TZ500-6-CP
Front View

7-speed

Model No.	Spoke protector	MEGARANGE	Gearing	HG/UG
CS-HG200-7	—	—	12-28T 12-32T	HG
MF-HG37	—	—	13-28T	HG
MF-TZ500-7-CP	X	14-34T	14-28T 14-34T	X
MF-TZ500-7	—	14-34T		

6-speed

Model No.	Spoke protector	MEGARANGE	Gearing	HG/UG
MF-TZ500-6-CP	X	—	14-28T	X
MF-TZ500-6	—			

TREKKING BIKE

Sporty leisure rides during the weekend, your trekking bike is your best partner for your fitness and cycling life style.
Any of your destination of today, you want to stay fit, healthy, and have fun.
SHIMANO has designed a line up of trekking bike components with race proven technology for high performance and stress free operation.
You now have all benefits of the latest technology of drivetrain, hydraulic disc brake system, together with intuitive and user friendly feature of special focus for variety use of trekking bike.
Ride at your speed, what is your next destination?



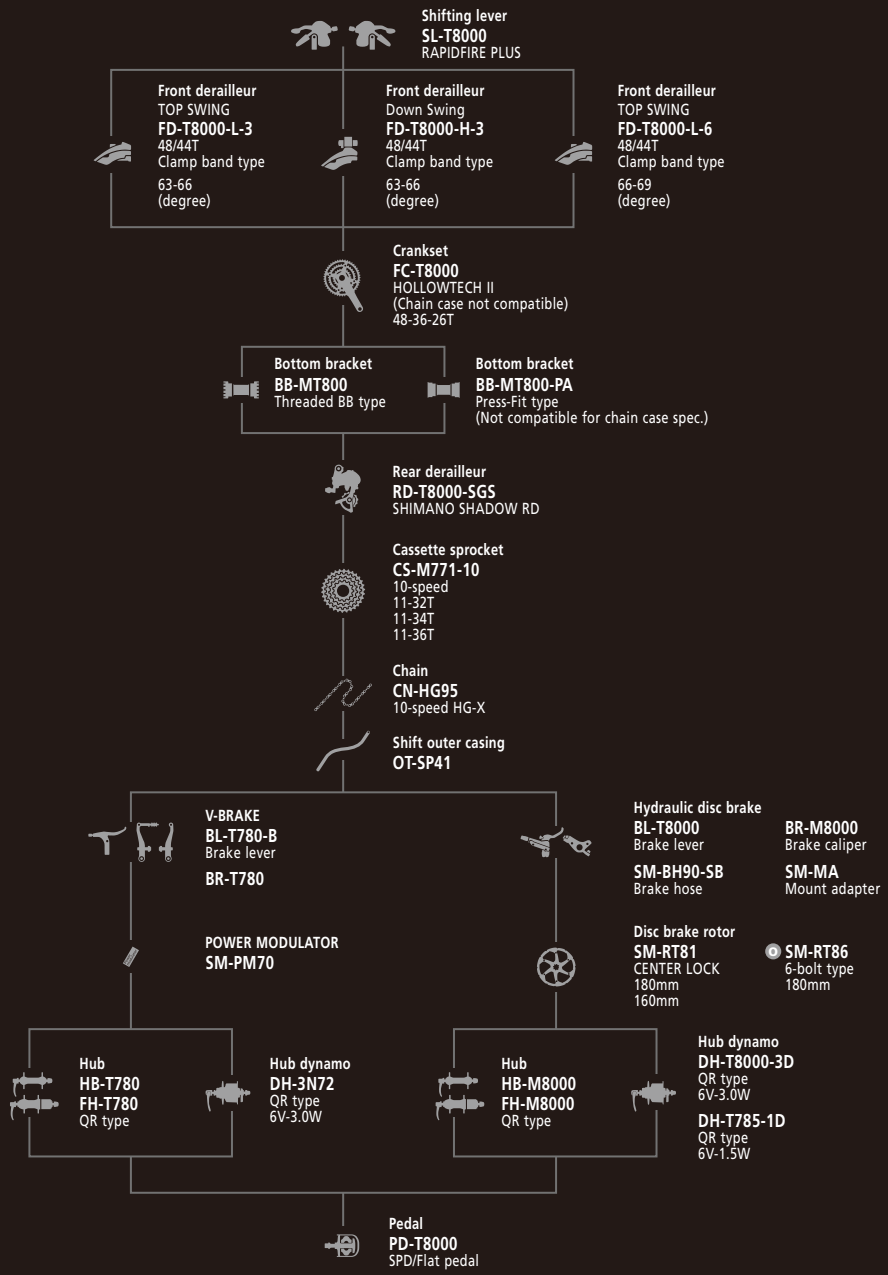
RIDING IN SPORTS MODE

SHIMANO DEORE XT for trekking is the most versatile drivetrain. Durable enough for daily commuting, reliable enough for long touring in both off road and on road trekking riding with stable and precise performance.

❖ MAJOR BENEFITS

- Reliable shifting performance with light action & smooth operation by low profile SHIMANO SHADOW RD
- RAPIDFIRE PLUS shift lever with easy to see and recognize OPTICAL GEAR DISPLAY
- Sustainable driving system with integrated design of chain guard

❖ 3x10-speed Trekking specification



>>> http://productinfo.shimano.com/lineupchart.html

O Option

SHIMANO DEORE XT For Trekking Bikes



SL-T8000



SL-T8000

SL-T8000
RAPIDFIRE PLUS Shift Lever (3x10-speed)

- **Consistent shifting performance**
  » Wide & Stable adjust range
- **Reliable shifting performance**
- **Easy to see and recognize Optical Gear Display**
- **Weight: 246g (Pair)**



FD-T8000



FD-T8000

FD-T8000-H-3
Down Swing Front Derailleur (3x10-speed)

FD-T8000-L-3/6
TOP SWING Front Derailleur (3x10-speed)

- **Consistent shifting performance**
  » Wide & Stable adjust range
- **Reliable shifting performance**
- **Chain stay angle: 63-66° (FD-T8000-H-3/L-3)**
  66-69° (FD-T8000-L-6)
- **Total capacity: 22T**
- **Weight: 169g (FD-T8000-H-3)**
  155g (FD-T8000-L-3)
  155g (FD-T8000-L-6)



FC-T8000

FC-T8000
HOLLOWTECH II Crankset (3x10-speed)

- **Reliable shifting performance**
- **Sustainable driving system with upgraded design**
  » Higher driving efficiency
  » Smooth pedaling
  » Integrated appearance of chain guard
  » Optimized Q-factor
- **Crank arm length: 170, 175mm**
- **Gear combination: 48-36-26T**
- **Weight: 868g**



BB-MT800

BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket

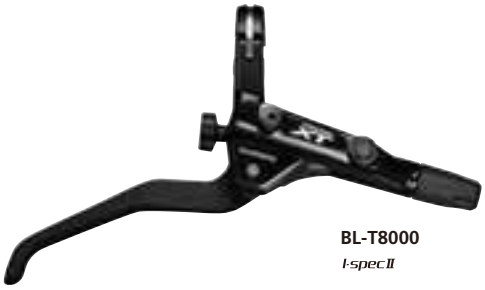


RD-T8000

RD-T8000-SGS
SHIMANO SHADOW RD (10-speed)

- **Consistent shifting performance**
  » Wide & Stable adjust range
- **Trouble-less low profile with light action & smooth operation**
  » Low profile SHIMANO SHADOW RD with light shifting effort
- **Reliable shifting performance**
- **Total capacity: 47T**
- **Weight: 253g**

SHIMANO DEORE XT For Trekking Bikes



BL-T8000
I-spec II



BL-T8000
I-spec II



BR-M8000
ICE TECHNOLOGIES
ONE WAY BLEEDING

BL-T8000
Hydraulic Disc Brake Lever

BR-M8000
Hydraulic Disc Brake Caliper

- **Consistent, predictable and powerful**
  - » More stable brake performance in various conditions without a change in lever position
  - » Sufficient power and controllable braking for all trekking riding styles
  - » Smoother operation, subtle control with minimum free stroke
  - » Easy maintenance
- **Rider Tuned brake system**
  - » Toolless reach adjust
  - » Resin/ Metal
- **Updated master cylinder**
  - » Ergonomic 2.5 finger lever
- **Integrated design**
- **Lighter weight**
  - » -10g per bike
    - Sleek master cylinder design
    - Ceramic piston
- **Weight: 108g (BL-T8000)**



DH-T8000-3D

DH-T8000-3D
Hub Dynamo 3.0W for Disc Brake

- **6V-3.0W**
- **CENTER LOCK Specification**
- **Featuring internal Aluminum coil and axle structure**
- **Overall lighter structure**
- **Weight: 503g**



PD-T8000



(Flat side)

PD-T8000
HIGH-QUALITY DUAL PLATFORM PERFORMANCE FOR TOURING, TREKKING AND COMMUTING

- **Two-sided flexibility and performance**
- **Customize the entry and release tension settings**
- **Only 392 grams**
- **Concave cleat clearance on platform side**
- **High-grip pins**
- **Sealed cup and cone bearings**



BL-T780-B



BL-T780-B

BL-T780-B
Brake Lever

BR-T780
V-BRAKE

- Light action and smooth operation
- I-SPEC compatible
- 3-finger lever
- Weight: 196.6g (BL-T780-B)
  174g (BR-T780)
- Color options: Black, Silver



BR-T780



BR-T780



HB-T780



FH-T780

HB-T780
Front Hub for V-BRAKE

FH-T780
Rear FREEHUB for V-BRAKE

- Hub set for V-BRAKE
- Long durability bearing system
- Light quality sealing Cup & Cone Bearing
- Weight: 153g (HB-T780)
  338g (FH-T780)
- Color options: Black, Silver



DH-T785-1D

DH-T785-1D
Hub Dynamo

- 6V-1.5W
- StVZO approved
- CENTER LOCK Specification available (DH-T785-1D)
- Internal aluminum coil structure
- Overall lighter and more compact structure
- Weight: 425g (DH-T785-1D, DH-T785-1N)
- Color options: Black, Silver

SHIMANO DEORE LX

DEFINE YOUR JOURNEY

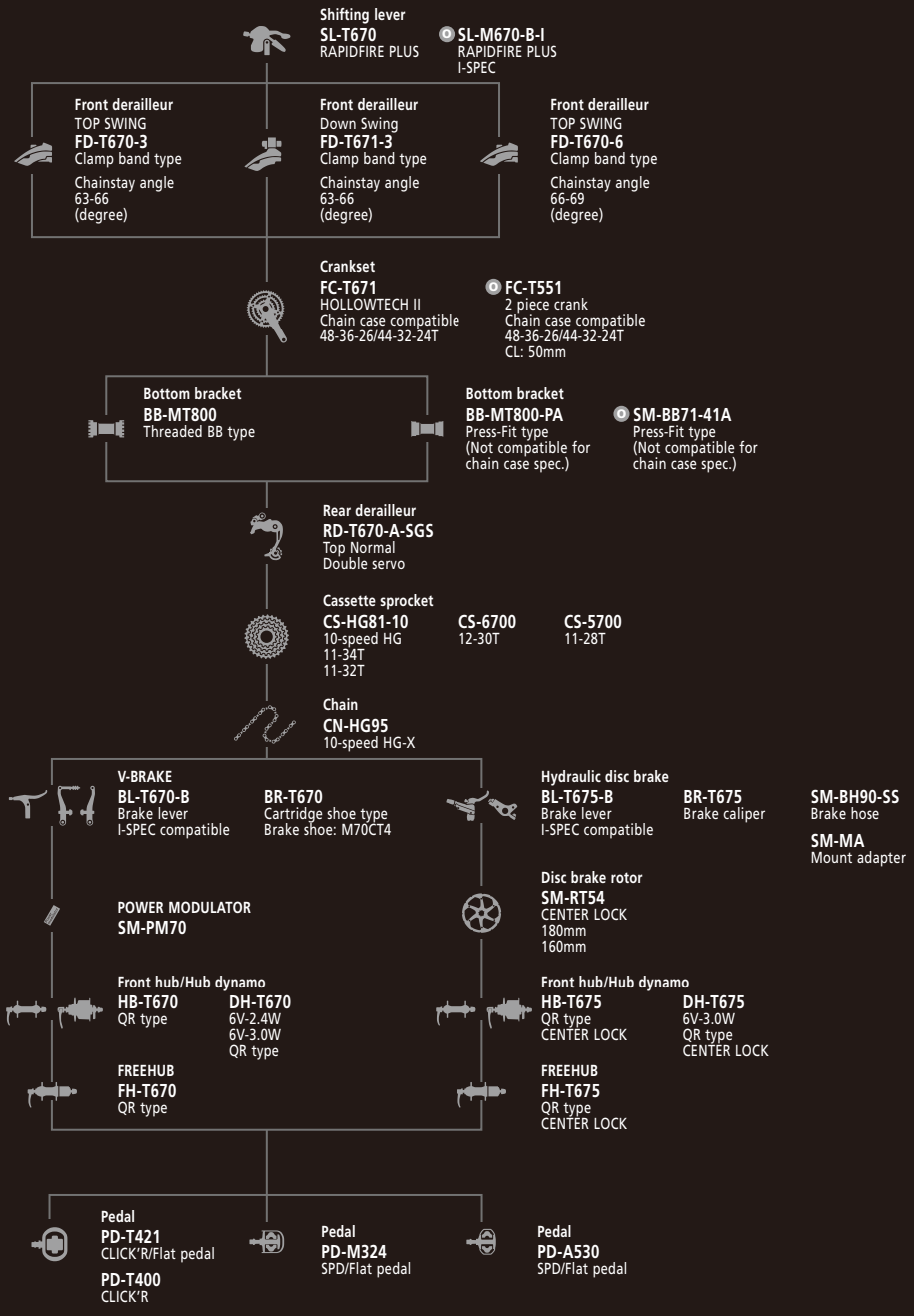
"Reliable and Durable"
Durable through long touring and everyday commuting and reliable performance both off road and on road trekking riding.

"Active and Utility"
From touring to commuting, from off road to on road, T6000 series support several trekking riding scene.

❖ MAJOR BENEFITS

- Effective everywhere you ride
- Dependable commuting & touring

❖ 3x10-speed
Trekking specification



>>> http://productinfo.shimano.com/lineupchart.html

O Option



SL-T670



SL-T670

SL-T670
RAPIDFIRE PLUS Shift Lever (3x10-speed)

- MTB 10-speed stable system
- Vivid Optical Gear Display (Optical gear number display with precise movement)
- Ergonomic lever shape
- Low-effort lever stroke
- 2-WAY RELEASE
- Weight: 260g (Pair)
- Color options: Black, Silver

FD-T670



FD-T670



FD-T671

FD-T671

FD-T670-3/6
TOP SWING Front Derailleur (3x10-speed)

FD-T671-3
Down Swing Front Derailleur (3x10-speed)

- MTB 10-speed shifting performance
- Low profile design for clearance
- 48T/44T compatible
- Variations: FD-T670-3 (63-66°), T670-6 (66-69°)
  FD-T671-3 (63-66°)
- Weight: 157g (FD-T670-3/6)
  172g (FD-T671-3)
- Color options: Black, Silver



FC-T671

FC-T671
HOLLOWTECH II Crankset (3x10-speed)

- 2 tone anodized color (matte-shine)
- Smooth cap-free design
- MTB 10-speed shifting performance
- Rigid and light HOLLOWTECH II
- Chaincase compatible
- Gear combination: 48-36-26T with chain guard available
  44-32-24T with chain guard available
- Weight: 958g (44-32-24T)
- Color options: Black, Silver



BB-MT800



FC-T671

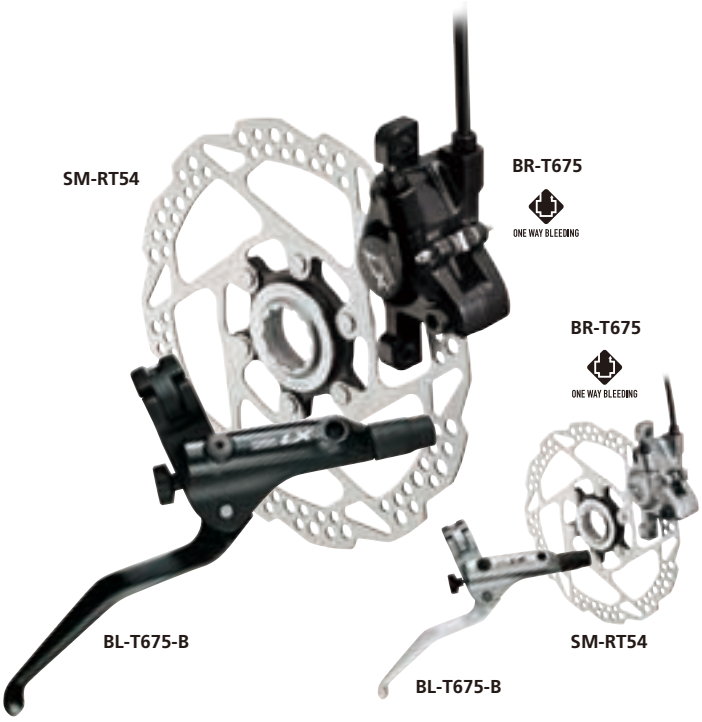
BB-MT800
Bottom Bracket

BB-MT800-PA
Press-Fit Type Bottom Bracket



RD-T670-A-SGS
Rear Derailleur (10-speed)

- **MTB 10-speed consistent performance**
- **Trekking-tuned spring balance for light action**
- **Double Servo-panta for smooth shifting**
- **Close gear ratio for easy cadence management**
- **Color options: Black, Silver**
- **Weight: 275g**



BL-T675-B
Hydraulic Disc Brake Lever

- **Reliable hydraulic system**
- **Ergonomic 3 finger lever**
- **Balanced power and modulation**
- **Easy and clean bleeding**
  » Funnel bleeding tool
- **I-spec compatible**
- **Weight: 126g**
- **Color options: Black, Silver**

BR-T675
Hydraulic Disc Brake Caliper

- **Reliable hydraulic system**
- **Balanced power and modulation**
- **Easy and clean bleeding**
  » One Way Bleeding caliper
- **Resin pad**
- **Weight: 134g**
- **Color options: Black, Silver**

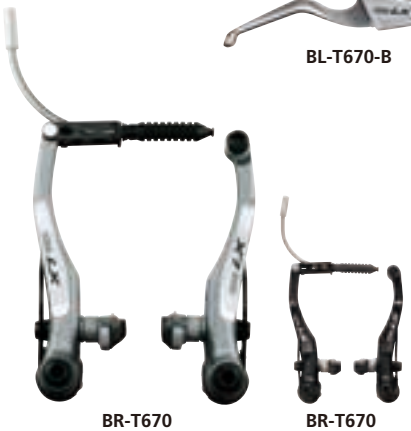
SM-RT54
CENTER LOCK Disc Rotor

- **CENTER LOCK for quicker installation**
- **About 10% lighter than SM-RT53**
- **160mm, 180mm available**



BL-T670-B
Brake Lever

- **Quality design**
- **Ergonomic 3 finger lever**
- **Internal Bump Stopper**
- **I-spec compatible**
- **Weight: 211.2g**
- **Color options: Black, Silver**



BR-T670
V-BRAKE

- **Quality design**
- **Lightweight groove cut**
- **Cartridge shoe**
- **Weight: 176g**
- **Color options: Black, Silver**

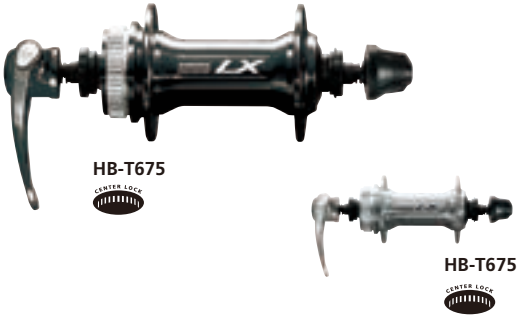


HB-T670
Front Hub for V-BRAKE

FH-T670
Rear FREEHUB for V-BRAKE

- **High quality sealing**
- **Cup & Cone**
  - » Angular contact bearing system
  - » Adjustable bearing system
- **Weight: 161g (HB-T670)**
  365g (FH-T670)
- **Color options: Black, Silver**

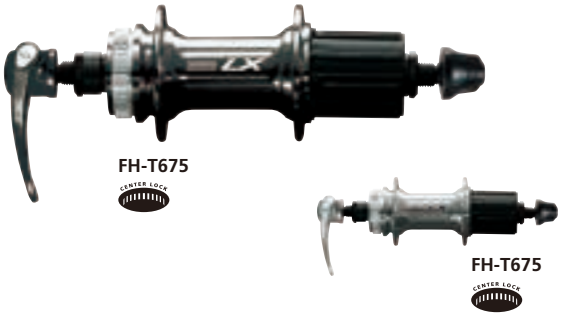


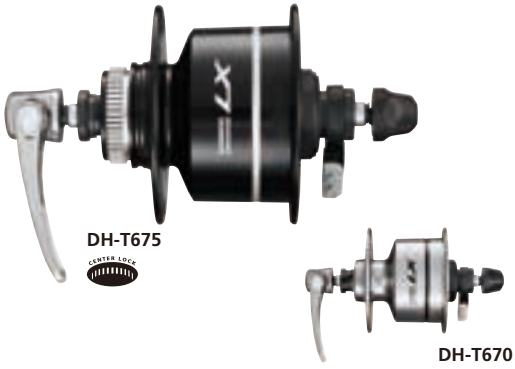


HB-T675
Front Hub for Disc Brake

FH-T675
Rear FREEHUB for Disc Brake

- **High quality sealing**
- **Cup & Cone**
  - » Angular contact bearing system
  - » Adjustable bearing system
- **CENTER LOCK rotor mount**
- **Weight: 192g (HB-T675)**
  369g (FH-T675)
- **Color options: Black, Silver**





DH-T670
Hub Dynamo for V-BRAKE

DH-T675
Hub Dynamo for Disc Brake

- **Efficient power generation (2.4W/3.0W)**
- **High quality sealing**
- **Cup & Cone**
  - » Angular contact bearing system
  - » Adjustable bearing system
- **2 choices of brake type**
  - » For V-BRAKE (T670 2.4W/3.0W)
  - » For Disc brake (T675 3.0W only)
  - » CENTER LOCK rotor mount
- **Weight: 550g (DH-T670)**
  559g (DH-T675)
- **Color options: Black, Silver**

SHIMANO DEORE For Trekking Bikes

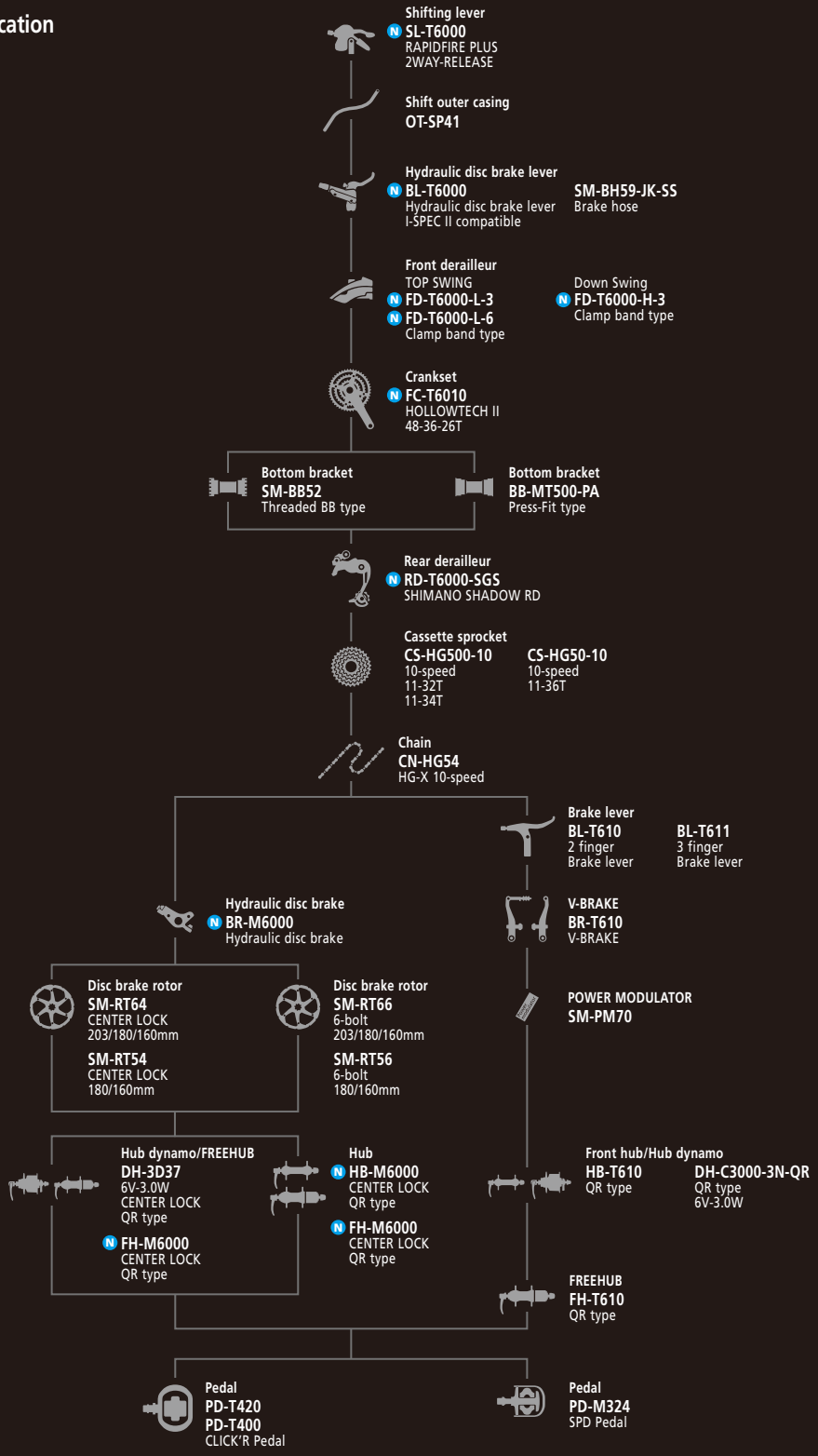
TRUE PERFORMANCE!

High performance: advanced technology for easy control. Tough, proven technology delivers durability and reliability.

❖ MAJOR BENEFITS

- Precise, consistent, smooth and light shifting from MTB 10-speed
- Fit various type of bikes from sports trekking to comfort trekking bike
- Efficient pedaling in good cadence by gear combination for pavement

❖ 3x10-speed
Trekking/Hybrid specification



>>> http://productinfo.shimano.com/lineupchart.html

N New model

SHIMANO DEORE For Trekking Bikes

























NEW

SL-T6000
RAPIDFIRE PLUS Shifting Lever (3/2x10-speed)

- **Light action and intuitive operation**
  - » Light shifting operation with balanced lever ratio
    - OPTISLICK cable
  - » Visible, compact and clear OPTICAL GEAR DISPLAY
- **Color options: Black, Silver**

NEW

FD-T6000
Front Derailleur (3x10-speed)

- **Reliable shifting performance**
- **Smooth and light shifting operation**
  - » Wide clearance between frame, mud guard and tire
- **Down Swing construction (FD-T6000-H3)**
- **TOP SWING construction (FD-T6000-L3)**
- **TOP SWING construction (FD-T6000-L6)**
- **Color options: Black, Silver**

NEW

FC-T6010
HOLLOWTECH II Crankset (3x10-speed)

- **Efficient power transfer**
  - » HOLLOWTECH II crank arm with 4-arm construction
- **Chaincase compatible**
  - » Chainguard integrated design
- **Gear combination: 48-36-26T**
- **Crank arm length: 170 mm, 175 mm**
- **Color options: Black, Silver**

BB-MT500-PA
Press-Fit Type Bottom Bracket

SM-BB52
Bottom Bracket

- **High driving efficiency**
  - » Better sealing and rotation (SM-BB52)

NEW

RD-T6000
SHIMANO SHADOW RD (10-speed)

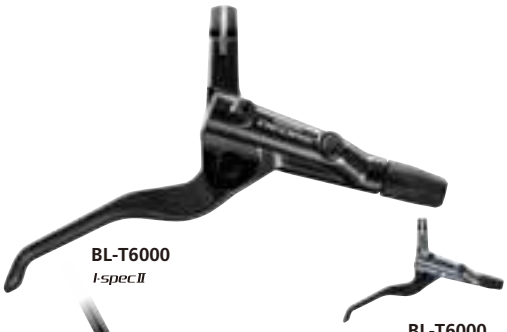
- **Consistent shifting performance for a wide range of riding locations and styles**
- **Smooth and light shifting operation**
  - » Wide gear combinations provide broad compatibility
- **Avoid getting snagged on obstacles**
  - » SHIMANO SHADOW RD
- **Total capacity: 47 T**
- **Color options: Black, Silver**

CS-HG500-10
HG Cassette Sprocket (10-speed)

- **Lock in performance with durable construction and robust adjustability**
  - SHIMANO HG system
- **Versatile gear range supports a broad range of riding styles**
  - Rider tuned 10-speed gear options
- **Gear combination: 12-28T, 11-32T, 11-34T**

SHIMANO DEORE

For Trekking Bikes



BL-T6000
I-spec II



BL-T6000
I-spec II

BR-M6000

ONE WAY BLEEDING

BR-M6000

ONE WAY BLEEDING



BL-T610



BL-T611



BR-T610



BR-T610



HB-T610



FH-T610



HB-M6000



FH-M6000

NEW

BL-T6000

Hydraulic Disc Brake Lever

- **Optimized braking power curve and stability for the regular rider**
  » 3-finger brake lever is more comfortable for daily use
- **More stable brake performance in various conditions without changing lever position**
  » Quality pad consistently resists contamination effects
- **Color options: Black, Silver**

NEW

BR-M6000

Hydraulic Disc Brake Caliper

- **Powerful and responsive braking for a wide range of riding styles, from XC to all-mountain**
- **Durable construction with a cool integrated appearance**
  - Lightweight caliper
- **Smooth and predictable control, with a balance of power and rigidity**
  » Insulated pad and piston
  » ICE TECHNOLOGIES pad compatible
- **Stable brake performance in any condition**
- **Color options: Black, Silver (T6000 kit only)**

BL-T610

Brake Lever (2-finger) for V-BRAKE

BL-T611

Brake Lever (3-finger) for V-BRAKE

BR-T610

V-BRAKE

- **Ergonomic 3-finger lever (BL-T611); 2-finger lever (BL-T610)**
- **I-spec compatible**
- **Internal bumper stop for silent lever return**
- **S70C cartridge shoe for balance of power/noise; M70CT4 for wet**
- **V-BRAKE with 107mm arch**
- **Color options: Black, Silver**

HB-T610

Front Hub for V-BRAKE

FH-T610

Rear FREEHUB for V-BRAKE

- **Angular contact bearing system and adjustable bearing system**
  » Cup & Cone
- **High quality sealing**
- **10/9/8-speed compatible**
- **Color options: Black, Silver**

NEW

HB-M6000

Front Hub for Disc Brake (100 mm O.L.D.)

- **Durable and reliable**
  » High-quality sealing and angular contact bearings

NEW

FH-M6000

Rear FREEHUB for Disc Brake (135 mm O.L.D.)

- **Durable and reliable**
  » High-quality sealing and angular contact bearings
- **Precise, swift, and smooth shift response**
  » Quick engagement

SHIMANO ALIVIO For Trekking Bikes

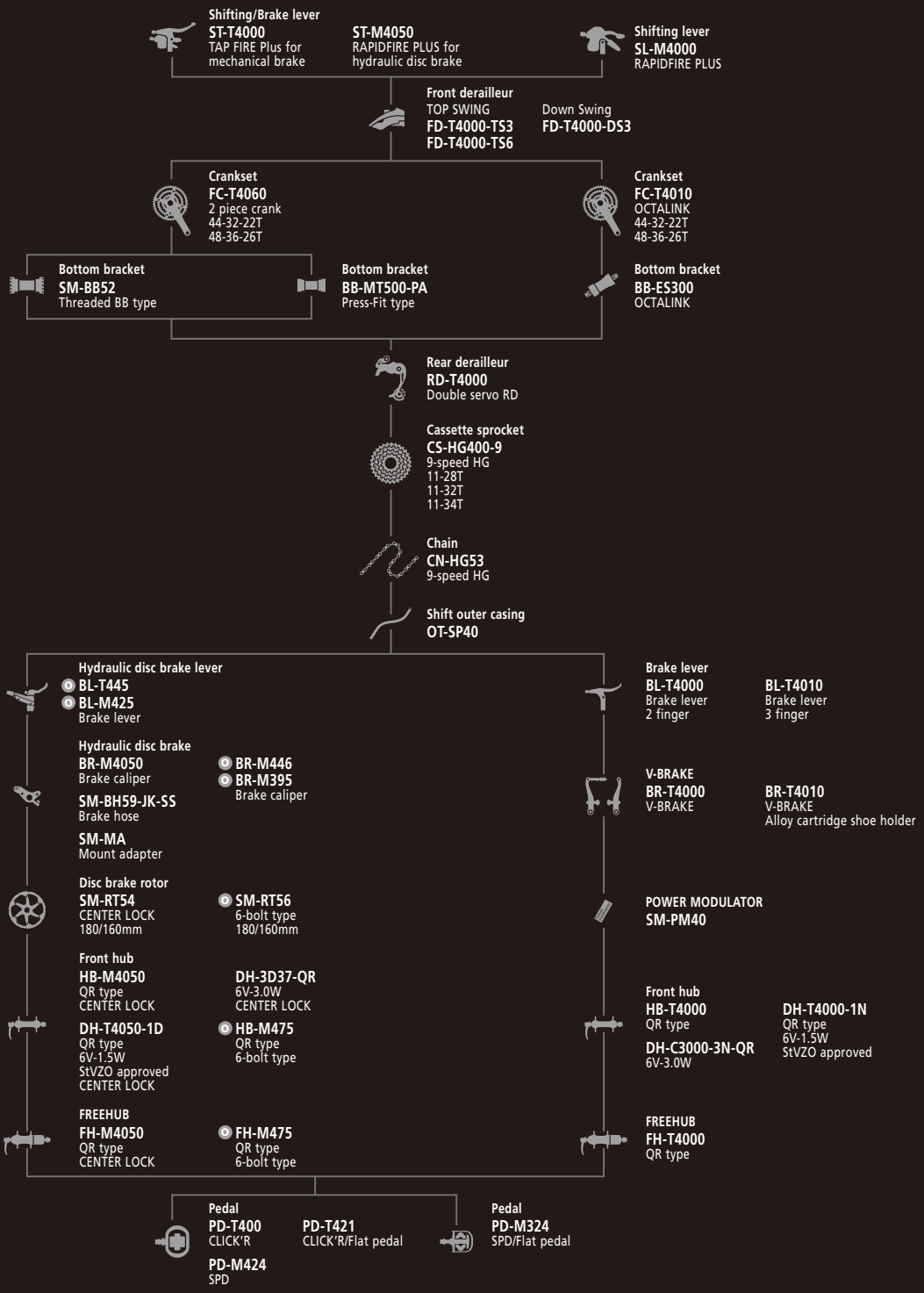
SILENT, SLIM/SMOOTH, DURABLE/CLEAN

Silent: Possible to concentrate on riding, feel nature without disturbance.
Slim/Smooth: Easy to control the bikes. Easy shifting and braking operation.
Durable/Clean: High durability products which will last for a long time.

❖ MAJOR BENEFITS

- Smooth & light shifting operation with HYPERDRIVE technology
- Quiet shifting operation by reduction of driving noise
- Enjoy long lasting clean appearance with anti rust material
- Long life with good sealing performance. Non-disposable bearing system for environment

❖ 3x9-speed



>>> http://productinfo.shimano.com/lineupchart.html

O Option

SHIMANO ALIVIO For Trekking Bikes





ST-T4000
TAP FIRE Plus Shift/Brake Lever Set (3x9-speed)

- **Intuitive shifting operation and ergonomics for stress free riding**
  » TAP FIRE Plus shifter
- **Gentle and light operation with deluxe click feeling**
- **Visible and intuitive OPTICAL GEAR DISPLAY**
- **Color options: Black, Silver**





FD-T4000-TS3/TS6
TOP SWING Front Derailleur (3x9-speed)

FD-T4000-DS3
Down Swing Front Derailleur (3x9-speed)

- **Smooth/light shifting operation with 9-speed HYPERDRIVE technology**
- **Designed for 50mm chain line ONLY**
- **48T/44T compatible**







FC-T4060
Crankset (3x9-speed)

SM-BB52
Bottom Bracket

FC-T4010
OCTALINK Crankset (3x9-speed)

BB-ES300
OCTALINK Bottom Bracket

- **Smooth and precise shifting performance with HYPERDRIVE technology**
  » Two options available, 2-PIECE CRANKSET construction (T4060) and OCTALINK (T4010)
  » 44-32-22T/48-36-26T spec available
- **Quiet shifting operation by reduction of driving noise (48T)**
- **Chain case compatible**
- **With or without chain guard**
- **ALIVIO logo (T4060), SHIMANO logo (T4010)**
- **Better sealing performance (SM-BB52)**
- **Color options: Black, Silver**









RD-T4000



RD-T4000

RD-T4000
Rear Derailleur (9-speed)

- **Light, precise, silent and smooth shifting operation**
  » Double Servo-panta mechanism
- **9-speed drive train**
  » Lower profile than current RD-M430
- **Total capacity: 45T**
- **Color options: Black, Silver**



CS-HG400-9



CS-HG400-9
HG Cassette Sprocket (9-speed)

- **Lightweight design**
- **Quick assembly**
- **Variety of gear combination**
  » 11-28T, 11-32T, 11-34T, 12-36T (12-36T not for RD-T4000)



BL-T4000



BL-T4010

BL-T4000
2-finger Brake Lever

BL-T4010
3-finger Brake Lever

BR-T4000
V-BRAKE

BR-T4010
V-BRAKE

- **Easy and Quiet operation with internal bumper stop**
  » Brake lever with internal bumper stop
  » 2-finger brake lever (BL-T4000) and 3-finger brake lever (BL-T4010) both available
- **Alloy anodized lever member**
- **Aluminum cartridge shoe holder (BR-T4010)**
- **Color options: Black, Silver**



BR-T4000



BR-T4000



BR-T4010



BR-T4010



HB-T4000



FH-T4000

HB-T4000
Front Hub

FH-T4000
Rear FREEHUB

- **Long durability with high quality mud prevention seal**
  - » Adjustable bearing system (Cup & Cone)
  - » Alloy quick release lever with steel housing
- **Non-disposable bearing system is better for the environment**
- **Color options: Black, Silver**



DH-T4000-1N

DH-T4000-1N
Hub Dynamo

- **6 V-1.5 W**
- **Lightweight and compact design**
- **StVZO approved**
- **Color options: Black, Silver**



DH-T4000-1N



DH-T4050-1D

DH-T4050-1D
Hub Dynamo

- **Miniaturized design increases riding efficiency**
  - » Internal aluminum coil structure
- **Lower rotation drag reduces riding stress**
  - » Construction optimized for 6V-1.5W output
- **Disc brake compatibility for more confident braking**
  - » CENTER LOCK
- **Color options: Black, Silver**



DH-T4050-1D

SHIMANO ACERA For Trekking Bikes

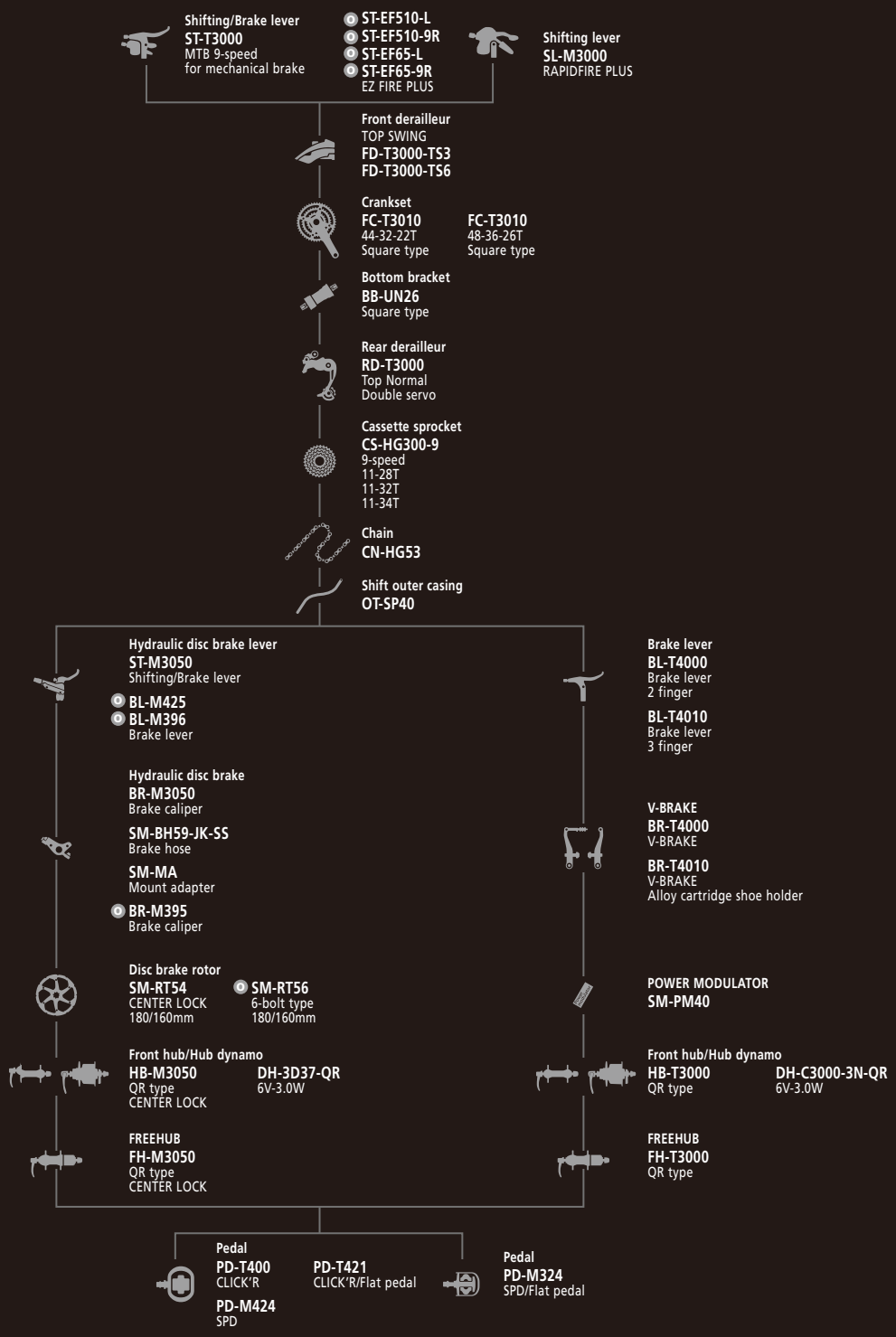
FREE TO WANDER

Try a new route, explore with no destination, refresh with ACERA

❖ MAJOR BENEFITS

- Smooth, light and precise shifting performance with HYPERDRIVE technology
- Long-lasting satisfaction thanks to stainless steel stuff
- TAP FIRE Plus for intuitive shifting
- Easy operation with 3 finger brake lever

❖ 3x9-speed



>>> http://productinfo.shimano.com/lineupchart.html

O Option

SHIMANO ACERA For Trekking Bikes



ST-T3000



ST-T3000

ST-T3000

TAP FIRE Plus Shift/Brake Lever Set (3x9-speed)

- **TAP FIRE Plus for natural and instinctive operation**
  - » Ergonomic lever
  - » Bumper stopper for noiseless operation
  - » Compact and intuitive OGD
    - Confirm gear position with a glance
    - Slider type OGD design



FD-T3000-TS3

FD-T3000-TS3/TS6

TOP SWING Front Derailleur (3x9-speed)

- **Smooth operation and precise shifting**
  - » Wide link for longer durability and precise shifting
    - HYPERDRIVE technology
- **Quick and easy installation**
  - » Pre-assembled clamp band and inner cable fixing bolt
- **Total capacity: 22T**



FC-T3010

FC-T3010

Crankset (3x9-speed) (SHIMANO Logo)

- **Explore new parts of town with crisp and reliable shifts**
  - » ACERA branded and SHIMANO branded
  - » OCTALINK: T3010-8 (ACERA Logo)
    - SQUARE type: T3010 (SHIMANO Logo)
  - » Improved chain control for confident and precise shifting
    - HYPERDRIVE technology
- **Lighter and more relaxed operation**
- **Gear combination: 44-32-22T, 48-36-26T**
- **Color options: Black, Silver**



BB-ES300

BB-ES300

OCTALINK Bottom Bracket

- **Stiff and lightweight for efficient power transfer**
  - » Durable spline reinforced construction
    - 8-splined OCTALINK interface increases the strength and rigidity of the entire assembly
  - » 26g lighter weight than BB-ES25
- **Quick and precise assembly**
  - » Good chain line control with chain stabilizer



RD-T3000-SGS



RD-T3000-SGS

RD-T3000-SGS

Rear Derailleur (9-speed)

- **Accurate and dependable performance**
  - » Smooth and light shifting operation
    - Double servo-panta mechanism
- **Wander freely**
  - » Less chance to hit on obstacles
    - Lower profile than current RD-M390
- **Smooth, long-lasting shifting**
  - » Stainless steel adjustment bolts
- **Quick and easy installations**
  - » Pre-assembled inner cable fixing bolt
- **Total capacity: 45T**
- **Color options: Black, Silver**



HB-T3000



HB-T3000

HB-T3000

Front Hub



FH-T3000



FH-T3000

FH-T3000

Rear FREEHUB

- **Long-lasting performance**
  - » High-quality seal
  - » Adjustable bearing system
- **Color options: Black, Silver**

URBAN SPORT

Riding to the office & around the neighborhood, especially on days when you want to change up your routine and feel a boost of confidence. Pursuit of the pleasure of riding (cycling) in urban areas. Our urban sport category components aim to design a specialized urban sports bike that is not only for daily commuting, but also a comfortable ride that suits the urban environment and provides urban sports driving pleasure.



METREA

THE NEW FACE OF URBAN SPORT

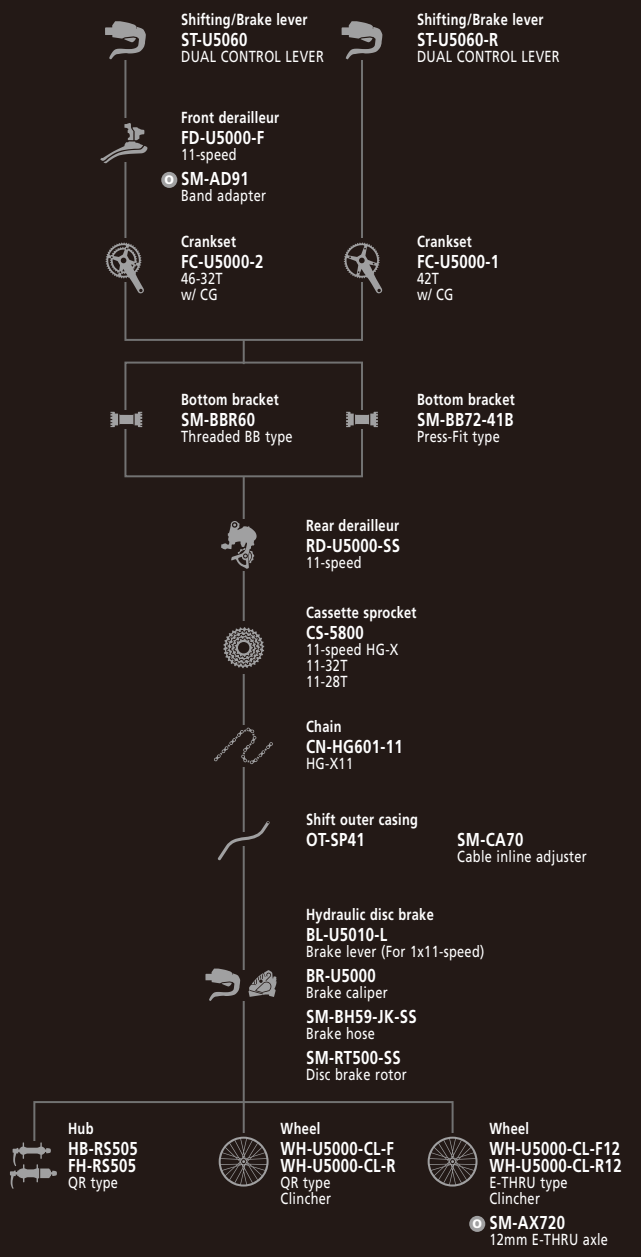
Sail through the streets with minimal effort and distractions. METREA offers reliable performance with clean, simplistic design for urban riding.

❖ MAJOR BENEFITS

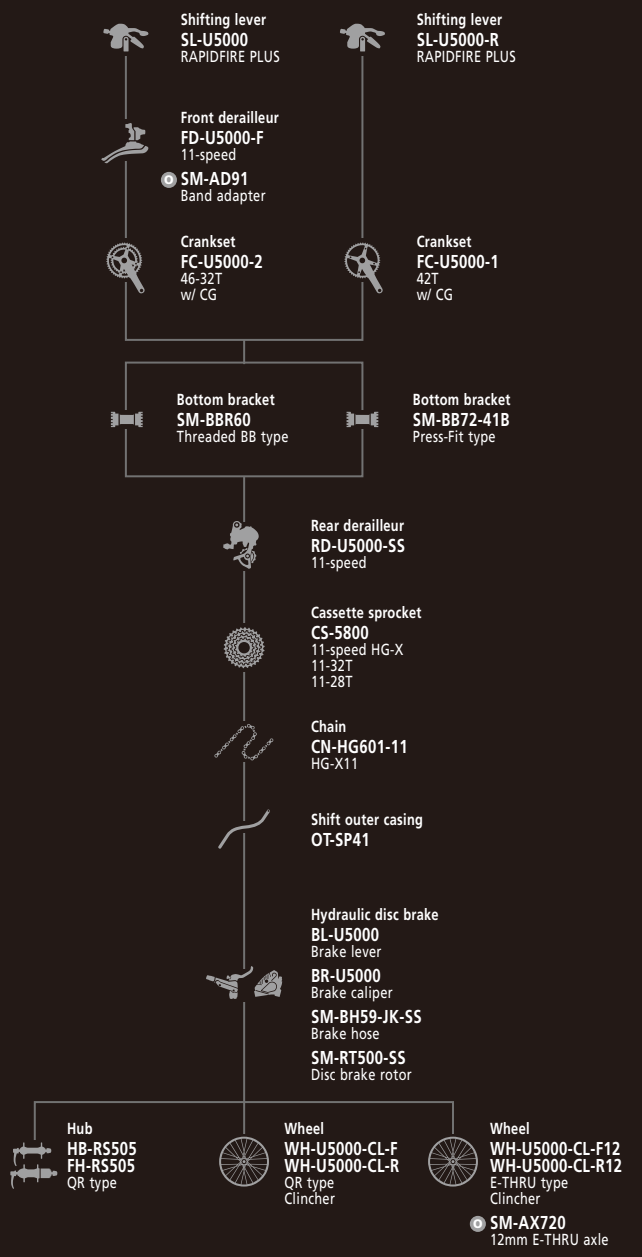
- New H-bar is for riders that want to experience the purest vision of the urban sport bike
- Standard straight bar set up offers greater urban versatility and compatibility with a wide range of bike frames
- Wide range gearing with efficient shifting steps optimized for urban riding

❖ 2/1x11-speed

H type handlebar



Flat handlebar type



>>> http://productinfo.shimano.com/lineupchart.html

O Option



ST-U5060-R



BL-U5010-L



SL-U5000-R



SL-U5000-L



FD-U5000-F



FC-U5000-1



FC-U5000-2

ST-U5060
Hydraulic Disc Brake Dual Control Lever (2/1x11-speed)

BL-U5010-L
Hydraulic Disc Brake Lever

- **Clean and sophisticated style**
  - Dual control lever with Hydraulic disc brake system
- **Cruise through the streets with minimal effort and distractions for urban riding**
  - » Smooth and consistent braking performance
    - Hydraulic disc brake system
    - Funnel bleeding tool
    - J-kit system
  - » Silent / smooth / light action shifting performance
    - Polymer-coated cable
    - Vivid index shifting with defined click engagement
- **Weight: 380g (ST-U5060-R)**
  372g (ST-U5060-L)
  336g (BL-U5010-L, pcs)

SL-U5000
RAPIDFIRE PLUS Shift Lever (2/1x11-speed)

- **Reliable, light action shifting performance**
  - » Smooth multi-shift with vivid index feeling
    - 2-WAY RELEASE, INSTANT RELEASE
- **Weight: 106g (SL-U5000-R)**
  97g (SL-U5000-L)

FD-U5000-F
Front Derailleur (2x11-speed)

- **Weave your way through the streets with confidence**
  - » Light shifting operation
    - Robust adjustability with changed cable pitch
    - improved spring tension
    - Flat shifting force from top to low
- **Chain stay angle: 63-66°**
- **Total capacity: 14T**
- **Weight: 94g**

FC-U5000-1
Crankset with Chain Guard (1x11-speed)

FC-U5000-2
Crankset with Chain Guard (2x11-speed)

- **Enjoy riding through the urban environment with smooth and consistent pedaling**
  - » Drivetrain options for every cityscape
    - 46-32T closer gear ratio
    - 42T for optimal urban gearing
- **Clean, simple design with reliable performance**
  - » Long life with anti-rust material
  - » Designed for casual riding attire
    - Integrated chain guard
- **Crank arm length: 170, 175mm**
- **Weight: 926g (FC-U5000-1)**
  1,046g (FC-U5000-2)



RD-U5000-SS

RD-U5000-SS
Rear Derailleur (11-speed)

- **Weave your way through the streets with confidence**
  - » Light shifting operation
    - Robust adjustability with changed cable pitch
    - improved spring tension
    - Flat shifting force from top to low
- **Maintain your pace in the hectic city**
  - » Wide range gearing with efficient shifting steps
    - New slant body with SS cage
    - 32T compatible
- **Total capacity: 35T**
- **Weight: 267g**



BL-U5000-L
I-spec II



BL-U5000-R
I-spec II

BL-U5000
Hydraulic Disc Brake Lever

- **Elevate your urban riding experience with smooth and consistent braking**
  - » Long life with anti-rust material
  - » Easy and clean bleeding
    - ONE WAY BLEEDING caliper
  - » Funnel bleeding tool
- **Weight: 266g (Pair)**



BR-U5000

ONE WAY BLEEDING



SM-RT500-SS

CENTER LOCK ICE TECHNOLOGIES

BR-U5000
Hydraulic Disc Brake Caliper

SM-RT500-SS
CENTER LOCK Disc Rotor

- **Easy to control and clean appearance with stable brake performance for ordinary riders**
  - » Heat management system
    - ICE TECHNOLOGY rotor
  - » Low profile caliper design
    - Flat mount system
- **Easy set up and maintenance**
  - » Flat mount system for easy tool access
  - » Wider pad clearance
  - » One Way bleeding
- **Size: 140mm (SM-RT500-SS)**
- **Weight: 159g (BR-U5000-F)**
  148g (BR-U5000-R)
  102g (SM-RT500-SS)

ROAD CLINCHER FOR DISC BRAKE



WH-U5000
The essence of urban sport

- **Enjoy cruising in style**
  - » 40 mm height rim
- **Easy set up**
  - » Both quick release lever type & E-THRU axle type available
- **Disc brake system**
  - » CENTER LOCK

GL CENTER LOCK

FRONT/REAR



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-U5000-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	1,093 g	1,287 g
WH-U5000-CL-F12 WH-U5000-CL-R12	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	-	-

CITY

Components designed for more comfortable cycling

SHIMANO continues to refine the comfort cycling concept with innovative components designed to create an enhanced feeling of comfort and control. A bike equipped with SHIMANO comfort components is easier to ride, so cycling becomes more fun especially for new cyclists, leisure riders or occasional riders. An enhanced feeling of confidence makes the cyclist feel more relaxed on the bike.



SHIMANO ALFINE

FOR SPORTY AND FASHIONABLE CYCLING

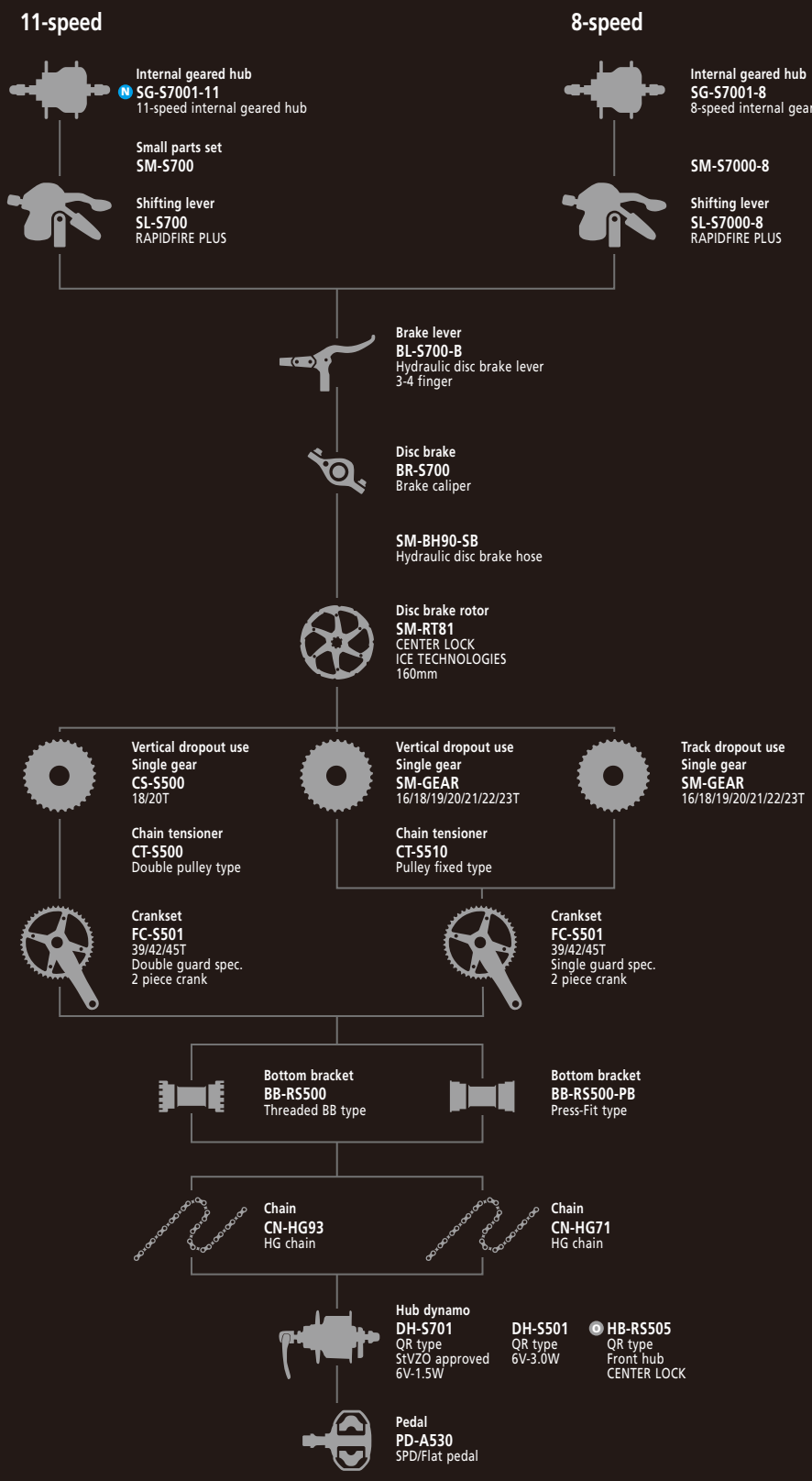
Hit the town in style, with ALFINE — a high-grade groupset built for the sophisticated urban rider. Along with its premium build quality, ALFINE brings you finesse, versatility, and effortless operation. Whether in an 8-speed or 11-speed configuration, ALFINE presents a clean look and a wide gear range that serve to enhance any frame.



❖ MAJOR BENEFITS

- Support for cross bike and road bike styles
- Highly efficient 11/8-speed internal geared hub

❖ 11/8-speed internal geared hub



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SG-S7001-8



SG-S7001-8

SG-S7001-8

Internal Geared Hub for Disc Brake (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- **Gear ratio: 307%**
- **Weight: 1,670g**
- **Color options: Black, Silver**



SG-S7001-11

CENTER LOCK

NEW

SG-S7001-11

Internal Geared Hub for Disc Brake (11-speed)

- **Improved internal structure for better gear engagement**
- **Smooth shifting performance**
- **Improved performance for both E-BIKE and non-E-BIKE usage**
- **Gear ratio: 409%**
- **Weight: 1,665 g**
- **Color options: Black, Silver**



SL-S7000-8



SL-S7000-8

SL-S7000-8

RAPIDFIRE PLUS Shift Lever (8-speed)

SM-S7000-8

Small Parts Set

- **Refined appearance**
  - » RAPIDFIRE 8-speed shifter
- **Improved cassette joint for top-normal structure**
- **Color options: Black, Silver**



SL-S700

2WAY RELEASE MULTI RELEASE INSTANT RELEASE



SL-S700

2WAY RELEASE MULTI RELEASE INSTANT RELEASE

SL-S700

RAPIDFIRE PLUS Shift Lever (11-speed)

- **Multi-gear shift**
  - » INSTANT RELEASE, MULTI RELEASE and 2WAY-RELEASE
- **Same shifting operation as rear derailleur model**
- **Color options: Black, Silver**



BL-S700-B



BL-S700-B

BL-S700-B

Hydraulic Disc Brake Lever (3-finger)

- **Ergonomic longer lever for easy control even in dry/wet condition**
- **Consistent brake performance**
- **Smooth integration with ALFINE shift lever**
- **Color options: Piano black, Silver**



BR-S700



BR-S700

BR-S700

Hydraulic Disc Brake Caliper

- **15% power up vs. M975**
- **ICE TECHNOLOGY Pad compatible**
- **Color options: Piano black, Silver**



CS-S500
Sprocket

- **Special single gear design with chain tensioner**
- **Revised tooth profile to prevent chain skip**
- **18T, 20T available**

CT-S500
Chain Tensioner

CT-S510
Chain Tensioner (Pulley fixed type)

- **For vertical drop-out**



FC-S501
BB-RS500 2piece Crankset with Chain Guard

- **Chainring: 45T, 42T, 39T**
- **Single or double chainguard integrated design**
- **Color options: Piano black, Silver**

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction



CN-HG93
Super Narrow HG Chain (9-speed)

- **Precision construction**
- **Improved durability**
- **Weight: 299g**



DH-S701
Hub Dynamo

- **StVZO approved**
- **6V-1.5W, for disc brake, CENTER LOCK**
- **Compact & Lightweight: 425g (w/o quick release)**
- **Light rotation: 40% lighter rotation (DH-3N72)**
- **Color options: Piano black, Silver**



DH-S501
Hub Dynamo

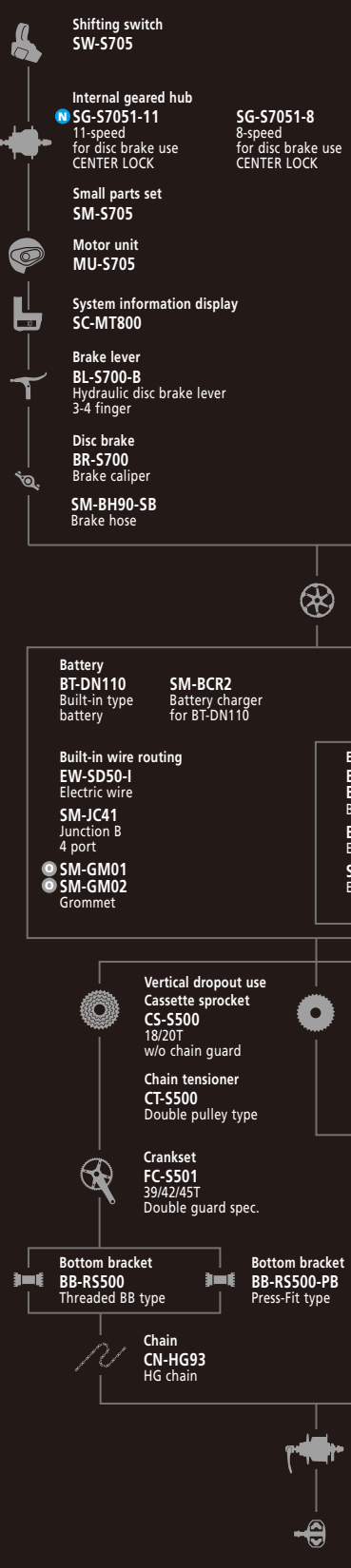
- **6V-3.0W**
- **Use with CENTER LOCK disc brake**
- **Color options: Piano black, Silver**

❖ MAJOR BENEFITS

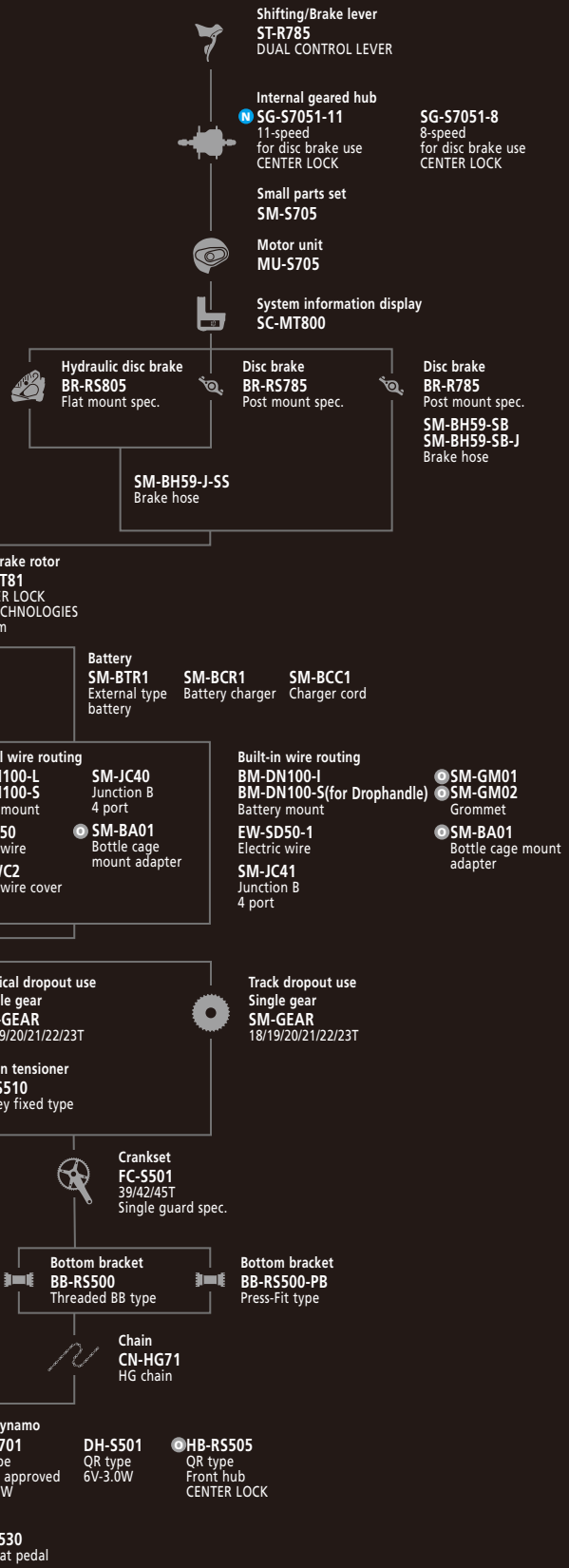
- Support for cross bike and road bike styles
- Highly efficient 11/8-speed internal geared hub
- E-TUBE platform for optimum flexibility
- DI2 shifting system for internal geared hub

❖ 11/8-speed internal geared hub

Electronic spec Flathandle



Electronic spec Drophandle



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



SW-S705
Electric Switch

- **Easy access to shifting**
- **Compatible brake lever: BL-S700-B**
- **Compatible internal geared hub: SG-S7051-11**

ST-R785
Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **Comfortable and natural hand position for all day riding comfort**
- **More stopping power, with less effort, especially from the hood position**
  - » High braking power ideal for cyclocross and on-road riding
- **Fits a wide variety of hand sizes from the hood position**
  - » Electronic shifting function based shift/brake lever allows for more compact, more ergonomic hood and lever design
  - » Reservoir tank provides pad clearance auto-adjust to maintain consistent pad clearance
- **Both lever Reach Adjust and Free Stroke adjust possible**
- **Weight: 500g (Pair)**

SC-MT800
System Information Display

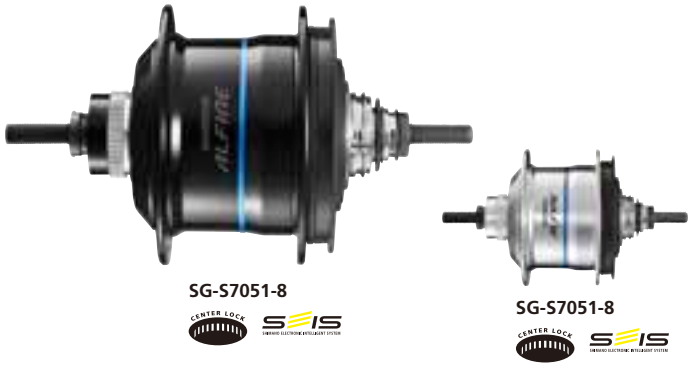
- **System information display with wireless communication**
  - » E-TUBE setting with smart phone/tablet
- **Weight: 30g**



NEW

SG-S7051-11
Internal Geared Hub for Disc Brake (11-speed)

- **Improved internal structure for better gear engagement**
- **Smooth shifting performance**
- **Improved performance for both E-BIKE and non-E-BIKE usage**
- **Color options: Black, Silver**



SG-S7051-8
Internal Geared Hub for Disc Brake (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- **Gear ratio: 307%**
- **Weight: 1,670g**
- **Color options: Black, Silver**



SM-S705
Small Parts Set

MU-S705
Motor Unit

SHIMANO Nexus

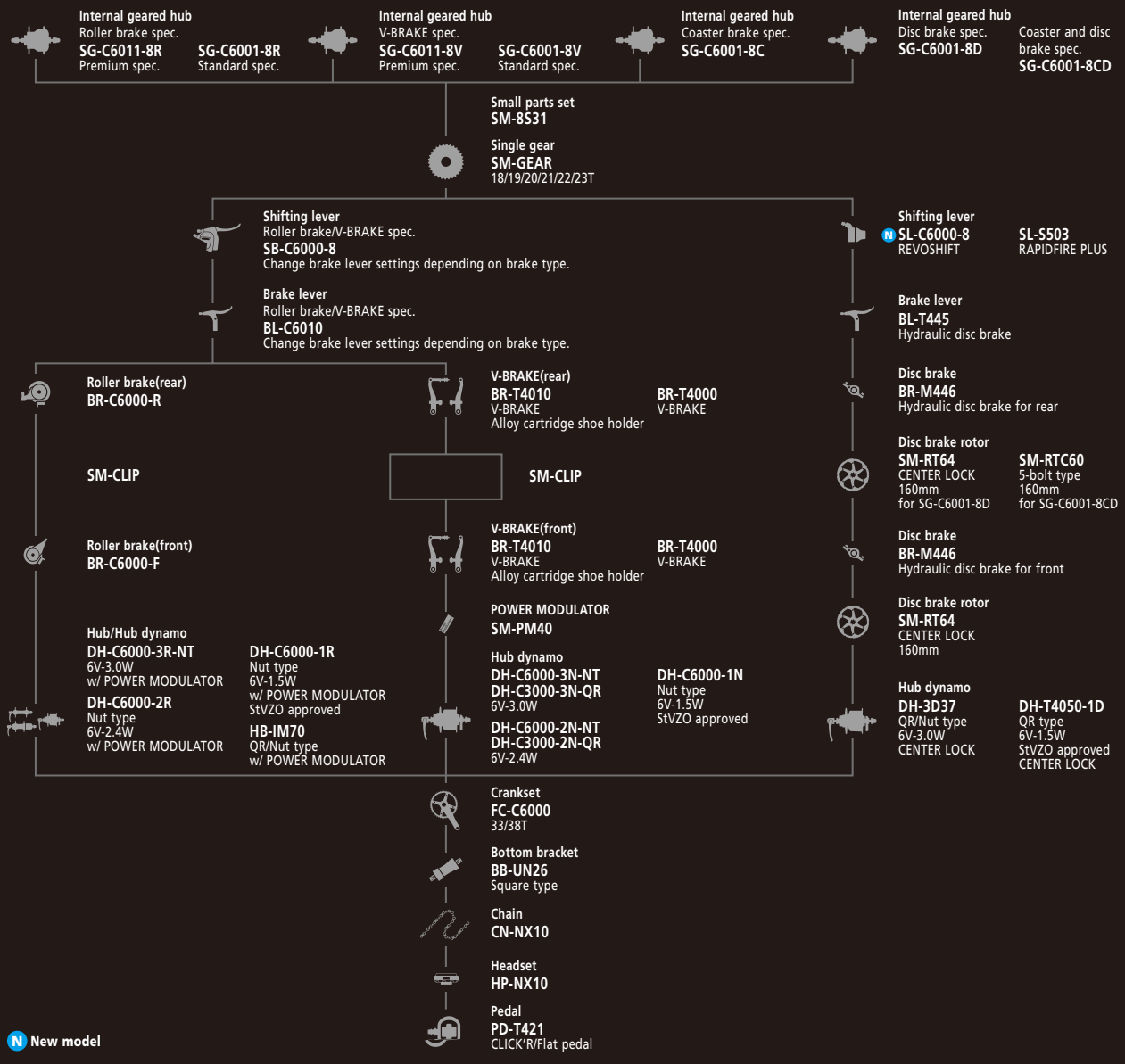
THE STANDARD IN INTERNAL GEARED HUBS

The NEXUS 8-speed system delivers a high level of design, quality and function. Many technical advances have been achieved, like incorporating SHIMANO's unique Gear Change Support mechanism that makes a real low effort shifting.

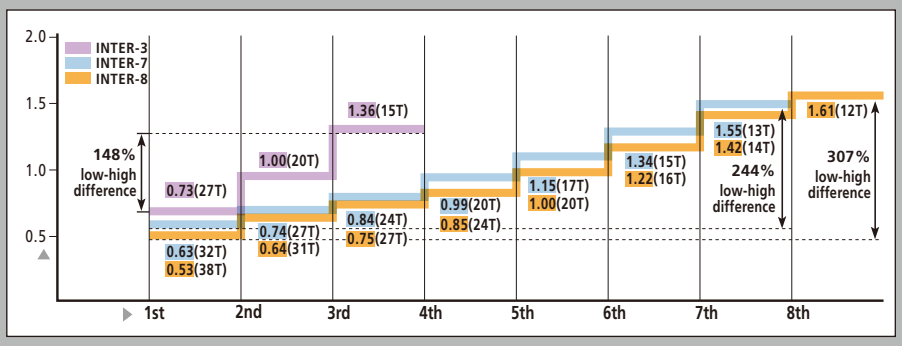
❖ MAJOR BENEFITS

- Gear Change Support mechanism, using pedaling power for light shifting
- Reliable sealing
- Robust construction for long service life

❖ INTER-8



N New model



INTER-8, INTER-7, and INTER-3 Wide-Range Gearing

The table at the left shows the relative gear ratio when used with a 20T sprocket. The numbers in parenthesis show the sprocket size that each gear ratio corresponds to in a derailleur system.

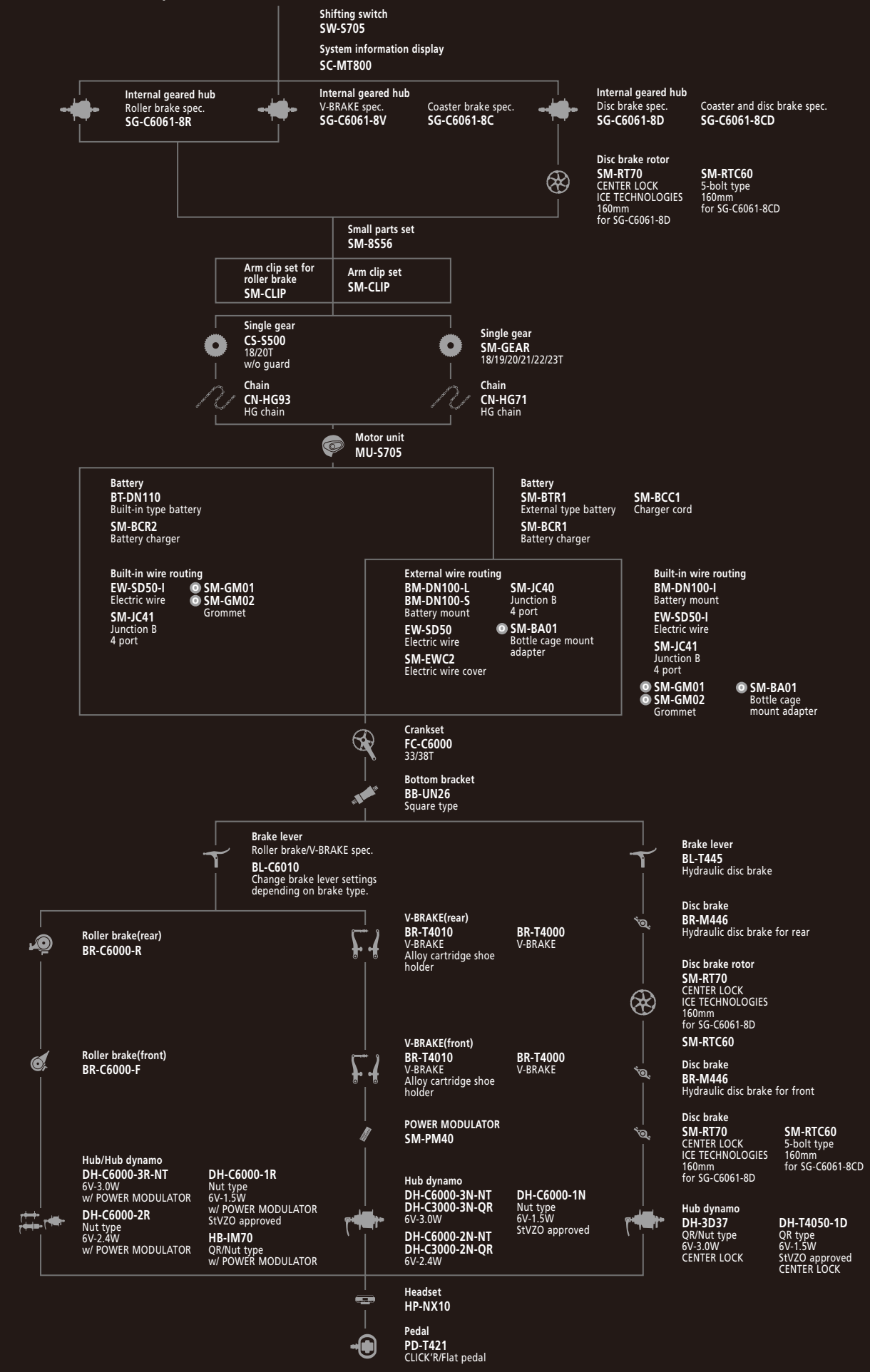
QUICK TIP

⚠CAUTION

Please use a non-turn washer to secure the hub axle into the dropout of the frame.

SHIMANO Nexus

❖ INTER-8 Electronic spec

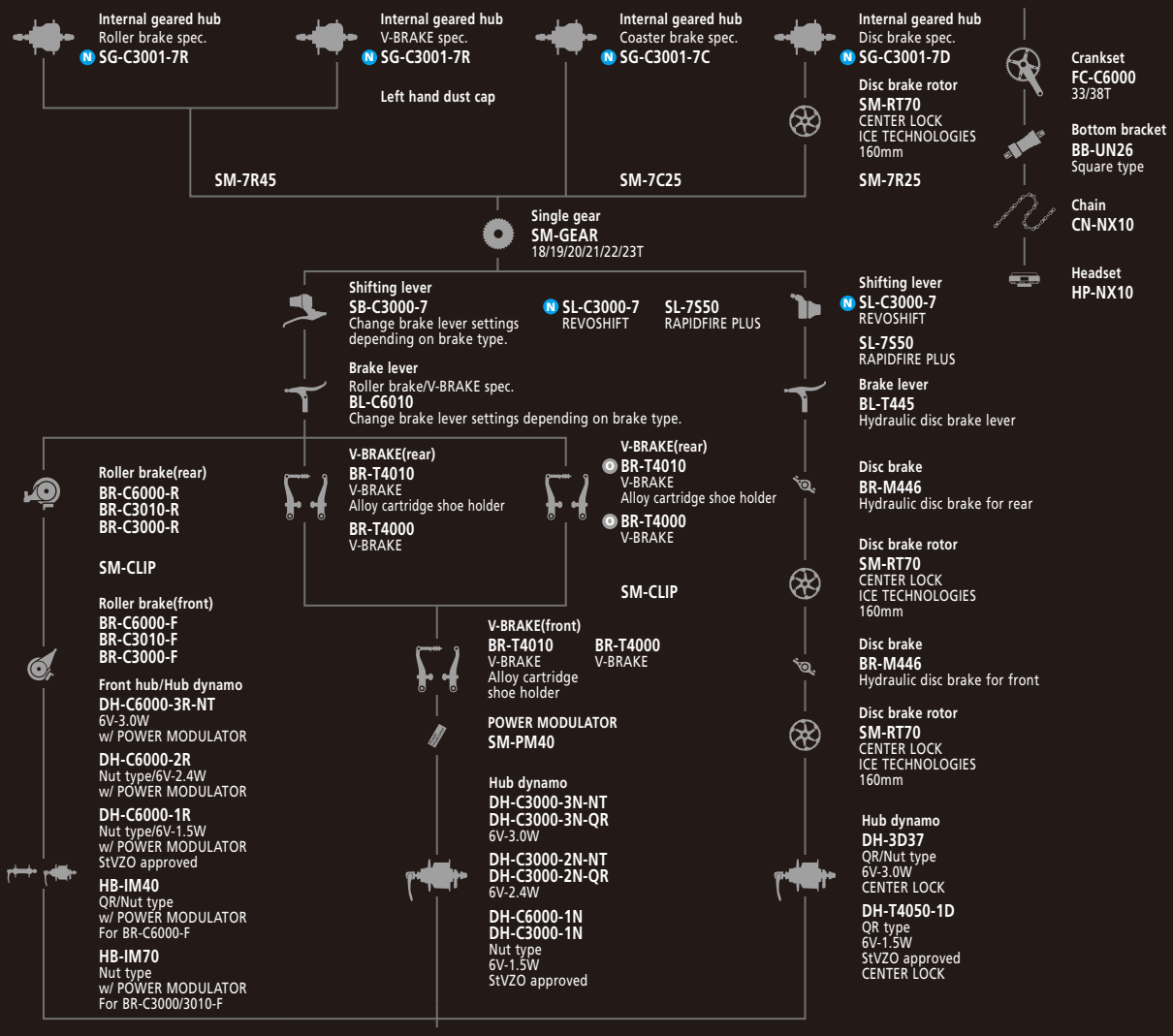


>>> http://productinfo.shimano.com/lineupchart.html

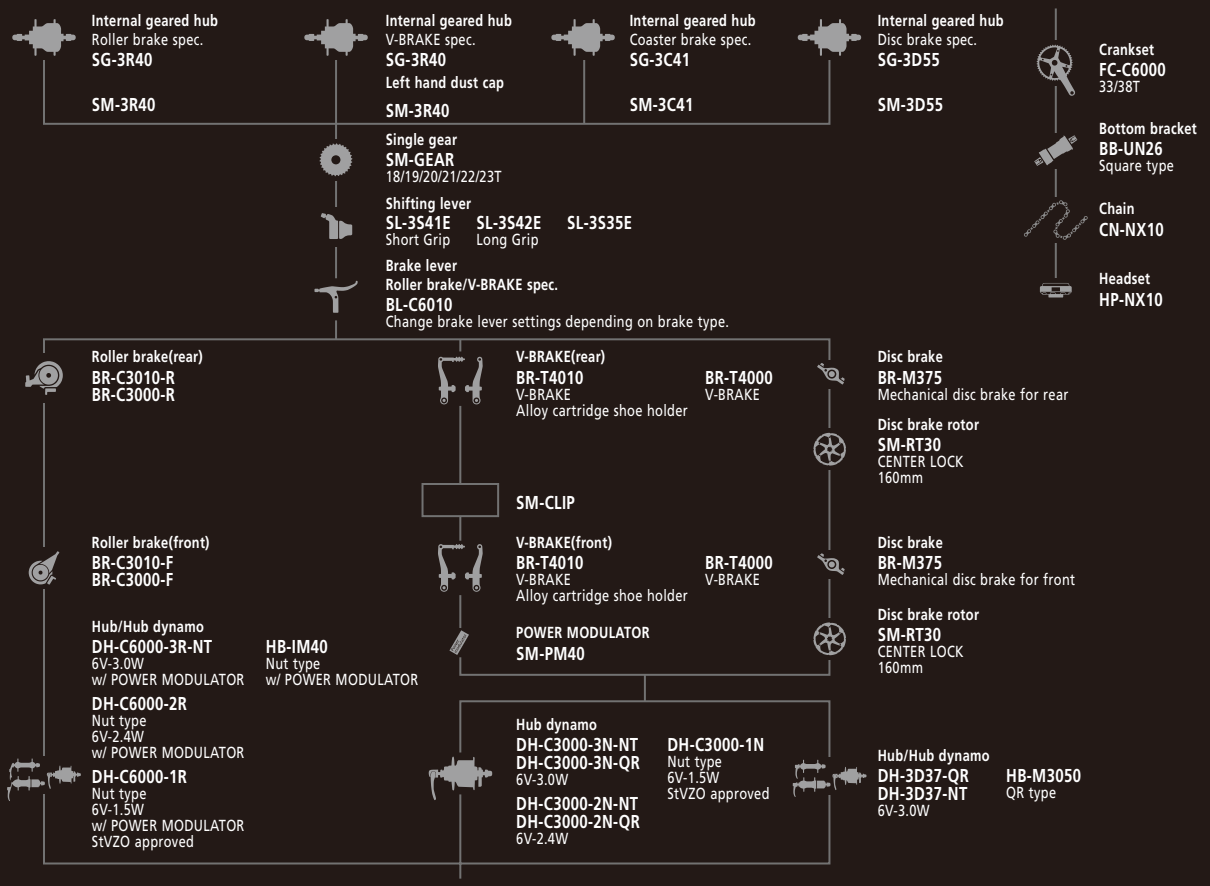
O Option

SHIMANO Nexus

INTER-7



INTER-3



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Nexus INTER 8



SG-C6001-8D



SG-C6001-8CD



SG-C6001-8C



SG-C6001-8R



SG-C6001-8V



SG-C6011-8R



SG-C6011-8V

SG-C6001-8D
Internal Geared Hub for Disc Brake (8-speed)

SG-C6001-8CD
Internal Geared Hub for both Coaster and Disc Brake (8-speed)

SG-C6001-8C
Internal Geared Hub for Coaster Brake (8-speed)

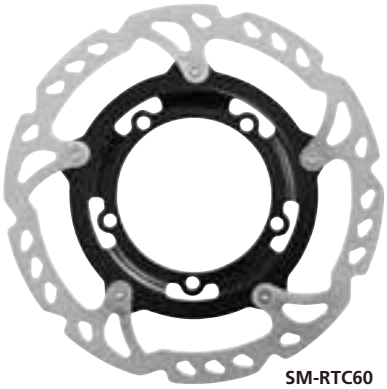
SG-C6001-8R
Internal Geared Hub for Roller Brake (8-speed)

SG-C6001-8V
Internal Geared Hub for V-BRAKE (8-speed)

SG-C6011-8R
Premium Version Internal Geared Hub for Roller Brake (8-speed)

SG-C6011-8V
Premium Version Internal Geared Hub for V-BRAKE (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- **Gear ratio: 307%**
- **Weight: 1,730g (SG-C6001-8D)**
  2,090g (SG-C6001-8CD)
  2,040g (SG-C6001-8C)
  1,710g (SG-C6001-8R)
  1,735g (SG-C6001-8V)
  1,660g (SG-C6011-8R)
  1,685g (SG-C6011-8V)
- **Color options: Black, Silver**



SM-RTC60

SM-RTC60
5-bolt Disc Rotor

- **Advanced safety and control for a wide range of riders**
  - » Triple brake internal hub gear is equipped with front and rear disc brakes, plus a coaster brake for additional support
    - Specially sized 5-bolt disc brake mount
- **Color options: Black, Silver**

SHIMANO Nexus INTER 8



SG-C6061-8D



SG-C6061-8CD



SG-C6061-8C



SG-C6061-8R



SG-C6061-8V

SG-C6061-8D
Internal Geared Hub for Disc Brake (8-speed)

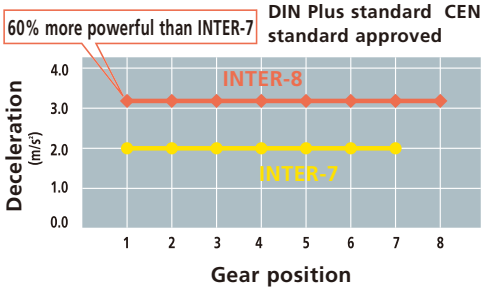
SG-C6061-8CD
Internal Geared Hub for both Coaster and Disc Brake (8-speed)

SG-C6061-8C
Internal Geared Hub for Coaster Brake (8-speed)

SG-C6061-8R
Internal Geared Hub for Roller Brake (8-speed)

SG-C6061-8V
Internal Geared Hub for V-BRAKE (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- **Gear ratio: 307%**
- **Weight: 1,680g (SG-C6061-8D)**
  2,080g (SG-C6061-8CD)
  2,040g (SG-C6061-8C)
  1,660g (SG-C6061-8R)
  1,685g (SG-C6061-8V)
- **Color options: Black, Silver**



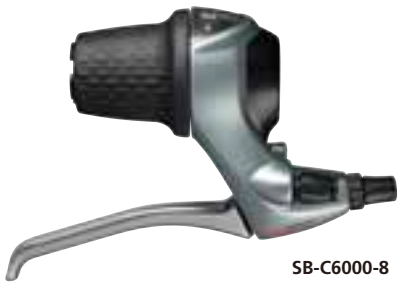


SL-C6000-8

NEW

SL-C6000
REVOSHIFT Shifter (8-speed)

- **Improved overall internal geared hub system efficiency**
  - ・ Upgraded internal structure for a more precise shifting feel
- **New and updated design, complementing the NEXUS series**
- **Color options: Black, Silver**



SB-C6000-8

SB-C6000-8
REVOSHIFT shifter with 4-finger Brake Lever (8-speed)

- **New shift/brake lever**
  - » Integrated and refreshing design
- **Improved shifting effort**
  - » Compared to SL-C6000-8
- **Boosting greater braking power**
  - » By applying same brake lever ratio as BL-C6010
- **Color options: Black, Silver**



BL-C6010

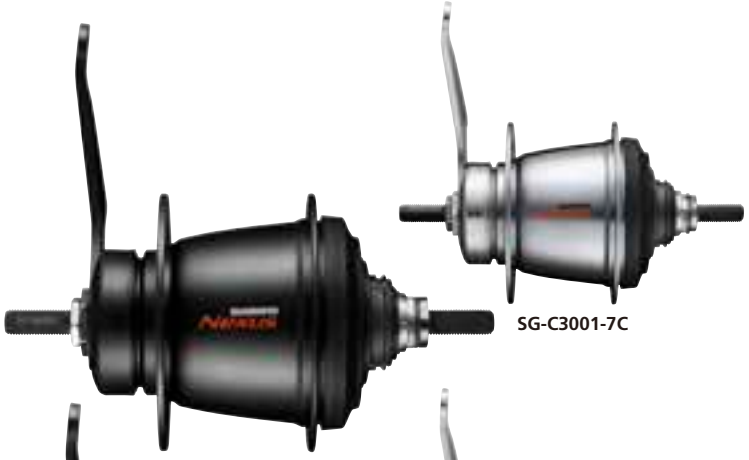


BL-C6010

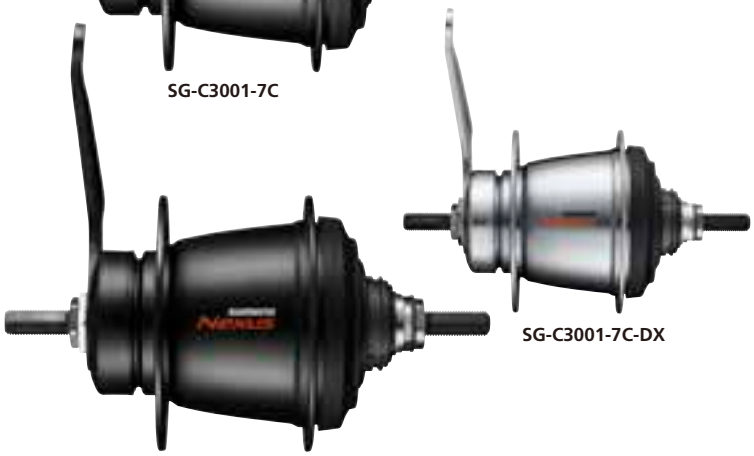
BL-C6010
Brake Lever

- **Improved braking performance under heavy load**
  - » Recalibrated brake lever ratio for more stopping power
    - ・ New brake lever ratio: 2.8
- **Color options: Black, Silver**

SHIMANO Nexus SHIMANO INTER 7



SG-C3001-7C



SG-C3001-7C-DX



SG-C3001-7D



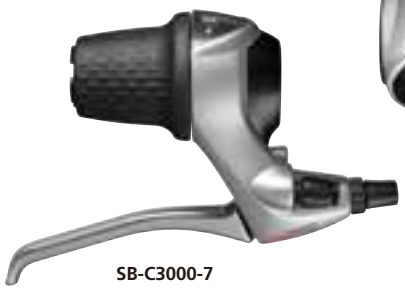
SG-C3001-7R



SL-7S50



SL-C3000-7



SB-C3000-7

NEW

SG-C3001-7C

Internal Geared Hub for Coaster Brake (7-speed)

- **Improved internal gear engagement that allows for a smoother ride**
- **New, updated and polished design that complements the bike**
  » Steel hub shell
- **Deluxe version (SG-C3001-7C-DX)**
- **Color options: Black, Silver**

NEW

SG-C3001-7D

Internal Geared Hub for Disc Brake (7-speed)

- **Improved internal gear engagement that allows for a smoother ride**
- **New, updated and polished design that complements the bike**
  » Aluminum hub shell
- **Disc version for sportier-styled bikes**
  » Disc brake specification for a greater variety of bikes
  ・CENTER LOCK
- **Color options: Black, Silver**

NEW

SG-C3001-7R

Internal Geared Hub for Roller Brake (7-speed)

- **Improved internal gear engagement that allows for a smoother ride**
- **New, updated and polished design that complements the bike**
  » Aluminum hub shell
- **Color options: Black, Silver**

SL-7S50

RAPIDFIRE PLUS Shift Lever (7-speed)

- **2WAY-RELEASE**
- **Low-normal compatibility**
- **Color options: Black, Silver**

NEW

SL-C3000

REVOSHIFT Shifter (7-speed)

- **Improved overall internal geared hub system efficiency**
  ・Upgraded internal structure for a more precise shifting feel
- **New and updated design, complementing the NEXUS series**
- **Color options: Black, Silver**

SB-C3000-7

REVOSHIFT shifter with 4-finger Brake Lever (7-speed)

- **New shift/brake lever**
  » Integrated and refreshing design
- **Improved shifting effort**
  » Compared to SL-C6000-8
- **Boosting greater braking power**
  » By applying same brake lever ratio as BL-C6010
- **Matching Brake lever : BL-C6010 series**
- **Color options: Black, Silver**

SHIMANO Nexus SHIMANO INTER3



SG-3R40



Left Hand Dust Cap for use without Roller Brake

SG-3R40
INTER-3 Rear Hub (3-speed)

- **Internal Gear Shifting**
  » Gear shifting action is independent of pedaling. You can shift gears anytime, while standing still, pedaling or coasting
- **Shift Modulator Mechanism**
  » Smoothes out the shifting action while pedaling
- **Gear Change Support Mechanism**
- **Weight: 885g**
- **Color options: Black, Silver, White**



SG-3D55



SG-3D55



SG-3C41

SG-3C41
INTER-3 Rear Hub (3-speed)

- **Internal geared hub for Coaster Brake version**
- **Integral Coaster Brake**
- **Gear Change Support Mechanism**
- **Weight: 1,120g**

SG-3D55
INTER-3 Rear Hub (3-speed)

- **Internal geared hub for Disc Brake version**
- **Gear Change Support Mechanism**
- **Aluminum hub shell**
- **CENTER LOCK Rotor mount system**
- **Weight: 945g**
- **Color options: Black, Silver**



SL-3S41E
SL-3S42E



SL-3S35E



SL-3S35E

SL-3S41E
REVOSHIFT Shifter (3-speed)

SL-3S42E
REVOSHIFT Shifter (3-speed)

SL-3S35E
REVOSHIFT Shifter (3-speed)

- **Twist shifting action**
  » Low-effort rotational shift action doesn't depend on finger strength, keeps your hands on the handlebars
- **Optical Gear Display**
- **Full range shift action**
  » No need to sequentially shift through each gear. Just rotate the grip to the gear you need
- **2 different grip lengths: SL-3S41E (short)**
  SL-3S42E (long)

SHIMANO Nexus



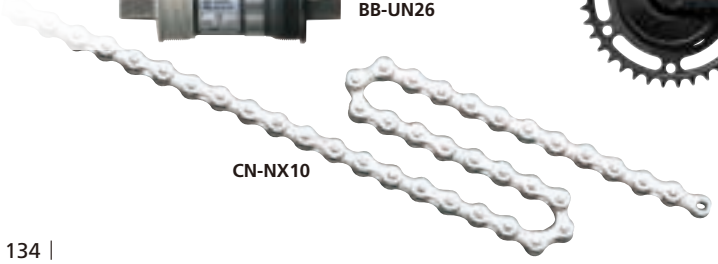
FC-C6000



FC-C6000



BB-UN26



CN-NX10

FC-C6000
Crankset

BB-UN26-K
Cartridge Bottom Bracket

- **Refined appearance**
- **The shape and surface treatment offer an attractive design**
- **Chainring: 33T, 38T (steel)**
- **Color options: Black, Silver**

CN-NX10
Chain

- **Anti-Corrosion**
  » Anti-corrosion treatment for longer service life



BR-C6000-F



BR-C6000-R

BR-C6000
Hub Roller Brake

- **Improved braking performance under heavy load**
  - » Overachieves EN (130kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010



BR-C3010-F



BR-C3010-R

BR-C3010
Hub Roller Brake

- **Improved braking performance under heavy load**
  - » Overachieves EN (100kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010
  - » Wide diameter rotor expedites heat dissipation



BR-C3000-F



BR-C3000-R

BR-C3000
Hub Roller Brake

- **Improved braking performance under heavy load**
  - » Overachieves EN (100kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010
  - » Standard heat dissipation



HP-NX10

HP-NX10
NEXUS Headset Lock

- **Locking Action**
  - » Headset lock replaces upper headset components to provide a fork locking function that stabilizes the parked bicycle

SHIMANO Hub Dynamos



DH-C6000-3N-NT

3.0W



DH-C6000-2N-NT

2.4W

DH-C6000-3N-NT
Hub Dynamo 3.0W for V-BRAKE

DH-C6000-2N-NT
Hub Dynamo 2.4W for V-BRAKE

- **6V-3.0W (DH-C6000-3N-NT)**
  6V-2.4W (DH-C6000-2N-NT)
- **Stable performance and better durability**
  » Improved sealing structure
  » Updated looks for the best match with C6000 (black, silver)
- **Weight: 712g**
- **Color options: Black, Silver**



DH-C6000-1R

1.5W



DH-C6000-1R

1.5W

DH-C6000-1N
1.5W for V-BRAKE, C6000 grade

DH-C3000-1N
1.5W for V-BRAKE, C3000 grade

DH-C6000-1R
1.5W for Roller Brake

DH-C6000-2R
2.4W for Roller Brake

- **StVZO approved**
- **DH-C3000/6000-1N Series**
  » Optimized for 6V-1.5W output
  » Overall lighter and more compact structure
- **Refined appearance for roller brake version**
- **Weight: 1,027g (DH-C6000-2R)**
- **Color options: Black, Silver**



DH-C3000-1N

1.5W



DH-C3000-1N

1.5W



DH-C3000-3N-NT

3.0W



DH-C3000-3N-QR

3.0W



DH-C3000-2N-NT

2.4W



DH-C3000-2N-QR

2.4W

DH-C3000-3N-NT
Hub Dynamo 3.0W for V-BRAKE

DH-C3000-3N-QR
Hub Dynamo 3.0W for V-BRAKE

DH-C3000-2N-NT
Hub Dynamo 2.4W for V-BRAKE

DH-C3000-2N-QR
Hub Dynamo 2.4W for V-BRAKE

- **6V-3.0W (DH-C3000-3N-NT/QR)**
  6V-2.4W (DH-C3000-2N-NT/QR)
- **Stable performance and better durability**
  » Improved sealing structure
  » Updated looks for the best match with C3000 (black, silver)
- **Weight: 712g (DH-C3000-3N-NT)**
  700g (DH-C3000-3N-QR)
  705g (DH-C3000-2N-NT)
  700g (DH-C3000-2N-QR)
- **Color options: Black, Silver**



DH-3D37

3.0W Disc Brake



DH-3D37

3.0W Disc Brake



DH-3D32

3.0W Disc Brake

DH-3D37 (QR/NT)
for Disc Brake

DH-3D32 (QR/NT)
for Disc Brake

- **6V-3.0W**
- **CENTER LOCK Specification available (DH-3D37)**
- **6-Bolt Rotor Specification available (DH-3D32)**
- **Internal aluminum coil structure**
- **Overall lighter structure**
- **Color options: Black, Silver**



DH-F703

3.0W

DH-F703/F703-S
Hub Dynamo (6V-3.0W)

- **Designed for the small wheel bike**
- **O.L.D.: 74mm**
- **Radial lacing possible**
- **SHIMANO logo (DH-F703-S)**

SHIMANO Sport Hub Dynamos



DH-3N72

3.0W

DH-3N72/DH-3D72

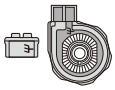
- 6V-3.0W: DH-3N72/3D72
- Lightweight
  » Aluminum coil structure
- Economical and Ecological
- High quality sealed mechanism (same level as ULTEGRA)
- Hub rotation performance: ULTEGRA grade featuring super polished bearing races
- CENTER LOCK (DH-3D72)
- Quick release



DH-3D72

3.0W | Disc Brake

Overview of terminal

Terminal type	J1	J2		E2
LP				
DH				

J1: Current Japanese market standard (single light cord)
J2: Single/double cord system compatible
E2: Same as current European standard SHIMANO double terminal

HG Cassette Sprocket

capreo
SHIMANO



CS-HG70-S

HG HYPERGLIDE

CS-HG70-S

HG Cassette Sprocket (9-speed)

- 9T top gear for lightweight (9-26T)

Complete Range for Variety of Usage

QR Quick Release
NUT Nut Type

Standard	V-BRAKE	Disc Brake	Roller Brake
3.0W	NUT DH-C6000-3N • 16"-28" wheel 400-716mm wheel  QR NUT DH-C3000-3N • 16"-28" wheel 400-716mm wheel  QR DH-F703 • CAPREO logo • 16"-20" wheel 400-536mm wheel  QR DH-F703-S • SHIMANO logo • 16"-20" wheel 400-536mm wheel	QR NUT DH-3D37 • CENTER LOCK rotor mount • 16"-28" wheel 400-716mm wheel  QR NUT DH-3D32 • 6-bolt rotor mount • 16"-28" wheel 400-716mm wheel 	—
2.4W	NUT DH-C6000-2N • 16"-28" wheel 400-716mm wheel  QR NUT DH-C3000-2N • 16"-28" wheel 400-716mm wheel 	—	NUT DH-C6000-2R • 26"-28" wheel 646-716mm wheel 
1.5W	NUT DH-C6000-1N • 20"-28" wheel 448-716mm wheel  QR DH-T4000-1N • 18"-28" wheel 448-716mm wheel	QR DH-T4050-1D • 18"-28" wheel 448-716mm wheel 	NUT DH-C6000-1R • 16"-28" wheel 646-716mm wheel 

Complete Range for Variety of Usage

QR Quick Release
NUT Nut Type

Sports	V-BRAKE	Disc Brake	Roller Brake
3.0W	QR  DH-T8000 • 26"-28" wheel 646-716mm wheel QR  DH-T670-3N • 26"-28" wheel 646-716mm wheel QR  DH-3N72 • 26"-28" wheel 646-716mm wheel	QR  DH-S501 • CENTER LOCK rotor mount • 26"-28" wheel 646-716mm wheel QR  DH-3D72 • CENTER LOCK rotor mount • 26"-28" wheel 646-716mm wheel QR  DH-T675 • CENTER LOCK rotor mount • 26"-28" wheel 646-716mm wheel	—
2.4W	QR  DH-T670-2N • 26"-28" wheel 646-716mm wheel	—	—
1.5W	QR  DH-1N70 • 20"-28" wheel 492-716mm wheel	QR  DH-T785-1D • 20"-28" wheel 492-716mm wheel QR  DH-S701 • 20"-28" wheel 492-716mm wheel	—

ROAD BIKE

Reliable racing quality for faster sports performance

Flying over roads like the wind, entirely unrestrained, we aim for greater speed and enjoyment. SHIMANO road bike components respond, backed by a long history of innovative research -- from aerodynamics to ergonomics. This results in smooth, precise, shift changes, a drivetrain system with loss-free propulsion, and a braking system with high reliability. Together, they let the rider concentrate on the ride, for stress-free enjoyment. Road technologies accumulated in grueling races where every second counts match the style of each and every rider, novice or pro, to deliver an uncompromising performance. SHIMANO components are designed for people who love the road, in every part of the world.



SYSTEM SUPREMACY

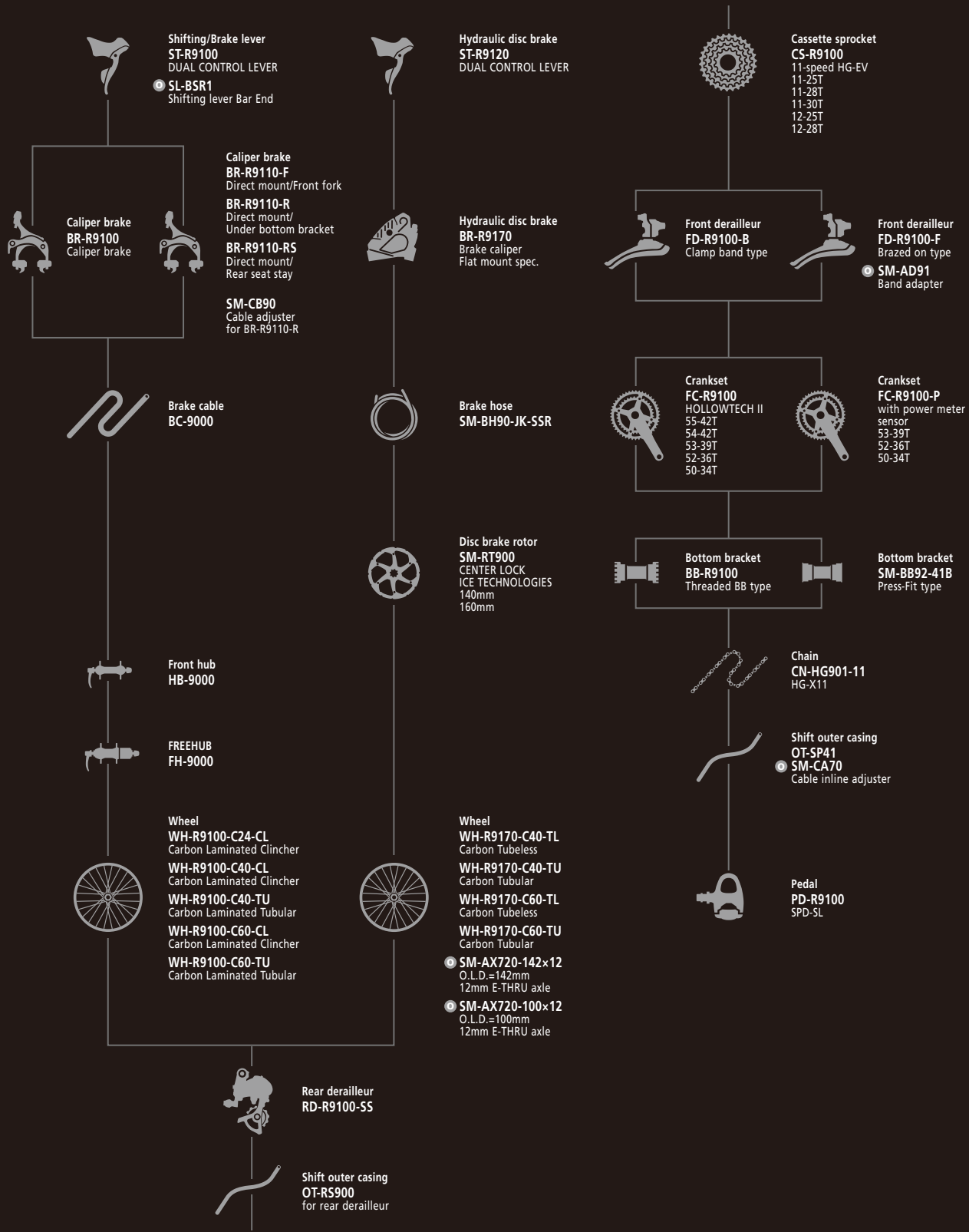
System engineering at its peak. Each of the components magnifies the qualities of the others for an unparalleled level of performance. Optimizing input to maximize output. That's how it achieves supremacy.



❖ MAJOR BENEFITS

- New designed crank arm for optimum power transfer
- Precise & easy front derailleur set with lighter and intuitive shifting operation
- SHIMANO SHADOW RD construction for stable shifting performance
- Optimally balanced hydraulic brake system for racing with improved heat dissipation of ICE TECHNOLOGIES FREEZA

❖ 2x11-speed



❖ Electronic Specification 2x11-speed

See page 150

O Option

>>> http://productinfo.shimano.com/lineupchart.html

DURA-ACE



ST-R9100

SL-R-EV



SL-BSR1



FD-R9100-F



FC-R9100

HG-EV



FC-R9100-P

HG-EV

Bluetooth®

ST-R9100
DUAL CONTROL LEVER (2x11-speed)

ST-R9120
Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **Quick and intuitive rear shifting operation**
  - » Shorter lever stroke
    - Redesigned internal shifting unit
  - » Lighter front shifting operation
    - Redesign front system with new front derailleur
- **Comfortable grip and operation**
  - » More customizable and precise lever position
    - expanded reach adjustment range (14mm)
      Mechanical Brake
- **Consistent braking performance in all weather conditions**
  - » Easy brake control Hydraulic Brake
- **Weight: 365g (ST-R9100, Pair)**
  505g (ST-R9120, Pair)

SL-BSR1
Bar end Shift Lever (2x11-speed)

- **Precision-engineered 11-speed index bar end shift lever**
- **Weight: 153g (Pair)**

FD-R9100-B/F
Front Derailleur (2x11-speed)

- **Lighter and intuitive shifting operation**
  - » Natural front shift lever stroke
  - » More ergnomical power curve
    - New link (Toggle) construction
- **Precise & easy front derailleur set up**
  - » More cable routing options
  - » Integrated cable tension adjustment
    - New link (Toggle) construction for no need of TL-FD90 and turning converter assembling
  - » Adjustable cable tension on the front derailleur
- **Adapted for race specific frame design**
  - » Available wider front gear pitch
    - Shorter length of rear center with O.L.D.135mm
- **Chain stay angle: 61-66°**
- **Total capacity: 16T**
- **Weight: 70g (FD-R9100-F)**

FC-R9100
HOLLOWTECH II Crankset (2x11-speed)

- **Optimum power transfer**
  - » Best balance for lighter weight (-7g) and efficiency
    - New designed crank arm
  - » Maintains high rigidity and reduces weight
    - HOLLOWGLIDE
    - 4-arm construction crankset
- **Adapted for race specific disc brake system**
  - » Shorter length of rear center with O.L.D.135mm
    - Redesign the gear teeth profile to fit wider gear pitch
- **Rider tuned gearing options**
- **Iconic design**
- **Crank arm length: 165, 167.5, 170, 172.5, 175, 177.5, 180mm**
- **Gear combination: 50-34T, 52-36T, 53-39T, 54-42T, 55-42T**
- **Weight: 609g (50-34T)**
  621g (53-39T)

FC-R9100-P
Power Meters HOLLOWTECH II Crankset (2x11-speed)

- **Integrated design**
  - » Reliable electric system
  - » Waterproof in all conditions
- **Easy maintenance**
  - » Integrated rechargeable battery
    - Battery charged for less trouble
  - » Easily change chainrings without affecting power
- **Clearance with frame**
  - » Enough clearance with our direct mount brake caliper
- **Accurate date collection**
  - ±2% *1 accuracy of strain gage measured power in full-range
    *1: 300w,90rpm
  - Stable power measurement system at the various stepping positions
- **Active temperature compensation**
  - » Own developed strain gauge
  - » Software compensate automatically
- **Battery:Rechargeable Li-ion battery**
- **300+ hours of ride time**
- **Quick response and operation without stress**
  - » Possible to start quickly
    - Simple zero reset with switch on transmitter
  - » Direct response
    - Both left and right side connected with cable
    - Magnet based cadence
  - » Bluetooth®LE and ANT+
  - » Wireless firmware update system
- **Crank arm length: 170, 172.5, 175 mm (w/ chainrings)**
  165, 167.5, 170, 172.5, 175, 177.5, 180 mm (w/o chainrings)
- **Weight: +70 g from FC-R9100**
  691 g (170 mm, 53-39T, w/o bottom bracket)



BB-R9100



SM-BB92-41B

BB-R9100
Bottom Bracket

SM-BB92-41B
Press-Fit Type Bottom Bracket

- **Bottom bracket with small ball bearings for lightweight**
- **Advanced seal construction for smoother rotation**
- **Weight: 65g (BB-R9100)**
  54g (SM-BB92-41B)



RD-R9100-SS

SHIMANO SHADOW RD

RD-R9100-SS
SHIMANO SHADOW RD (11-speed)

- **Stable shifting performance**
  » Pulley follow-up in certain distance
  ・ SHIMANO SHADOW RD construction
  » Low profile rear derailleur design
- **Race endurance for less damage in crash**
- **Adapted for race specific frame design**
- **Total capacity: 35T**
- **Weight: 158g**



CS-R9100

HG-EV

OT-RS900
Shift Outer Casing For Rear Derailleur

- **Color options: Black, White, Red, High-tech gray**

CS-R9100
HG Cassette Sprocket (11-speed)

- **Rider tuned gearing**
- **Lightweight**
  » CFRP & Alloy spider arm, 5 titanium sprockets
- **Gear combination: 11-25T, 11-28T, 11-30T (New gear combination), 12-25T, 12-28T**
- **Weight: 175g (11-25T)**
  193g (11-28T)
  211g (11-30T)
  189g (12-25T)
  205g (12-28T)



CN-HG901-11

HG-X11

SIL-TEC

CN-HG901-11
Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **HG-X11 special asymmetric plate design for 11-speed**
  » Rear drive
  Smooth driving without noise
  » Front drive
  Preserve chain security at cross chainline
  » Front & Rear Shift
  Smooth and reliable shifting
- **SIL-TEC on Plate/Roller**
- **Hollow pin**
- **Weight: 247g (114Link)**



SM-CN900-11

SM-CN900-11
QUICK-LINK

- **Easy connect**
  » Tool-free assembly (possible)
  » Non-reusable
- **Compatible with current 11-speed chains**
- **Quick assembly tool**
  » TL-CN10



BR-R9100-F

SLR-EV



BR-R9100-R

SLR-EV

BR-R9100

Dual-Pivot Brake Caliper

- **The best balance between rigidity, weight and stopping power**
  - » More predictable, linear braking curve
  - » Clear contact feeling with better linearity
    - Stabilizer added between axles work
- **Sleek design**
  - » Less gap between each arms
- **Comfortable riding with wider tire on rough road**
  - » Better clearance for wider tire
    - Compatible with 28C tire size
- **Weight: 326g (Pair)**



BR-R9110-F

SLR-EV

BR-R9110-F

Direct Mount Type Brake Caliper

BR-R9110-R

Under Bottom Bracket Mount Type for Rear Brake

BR-R9110-RS

Rear Seat Stay Mount Type Direct Mount Type Brake Caliper

- **Increased overall braking performance**
  - » Integrated sleek low-profile caliper design
- **Comfortable riding with wider tire on rough road**
  - » Better clearance for wider tire
    - Compatible with 28C tire size
- **Intuitive braking control**
  - » Smooth and light operation
    - SLR-EV technology
- **Weight: 150g (BR-R9110-F, pc)**
  139g (BR-R9110-R, pc)
  145g (BR-R9110-RS, pc)



SM-CB90

BC-9000

Brake Cable

- **Polymer coating reduces friction**

SM-CB90

Inline Brake Cable Adjuster

- **Inline brake cable adjuster with quick release for BR-R9110-R**



BR-R9170

ONE WAY BLEEDING



BR-R9170

ONE WAY BLEEDING

BR-R9170

Hydraulic Disc Brake Caliper

SM-RT900

CENTER LOCK Disc Rotor

- **Better control and confidence in race conditions**
  - » Optimally balanced hydraulic brake system for racing
  - » Light weight
  - » Improved heat dissipation
    - ICE TECHNOLOGIES FREEZA
- **Simple set up and maintenance**
  - » Easy tool access
  - » Easy wheel replacement
    - Wide pad clearance and chamfer of brake pads
  - » Easy and clean bleeding system
    - ONE WAY BLEEDING
- **Powerfully integrated brake performance**
  - » Integrated low-profile caliper design
    - FLAT MOUNT system
- **Size: 140,160mm (SM-RT900)**
- **Weight: 256 g (BR-R9170, Pair)**
  118 g (SM-RT900, 160 mm)
  100 g (SM-RT900, 140 mm)



SM-RT900

CENTER LOCK

ICE TECHNOLOGIES FREEZA

CARBON TUBULAR

CARBON COMPOSITE CLINCHER

WH-R9100-C60

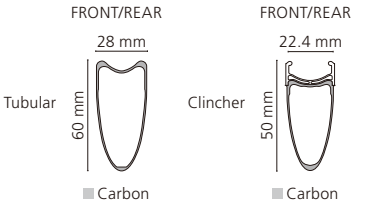
Relentless tri & road tace performance

- **For the performance driven triathlete and road racer**
- **Balanced low inertia & aerodynamics**
- **Aerodynamic performance**
  » D2 Rim
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Ultra-light full carbon rim (WH-R9100-C60-TU)
- **Easy maintenance**
  » Digital cone bearing adjustment system



WH-R9100-C60-TU WH-R9100-C60-CL





	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C60						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C60-TU	Tubular	Quick Release	Carbon	11/10-speed	130 mm	666 g	830 g
WH-R9100-C60-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	832 g	1,019 g

CARBON TUBULAR

CARBON LAMINATED CLINCHER

WH-R9100-C40

Pro-tour's race pick

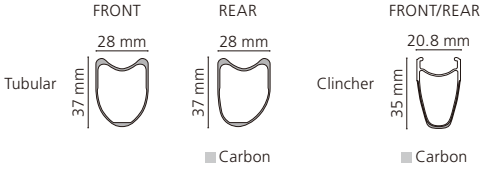
- **Best all-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Ultra-light full carbon rim (WH-R9100-C40-TU)
- **Easy maintenance**
  » Digital cone bearing adjustment system

WH-R9100-C40-CL



WH-R9100-C40-TU WH-R9100-C40-CL





	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C40						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C40-TU	Tubular	Quick Release	Carbon	11/10-speed	130 mm	637 g	747 g
WH-R9100-C40-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	674 g	834 g

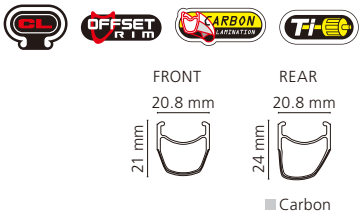
CARBON LAMINATED CLINCHER



WH-R9100-C24

Feel the rush of an ultra-light clincher

- **Lightweight wheelset**
- **Improved drive rigidity**
  - » Wide flange hub and OFFSET RIM for high rigidity and power transmission
- **Lightweight within rigid**
  - » Carbon laminate rim
- **Efficient drivetrain**
  - » Lightweight Titanium FREEHUB body
- **Easy maintenance**
  - » Digital cone bearing adjustment system

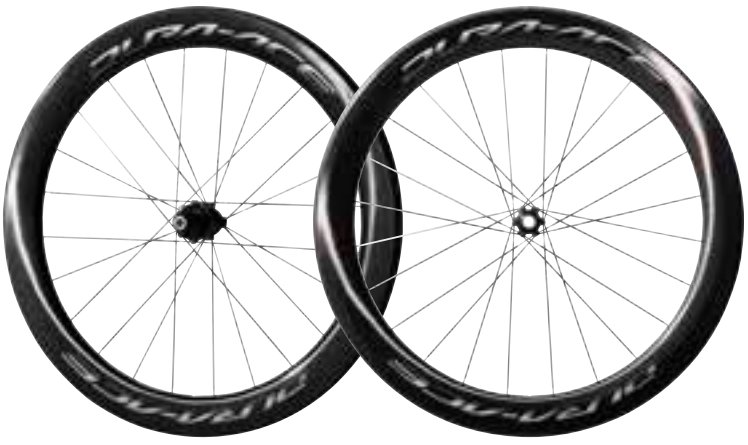


	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C24						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C24-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	618 g	835 g

CARBON TUBULAR (E-THRU)

CARBON TUBELESS (E-THRU)

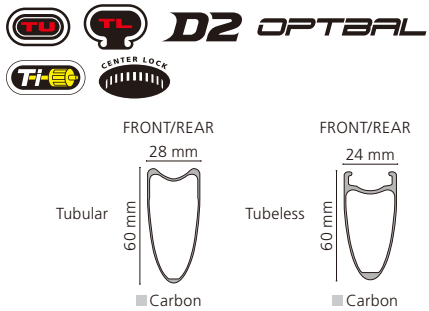


WH-R9170-C60-TU WH-R9170-C60-TL

WH-R9170-C60

Pro race performance, all-weather confidence

- **For the performance driven triathlete and road racer**
- **Balanced low inertia & aerodynamics**
- **Aerodynamic performance**
  - » D2 rim
- **Improved drive rigidity**
  - » OPTBAL spoke system
- **Lightweight within rigid**
  - » Road E-THRU 12 mm
  - » Ultra-light full carbon rim
- **Disc brake system**
  - » CENTER LOCK

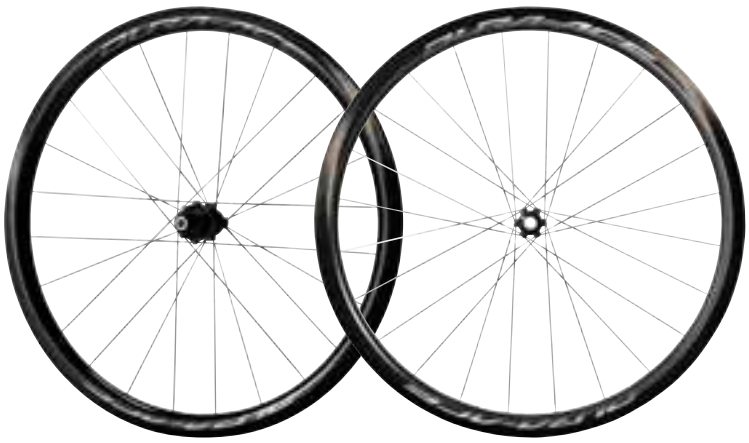


	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9170-C60						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9170-C60-TU	Tubular	12 mm E-THRU	Carbon	11/10-speed	142 mm	671 g	829 g
WH-R9170-C60-TL	Tubeless	12 mm E-THRU	Carbon	11/10-speed	142 mm	745 g	902 g

CARBON TUBULAR (E-THRU)

CARBON TUBELESS (E-THRU)

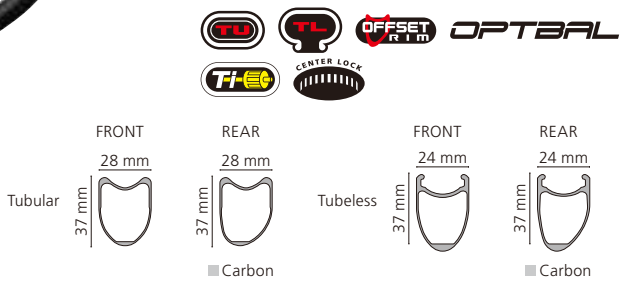


WH-R9170-C40-TU WH-R9170-C40-TL

WH-R9170-C40

Pro-tour confidence and performance

- **Best all-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Road E-THRU 12 mm
  » Ultra-light full carbon rim
- **Disc brake system**
  » CENTER LOCK

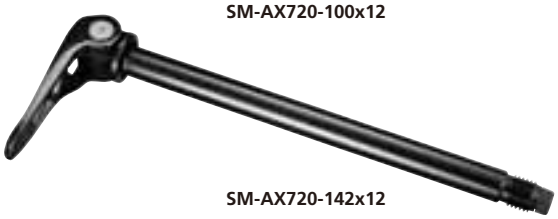


	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9170-C40						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9170-C40-TU	Tubular	12 mm E-THRU	Carbon	11/10-speed	142 mm	626 g	774 g
WH-R9170-C40-TL	Tubeless	12 mm E-THRU	Carbon	11/10-speed	142 mm	721 g	865 g



SM-AX720-100x12



SM-AX720-142x12

SM-AX720-100x12

12mm E-THRU axle,100mm O.L.D.

SM-AX720-142x12

12mm E-THRU axle,142mm O.L.D.

- **Simple and clean appearance**
  » 12mm E-THRU axle
- **Easy set up**
  » Lever position adjustable
  - Integrated adjusting system
- **Stable fixing power**
  » Cam lever fixing system



PD-R9100

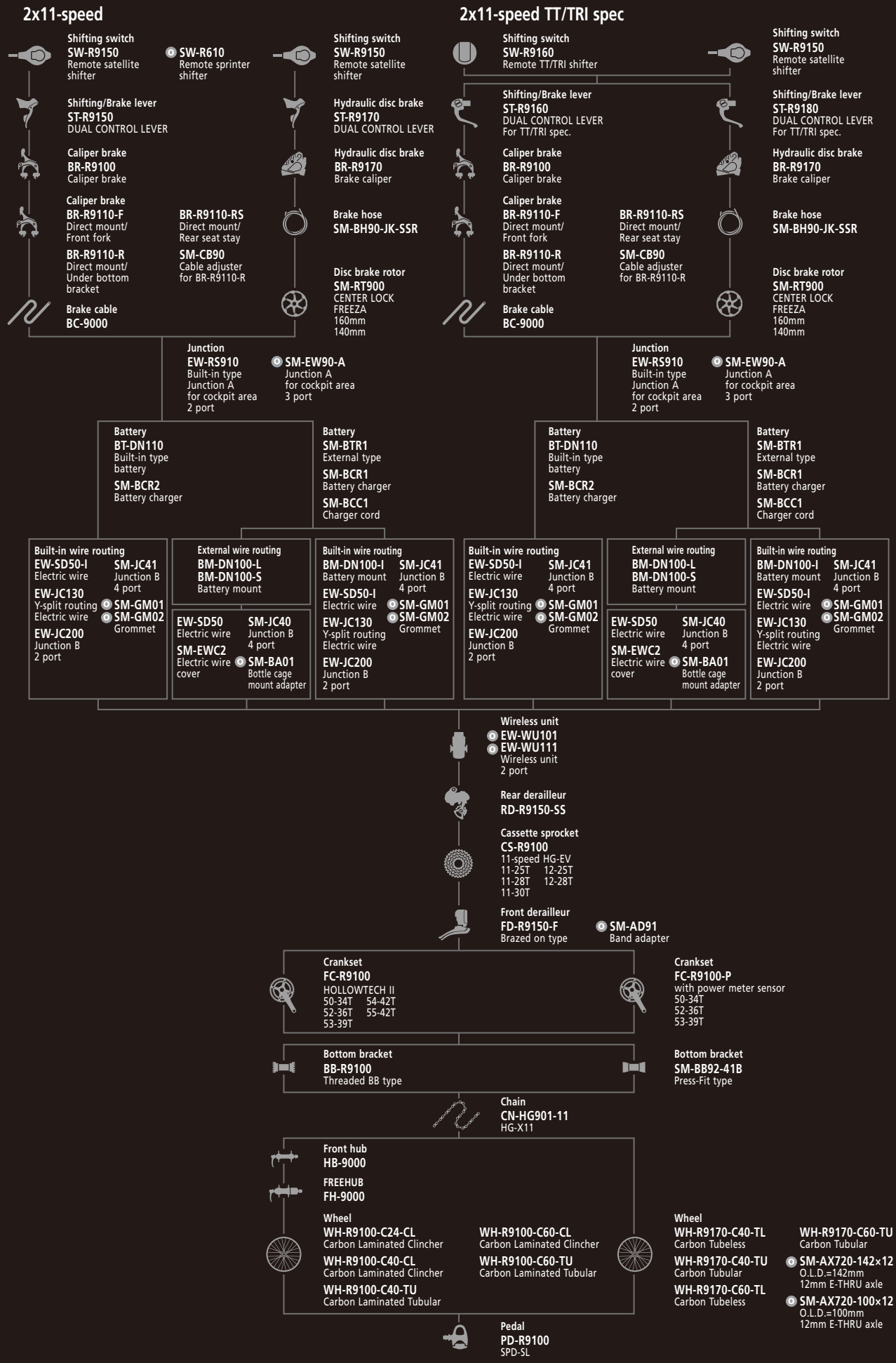


PD-R9100

THE LIGHTEST, MOST EFFICIENT DURA-ACE PEDAL EVER CREATED

- **Optimized balance of weight and rigidity**
- **Injection-molded carbon-composite body**
- **Extra-wide platform for stability and power transfer**
- **Wide bearing placement for uniform load distribution**
- **Customize the entry and release tension settings**
- **Shimano 3-year limited warranty**
- **4mm longer axle model available**

❖ Electronic Specification



O Option

>>> http://productinfo.shimano.com/lineupchart.html



ST-R9150

ST-R9150
DUAL CONTROL LEVER (2x11-speed)

- **Better control and confidence in race conditions**
  - Dedicated brake lever shape, stroke, contact point, stiffness and dedicated shift paddles
  - » Lightweight
    - Carbon composite plastic material of hood
- **More intuitive, quicker shifting operation**
  - » More defined click feeling and ergonomic shift lever position
- **Customizable function to fit any riding style**
  - » Each switch has the option for multi-shift ON or OFF
    - E-TUBE project
- **Optimum power transmitted with firm grip**
  - » Ideal ergonomic cover shape with better thickness & tenderness
    - Openable hood cover
- **Weight: 230g (Pair)**



ST-R9160

ST-R9160
TT/Triathlon DUAL CONTROL LEVER (2x11-speed)

ST-R9180
TT/Triathlon Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **Optimum power transmitted with firm grip**
  - » More aerodynamic and better grip feeling
    - Switch button integrated inside without hand release
- **Intuitive shifting control**
  - » Keep firm grip when shifting
  - » Single button on each side of the shift lever only works with Synchronized Shift
  - » Each switch available with multi-shift on/off
- **Better control and confidence in race conditions**
- **Customizable function to fit in rider's riding style**
  - » Each switch has the option for multi-shift ON or OFF
    - E-TUBE project
- **Clean cockpit area**
  - » Integrated E-TUBE cable and internal brake cable routing
  - » New cable junction (EW-RS910, EW-JC130) available to integrated with bike frame



ST-R9170

ST-R9170
Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **More control and confidence in race condition**
  - » Optimally balanced hydraulic brake system for racing
    - Dedicated brake lever shape, stroke, contact point, stiffness and dedicated shift paddles
  - » Lightweight
    - Carbon composite plastic material of hood
- **More intuitive, quicker shifting operation**
  - » More defined click feeling and ergonomic shift lever position
- **Customizable function to fit any riding style**
  - » Each switch has the option for multi-shift ON or OFF
    - E-TUBE project
- **Optimum power transmitted with firm grip**
  - » Ideal ergonomic cover shape with better thickness & tenderness
    - Openable hood cover
- **Weight: 360g (Pair)**



SW-R9150

SW-R9150
Remote Satellite Shifter
(Climbing shifter)

- **Customizable function to fit in rider's riding style**
  - » Quicker shifting during handle grip
    - Equip the switch on any position of handle bar for flexible sifting operation



SW-R9160

SW-R9160
Remote TT/Triathlon Shifter

- **Easy to push the thumb switch when gripping the top of the TT extension**



SW-R610

SW-R610
Remote Sprinter Shifter

- **Quick rear shifting while in the drops**
  - » Right shifter - shift down the cassette
  - » Left shifter - shift up the cassette
- **Locate anywhere on the handle bar**
- **Weight: 10g (Pair)**



FD-R9150

FD-R9150
Front Derailleur (2x11-speed)

- **Ergonomic shifting operation without stress**
  - » SHIMANO synchronized shift
- **Quick and smooth front shifting "under" high pedaling torque**
- **Maintains compact and smooth appearance**
- **Chain stay angle: 61-66°**
- **Total capacity: 16T**
- **Weight: 104g**



SM-AD91

SM-AD91-L/MS
Band Adapter

- **Clamp band diameter**
  - » SM-AD91-L: 34.9mm
  - » SM-AD91-MS: 31.8/28.6* mm
    - * with multi clamp band



RD-R9150

RD-R9150
SHIMANO SHADOW RD (11-speed)

- **Ergonomic shifting operation without stress**
  - » SHIMANO synchronized shift
  - » Low profile rear derailleur design
    - SHIMANO SHADOW RD
- **Maintains compact and smooth appearance**
- **Total capacity: 35T**
- **Weight: 204g**



EW-WU111

EW-WU111
Wireless Unit (2 port)

- **Wireless communication**
  » E-TUBE setting with smart phone/tablet



EW-WU101

EW-WU101
Wireless Unit

- **Wireless communication**
  » E-TUBE setting with smart phone/tablet
    - 2 E-TUBE ports



EW-RS910

EW-RS910
Junction (2 port)

- **Built-in type Junction-A with frame or handle type**
- **Weight: 11g**



SM-EW90-A

SM-EW90-A/B
Junction for Around Cockpit Area

- **Junction-A for cockpit area**
- **3 (A) and 5 (B) port**
- **Weight: 10g (SM-EW90-A), 13g (SM-EW90-B)**



BT-DN110

BT-DN110
Built-in Type Battery

- **Compatible charger: SM-BCR2**
- **Weight: 50g**



SM-BCR2

SM-BCR2
Battery Charger/PC Linkage Device

- **Battery charger for BT-DN110**
- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**



SM-PCE1

SM-PCE1
PC Linkage Device

- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**
- **Problem diagnosis function**



SM-BTR1

SM-BTR1
Battery

- **External/Built-in type battery**
- **Weight: 70g**



BM-DN100-L

BM-DN100-L
Battery Mount

- **Long size battery mount**
- **For external wire routing**



BM-DN100-S

BM-DN100-S
Battery Mount

- **Short size battery mount**
- **For external/internal wire routing**



SM-BCR1
Battery Charger

- Battery charger for SM-BTR1
- Charger cord SM-BCC1 is required

SM-BCC1
Charger Cord

SM-BA01
Bottle Cage Mount Adapter



EW-SD50
Electric Wire

- Transmits interactive signals and power supply to each electronic components by “plug & play” connection
- Compact and waterproof connector
- Easy to insert into frame
- Cable length 150 - 1600 mm
- With cable tie type for built-in cable routing (EW-SD50-I)



SM-GM01
Grommet

- Hole dimension on frame: 6 mm circle

SM-GM02
Grommet

- Hole dimension on frame: 7 mm x 8 mm circle



SM-EWC2
Electric Wire Cover

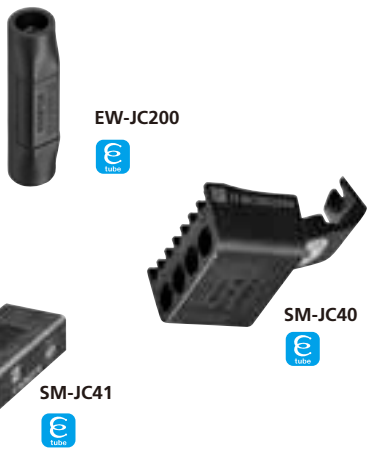
- Color options: Black, White





EW-JC130
Y-connecter Cable

- Cable length: EW-JC130-SS 250/350/50mm
  EW-JC130-SM 450/350/50mm
  EW-JC130-MM 550/550/50mm



EW-JC200
Junction (2 port)

SM-JC40
Junction B (4 Port)

- For external wire routing

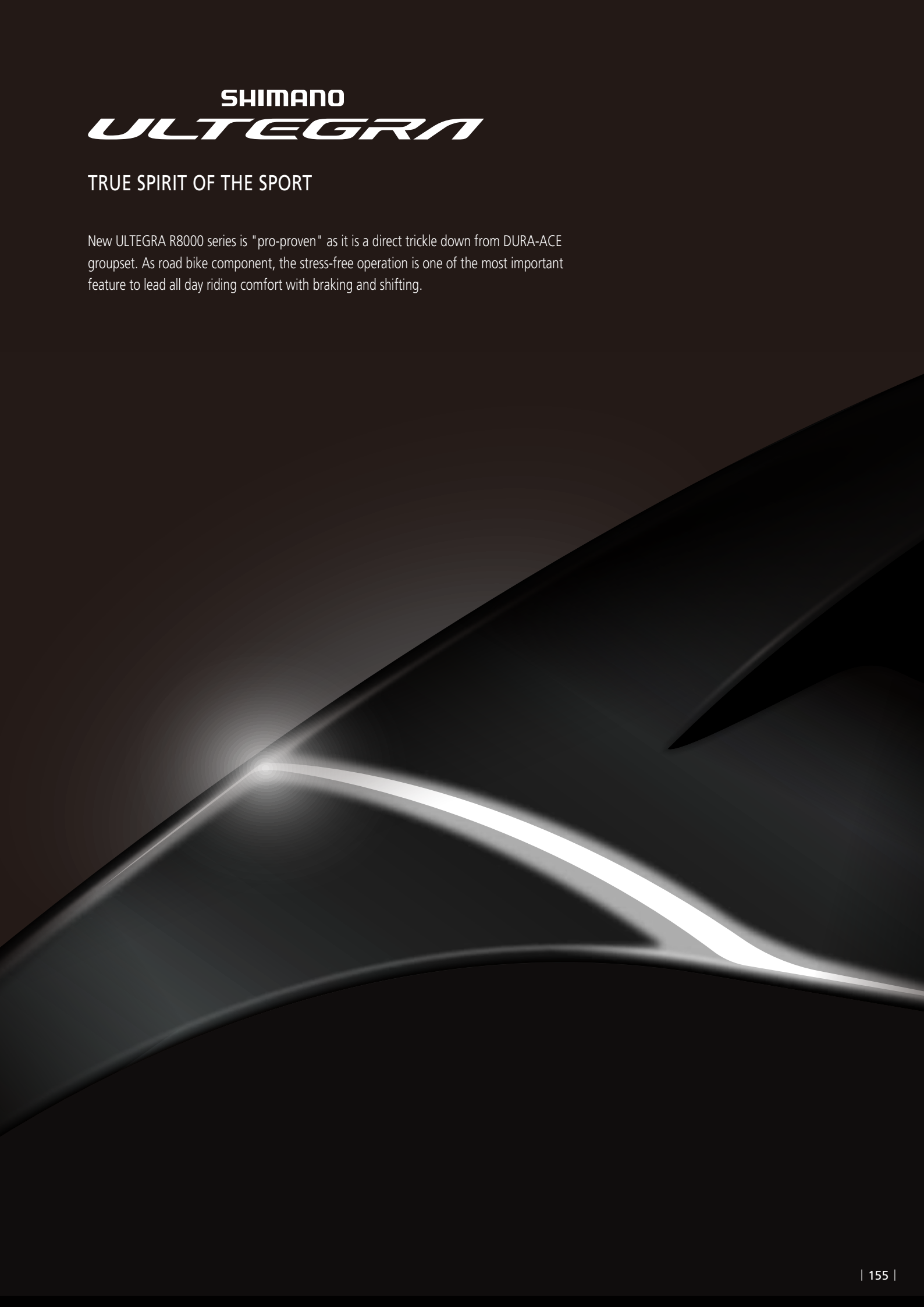
SM-JC41
Junction B (4 Port)

- For internal wire routing

SHIMANO
ULTEGRA

TRUE SPIRIT OF THE SPORT

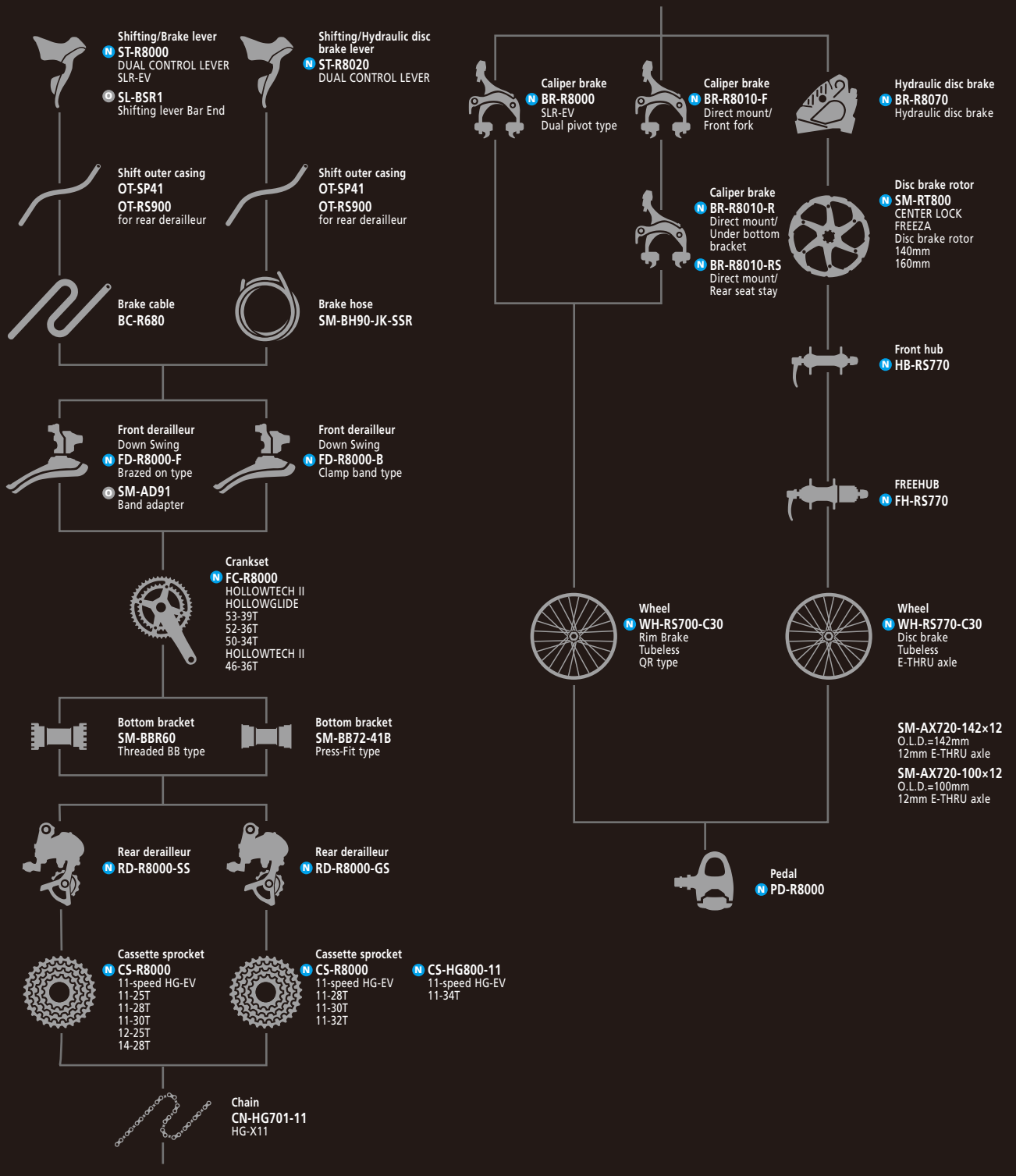
New ULTEGRA R8000 series is "pro-proven" as it is a direct trickle down from DURA-ACE groupset. As road bike component, the stress-free operation is one of the most important feature to lead all day riding comfort with braking and shifting.



❖ MAJOR BENEFITS

- Ride harder with superior ergonomics
- Advanced control in all conditions
- Customizable for your racing style

❖ 2x11-speed



❖ Electronic Specification 2x11-speed

See page 161

N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



ST-R8000 SLR-EV

ST-R8000 SLR-EV



ST-R8020 SLR-EV



FD-R8000-F



FC-R8000



SM-BB72-41B



SM-BBR60

NEW

ST-R8000

DUAL CONTROL LEVER (2x11-speed)

- **Greater reach adjust range**
- **Quick and intuitive rear-shifting operation with redesigned internal shifting unit**
- **Even lighter front shifting when paired with redesigned FD-R8000**

NEW

ST-R8020

Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **Greater rider control in all conditions**
  - » Hydraulic disc brake provides the next stage of control
  - » Small bracket size improves ergonomics
  - » Greater reach adjust range
- **Quick and intuitive rear-shifting operation with redesigned internal shifting unit**
- **Even lighter front shifting when paired with redesigned FD-R8000**

NEW

FD-R8000

Front Derailleur (2x11-speed)

- **Lighter front shifting operation**
  - » New link construction better matches the hand's natural force curve, and reduces the applied effort required at the end of the shifting motion
- **100% perfect setting**
  - » New link construction allows for more flexible cable-routing design
  - » TL-FD68 and turning converter is not required for assembly
- **Easy and precise setting**
  - » Now possible to adjust cable tension on front derailleur without dedicated tools
- **Redesigned to fit a wider gear pitch without sacrificing shifting performance**
  - » Shorter rear-center length (410 mm) with 135 mm O.L.D.
- **Clamp band type (FD-R8000-B)**
- **Brazed-on type (FD-R8000-F)**
- **Weight: 106 g (FD-R8000-B)**
  92 g (FD-R8000-F)

NEW

FC-R8000

HOLLOWTECH II Crankset (2x11-speed)

- **Lightweight crankarm design optimized for power-transfer efficiency**
  - » Minimal weight without sacrificing stiffness
    - HOLLOWTECH II
- **Rider-tuned gear performance through various gear combinations**
- **Redesigned FC for greater frame compatibility**
  - » Wider gear pitch increases clearance between chain and leading teeth, providing compatibility with frames of O.L.D. 135 mm and 410 mm chainstay length
- **Gear combination: 46-36T, 50-34T, 52-36T, 53-39T**
- **Crank arm length: 165 mm, 170 mm, 172.5 mm, 175 mm**

SM-BBR60

Bottom Bracket

SM-BB72-41B

Press-Fit Type Bottom Bracket

- **Optimum power transfer**
  - » Lightweight maintains efficiency
  - » Combined with FD-6800 chain guide design to reduce chain drop
- **DURA-ACE proven 4-arm design: Same stiffness and lighter weight**
- **14g lighter weight and half the friction of the SM-BB6700, while maintaining the same durability**
- **Variety choice of gearing: 53-39T/52-36T/50-34T/46-36T**
- **Weight: 691g (FC-6800, 53-39T, w/o BB)**
  684g (FC-6800, 52-36T, w/o BB)
  676g (FC-6800, 50-34T, w/o BB)
  671g (FC-6800, 46-36T, w/o BB)
  77g (SM-BBR60)
  63g (SM-BB72-41B)

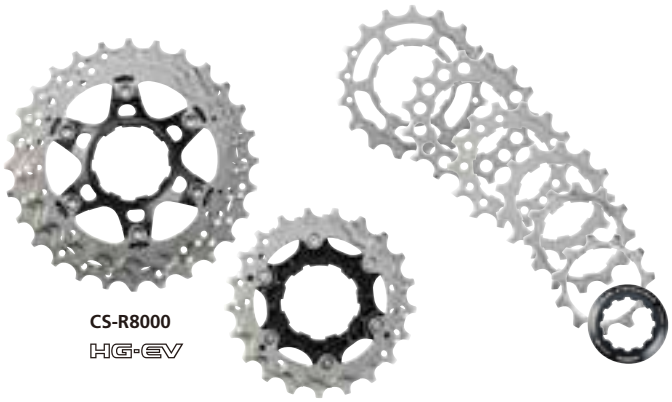


NEW

RD-R8000

SHIMANO SHADOW RD (11-speed)

- **Sleek and integrated appearance**
  - » New low-profile design
    - SHIMANO SHADOW RD
- **Race endurance**
  - » Optimized slant angle
- **Wide compatibility**
  - » covers: 11-28T to 11-34T (RD-R8000-GS)
  - » covers: 11-25T to 11-30T (RD-R8000-SS)



NEW

CS-R8000

HG Cassette Sprocket (11-speed)

- **High-performance gear combinations provide superior rider choice**
- **Gear combination: 11-25T, 11-28T, 11-30T, 11-32T, 12-25T, 14-28T**



NEW

CS-HG800-11

HG Cassette Sprocket (11-speed)

- **Hub body designed to fit a variety of bikes from MTB to road bikes**
  - *** Spacer required to fit hub body to road bikes**
- **Gear combination: 11-34T**
- **Weight: 335g**



CN-HG701-11

Super Narrow HG-X11 Chain (11-speed)

- **Smooth and reliable shifting performance**
  - » Directional 11-speed chain
  - » More efficient and silent, less maintenance
    - SIL-TEC surface treatment
  - » MTB, Road, E-BIKE 11-speed compatible
  - » Reinforced chain for E-BIKE use
    - New chain plate dimension
- **Weight: 257g (114Links)**



BR-R8000

SLR-EV

NEW

BR-R8000

Dual-Pivot Caliper Brake

- **Clear contact feeling with balanced rigidity, weight and stopping power**
  » Stabilizer between axles reduces deformation and improves braking efficiency
- **Sleek design**
  » Narrower gap between arms
- **Wider clearance with larger tire sizes**
  » Compatible with wider 28C tire size

BC-R680

BRAKE CABLE

- **ULTEGRA polymer-coated brake cable**



BR-R8010-R

SLR-EV



BR-R8010-F

SLR-EV



BR-R8010-RS

SLR-EV

NEW

BR-R8010

Direct Mount Type Brake Caliper

- **Direct-mount brake**
  » Direct brake mounts connect to the frame, reducing redundant parts and increasing overall braking performance
- **Sleek design**
  » Narrower gap between arms
- **Wider clearance with larger tire sizes**
  » Compatible with wider 28C tire size



BR-R8070

ICE TECHNOLOGIES

ONE WAY BLEEDING

NEW

BR-R8070

Hydraulic Disc Brake Caliper

- **Better control in all conditions**
  » Hydraulic disc brake provides the next stage of control
- **Sleek integration into a road bike's aero profile**
  » Designed to integrate seamlessly with a road bike's profile
  » Flat mount hydraulic type



SM-RT800-SS

ICE TECHNOLOGIES FREEZA



SM-RT800-S

ICE TECHNOLOGIES FREEZA

NEW

SM-RT800

CENTER LOCK Disc Brake Rotor

- **Better heat dispersion than current road-disc systems**
  » New construction provides better heat management than current ICE TECHNOLOGIES FREEZA
- **Weight: 128 g (160 mm)**
  108 g (140 mm)

SM-CB90

Inline Brake Cable Adjuster

- **Inline brake cable adjuster with quick release for BR-6810-R**



HB-RS770

NEW

HB-RS770

Front Hub for Disc Brake (12 mm E-THRU Axle, 100 mm O.L.D.)

- **Greater stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - Simple handling and workability
  - CENTER LOCK mount
- **Weight: 125 g**



FH-RS770

NEW

FH-RS770

Rear FREEHUB for Disc Brake (12 mm E-THRU Axle, 148 mm O.L.D.)

- **Greater stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - Simple handling and workability
- **CENTER LOCK mount**
- **Weight: 302 g**

ROAD TUBELESS

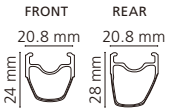


NEW

WH-RS700-C30

The versatile choice for rolling hills

- **Efficient acceleration**
  - » High drive rigidity
    - Front 24 mm and Rear 28 mm rim height
    - OPTBAL
- **Lightweight and rigid**
  - New layer-up tubeless carbon laminate rim
- **Smooth surface**
  - » New layer-up tubeless carbon laminate rim



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS700-C30						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS700-C30-TL	Tubeless	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	-	-



PD-R8000



NEW

PD-R8000

LIGHTWEIGHT, PRO LEVEL PERFORMANCE FOR THE ENTHUSIAST RIDER

FEATURES

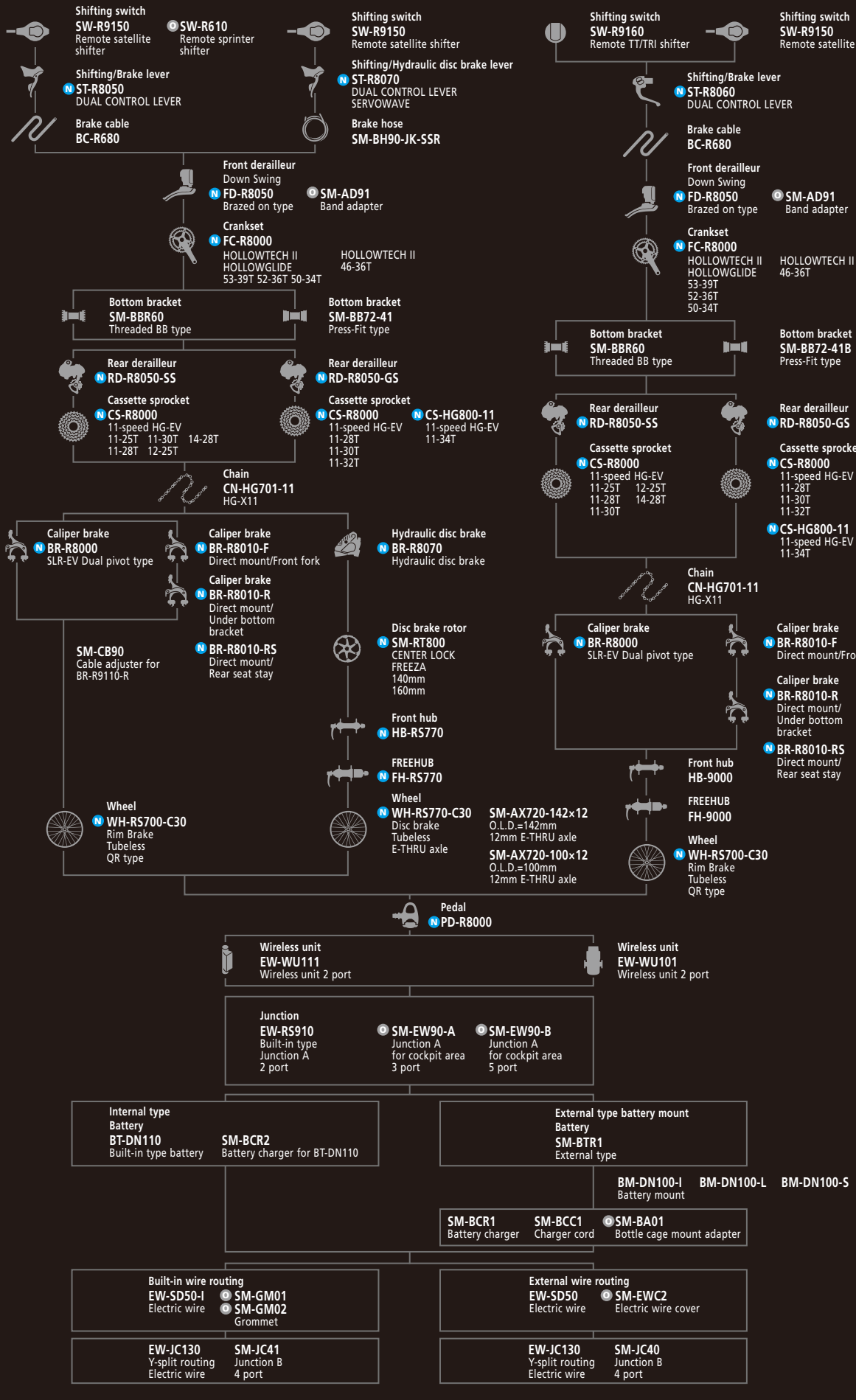
- Lightweight carbon-composite body
- Extra-wide platform for a more efficient transfer of power
- Durable stainless steel body plate reduces flex and pedal body wear
- Wide bearing placement for stable, uniform load distribution
- Adjustable entry and release tension settings
- 4 mm longer axle available

SHIMANO ULTEGRA R8050 Series

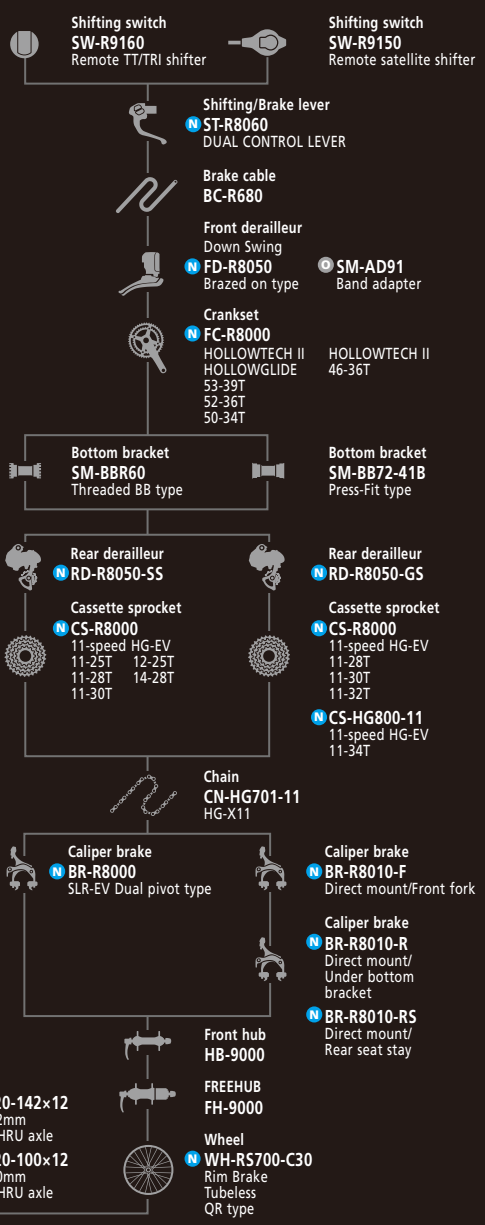
Di2 DIGITAL INTEGRATED INTELLIGENCE

❖ Electronic Specification

2x11-speed



2x11-speed TT/TRI spec



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



NEW

ST-R8050
DUAL CONTROL LEVER (2x11-speed)

- **More intuitive shifting operation**
  - » Updated features and a better click feel
  - » Clearer separation between shift buttons support quick and precise shifting when wearing thicker gloves
- **Customizable functionality to match the rider's style**
  - » Each switch has the option for multi-shift ON or OFF
    - E-TUBE PROJECT
  - » Programmable ST top button remote switch for third party cycle computer and shifting
  - » More Reach Adjust range
- **Weight: 147.5 g**



NEW

ST-R8070
Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **More intuitive shifting operation**
  - » Updated features and a better click feel
  - » Clearer separation between shift buttons support quick and precise shifting when wearing thicker gloves
- **Customizable functionality to match the rider's style**
  - » Each switch has the option for multi-shift ON or OFF
    - E-TUBE PROJECT
  - » Programmable ST top button remote switch for third party cycle computer and shifting
- **Greater rider control in all conditions**
  - » Better braking, and more control in all conditions
  - » Minimized bracket size improves ergonomics
  - » Greater reach adjust range, and a better free stroke adjuster
  - » Lightweight race-ready materials
- **Weight: 180 g**



NEW

ST-R8060
TT/Triathlon DUAL CONTROL LEVER (2x11-speed)

- **Reduced drag through a better aerodynamic design**
  - » Eliminated the switch box of ST-6871 to make the design smaller and shorter
- **Intuitive shifting control**
  - » Keep a firm grip when shifting
  - » Single button on each side of the shifting lever only works with SYNCHRONIZED SHIFT
- **Weight: 138 g/pair**

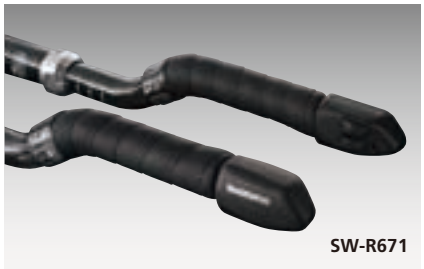


SW-R610
Remote Sprinter Shifter

- **Quick rear shifting while in the drops**
  - » Right shifter - shift down the cassette
  - » Left shifter - shift up the cassette
- **Locate anywhere on the handle bar**
- **Weight: 10g (Pair)**

SW-R600
Remote Satellite Shifter
(Climbing shifter)

- **Multiple position setting unit which can be mounted near top center of the handlebar**
- **Weight: 30g**



SW-R671
Remote Triathlon Shifter

- **Current 2 button design**
- **Weight: 95g (Pair)**



FD-R8050



RD-R8050-SS



RD-R8050-GS



EW-WU111



EW-WU101



EW-RS910



SM-EW90-A



BT-DN110



SM-BCR2



SM-PCE1

NEW

FD-R8050

Front Derailleur (2x11-speed)

- **Quick and smooth front shifting under high pedaling torque**
  - » Programmed chainguide control
  - » SHIMANO SYNCHRONIZED SHIFT
    - Full and semi synchronized shifting program
- **Redesigned to fit a wider gear pitch without sacrificing shifting performance**
  - » Shorter rear-center length (410 mm) with 135 mm O.L.D.
- **Weight: 132g**

NEW

RD-R8050

SHIMANO SHADOW RD (11-speed)

- **Sleek and integrated appearance**
  - » New low-profile design
    - SHIMANO SHADOW RD
- **Race endurance**
  - » Optimized slant angle
- **Maintain race concentration with intuitive shift control**
  - » System communication with front derailleur
    - SHIMANO SYNCHRONIZED SHIFT
- **Wide compatibility**
  - » 11-28T to 11-34T (RD-R8050-GS)
  - » 11-25T to 11-30T (RD-R8050-SS)
- **Weight: 249g (RD-R8050-GS)**
  242g (RD-R8050-SS)

EW-WU111

Wireless Unit (2 port)

- **Wireless communication**
  - » E-TUBE setting with smart phone/tablet

EW-WU101

Wireless Unit

- **Wireless communication**
  - » E-TUBE setting with smart phone/tablet
    - 2 E-TUBE ports

EW-RS910

Junction (2 port)

- **Built-in type Junction-A with frame or handle type**
- **Weight: 11g**

SM-EW90-A/B

Junction for Around Cockpit Area

- **Junction-A for cockpit area**
- **3 (A) and 5 (B) port**
- **Weight: 10g (SM-EW90-A), 13g (SM-EW90-B)**

BT-DN110

Built-in Type Battery

- **Compatible charger: SM-BCR2**
- **Weight: 50g**

SM-BCR2

Battery Charger/PC Linkage Device

- **Battery charger for BT-DN110**
- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**

SM-PCE1

PC Linkage Device

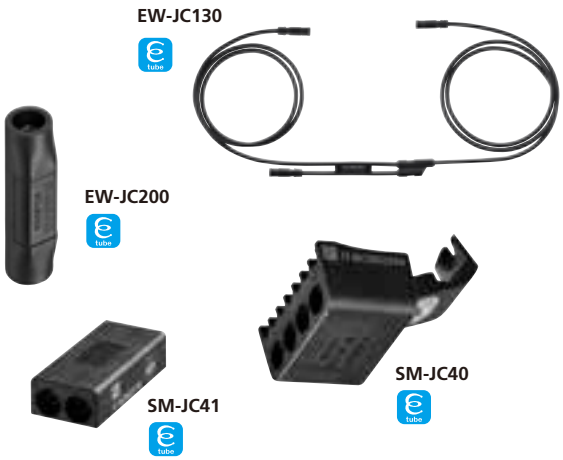
- **PC linkage device for E-TUBE PROJECT to update firmware and customize setting**
- **Problem diagnosis function**











SM-BTR1
Battery

- External/Built-in type battery
- Weight: 70g

BM-DN100-L
Battery Mount

- Long size battery mount
- For external wire routing

BM-DN100-S
Battery Mount

- Short size battery mount
- For external/internal wire routing

SM-BCR1
Battery Charger

- Battery charger for SM-BTR1
- Charger cord SM-BCC1 is required

SM-BCC1
Charger Cord

SM-BA01
Bottle Cage Mount Adapter

EW-SD50
Electric Wire

- Transmits interactive signals and power supply to each electronic components by “plug & play” connection
- Compact and waterproof connector
- Easy to insert into frame
- Cable length 150 - 1600 mm
- With cable tie type for built-in cable routing (EW-SD50-I)

SM-GM01
Grommet

- Hole dimension on frame: 6 mm circle

SM-GM02
Grommet

- Hole dimension on frame: 7 mm x 8 mm circle

SM-EWC2
Electric Wire Cover

- Color options: Black, White

EW-JC130
Y-connecter Cable

- Cable length: EW-JC130-SS 250/350/50mm
  EW-JC130-SM 450/350/50mm
  EW-JC130-MM 550/550/50mm

EW-JC200
Junction (2 port)

SM-JC40
Junction B (4 Port)

- For external wire routing

SM-JC41
Junction B (4 Port)

- For internal wire routing

SHIMANO

105

RIDE INSPIRED

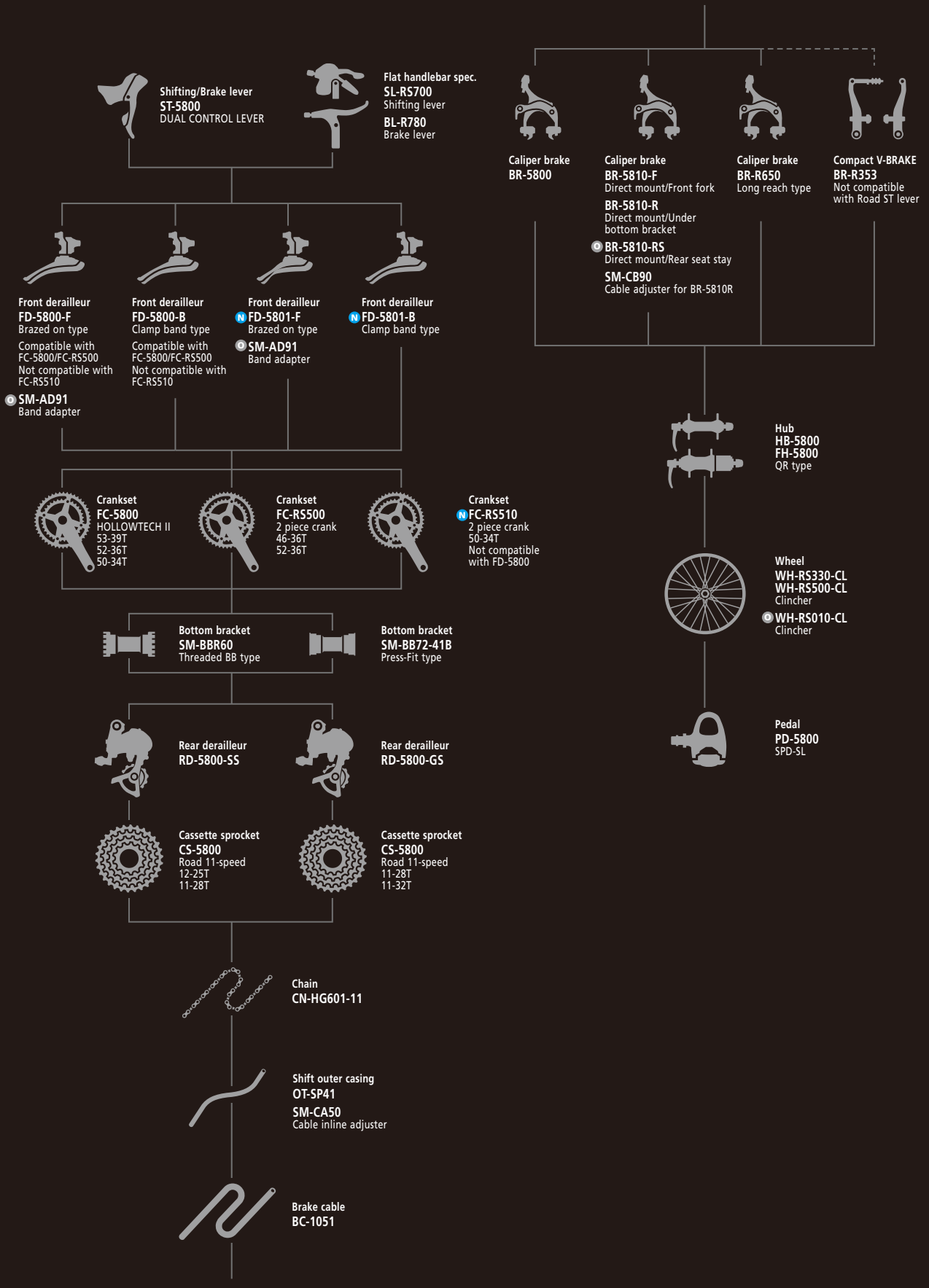
"Taking pleasure to every rider". 105 is supporting every rider who achieves his personal goals for everyday training and long rides during the weekends, and riding with friends. The best balance of 105 brings pleasure to every rider with the trusted reliable performance. 105 will give every rider a sense of satisfaction, pleasure and fulfillment with advanced functionality, smoothness and ergonomics.



❖ MAJOR BENEFITS

- Front Drivetrain — Easy shifting operation
  It delivers on the promise of "no hassle" front shifting
- Rear Drivetrain — Precise shifts with our "Rider-Tuned" wide gear range let riders focus on the Enjoyment of the ride
- Brake system — Lever ergonomics and revised brake calipers design give a next level of rider control
- Hub/Pedals system — Reliable and dependable

❖ 2x11-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO 105



ST-5800 SL-EV



ST-5800 SL-EV

ST-5800
DUAL CONTROL LEVER (2x11-speed)

- **Comfortable lever design for better rider comfort and control**
  - » Slim & compact bracket with smooth surface with enclosed mechanism
- **Screw type Reach Adjust (10mm)**
- **Light action, defined click engagement**
  - » Short lever stroke response
  - » Polymer Coated Cables to reduce friction
- **Powerful and controllable braking system**
- **Polymer-coated shift cable**
- **Weight: 486g (Pair)**
- **Color options: Silky Black, Pure Silver**



FD-5800-F



FD-5800-F

FD-5800-B/F
Front Derailleur (2x11-speed)

- **Light and accurate shifting**
  - » Redesigned pull arm combined with spring mechanism
  - » Less chain drop with optimized low trim position
- **Stable shifting performance**
  - » The braze-on support bolt creates a more stable platform for front shifting (brazed-on boss frame)
- **Weight: 104g (FD-5800-B)**
  89g (FD-5800-F)
- **Color options: Silky Black, Pure Silver**



FD-5801-F



FD-5801-F

NEW

FD-5801
Front Derailleur (2x11-speed)

- **Lighter front shifting operation**
  - » New link construction better matches the hand's natural force curve, and reduces the applied effort required at the end of the shifting motion
- **100% perfect setting**
  - » New link construction allows for more flexible cable-routing design
  - » TL-FD68 and turning converter is not required for assembly
- **Easy and precise setting**
  - » Now possible to adjust cable tension on front derailleur without dedicated tools
- **Redesigned to fit a wider gear pitch without sacrificing shifting performance**
  - » Shorter rear-center length (410 mm) with 135 mm O.L.D.
- **Clamp band type (FD-5801-B)**
- **Brazed-on type (FD-5801-F)**
- **Weight: 112 g (FD-5801-B)**
  98 g (FD-5801-F)



FC-5800 HG-EV



FC-5800 HG-EV



SM-BB72-41B



SM-BBR60

FC-5800
HOLLOWTECH II Crankset (2x11-speed)

SM-BBR60
Bottom Bracket

SM-BB72-41B
Press-Fit Type Bottom Bracket

- **Optimum power transfer**
  - » Reinforced chainring construction to keep balance between weight and rigidity
- **Rider tuned wide range gearing**
  - » 50-34T, 52-36T, 53-39T
- **Weight: 776g (FC-5800, 53-39T, w/o BB)**
  773g (FC-5800, 52-36T, w/o BB)
  757g (FC-5800, 50-34T, w/o BB)
  77g (SM-BBR60)
  63g (SM-BB72-41B)
- **Color options: Silky Black, Pure Silver (FC-5800)**



RD-5800-SS



RD-5800-SS

RD-5800-SS/GS

Rear Derailleur (11-speed)

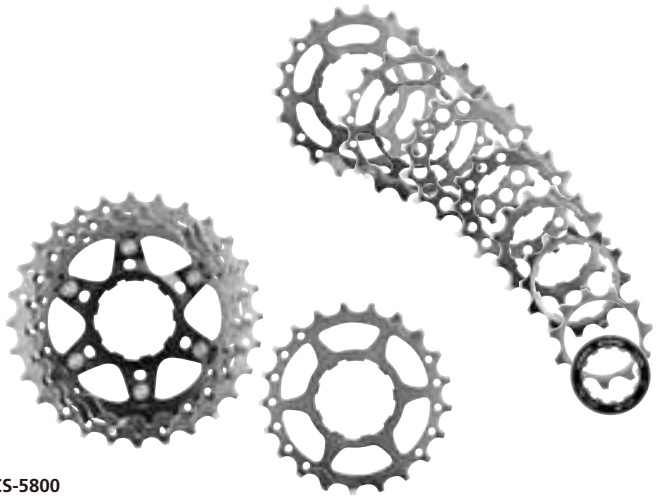
- **The total rear shifting system achieved**
  - » Lighter shifting operation with optimized spring balance and optimized cable pitch
  - » Robust adjustability
- **11-speed Wide gear range**
  - » 28T compatible (SS)
  - » 32T compatible (GS)
- **Weight: 234g (SS)**
  250g (GS)
- **Color options: Silky Black, Pure Silver**



RD-5800-GS



RD-5800-GS



CS-5800

HG-EV

CS-5800

HG Cassette Sprocket (11-speed)

- **Efficient HG-EV 11-speed cassettes sprocket**
- **Rider tuned wide range gearing stay in rhythm with the cadence control of 11-speed**
  - » 11-28T, 11-32T, 12-25T
- **Long durability**
  - » Same gear thickness as 10-speed
- **Weight: 284g (11-28T)**



CN-HG601-11

HG-X11

SIL-TEC

CN-HG601-11

Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **System engineered drivetrain component for optimal power transfer**
  - » Inner-plate treated with SHIMANO's ultra-low friction surface treatment "SIL-TEC" (inner plate)
  - » Same durability as current 10-speed chain
- **Smooth and precise front and rear shifting**
- **Directional chain**
- **Weight: 257g (114Link)**



BR-5800
Dual-Pivot Brake Caliper

BR-5810-F
Front fork mount type

BR-5810-R
Under bottom bracket mount type for rear brake

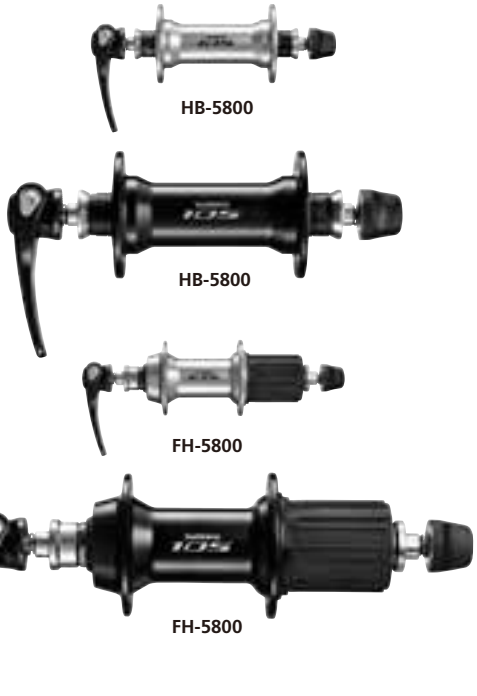
BR-5810-RS
Rear Seat Stay Mount Type Direct Mount Type Brake Caliper

- **Improved braking efficiency and control**
  - » 10% increase in braking power (vs. 5700)
  - » SLR-EV with symmetrical dual-pivot design
  - » Twin bearings reduces pivot friction
- **Compatible with 28C tires**
- **Integrated design with aerodynamic shape**
  - » 10% increase in braking power (vs. 5710)
  - » Inline cable adjuster with quick release (SM-CB90)
  - » Spring tension adjuster
- **Weight: 388g (BR-5800, F&R)**
  350g (BR-5810, F&R)
  175g (BR-5810-RS)
- **Color options: Silky Black, Pure Silver**



SM-CB90
Inline Brake Cable Adjuster

- **Inline brake cable adjuster with quick release for BR-5810-R**



HB-5800
Front Hub

FH-5800
Rear FREEHUB

- **High durability, Smooth rolling for best performance**
  - » High quality sealing Cup & Cone Bearing
  - » Internal Grease Sleeve
- **Compatible with 11-speed FREEHUB and also current road 10/9-speed cassette (FH-5800)**
- **Weight: 155g (HB-5800)**
  368g (FH-5800)
- **Color options: Silky Black, Pure Silver**



SPD SL

285g

SPD-SL Carbon

ROAD TT Tri

PD-5800
FROM CLUB RIDING TO SERIOUS RIDING

- **Carbon-composite body**
- **Extra-wide platform for maximum efficient transfer of power**
- **Durable stainless steel body plate reduces flex and pedal body wear**
- **Wide bearing placement for stable, uniform load distribution**
- **Customize the entry and release tension settings**
- **The legacy of SHIMANO design, quality and performance**

SHIMANO Tiagra

PROGRESSIVE ALL-ROAD PERFORMANCE

New 10-speed TIAGRA provides serious entry-level riding performance with cascaded technology from top-tier lines.

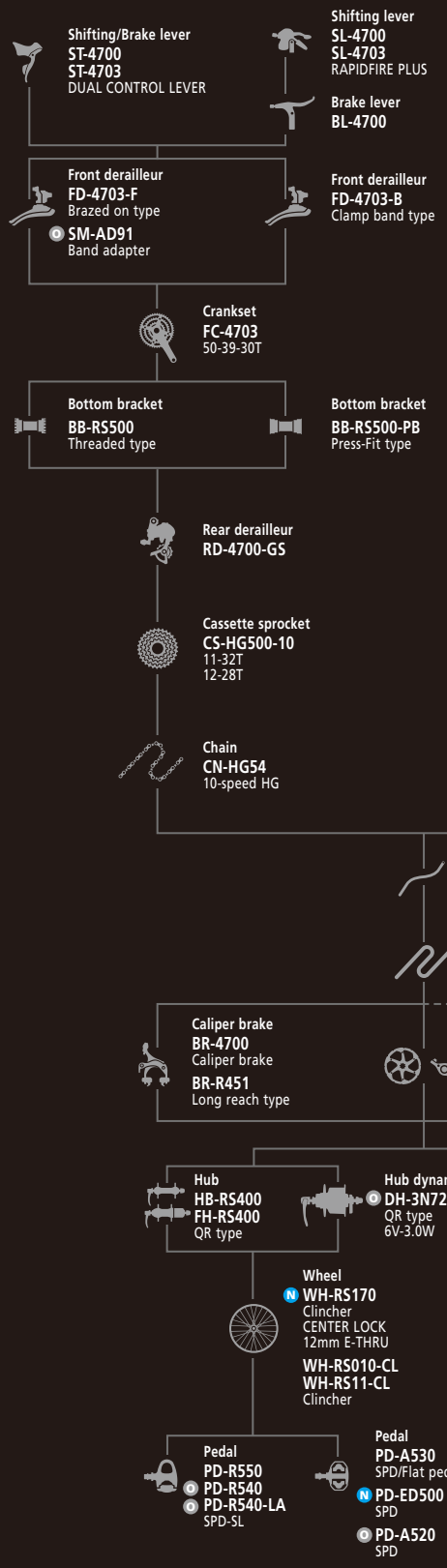


❖ MAJOR BENEFITS

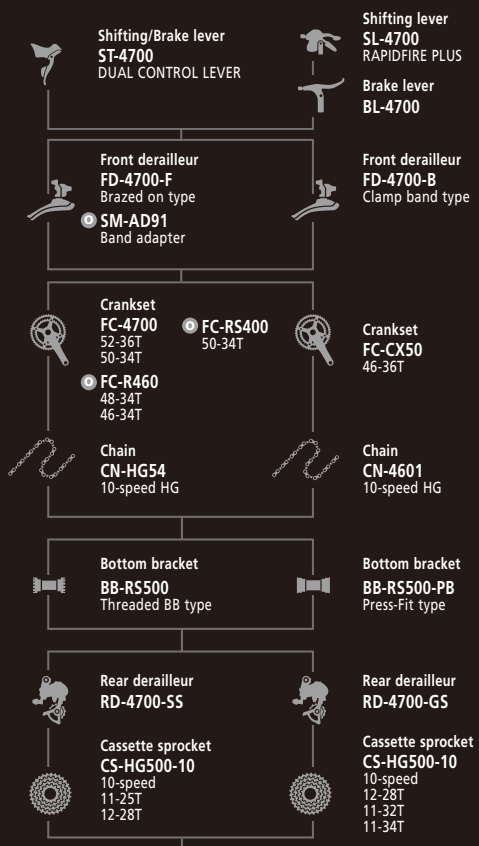
- More intuitive control for shifting
- The new 10-speed cable pitch for wider frame compatibility
- Upgraded with cascaded technology from DURA-ACE
- 30% increase in brake power (same level as BR-5700)

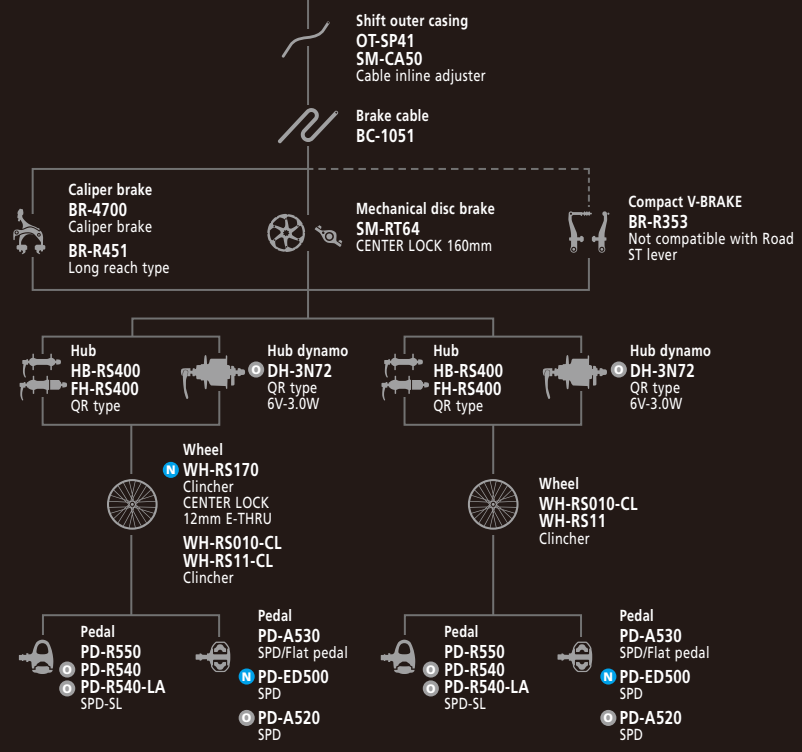
❖ 3/2x10-speed

3x10-speed



2x10-speed





N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Tiagra



ST-4700
DUAL CONTROL LEVER (2x10-speed)

ST-4703
DUAL CONTROL LEVER (3x10-speed)

- **Effortless and accurate shift operation**
  - » Redesigned system with smoother inner cable
    - Vivid index shifting
  - » Light to the touch, yet positive and crisp
    - New coating method
- **Ergonomic brake lever**
  - » Easier access from the hood position
    - Improved ergonomics with slim and compact bracket grip
  - » Comfortable lever feeling for a wide range of riders
    - Smaller volume hood size
    - Smooth surface with enclosed mechanism
- **Clean internal cable routing**
  - » Internally routed cables for an intuitive cockpit layout
    - Refined shifting lever
    - Redesigned triple system



SL-4700
RAPIDFIRE PLUS Shift Lever (2x10-speed)

SL-4703
RAPIDFIRE PLUS Shift Lever (3x10-speed)

- **Intuitive and responsive shifting**
  - » Efficient input and quick lever access
    - Ergonomic lever shape, orbit and easy access to levers
  - » Smooth multi-shift with clear index feedback
    - INSTANT RELEASE and 2WAY-RELEASE



FD-4700
Front Derailleur (2x10-speed)

FD-4703
Front Derailleur (3x10-speed)

- **Smooth, stable and fluid front shifting**
  - » Light action
  - » More ergonomic operation
  - » Less chain drop
    - Refined L trim and Low position reduces shain drop
- **Predictable and stable shifting**
  - » New chain guide and FC gear shape with HG-X chain
  - » Braze-on support bolt improves stability
- **Total capacity: 16T (FD-4700)**
  20T (FD-4703)



FC-4700
Crankset (2x10-speed)

FC-4703
Crankset (3x10-speed)

- **Pedal harder and ride faster**
  - » Optimal balance between stiffness and light weight
    - 110 PCD reinforced iconic 4-arm chain construction
- **Enjoy fluid shifting across various riding conditions**
  - » Rider Turned 10-speed gearing
    - Refined gear shape optimazed for our HG-X chain
- **Gear combination: 50-34T, 52-36T, 50-39-30T**





BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction



RD-4700-SS



RD-4700-GS

RD-4700-SS/GS
Rear Derailleur (10-speed)

- **Consistently smooth and light shifting operation**
  - » Lighter shifting operation
    - · New spring balance and cable pitch
- **Wider, Rider Turned 10-speed gearing options**
  - · 34T compatible (GS)
- **Precise and enduring shift performance**
- **Robust adjustability**
  - · New cable pitch
- **Total capacity: 33T (SS), 39T (2x), 41T(3x)**



CS-HG500-10

CS-HG500-10
HG Cassette Sprocket (10-speed)

- **Lock in performance with durable construction and robust adjustability**
  - · SHIMANO HG system
- **Versatile gear range supports a broad range of riding styles**
  - · Rider tuned 10-speed gear options
- **Gear combination: 11-25T, 12-28T, 11-32T, 11-34T**



BL-4700



BL-4700

BL-4700
Brake Lever

- **Intrinsically designed to function seamlessly with the SL-4700 shift lever**
- **The right braking solutions for every type of rider**
  - » Compatible brake type (V-BRAKE, mechanical disc brake, caliper type, canti brake)
    - · Flat handlebar spec to compatible with road caliper brake type
- **Comfortable and ergonomic lever profile**
  - » Reach adjust



BR-4700

BR-4700
Dual-Pivot Brake Caliper

- **Consistent all-around control**
  - » 30% greater braking power modulation with Linear brake operation
    - · One thrust bearing of pivot reduces caliper friction
    - · New material adjustable toe-in brake shoes R50T5
  - » Better performance with Alloy rim under wet condition
    - · Toe-in adjustable brake shoes
- **Compatible with 28C tires**



HB-RS400



FH-RS400

HB-RS400
Front Hub

FH-RS400
Rear FREEHUB

- **High durability for sustained performance**
  - » Maintains grease levels, helping to prolong product life
    - · Internal o-rings and a grease sleeve helps maintain grease levels
  - » Smooth rotating
    - · Cup & Cone
- **Color options: Black, Silver**

SHIMANO SORA

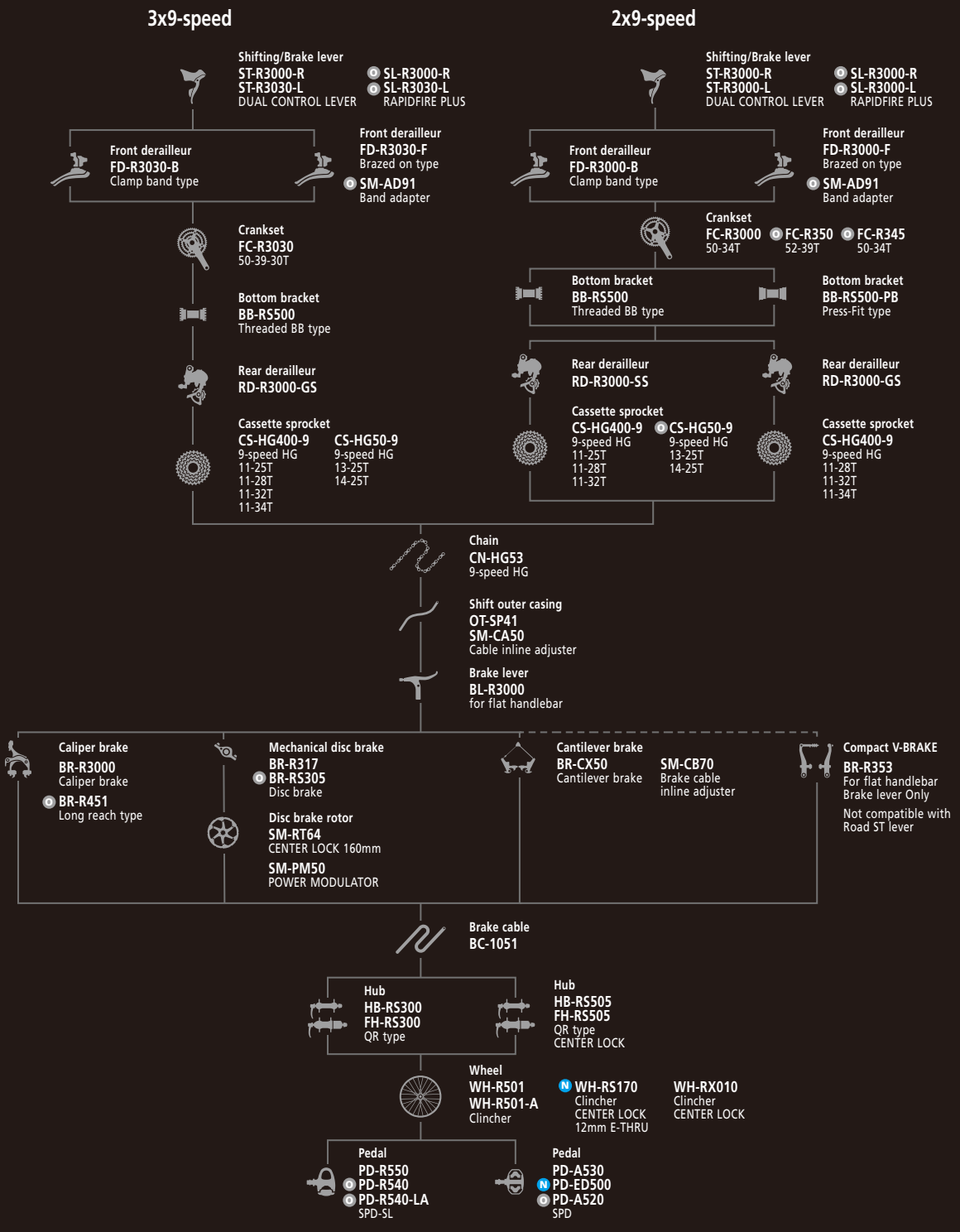
EMBRACE NEW CHALLENGES

The new SORA is most attractive and robust 9-speed component ever. SORA is pitched towards sports/fitness cyclists with stylish and clean design. Now with technology adopted from higher level groupsets, both new starters and enthusiasts will feel comfortable sport riding with the features that 9-speed SORA R3000 introduces.

❖ MAJOR BENEFITS

- DUAL CONTROL LEVER with internal cable routing
- Lighter front shifting operation by long arm design front derailleur

❖ 3/2x9-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html



ST-R3030



ST-R3000



SL-R3030



SL-R3000



FD-R3030-B



FD-R3000-F

ST-R3000
DUAL CONTROL LEVER (2x9-speed)

ST-R3030
DUAL CONTROL LEVER (3x9-speed)

SL-R3000
RAPIDFIRE PLUS Shift Lever (2x9-speed)

SL-R3030
RAPIDFIRE PLUS Shift Lever (3x9-speed)

- **Clean cockpit area**
- **Compatible with standard 9-speed rear derailleurs**
  - » SHIMANO STI (DUAL CONTROL LEVER) with internal cable routing
    - OPTISLICK cable

FD-R3000-B/F
Front Derailleur (2x9-speed)

- **Lighter front shifting operation**
  - » Long arm design
- **With skid plate**
- **Chain stay angle: 61-66°**
- **Total capacity: 16T**

FD-R3030-B/F
Front Derailleur (3x9-speed)

- **Compatible with wider ratio gear combination**
- **Chain stay angle: 63-66°**
- **Total capacity: 20T**



FC-R3000



BB-RS500-PB

FC-R3000
Crankset (2x9-speed)

FC-R3030
Crankset (3x9-speed)

- **4-arm design**
  - » FC-R3000, FC-R3030
- **5-arm design (with CG)**
  - » FC-R3000-CG, FC-R3030-CG
- **Crank arm length: 165, 170, 175mm**
- **Gear combination: 50-34T (FC-R3000, FC-R3030)**
  50-39-30T (FC-R3000-CG, FC-R3030-CG)



FC-R3000-CG

FC-R3030

FC-R3030-CG

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction

SHIMANO SORA



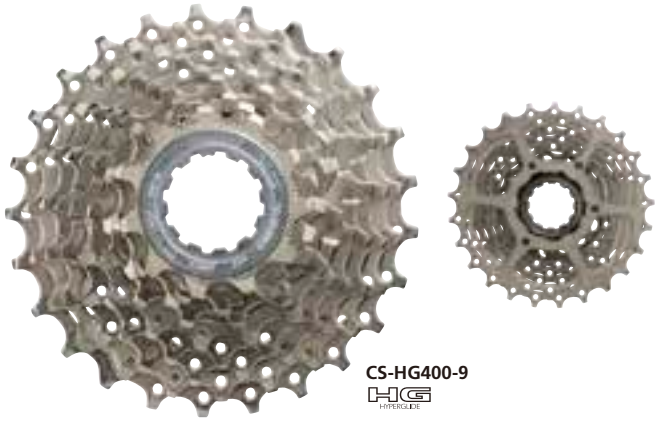
RD-R3000-SS



RD-R3000-GS

RD-R3000-SS/GS
Rear Derailleur (9-speed)

- **Wide gear range**
  » 11-34T Cassette Sprocket available (GS required)
- **Total capacity: 37T (SS), 43T (GS)**



CS-HG400-9

CS-HG400-9
HG Cassette Sprocket (9-speed)

- **Max. 34T low gear combination**
- **Gear combination: 11-25T(New), 11-28T, 11-32T, 11-34T**



BL-R3000

BL-R3000
Brake Lever

- **Design to seamlessly function with SL-R3000**
- **Brake lever is compatible with a wide variety of brake calipers**



BR-R3000

BR-R3000
Dual-Pivot Brake Caliper

- **Better braking power and performance for entry level riders**
  » 20% increase in braking performance



HB-RS300

HB-RS300
Front Hub

FH-RS300
Rear FREEHUB

- **Color options: Black, Silver**



FH-RS300

SHIMANO Claris

RIDE IN STYLE

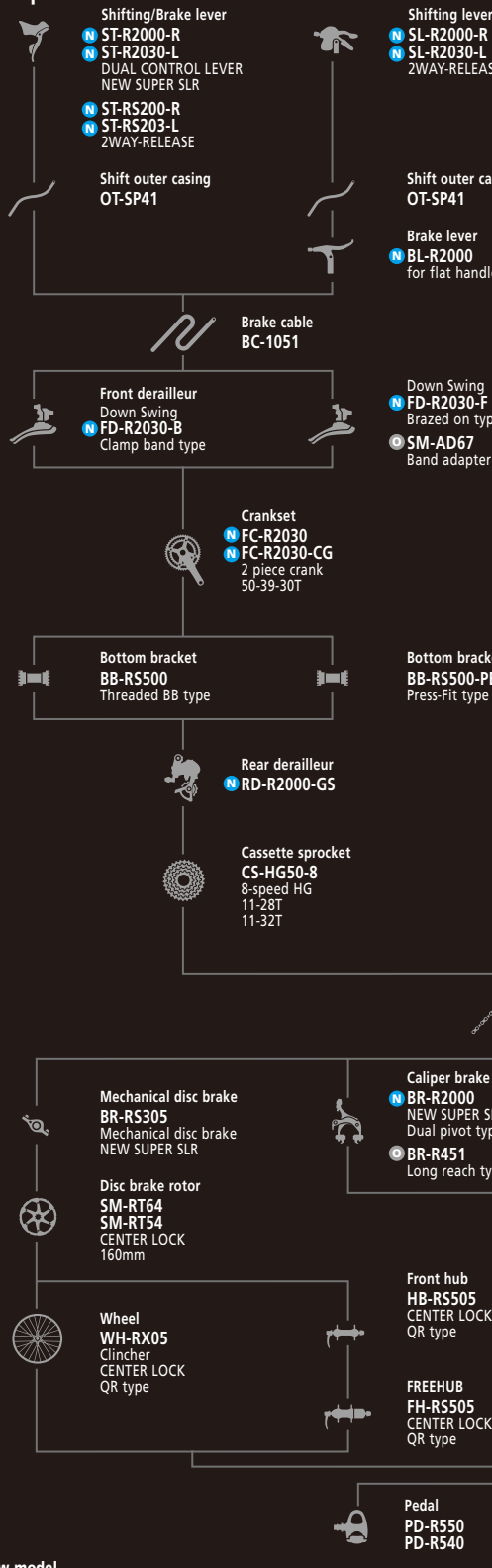
New CLARIS R2000 series correspond to entry riders. Riding style is not race oriented, but easy sports, long touring, town cruising with casual cloths, shopping and also commuting for daily use. The bike with CLARIS is a partner of the rider. Having the bike make riders feel happy. It's sporty looks but it promises that the opportunity of comfortable riding.

❖ MAJOR BENEFITS

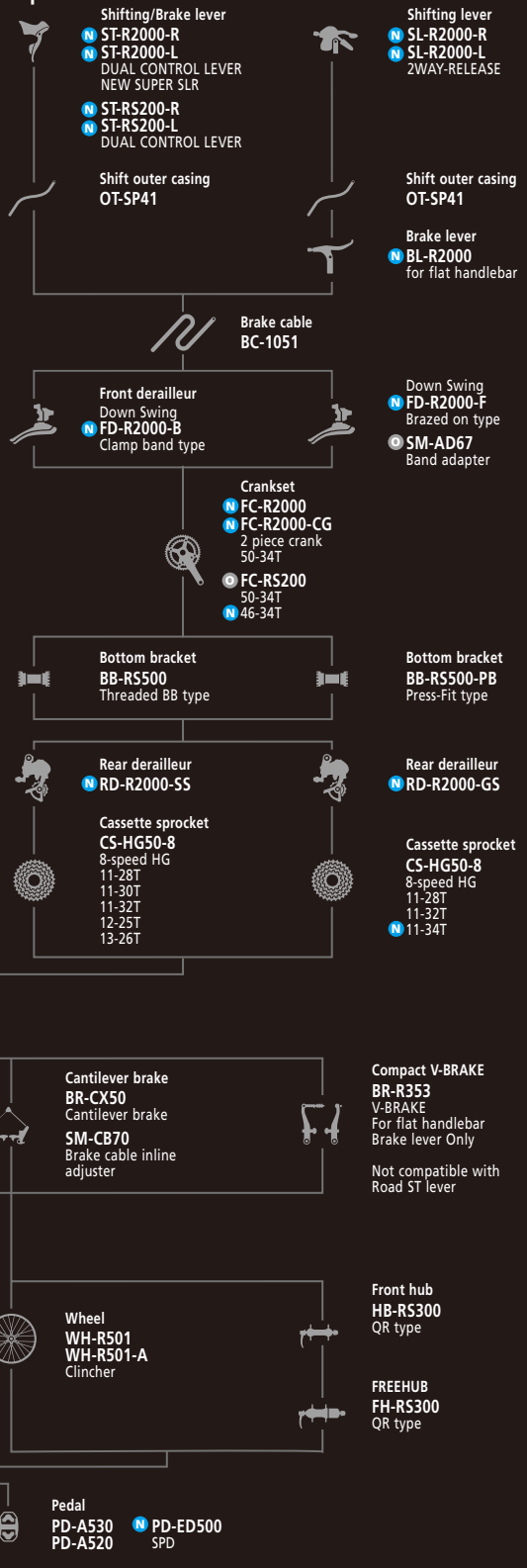
- Sporty and fun for diverse styles
- Stylish & clean design

❖ 3/2x8-speed

3x8-speed



2x8-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Claris



NEW

ST-R2000

DUAL CONTROL LEVER (2x8-speed)

- **Clean cockpit with smooth operation and clear feedback**
  - » Cable integrated design
    - OPTISLICK
  - » Ergonomically designed bracket
- **Versatile usage**
  - » Compatible with standard 8-speed RD

NEW

ST-R2030

DUAL CONTROL LEVER (3x8-speed)

- **Clean cockpit with smooth operation and clear feedback**
  - » Cable integrated design
    - OPTISLICK
  - » Ergonomically designed bracket

NEW

SL-R2000

RAPIDFIRE PLUS Shifting Lever (2x8-speed)

- **Clean cockpit with smooth operation and clear feedback**
  - » Lighter handling
    - RAPIDFIRE PLUS
- **Versatile usage**
  - » Compatible with standard 8-speed RD

NEW

SL-R2030

RAPIDFIRE PLUS Shifting Lever (3x8-speed)

- **Clean cockpit with smooth operation and clear feedback**
  - » Lighter handling
    - RAPIDFIRE PLUS

NEW

ST-RS200

RAPIDFIRE PLUS Shifting/Brake Lever Set (2x8-speed)

- **Clean cockpit for flat handle bar**
  - » OPTISLICK

NEW

ST-RS203

RAPIDFIRE PLUS Shifting/Brake Lever Set (3x8-speed)

- **Clean cockpit for flat handle bar**
  - » OPTISLICK

NEW

FD-R2000

Front Derailleur (2x8-speed)

- **Smooth gear transitions increase road-riding enjoyment**
  - » Lighter operation
- **Total capacity: 16T (FD-R2000-B, FD-R2000-F)**

NEW

FD-R2030

Front Derailleur (3x8-speed)

- **Smooth gear transitions increase road-riding enjoyment**
  - » Compatible with wider ratio gear combination
- **Total capacity: 20T (FD-R2030-B, FD-R2030-F)**



FC-R2000

NEW

FC-R2000

Crankset (2x8-speed)

- **Clean and stylish appearance**
- **Cascaded design image taken from high-end models**
  » High-end 4-arm FC design
- **Gear combination: 50-34T**
- **Gear combination: 50-34T (FC-R2000-CG)**
- **Crank arm length: 165 mm, 170 mm, 175 mm**
- **Crank arm length: 165 mm, 170 mm, 175 mm (FC-R2000-CG)**



FC-R2030

NEW

FC-R2030

Crankset (3x8-speed)

- **Clean and stylish appearance**
- **Cascaded design image taken from high-end models**
  » High-end 4-arm FC design
- **Gear combination: 50-39-30T**
- **Gear combination: 50-39-30T (FC-R2030-CG)**
- **Crank arm length: 165 mm, 170 mm, 175 mm**
- **Crank arm length: 165 mm, 170 mm, 175 mm (FC-R2030-CG)**



BB-RS500

BB-RS500

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction



RD-R2000-GS



CS-HG50-8

NEW

RD-R2000

Rear Derailleur (8-speed)

- **Smooth gear transitions increase road-riding enjoyment**
- **Wide gear range**
  » Lighter operation
  » Available in both SS and GS type
- **Total capacity: 43 T (RD-R2000-GS)**
  37 T (RD-R2000-SS)

NEW

CS-HG50-8

HG Cassette Sprocket (8-speed)

- **Multi-surface ridable gear ratio**
  » Current gear combinations: 11-28T, 11-30T, 11-32T, 12-25T, 13-26T
  » New gear combination: 11-34T



BL-R2000

BL-R2000

NEW

BL-R2000

Dual-Pivot Brake Lever

- **Compatible with a wide variety of brakes**



BR-R2000

NEW

BR-R2000

Dual-Pivot Caliper Brake

- **More than 30% greater brake performance as compared with the current brake caliper**
  » Adjustable R50T5 brake shoe compound
  » Compatible with 28C tire



HB-RS505



FH-RS505

HB-RS505

Front Hub for Hydraulic Disc Brake

FH-RS505

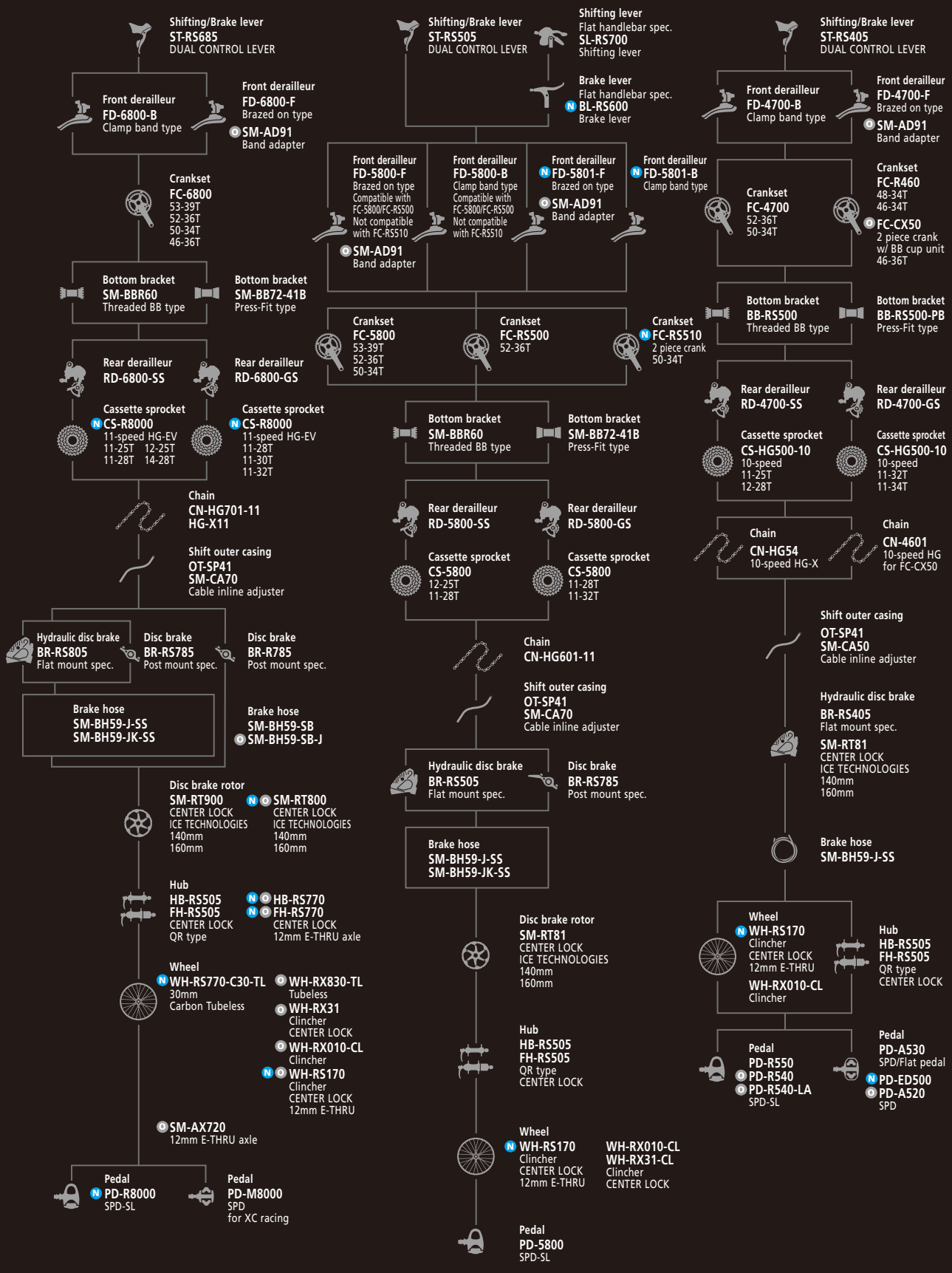
Rear FREEHUB for Hydraulic Disc Brake

- **Long-lasting performance**
  - Cup & Cone Bearing with internal grease sleeve
  - 11-speed FREEHUB (FH-RS505)
- **Easy installation**
  » CENTER LOCK system
- **Weight: 185g (HB-RS505)**
  385g (FH-RS505)

SHIMANO Cyclocross and On-road Disc Brake

Maintains braking performance in all weather conditions.
Brake power can be tuned to the ride conditions, terrain, riders size and ability.

❖ Hydraulic disc Brake for On road Mechanical Specification



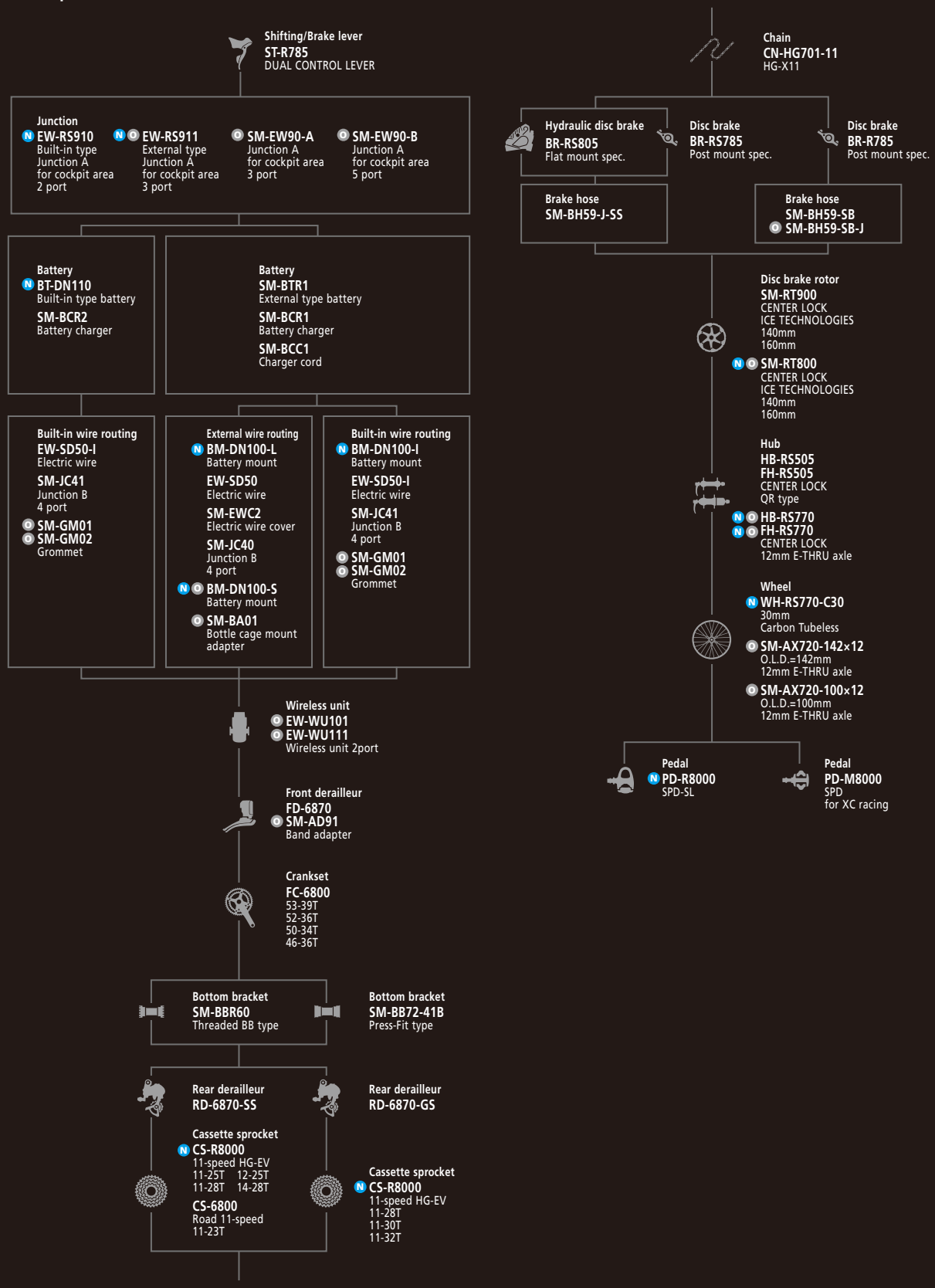
N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

❖ MAJOR BENEFITS

- Stable braking performance in any condition & stable shifting in any condition
- Controllability & High brake power for cyclocross

❖ Hydraulic disc Brake for On road Electronic Specification 2x11-speed



N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Cyclocross and On-road Disc Brake



ST-R785



ST-RS685-R

ST-R785

Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **Comfortable and natural hand position for all day riding comfort**
- **More stopping power, with less effort, especially from the hood position**
  - » High braking power ideal for cyclocross and on-road riding
- **Fits a wide variety of hand sizes from the hood position**
  - » Electronic shifting function based shift/brake lever allows for more compact, more ergonomic hood and lever design
  - » Reservoir tank provides pad clearance auto-adjust to maintain consistent pad clearance
- **Both lever Reach Adjust and Free Stroke adjust possible**
- **Weight: 500g (Pair)**

ST-RS685

Hydraulic Disc Brake DUAL CONTROL LEVER (11-speed)

- **Ergonomical and comfortable shape for all day riding**
  - » Reliable SHIMANO 11-speed mechanical shifting system
  - » More stopping power with less effort
  - » Features 10mm of lever reach adjustment
  - » Easy and clean bleeding system
- **Easy hose joint system (J-kit for OEM)**
- **Weight: 670g (Pair)**



ST-RS505

ST-RS505

Hydraulic Disc Brake DUAL CONTROL LEVER (2x11-speed)

- **More stopping power with less effort**
  - » Integration of hydraulic brake and shift lever
    - Dual Control ST incorporates hydraulic braking system
- **Comfortable and responsible**
  - » Smooth surface with enclosed mechanism
  - » Improved ergonomics with slim and compact bracket grip
  - » Light effort and clearly defined click engagement
- **Fits various hand sizes**
  - » Reach and free stroke adjust
- **Easy set up and maintenance**
  - Funnel bleeding
  - J-kit system
- **Weight: 665.3g (Pair)**



BR-RS805

SM-RT81-SS

SM-RT81

CENTER LOCK Disc Rotor

- **Rider tuned brake rotors**
  - » New compact and light weight rotor with sufficient heat management capacity
- **Minimize weight with compact rotors**
  - » Hyper-efficient heat dissipation
    - CENTER LOCK mount & light-weight adapter
- **Sustain braking performance under high demands**
  - » Rapid heat dissipation with deeper disc area
    - ICE TECHNOLOGIES
- **Size: 140mm**



BR-RS505

BR-RS805

Hydraulic Disc Brake Caliper

BR-RS505

Hydraulic Disc Brake Caliper

- **Powerfully integrated brake performance**
  - » Hydraulic braking system incorporated into the Dual Control Lever
    - Hydraulic disc brake caliper with opposed 2 piston
  - » Low-profile caliper design
    - Flat mount system
- **Simple set up and maintenance**
  - » Easy tool access
    - Flat mount system
  - » Easy and clean bleeding
    - One Way Bleeding
- **Weight: 290g (BR-RS805, pair)**
  290g (BR-RS505, pair)



ST-RS405-L ST-RS405-R

ST-RS405
Hydraulic Disc Brake DUAL CONTROL LEVER (2x10-speed)

BR-RS405
Hydraulic Disc Brake Caliper

- **Consistent braking performance in all weather conditions**
  - » Maintain braking performance
    - Integration of hydraulic brake and shift lever
    - ICE TECHNOLOGY rotors and pads dissipates heat
  - » Low profile disc caliper
    - SHIMANO Flat mount system
  - » Fits a wide variety of hand sizes
    - Slim and compact bracket grip
    - 10mm reach adjust mechanism
  - » Light effort, defined click engagement
    - Vivid index shifting
- **Ergonomical and comfortable shape for all day riding**
  - » Smooth surface with enclosed mechanism
- **Easy hose joint system**
  - » J-kit system
  - » Easy set up and maintenance
    - Funnel bleeding
  - » Both 140mm and 160mm rotor available with one bracket
    - SHIMANO Easy Flip-Flop bracket system



BR-RS405-F



BR-RS405-R



BR-RS785

SM-RT99-SS

BR-RS785
Hydraulic Disc Brake Caliper

BR-R785
Hydraulic Disc Brake Caliper

SM-RT99
CENTER LOCK Disc Rotor

- **Consistent braking performance in all weather conditions**
  - » ICE TECHNOLOGY Rotors and pads dissipates heat to maintain braking performance
- **Customizable for various riding conditions**
  - » Rotor size: 140mm standard, 160mm option
  - » ICE TECHNOLOGY Pad – resin pad standard, metal pad option
  - » Low profile caliper for small disc rotor
- **CENTER LOCK disc mount**
- **Easy hose joint system (J-kit for OEM)**
- **Hose connection**
  - » BR-RS785: Straight type
  - » BR-R785: Banjo type
- **Weight: 284g (BR-RS785, pair)**
  271g (BR-R785, pair)
  96.5g (SM-RT99, 140mm)

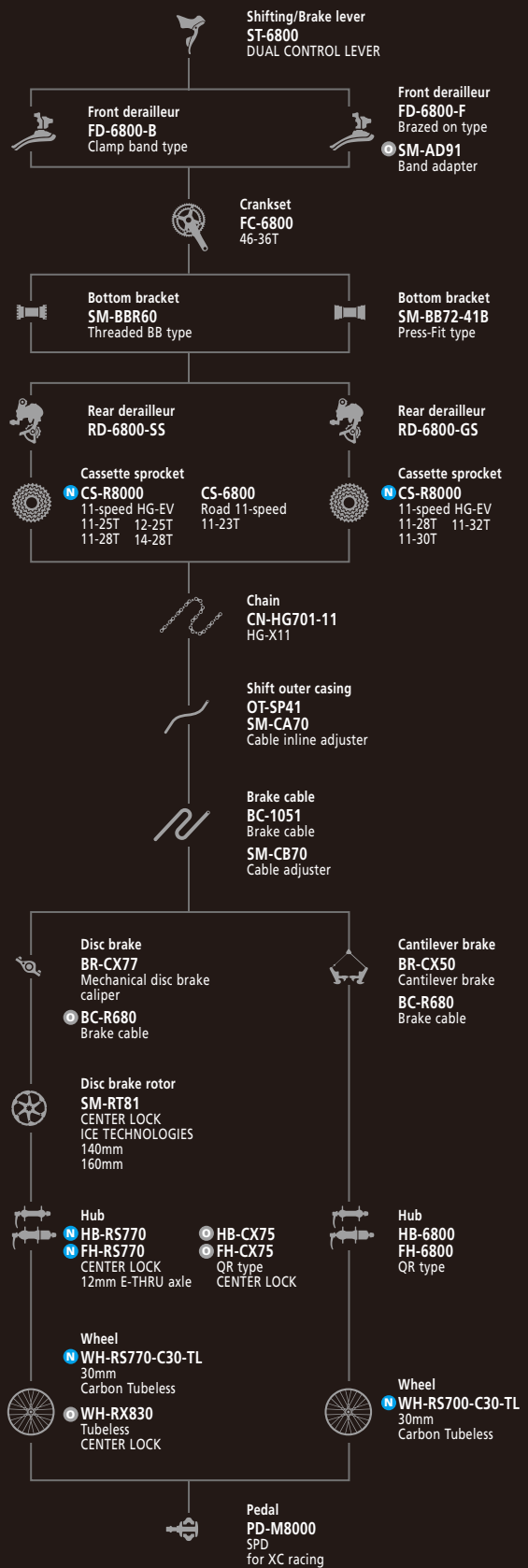


BR-R785

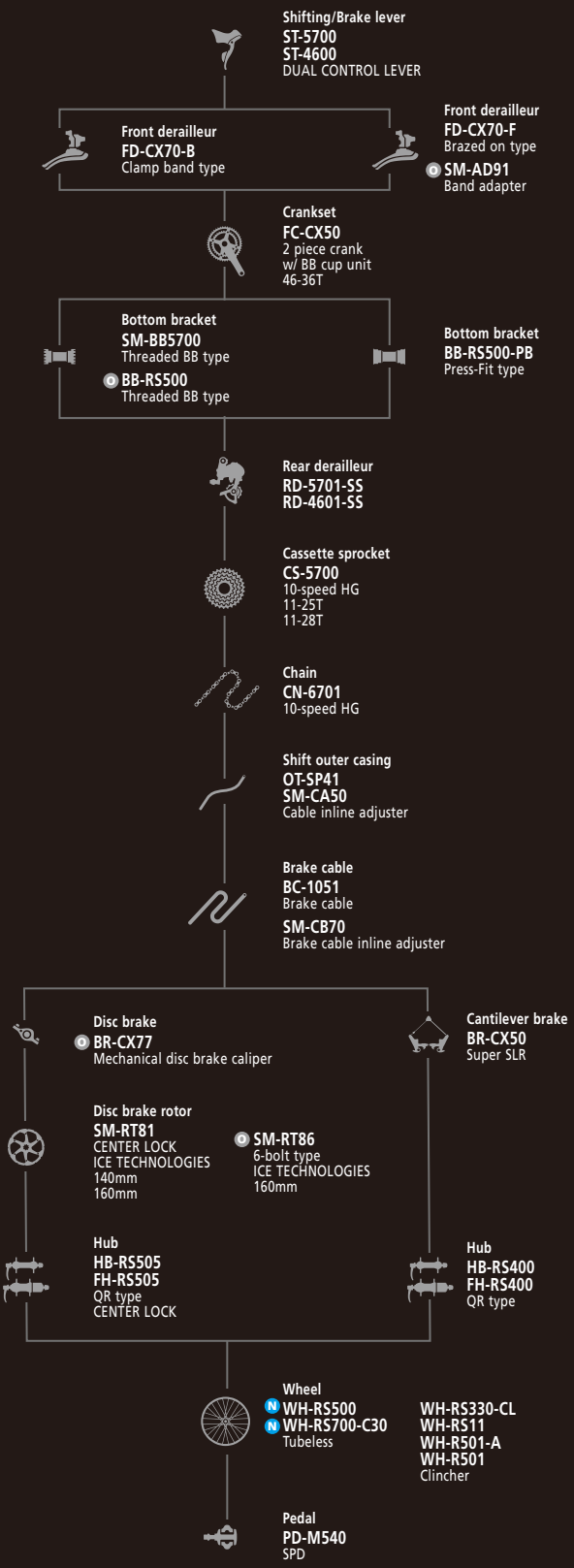
SHIMANO Cyclocross and On-road Disc Brake

❖ Cyclocross Mechanical Specification

2x11-speed ULTEGRA grade



2x10-speed 105/TIAGRA grade

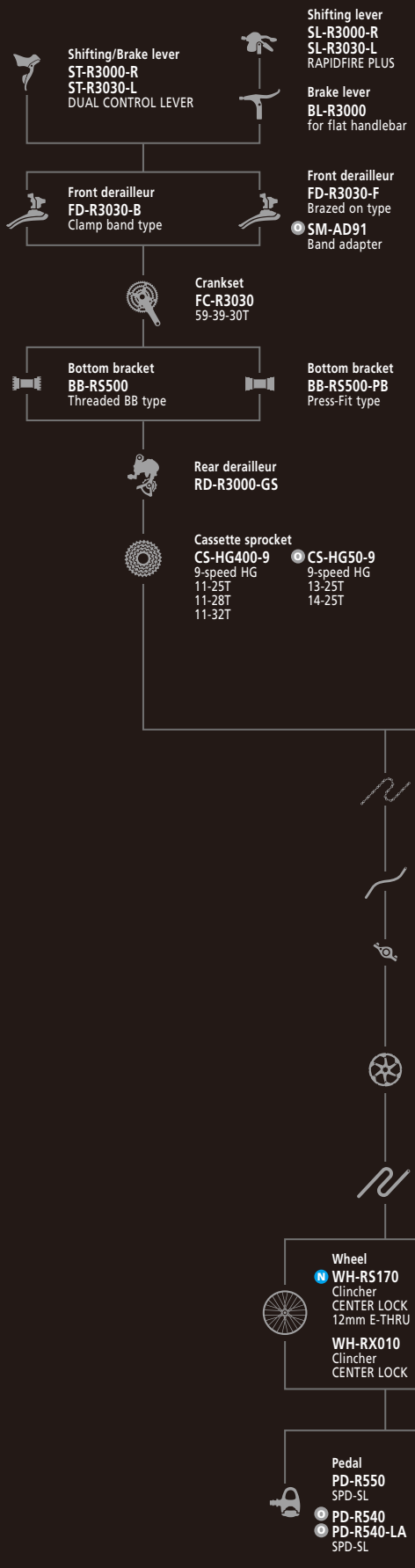


N New model
O Option

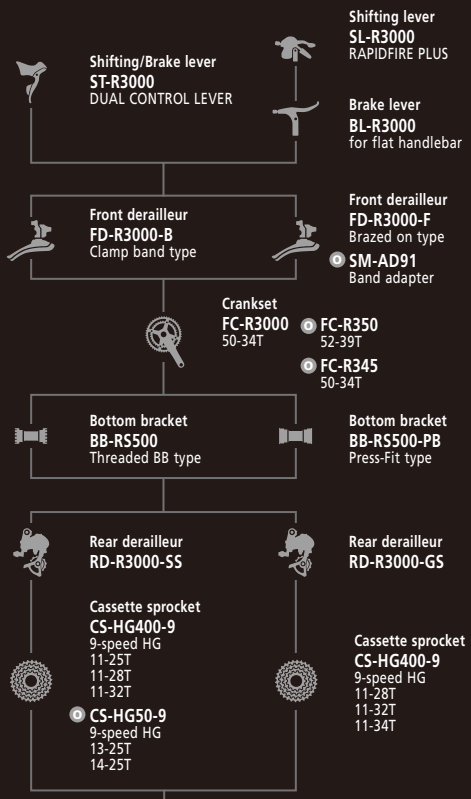
>>> http://productinfo.shimano.com/lineupchart.html

❖ Mechanical Disc Brake for On road Mechanical Specification

3x9-speed SORA grade



2x9-speed SORA grade



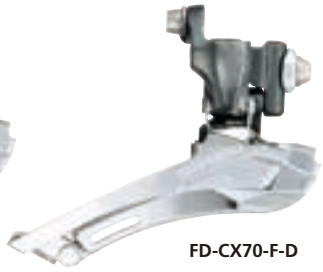
N New model
O Option

>>> http://productinfo.shimano.com/lineupchart.html

SHIMANO Cyclocross and On-road Disc Brake



FD-CX70-B-T



FD-CX70-F-D

FD-CX70-F-T
Direct Mount, Top Pull Front Derailleur (2x10-speed)

FD-CX70-B-T
Band Type, Top Pull Front Derailleur (2x10-speed)

FD-CX70-F-D
Direct Mount, Down Pull Front Derailleur (2x10-speed)

FD-CX70-B-D
Band Type, Down Pull Front Derailleur (2x10-speed)

- **Top Pull cable routing for best performance (FD-CX70-F-T/B-T)**
- **Chain guide developed for specifically cyclocross use**
- **Compatible with current SHIMANO road 10-speed (ST-5700/ST-4600)**
- **Top routing and down routing available**
- **Weight: 92g (FD-CX70-F-T)**
  108g (FD-CX70-B-T)
  87g (FD-CX70-F-D)
  103g (FD-CX70-B-D)



FC-CX50



FC-CX50

FC-CX50
Crankset (2x10-speed)

- **2-piece crank construction**
- **HYPERDRIVE SG-X chainring**
- **Optimized teeth design for smooth shifting**
  » Wide pitch gear
  » No chain touch
- **Chainring combination: 46-36T**
- **Weight: 798g (170mm, w/o BB)**
- **Color options: Black, Silver**



BB-RS500

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction



BR-CX50

BR-CX50
Cantilever Brake

- **Increased mud clearance**
- **Low profile for lighter porting**
- **High power brake**
  » NEW SUPER SLR braking performance
- **Road brake pad**
- **Cable inline adjuster SM-CB70**
- **Weight: 175g (F&R)**

SM-CB70

- **Inline brake cable adjuster**



BR-CX77

BR-CX77
Mechanical Disc Brake

- **Compact looking**
- **14% Low profile design saves the mechanical disc brake from damage CX75/R515 vs. R505**
- **Weight: 159g (F&R)**



HB-RS505

HB-RS505
Front Hub for Hydraulic Disc Brake

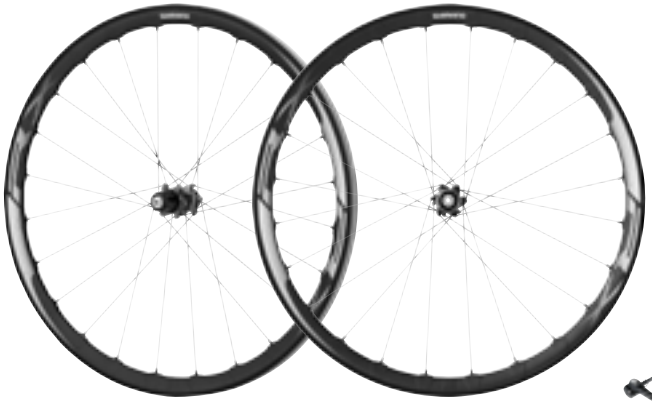
FH-RS505
Rear FREEHUB for Hydraulic Disc Brake



FH-RS505

- **Long-lasting performance**
  - Cup & Cone Bearing with internal grease sleeve
  - 11-speed FREEHUB (FH-RS505)
- **Easy installation**
  » CENTER LOCK system
- **Weight: 185g (HB-RS505)**
  385g (FH-RS505)

ROAD TUBELESS FOR DISC BRAKE



WH-RX830

Acceleration concept tubeless wheel

- **All-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Lightweight within rigid**
  - » Carbon laminated construction
  - » Road E-THRU 12 mm
- **Easy maintenance**
  - » Digital cone bearing adjustment system
- **Disc brake system**
  - » CENTER LOCK





FRONT/REAR



Carbon

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX830						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX830-TL	Tubeless	Quick Release	Carbon/Aluminum	11/10-speed	135 mm	829 g	993 g

ROAD CLINCHER FOR DISC BRAKE



WH-RX31

Durability, reliability and style. Ride in any weather conditions

- **Ride in any weather condition**
  - » 140 mm rotor compatible
  - » Double butted bladed spokes
  - » Applicable tire size: 25C-38C
  - » Rigid & stout rim of 23 mm width x 24 mm height profile
- **Disc brake system**
  - » CENTER LOCK







	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX31						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX31-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	899 g	1,093 g
WH-RX31-CL-F12 WH-RX31-CL-R12	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	873 g	1,072 g

SM-AX720-100x12

12mm E-THRU axle,100mm O.L.D.

SM-AX720-142x12

12mm E-THRU axle,142mm O.L.D.

- **Simple and clean appearance**
  - » 12mm E-THRU axle
- **Easy set up**
  - » Lever position adjustable
    - Integrated adjusting system
- **Stable fixing power**
  - » Cam lever fixing system

SHIMANO Cyclocross and On-road Disc Brake



ROAD CLINCHER FOR DISC BRAKE

WH-RX010

Confident handling in any weather

- **Ride in any weather condition**
  - » Compatible with 11/10-speed cassette sprockets
  - » 100 mm x 135 mm O.L.D.
  - » 140 mm disc brake rotor compatible
  - » Rigid & stout rim 23 mm width x 24 mm height
- **Disc brake system**
  - » CENTER LOCK





	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX010						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX010-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	982 g	1,177 g



ROAD TUBELESS

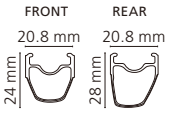
NEW

WH-RS700-C30

The versatile choice for rolling hills

- **Efficient acceleration**
  - » High drive rigidity
    - Front 24 mm and Rear 28 mm rim height
    - OPTBAL
- **Lightweight and rigid**
  - New layer-up tubeless carbon laminate rim
- **Smooth surface**
  - » New layer-up tubeless carbon laminate rim

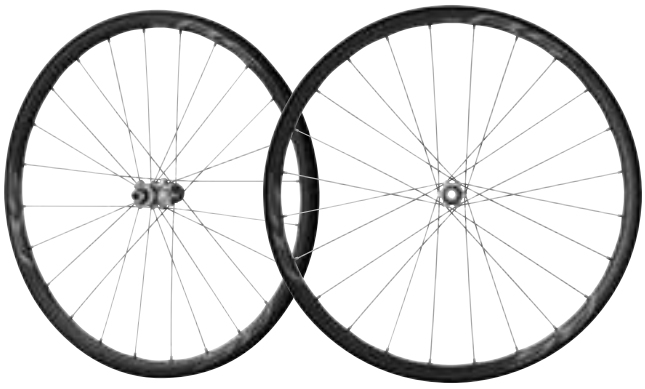




	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS700-C30						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS700-C30-TL	Tubeless	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	-	-

ROAD TUBELESS FOR DISC BRAKE



NEW

WH-RS770

Acceleration concept tubeless wheel

- **Efficient acceleration**
  - » High drive rigidity
    - OPTBAL
- **Lightweight and durable**
  - » Carbon laminate rim
  - » Road tubeless
- **Stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - » Simple handling and workability
    - CENTER LOCK mount

FRONT/REAR
23 mm
28 mm

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS770						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS770-TL	Tubeless	12 mm E-THRU	Carbon/Aluminum	11/10-speed	142 mm	-	-

ROAD CLINCHER FOR DISC BRAKE



Black White

NEW

WH-RS170

Durability, reliability and style. Ride in any weather conditions

- **Stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - » Simple handling and workability
    - CENTER LOCK mount
- **Color options: Black, White**

FRONT/REAR
Rim height: 24 mm
Rim width: 23 mm

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS170						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS170	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	-	-

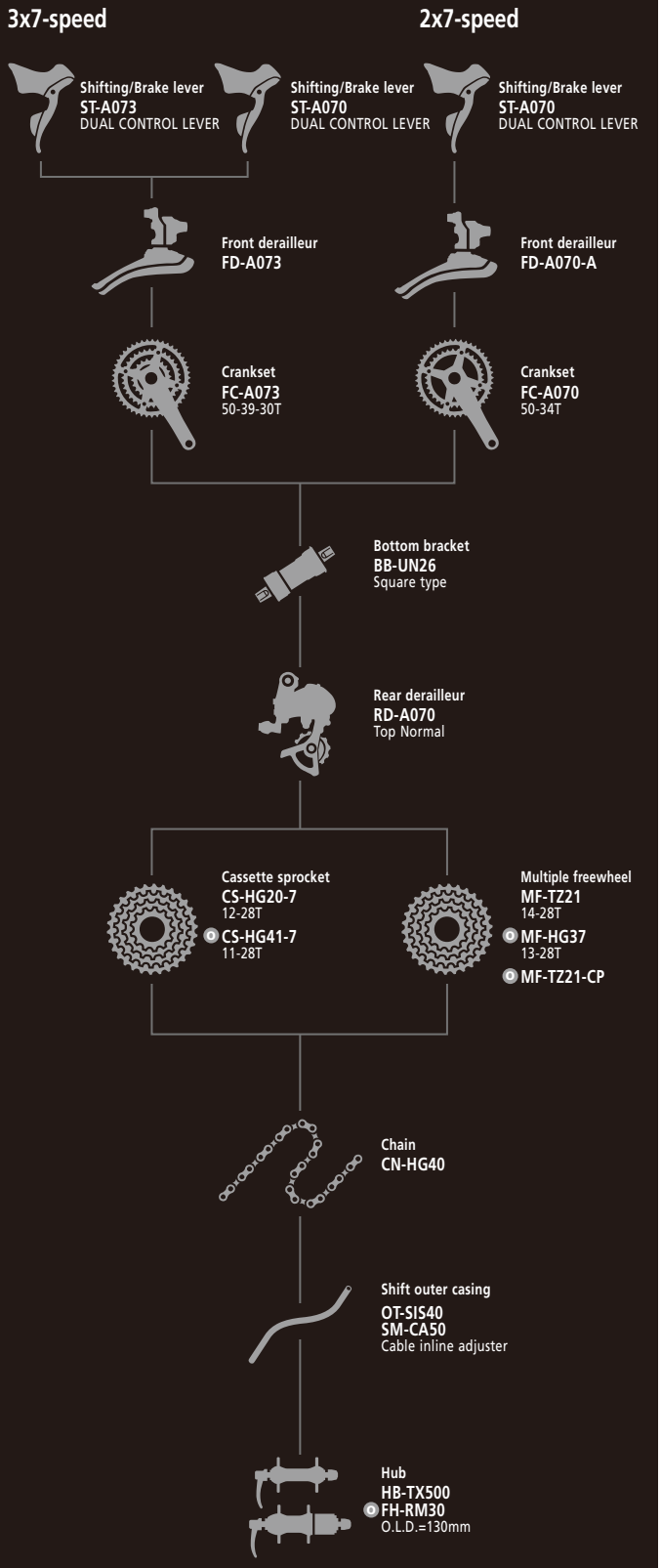
SHIMANO Tourney A070 Series

ENJOY CASUAL ROAD BIKE BY APPROPRIATE GEAR RATIO

❖ MAJOR BENEFITS

- Light operation and Smooth shifting
- Stress free for urban cycling

❖ 3/2x7-speed





ST-A070

DUAL CONTROL LEVER (2x7-speed)

- **DUAL CONTROL LEVER (2300 operation style) for 7-speed**
- **Screw type Reach Adjust**

ST-A073

DUAL CONTROL LEVER (3x7-speed)

- **Light and precise shifting**
  - » DUAL SIS
  - » DUAL CONTROL LEVER (2300 operation style) for 3x7-speed
  - » SUPER SLR compatible
  - » Reach Adjust by screw bolt (stepless adjustment)
  - » Optical Gear Display



FD-A070-A

Front Derailleur (2x7-speed)

FD-A073

Front Derailleur (3x7-speed)

- **Light operation and smooth shifting**
  - » DUAL SIS
  - » Multi clamp band (L size band spec addition)
  - » SG-X chainring compatible
  - » Quick assemble
  - » Interchangeable with SHIMANO road 7-speed system
  - » Easy adjusting

O Option

SHIMANO Tourney A070 Series



FC-A070

DUAL SIS INDEX SG-X

FC-A070
Crankset (2x8/7-speed)

- **50-34T**
- **8/7-speed compatible**



FC-A073

DUAL SIS INDEX SG-X

FC-A073
Crankset (3x8/7-speed)

- **Light operation and smooth shifting**
  - » DUAL SIS
  - » SG-X chainring
  - » Interchangeable with SHIMANO road front chainring 8/7-speed system
  - » 165mm, 170mm crank arm length available
  - » BB-UN26
  - » 50-39-30T, chain guard



BB-UN26

BB-UN26
Cartridge Bottom Bracket



RD-A070

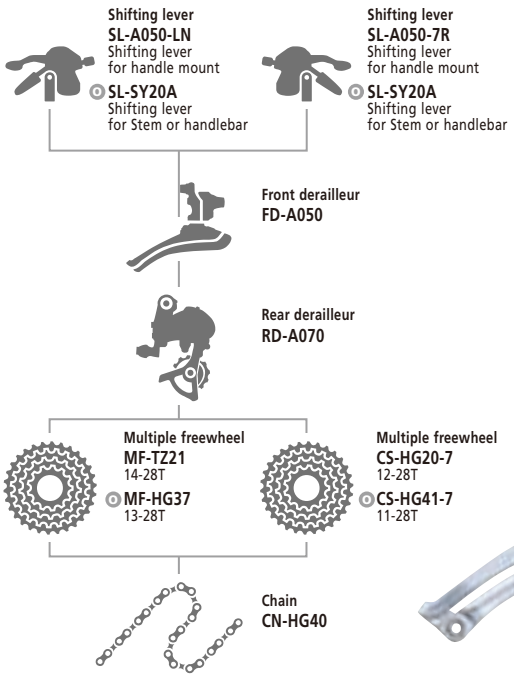
SIS INDEX

RD-A070
Rear Derailleur (7-speed)

- **Compatible with 11T min. top sprocket 28T max. low sprocket**
- **Total capacity: 37T**
- **SMART CAGE (11/13T)**

SHIMANO A050

2x7-speed





SL-A050-LN

SL-A050-7R

SIS INDEX

SL-A050
Shift Lever (2/Frictionx7-speed)

- **Handlebar mount**



SL-SY20A

SL-SY20A
Shift Lever (2/Frictionx7/6-speed)

- **Stem or down tube mount**



FD-A050

SIS INDEX

FD-A050
Front Derailleur (2x7-speed)

- **For double chainrings**

>>> http://productinfo.shimano.com/lineupchart.html

O Option

SHIMANO Series

High-quality Road Components from SHIMANO's Experience



FC-RS510

HG-EV

2-PIECE CRANKSET

For 11-speed

NEW

FC-RS510
Crankset (2x11-speed)

- **Affordable and high-end styled crankset**
  - » 50-34T
    - 4-arm crankset for 11-speed drivetrain
  - » Compatibility with frames of O.L.D. 135 mm and 410 mm chainstay length
- **Gear combination: 50-34T**



FC-RS500

HG-EV

2-PIECE CRANKSET

FC-RS500
Crankset (2x11-speed)

- **Smooth SHIMANO front shifting**
- **Popular gear combination**
  - » 46-36T, 52-36T
  - » 165mm/170mm/172.5mm/175mm
- **Affordable 11-speed crankset**
- **Weight: 823g (52-36T, 170mm, w/o BB)**
  790g (46-36T, 170mm, w/o BB)
- **Color options: Black, Silver**



FC-RS500

HG-EV

2-PIECE CRANKSET



BB-RS500

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction



FC-R460

2-PIECE CRANKSET

For 10-speed

FC-R460
Crankset (2x10-speed)

- **Crank arm length: 165,170,175mm**
- **Gear combination: 48-34T, 46-34T**

FC-RS400
Crankset (2x10-speed)

- **Value priced crank without sacrificing shifting performance**
  - » Affordable 10-speed crankset
    - 10-speed HG-X
    - 2-piece crank
- **Crank arm length: 170, 175mm**
- **Gear combination: 50-34T**



FC-RS400

2-PIECE CRANKSET



BB-RS500

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction




BB-RS500






BB-ES300


BL-R400




SL-R400


FC-RS200


BB-UN26

For 9-speed

FC-R350
Crankset (2x9-speed)

- **Adding suitable high gear for top chainring**
- **Gear combination: 52-39T**
- **2-PIECE CRANKSET with integrated bottom bracket design**
- **HYPERDRIVE SG-X chainrings**

FC-R345
OCTALINK Crankset (2x9-speed)

- **HYPERDRIVE SG-X chainrings**
- **Lightweight and smooth shifting for entry rider comfort riding**
- **Appropriate gear ratio 50-34T**
- **BB-ES300**
- **Crank arm lengths: 170mm, 175mm**
- **Color options: Black, Silver**

BB-RS500
Bottom Bracket

BB-RS500-PB
Press-Fit Type Bottom Bracket

- **Long-lasting performance**
  - New seal construction

BB-ES300
OCTALINK Bottom Bracket

- **Stiff and lightweight for efficient power transfer**
  - » Durable spline reinforced construction
    - 8-splined OCTALINK interface increases the strength and rigidity of the entire assembly
  - » 26g lighter weight than BB-ES25
- **Quick and precise assembly**
  - » Good chain line control with chain stabilizer

For 8-speed

SL-R400
Shift Lever for Down Tube (8-speed)

- **8-speed compatible**
- **OT-SP41 cable housing**

BL-R400
Brake Lever

- **Aerodynamic lever design**
- **SUPER SLR system**
- **Compatible with all Dual-Pivot brakes**

FC-RS200
Crankset (2x8-speed)

- **Smooth shifting performance under various conditions**
- **Clean and stylish appearance**
- **New gear combination added: 46-34T**
- **Gear combination: 50-34T**

BB-UN26
Cartridge Bottom Bracket

SHIMANO Series



BR-R650

Calliper Brakes

BR-R650
Dual-Pivot Caliper Brake

- **Dual-Pivot design**
  - » Dual-Pivot construction provides increased leverage from more compact caliper arms while improving braking response
- **Cartridge shoe holder**
- **SUPER SLR system**
- **57mm reach type**



BR-R561



BR-R561

BR-R561
Dual-Pivot Caliper Brake

- **Providing light action & accurate brake power**
  - » NEW SUPER SLR
  - » Adjustable toe-in brake shoes
- **Cartridge brake shoes**
- **Durable quick release**
- **Anodized surface**
  - » Arch size: 39-49mm
- **Color options: Black, Silver**



BR-R451



BR-R451

BR-R451
Dual-Pivot Caliper Brake

- **Providing light action & accurate brake power**
  - » SHIMANO SUPER SLR system
  - » Adjustable toe-in brake shoes
- **Quick release Wider Open**
- **57mm reach type**
- **Color options: Black, Silver**



BR-R353



BR-R353

V-BRAKE

BR-R353
V-BRAKE

- **Compact arch size 90mm for proper braking power**
- **Bending curve shape for tire clearance**
- **Compact looking**
- **Compatible with road brake lever for Flat Handle/ Pavement bike**
- **Color options: Black, Silver**

Mechanical Disc Brakes



BR-R317



BR-R317

BR-R317
Mechanical Disc Brake Caliper

- **Compact design**
- **Lower profile (vs. BR-R505)**
- **SM-RT54 160mm recommended**
- **Color options: Black, Silver**



BR-RS305-R



BR-RS305-F

BR-RS305
Mechanical Disc Brake Caliper

- **Easy to control and clean appearance with stable brake performance for ordinary riders**
  - » Heat management system
    - ICE TECHNOLOGY pad with fin
  - » Low profile disc caliper
    - SHIMANO Flat mount system
- **Easy set up and maintenance**
  - » Wide pad clearance
  - » Easy tool access
  - » Both 140mm and 160mm rotor available with one bracket
    - SHIMANO Easy Flip-Flop bracket system

Front Hub / Rear FREEHUB



HB-RS400



FH-RS400

HB-RS400
Front Hub

FH-RS400
Rear FREEHUB

- **High durability for sustained performance**
  - » Maintains grease levels, helping to prolong product life
    - Internal o-rings and a grease sleeve helps maintain grease levels
  - » Smooth rotating
    - Cup & Cone
- **Color options: Black, Silver**



SM-CA70



SM-CA50

Cable Inline Adjusters

SM-CA70/50
Inline Shifting Cable Adjuster

- **Inline type of cable adjuster**
- **Possible to fit several type of frame**

SHIMANO Series

Flat Handlebar Components



SL-RS700-R



SL-RS700-L

For 11-speed

SL-RS700
RAPIDFIRE PLUS Shift Lever (2x11-speed)

- **11-speed RAPIDFIRE PLUS shift lever with vivid feel ergonomics**
  » Ergonomic lever shape, orbit and easy access to levers
- **Quick, simple and versatile operation**
- **Color options: Black, Silver**



SL-R780



SL-R780

For 10-speed

SL-R780
RAPIDFIRE PLUS Shift Lever (2x10-speed)

SL-R783
RAPIDFIRE PLUS Shift Lever (3x10-speed)

- **Compatible with normal road front derailleur**
- **MULTI RELEASE**
  » Up to 2 shifts with release lever
- **INSTANT RELEASE**
  » Quick and accurate shifts
- **2-WAY RELEASE**
  » Shift lever release options
- **Weight: 270g (SL-R783, Pair)**
  270g (SL-R780, Pair)
- **Color options: Black, Silver**



BL-RS600

Brake Lever

BL-RS600
Hydraulic Disc Brake Lever

- **Optimized braking power curve and stability for the regular rider**
  » 3 finger brake lever is more comfortable for daily use
- **Easy setup and connection**
  - I-SPEC II
  - J-kit option
- **Compatible with SL-RS700**



BL-R780



BL-R780



BL-R550

BL-R780
Brake Lever

- **Integrated design with shift lever**
  » Compact and easy maintenance
- **Better brake control performance/function**
  » NEW SUPER SLR: enhanced brake arch pivot location for quick linear response
- **More brake choices**
  » Compatible with V-BRAKE, canti brake, mechanical disc brake
- **Weight: 170g (Pair)**
- **Color options: Black, Silver**

BL-R550
Brake Lever

- **More brake choices**
  » Compatible with SUPER SLR caliper brake, mechanical disc brake, canti brake
- **Color options: Black, Silver**



HB-7600-F



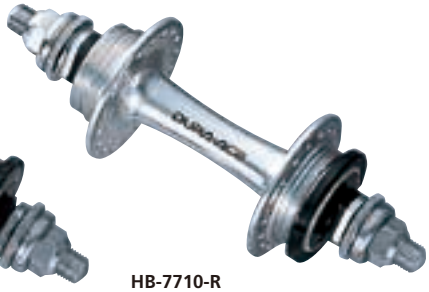


HB-7600-R



HB-7710-F

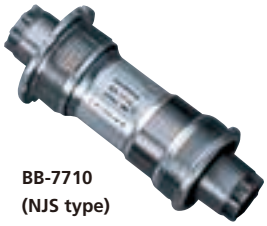




HB-7710-R



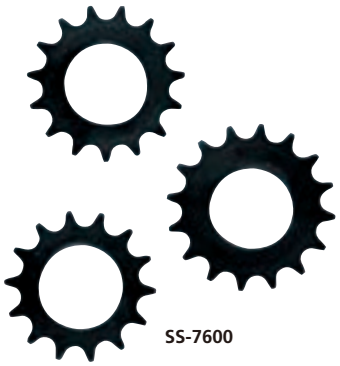
BB-7700



BB-7710
(NJS type)



FC-7710



SS-7600



HP-7410

E-BIKE

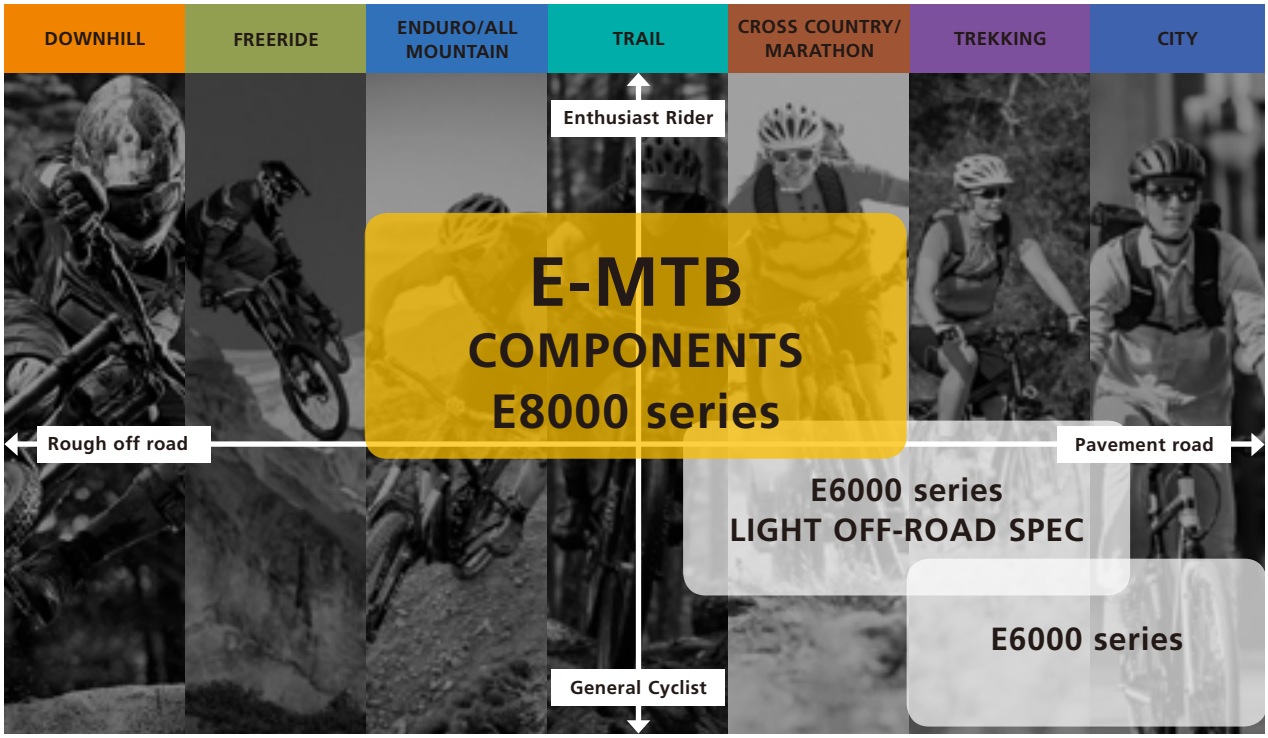
Less energy but more fun

More and more people are turning to E-BIKES as their personal transport solution. E-BIKES make cycling as a regular form of transport a viable option for a wide range of people. E-riders are getting further than ever while using less energy.

Even fit, experienced cyclists will expend less energy on an E-BIKE, arriving at their destination feeling clean and refreshed. The appeal of E-BIKES is broad – you get most of the benefits of cycling (fitness, fresh air, door-to-door convenience) but it's simply easier.



RIDING ZONE MAP



No matter what the maker of the bike, the frame design, or style is, these parts are the heart of SHIMANO STEPS. With SHIMANO STEPS on board, you can be sure of seamless, integrated performance and reliability.

E8000 series



E6000 series



SMOOTH RIDING

Smooth and Silent Riding with Intelligent Power
Discover high-level E-BIKE performance. SHIMANO STEPS lifts E-BIKE enjoyment to the next level by optimally balancing range, lightweight performance, and low noise—with battery power to spare.

Sensor Technology
SHIMANO STEPS incorporates sensors that pick up information about torque, speed, cadence, and crank position so that the system can provide smooth and optimally matched pedaling force.



SMOOTH SHIFTING

SYMPHOMATIC

SHIMANO STEPS computer-assisted shifting system provides a more responsive and stable shifting performance. This innovative system monitors rider's motion and determines the optimal timing to momentarily decrease power to the pedal-assist motor. The temporary reduction of chain tension allows the gear movement of drive train to function smoothly and unimpeded.

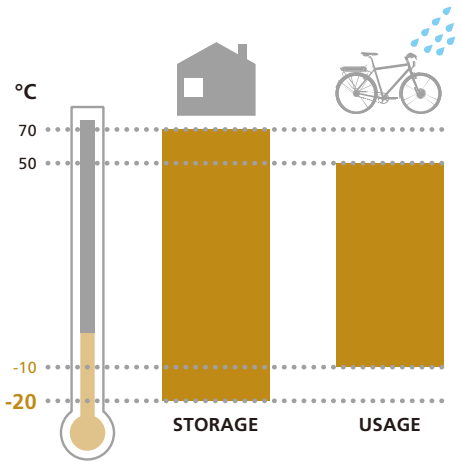
COMPACT AND LIGHTWEIGHT

System Component Design
The 3.2 kg (DU-E6002) drive unit is sleek, compact, and lightweight. Its compact dimensions not only give the bike a more refined silhouette, they also improve ground clearance. This, along with the drive unit's lightweight design and low center of gravity, makes the E-BIKE easier to handle for everyone, whether young or old.



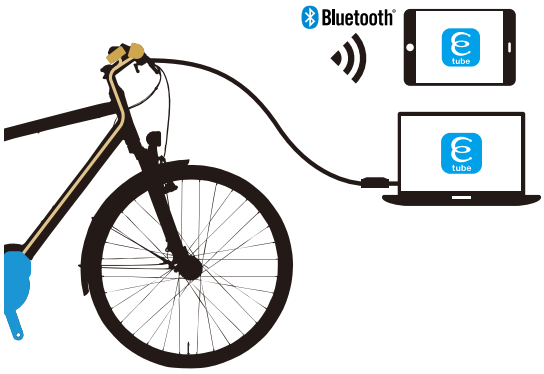
LONG LIFE BATTERY

The SHIMANO STEPS system uses a long-life battery that provides ample power even after being recharged 1,000 times. Designed to support year-round riding in all conditions, this battery handles hot and cold weather with ease. It can be mounted either on the down tube or on a rear carrier, depending on the style of your bike. In the case of down tube mounting, a side-swing mount is available to enable easy removal.



E-TUBE

E-TUBE is system platform in order to achieve DI2 (DIGITAL INTEGRATED INTELLIGENCE) concept. E-TUBE transmits interactive signals and power supply to each electronic components by “plug & play” connection. E-TUBE is no rust, no stretch, no freeze and it ensures advanced low maintenance. It offers optimum flexibility on your bike. E-TUBE project gives you to customize setting of electronic components and update its firmware by Windows PC or tablet, smartphone. You can access a range of electronic components information quick and easy and check the system status in moments.



CONVENIENT FUNCTIONS

Full Automatic Shifting
A combination of the SHIMANO STEPS drive units DU-E6002 & DU-E6012 and DI2 compatible hubs offer the possibility for full automatic shifting. Based on cadence and speed, the SHIMANO STEPS system automatically gives a signal to the DI2 hub to shift to the matching gear. The drive unit temporary reduce the chain tension while pedaling, which allows the hub to change in the correct gear. This results in a smooth riding experience where a rider does not have to worry about riding in the right gear, because the system automatically shifts to the correct gear. Very useful when a rider is not used to shifting gears or suddenly needs to stop.

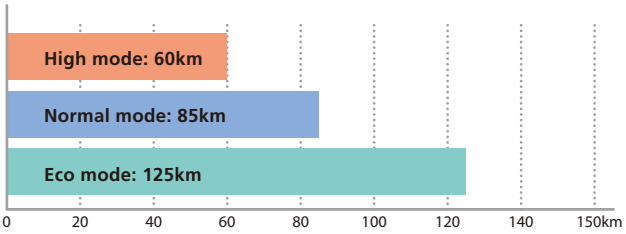
Walk Assist
Walk Assist function that provides power assistance up to 6km/h. This is particularly useful when you need to push your bike up a steep slope—for example, out of a basement garage. Operation is easy, thanks to the ergonomically shaped switch.

Start Mode
When you come to a stop, shifts down automatically to an appropriate gear for when you’re ready to push off again. As E-BIKE riders tend to use higher gears and sometimes forget to shift down when they stop, this feature can reduce the drain on battery power. It’s another SHIMANO original DI2 technology.

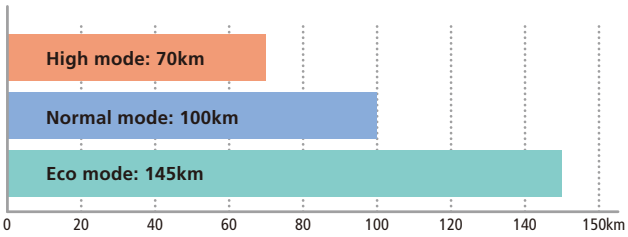
Light Off Road spec.
SHIMANO STEPS has a separate setting for sportive riding on gravel and smooth jeep roads (not extreme mountain bike trails). Dedicated firmware for the drive unit which offers more sportive riding characteristics and added compatibility for its 11-speed mountain bike rear derailleurs with an 11-speed chainring with chain guard (SM-CRE60) and a compatible 11-speed chain for E-BIKES (CN-HG701-11, CN-HG901-11, CN-HG601-11). These changes make it possible to enjoy SHIMANO STEPS E-BIKES at a wider variety of terrains.

RIDING DISTANCE (E6000 series)

418Wh



504Wh



*Based on SHIMANO tests conducted under normal riding conditions on a bike equipped with an internal geared hub system. Please note that results should be affected by various factors.

Factors affecting battery life

The course condition
Hilly or flat terrain; wind strength and direction; temperature; road surface
The bike and rider conditions
Bike weight; tires and wheels; drivetrain; rider’s weight; pedaling style; riding position

Mode comparison

Mode	High	Normal	Eco
Max. torque	>50Nm	>40Nm	>30Nm
Max. assist ratio	230%	150%	70%

RELIABILITY

SHIMANO STEPS is an extremely reliable system that conforms to the EN 15194 standard for Electronically Power Assisted Cycles (EPAC).

SHIMANO STEPS E8000 Series

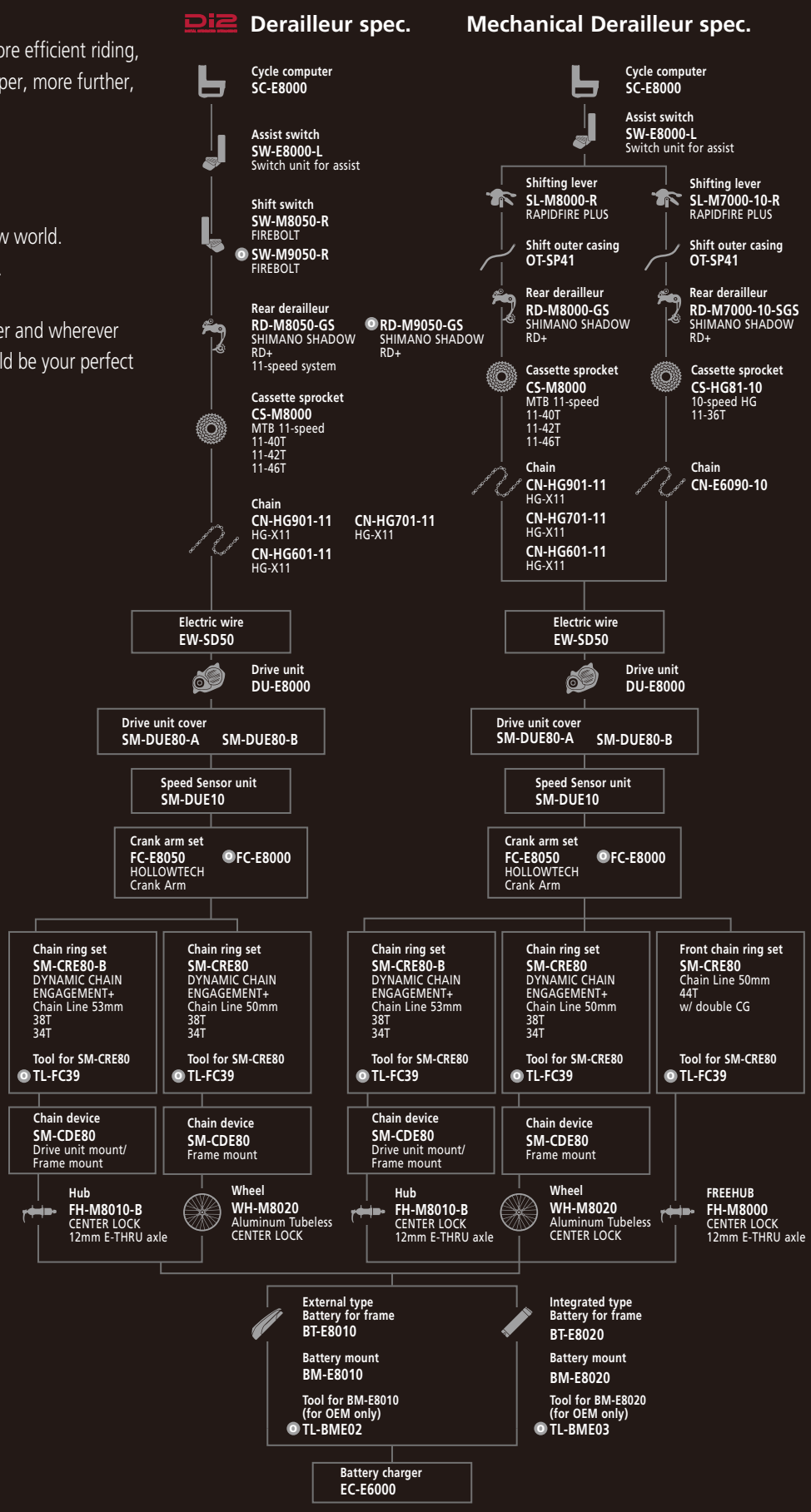
EXPLORE NEW GROUNDS

MORE FUN! MORE TRAILS!
Go further with less energy, more efficient riding, more fun brings you more steeper, more further, more faster than ever before!

Expands your new MTB world.
Brings you to new MTB world.
Assists you to discover your new world.
E-MTB is the bike of the future.

You can do whatever, whenever and wherever you want to do. An E-MTB could be your perfect partner.

❖ E8000 series E-BIKE components



>>> http://productinfo.shimano.com/lineupchart.html

O Option

SHIMANO STEPS E8000 Series



SC-E8000

SC-E8000
Cycle Computer

- **Wireless programmability**
  - » Customize through E-TUBE project application with smartphone and tablet



SW-E8000-L

SW-E8000-L
FIREBOLT Shifter

- **Intuitive operation**
  - » Vivid click feeling = FIREBOLT
  - » Power mode change "like normal shifting"
  - » Ergonomic switch position for MTB riding
- **Power Walk mode**
  - » Motor assist available to push bike



EW-SD50

EW-SD50
Electric Wire

- **Transmits interactive signals and power supply to each electronic components by "plug & gap" connection**
- **Compact and waterproof connector**
- **Easy to insert into frame**
- **Cable length 150 mm - 1600 mm**
- **With cable tie type for built-in cable routing (EW-SD50-I)**



DU-E8000

DU-E8000
Drive Unit

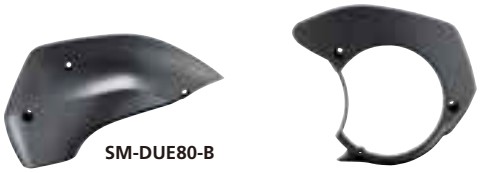
SM-DUE80-A
Drive Unit Cover

SM-DUE80-B
Drive Unit Cover

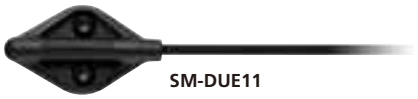
- **Compact drive unit**
  - » Shorter chain stay possible
  - » More clearance (suspension/tire)
- **Power output**
  - » 70Nm (max.), 250W
- **Lightweight**
  - » Lighter than DU-E6002
  - » Improves bike handling
- **DU characteristics**
  - » Direct pedaling feel in on and off assist power
  - » Stable Assist Power output



SM-DUE80-A



SM-DUE80-B



SM-DUE11

NEW

SM-DUE11

Speed Sensor System

- **MTB-dedicated design**
  - » Robust and durable platform for rough trails
  - » More space for wider tires
- **More compatibility**
  - » Compatible with both the E8000 and E6000 series
  - » Compatible with CENTER LOCK disc brake FREEHUB of 10/9/8-speed and MTB 11-speed and CENTER LOCK disc brake for 11/8-speed internal geared hub
- **CENTER LOCK disc brake system**
  - » Compact, clean and low profile design
  - » Easy rear-wheel installation
- **Combination of E-BIKE specific disc brake rotor and magnet bracket**
  - » Magnet bracket NOT compatible with any current rotors
  - » E-BIKE disc brake rotor ONLY for rear wheel



RT-EM900

NEW

RT-EM900

Speed Sensor System

- **Size: S: 160 mm, M: 180 mm**



RT-EM800

NEW

RT-EM800

Speed Sensor System

- **Size: S: 160 mm, M: 180 mm**



SM-DUE10

SM-DUE10

Speed Sensor Unit

- **Cable length: 540 mm**



FC-E8050

FC-E8050
Crankset

SM-CRE80-B
Chainring for Chain Line 53mm

SM-CDE80
Chain Device

- **E-MTB dedicated crank set**
  - » w/o Chain Guide only
  - » 34T, 38T option for 10s and 11s
  - » Crank options
    - Hollow crank arm
  - » HOLLOWTECH II type BB axle
    - Lightweight and rigidity
  - » 2 options on the grade of price
  - » DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop
  - » Compatible with chain line 50 and 53mm
- **Chain management**
  - » Chainring
    - Same profile as SM-CRM81 (DEORE XT)
  - » Chain device
    - Drive unit direct mount type (53mm CL)
    - Frame mount type (50mm / 53mm CL)
- **Crank arm length: 170, 175mm**



SM-CRE80-B



FC-E8000

FC-E8000
Crankset

SM-CRE80
Chainring for Chain Line 50mm

SM-CDE80
Chain Device

- **E-MTB dedicated crank set**
  - » w/o Chain Guide only
  - » 34T, 38T option for 10s and 11s
  - » Crank options
    - Solid crank arm
  - » HOLLOWTECH II type BB axle
    - Lightweight and rigidity
  - » 2 options on the grade of price
  - » DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop
  - » Compatible with chain line 50 and 53mm
- **Chain management**
  - » Chainring
    - Same profile as SM-CRM81 (DEORE XT)
  - » Chain device
    - Drive unit direct mount type (53mm CL)
    - Frame mount type (50mm/53mm CL)
- **Crank arm length: 170, 175mm**



SM-CRE80



SM-CDE80



BT-E8010
BM-E8010

BT-E8010
Battery for Down Tube

BM-E8010
Battery Mount for Down Tube

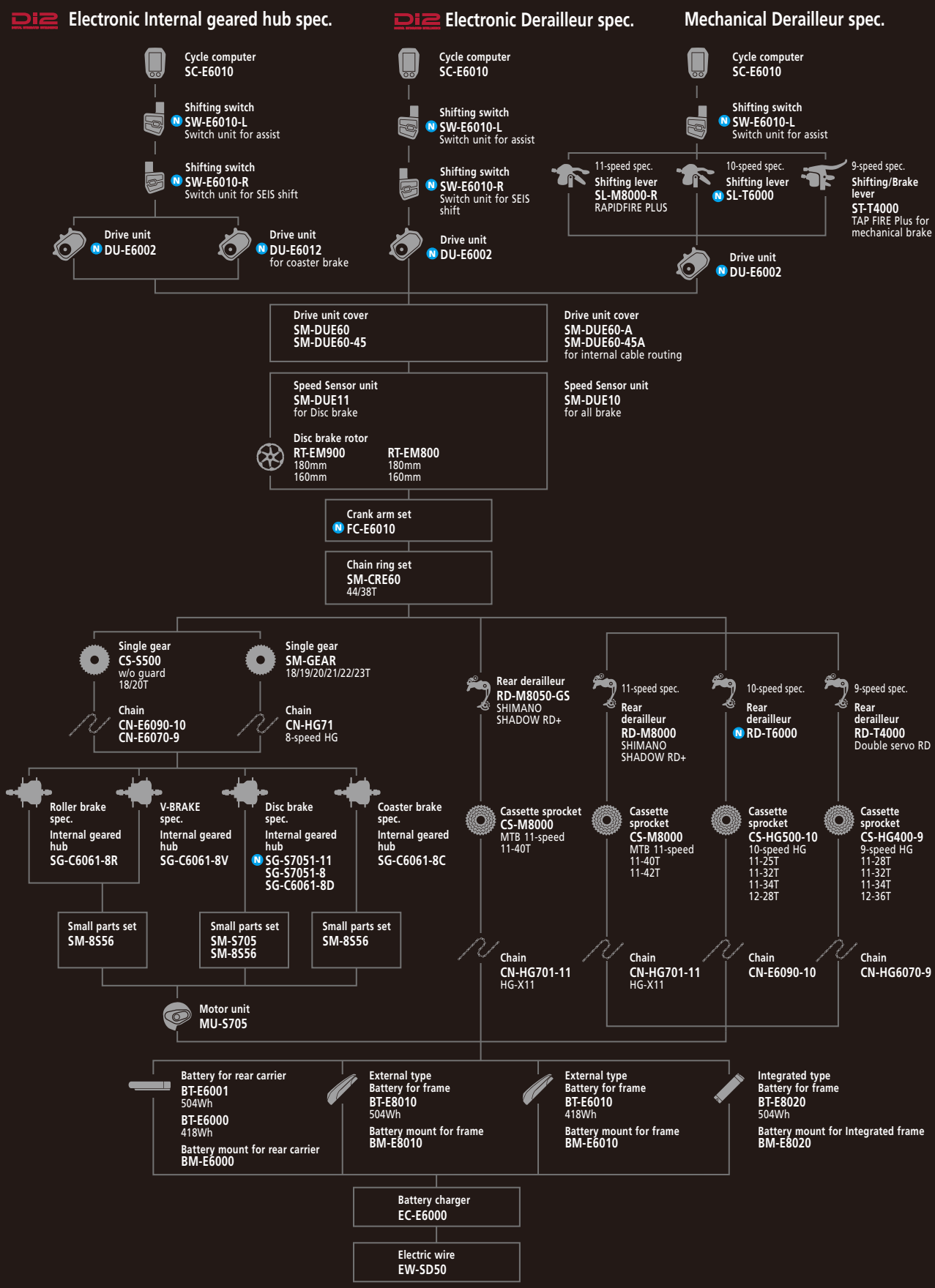
- **MTB dedicated design**
  - » Low profile
  - » Impact and vibration resistant
  - » Water proof
- **Capacity: 504Wh (36V, 14Ah)**
  - » Long riding range
- **Durable battery**
  - » Consistent recharge
- **Compatible with E6000 series**
  - » Use a set BM-E8010
  - » Longer riding distance (100km) on normal mode with DU-E6002/E6012
  - » Keep compatibility with current EC-E6000 and current frame mount
- **Battery life: *1000 cycles * After 1,000 cycles full charging still more than 300Wh=60% (Reference)**

SHIMANO STEPS E6000 Series

ENERGIZE YOUR LIFESTYLE

Getting around town has never been easier. Cruise through town for days on a single charge. If you're in a hurry to meet friends, SHIMANO STEPS technology will give you that extra push in a headwind. Cycle to work and pass traffic jams without over-exerting yourself. Wherever you're going, SHIMANO STEPS gets you there fresh.

❖ E6000 series E-BIKE components



>>> http://productinfo.shimano.com/lineupchart.html

N New model



SC-E6010

SC-E6010
Cycle Computer

- **Easy to read screen**
  » Wide display with larger font
- **Simple operation**
  » Power on/off switch
  » Light on/off switch
- **More convenient**
  » Adapts 6 Languages(English, French, German, Dutch, Italian and Spanish)
- **Maintains compatibility**
  » Compatible with SC-E6000 bracket



SW-E6010

NEW

SW-E6010
Switch

- **Attractive styling**
- **Ergonomic shape and intuitive operation**
- **Tactile click feel**



EW-SD50

EW-SD50
Electric Wire

- **Transmits interactive signals and power supply to each electronic components by "plug & gap" connection**
- **Compact and waterproof connector**
- **Easy to insert into frame**
- **Cable length 150 mm - 1600 mm**
- **With cable tie type for built-in cable routing (EW-SD50-I)**



DU-E6002

SYNCHRONIC

NEW

DU-E6002
Drive Unit for Coaster Brake

- **Easy to access**
  » Improved feature for "quick walk assist" function
- **New lighting system**
  » Brighter front and rear lighting system with a supplied 2 Amp fuse
- **Quick and easy assembly**
  » Connect directly with lighting system without using SM-DUE01
  » Reduce firmware update time down to 12 seconds
- **Compatibility**
  » Light off-road program compatible with internal geared hub system
  » MTB DI2 rear derailleur specification available



DU-E6012

SYNCHRONIC

NEW

DU-E6012
Drive Unit for Coaster Brake

- **Easy to access**
  » Improved feature for "quick walk assist" function
- **New lighting system**
  » Brighter front and rear lighting system with a supplied 2 Amp fuse
- **Quick and easy assembly**
  » Connect directly with lighting system without using SM-DUE01
  » Reduce firmware update time down to 12 seconds
- **Compatibility**
  » Light off-road program compatible with internal geared hub system
  » MTB DI2 rear derailleur specification available



SM-DUE11

NEW

SM-DUE11
Speed Sensor System

- **MTB-dedicated design**
  - » Robust and durable platform for rough trails
  - » More space for wider tires
- **More compatibility**
  - » Compatible with both the E8000 and E6000 series
  - » Compatible with CENTER LOCK disc brake FREEHUB of 10/9/8-speed and MTB 11-speed and CENTER LOCK disc brake for 11/8-speed internal geared hub
- **CENTER LOCK disc brake system**
  - » Compact, clean and low profile design
  - » Easy rear-wheel installation
- **Combination of E-BIKE specific disc brake rotor and magnet bracket**
  - » Magnet bracket NOT compatible with any current rotors
  - » E-BIKE disc brake rotor ONLY for rear wheel



RT-EM900

NEW

RT-EM900
Speed Sensor System

- **Size: S: 160 mm, M: 180 mm**



RT-EM800

NEW

RT-EM800
Speed Sensor System

- **Size: S: 160 mm, M: 180 mm**



SM-DUE10

SM-DUE10
Speed Sensor Unit

- **Cable length: 540 mm**



FC-E6010

NEW

FC-E6010
Crankset

- **New attractive design**
  - » Improved shoe to crank arm clearance
  - » Reduced price point
- **FC-E6010 with current SM-CRE60**
- **Crank arm length: 170 mm, 175 mm**
- **Color options: Black, Gray**



SM-CRE60

SM-CRE60
Chainring

- **Combine with FC-E6000**
- **Gear combination: 38T, 44T**
- **Rear speed options: 11-speed, 10/9-speed**
- **Color options: Black/Silver, Black/Gray**



CN-HG901-11

Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **HG-X11 special asymmetric plate design for 11-speed**
  - » Rear Drive
    Smooth driving without noise
  - » Front Drive
    Preserve chain security at cross chain line
  - » Front & Rear Shift
    Smooth and reliable shifting
- **Reinforced chain for E-BIKE use**
- **SIL-TEC on Plate/Roller**
- **Hollow pin**
- **Weight: 247g (114Link)**



CN-HG701-11

Super Narrow HG-X11 Chain (11-speed)

- **Smooth and reliable shifting performance**
  - » Directional 11-speed chain
  - » More efficient and silent, less maintenance
    - SIL-TEC surface treatment
  - » MTB, Road, E-BIKE 11-speed compatible
  - » Reinforced chain for E-BIKE use
    - New chain plate dimension
- **Weight: 257g (114Links)**



CN-HG601-11

Super Narrow SIL-TEC HG-X11 Chain (11-speed)

- **System engineered drivetrain component for optimal power transfer**
  - » Inner-plate treated with SHIMANO's ultra-low friction surface treatment "SIL-TEC" (inner plate)
  - » Same durability as current 10-speed chain
- **Reinforced chain for E-BIKE use**
- **Smooth and precise front and rear shifting**
- **Directional chain**
- **Weight: 257g (114Link)**



CN-E6090-10

Chain (10-speed)

CN-E6070-9

Chain (9-speed)

- **Reinforced against chain cut for E-BIKE use**
  - » New chain plate dimension
- **More efficient and silent, less maintenance by SHIMANO "SIL-TEC"(CN-E6090-10)**
- **Front single gear only**



BT-E6001
Battery for Rear Carrier

- **Capacity: 504Wh (36V, 14Ah)**
- **Durable battery**
- **Long life cycle**
  » Water proof
- **Compatible with current system**
  » Keep compatibility with current EC-E6000 and current carrier and current BT mount (BM-E6000/SM-BME60)
- **Longer riding distance (100km) on normal mode**
- **Battery life: *1000 cycles * After 1,000 cycles full charging still more than 300Wh=60% (Reference)**
- **Color options: Black, Gray**



BT-E6000
BM-E6000

BT-E6000
Battery for Rear Carrier

- **Capacity: 418Wh (36V, 11.6Ah)**
- **Charging time: 4hours**
- **Temperature: 0°C~+40°C (Charging)**
  -10°C~+50°C (Operating)
- **Battery life: *1000 cycles * After 1,000 cycles full charging still more than 250Wh=60% (Reference)**
- **Color options: Black, Gray**

BM-E6000-A/B
Battery Mount for Rear Carrier

- **Clean appearance**
- **More convenient**
  » Charge without removing battery
- **Color options: Black, Gray**



BT-E6010
BM-E6010

BT-E6010
Battery for Down Tube

- **Capacity: 418Wh (36V, 11.6Ah)**
- **Charging time: 4hours**
- **Temperature: 0°C~+40°C (Charging)**
  -10°C~+50°C (Operating)
- **Battery life: *1000 cycles * After 1,000 cycles full charging still more than 250Wh=60% (Reference)**
- **Color options: Black, Gray**

BM-E6010
Battery Mount for Down Tube

- **Clean appearance**
- **More convenient**
  » Charge without removing battery
- **Color options: Black, Gray**



EC-E6000

Adapter

EC-E6000
Battery Charger

- **Charge without removing battery**
- **Charge with battery directly by using adapter**
- **Fast charging time - charges to 80% of total capacity**
- **Small connector**

SHIMANO WHEELS

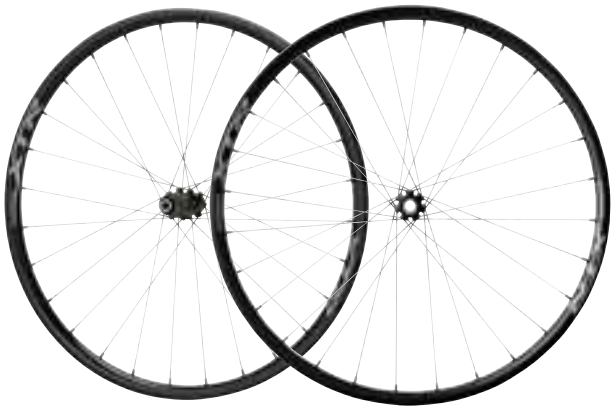
A JOURNEY TO PERFECTION

SHIMANO takes a holistic approach in the design and development of our wheels because we know the importance of not sacrificing fundamental features in the pursuit of refinement. Enhancement of one performance metric does not necessitate sacrificing another. Cutting-edge technologies are introduced by reflecting on not only the feedback from professional riders competing in some of the world's toughest races, but also the opinions of a variety of riders from around the world. Our deep history of creating innovative cycling components has taught us that real world wheel development is a win-win scenario.

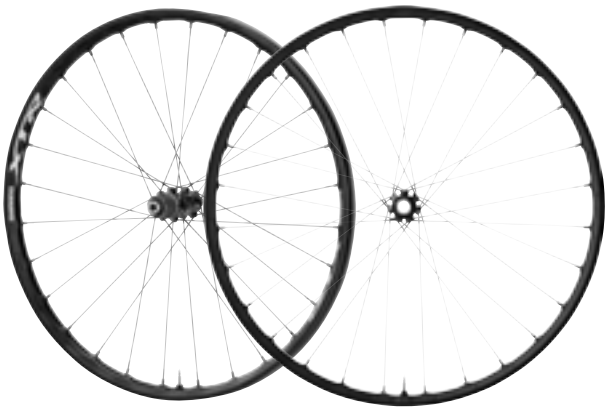
A truly great wheel is a sum of its parts. It should provide comfort and security without sacrificing performance; it should be lightweight without losing strength or durability. In other words, it should be a SHIMANO wheel.



MTB Wheels



WH-M9000-TU-R12 WH-M9000-TU-F15



WH-M9000-TL-R12 WH-M9000-TL-F15

SHIMANO XTR

CARBON TUBULAR | 29″

WH-M9000

Ultra-light racing tubular wheels engineered for speed

CARBON LAMINATED TUBELESS | 29″ | 27.5″

WH-M9000

XC wheels engineered for speed and toughness

- **150 g lighter weight rim for maximum acceleration compared to carbon laminated tubeless rim vs.M9000-TL-29 (WH-M9000-TU-29)**
- **Front 28, Rear 28 butted spokes**
- **Super lightweight rim, with same durability as aluminum (WH-M9000-TL)**
- **Lightweight bearing and axle system**
  » 33 g lighter aluminum rear 12 mm axle (vs. M988)

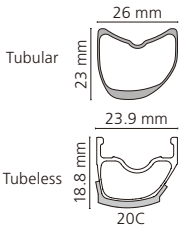
WH-M9000-TL



Lock Ring
WH-M9000



Quick Release
WH-M9000-R-29



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M9000-TU				
WH-M9000-TL				

MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9000-TU-F15-29	Tubular	Front	15 mm E-THRU	29″	Carbon	-	100 mm	606 g
WH-M9000-TU-R12-29	Tubular	Rear	12 mm E-THRU	29″	Carbon	MTB 11-speed	142 mm	739 g
WH-M9000-TU-R-29	Tubular	Rear	Quick Release	29″	Carbon	MTB 11-speed	135 mm	742 g
WH-M9000-TL-F15-29	Tubeless	Front	15 mm E-THRU	29″	Carbon/Aluminum	-	100 mm	761 g
WH-M9000-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29″	Carbon/Aluminum	MTB 11-speed	142 mm	894 g
WH-M9000-TL-R-29	Tubeless	Rear	Quick Release	29″	Carbon/Aluminum	MTB 11-speed	135 mm	894 g
WH-M9000-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5″	Carbon/Aluminum	-	100 mm	724 g
WH-M9000-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5″	Carbon/Aluminum	MTB 11-speed	142 mm	857 g
WH-M9000-TL-R-275	Tubeless	Rear	Quick Release	27.5″	Carbon/Aluminum	MTB 11-speed	135 mm	857 g

High rigidity performance by E-THRU stiff axle system

12mm rear E-THRU axle I-type

(O.L.D. 142mm)		(O.L.D. 148mm)	
SM-AX78	77g	**SM-AX78-B**	78g
SM-AX58	81g	**SM-AX58-B**	82g



SM-AX78

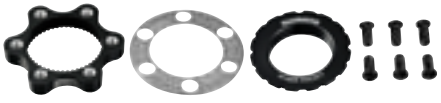
12mm rear E-THRU axle

(O.L.D. 142mm)		(O.L.D. 148mm)	
SM-AX76	69g	**SM-AX76-B**	71g
SM-AX56	75g	**SM-AX56-B**	77g



SM-AX76

Disc brake rotor adaptor



SM-RTAD05

» Use these adaptors to attach the 6-Bolt mount type rotor to CENTER LOCK mount type hub
» Can not be used with the 6-bolt rotor that is installed with an aluminum adapter (SM-RT86 / 76)
» Weight: 60.1g

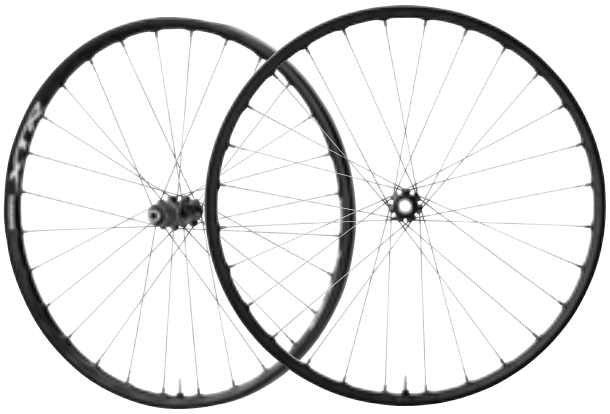
SHIMANO XTR

CARBON LAMINATED TUBELESS | 29" | 27.5"

WH-M9020

Trail wheels engineered for aggressive riding

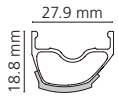
- **Carbon laminated aluminum tubeless**
  - » Super lightweight rim, with same durability as aluminum
  - » Front 28, Rear 28 butted spokes
- **Lightweight bearing and axle system**
  - » 33 g lighter aluminum rear 12 mm axle (vs. M988)



WH-M9020-TL-R12 WH-M9020-TL-F15



Lock Ring
WH-M9020



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M9020-TL				

MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9020-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Carbon/Aluminum	-	100 mm	777 g
WH-M9020-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Carbon/Aluminum	MTB 11-speed	142 mm	910 g
WH-M9020-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Carbon/Aluminum	-	100 mm	750 g
WH-M9020-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Carbon/Aluminum	MTB 11-speed	142 mm	880 g

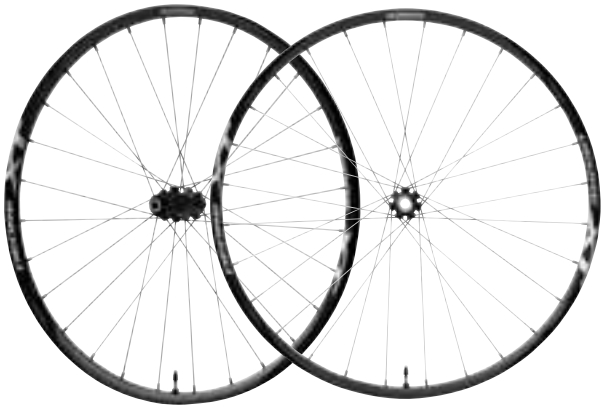
SHIMANO DEORE XT

TUBELESS | 29" | 27.5"

WH-M8000

XC wheels engineered for toughness, lightweight, reliability and all-out speed

- **Faster acceleration and smoother rotation**
- **40 g lighter weight 20C OFFSET RIM**
- **Front: QR & E-THRU**
- **Rear: QR & E-THRU**
- **High rigidity and durability**
- **28 pc butted spokes (front/rear)**
- **OFFSET RIM design with better spoke tension balance for durable wheel construction**
- **New O.L.D. for increased wheel rigidity and greater clearance between crank set and frame/tire**
  - 10 mm wider, 110 x 15 front E-THRU
  - 6 mm wider, 148 x 12 rear E-THRU

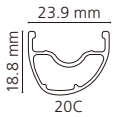




Lock Ring
WH-M8000-TL-F15



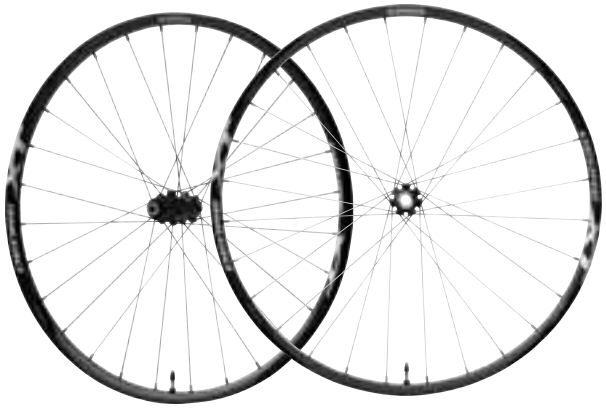
Quick Release
WH-M8000-TL-F-275/ F-29/R-275/R-29



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M8000-TL				

	MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
	WH-M8000-TL-F-29	Tubeless	Front	Quick Release	29"	Aluminum	-	100 mm	839 g
	WH-M8000-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	796 g
NEW	WH-M8000-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	843 g
	WH-M8000-TL-R-29	Tubeless	Rear	Quick Release	29"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,017 g
	WH-M8000-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,041 g
NEW	WH-M8000-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,049 g
	WH-M8000-TL-F-275	Tubeless	Front	Quick Release	27.5"	Aluminum	-	100 mm	809 g
	WH-M8000-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	766 g
NEW	WH-M8000-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	814 g
	WH-M8000-TL-R-275	Tubeless	Rear	Quick Release	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	986 g
	WH-M8000-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,010 g
NEW	WH-M8000-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,020 g

MTB Wheels



SHIMANO DEORE XT

TUBELESS | 29″ | 27.5″

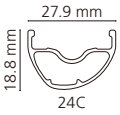
WH-M8020

Ride confidently

- **Increased tire rigidity for improved traction**
- **24C wide-profile OFFSET RIM**
- **Front: E-THRU**
- **Rear: E-THRU**
- **28 pc butted spokes (front/rear)**
- **OFFSET RIM design with better spoke tension balance for durable wheel construction**
- **New O.L.D. for increased wheel rigidity and greater clearance between crank set and frame/tire**
  - 10 mm wider, 110 x 15 front E-THRU
  - 6 mm wider, 148 x 12 rear E-THRU



Lock Ring
WH-M8020-TL-F15



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-M8020				

	MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
	WH-M8020-TL-F15-29	Tubeless	Front	15 mm E-THRU	29″	Aluminum	-	100 mm	836 g
NEW	WH-M8020-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29″	Aluminum	-	110 mm	881 g
	WH-M8020-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29″	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,081 g
NEW	WH-M8020-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29″	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,088 g
	WH-M8020-TL-F15-275	Tubeless	Front	15 mm E-THRU	27.5″	Aluminum	-	100 mm	802 g
NEW	WH-M8020-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5″	Aluminum	-	110 mm	847 g
	WH-M8020-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5″	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,046 g
NEW	WH-M8020-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5″	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,053 g



CLINCHER | 29″ | 27.5″ | 26″

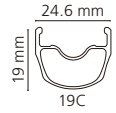
WH-MT35

Well balanced, durable, strong

- **24.6 mm wide rim profile (19C)**
- **Front 24, Rear 28 spokes lacing with alloy nipples**
- **Front 15 mm E-THRU axle option available**
- **Angular Contact Cup & Cone Bearings with labyrinth & contact high quality sealing**
- **CENTER LOCK is a quick, simple, lightweight and effective rotor mounting system**



Quick Release
WH-MT35-F/F-275/F29/
R/R-275/R-29



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-MT35				

MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT35-F-29	Clincher	Front	Quick Release	29″	Aluminum	-	100 mm	908 g
WH-MT35-F15-29	Clincher	Front	15 mm E-THRU	29″	Aluminum	-	100 mm	902 g
WH-MT35-R-29	Clincher	Rear	Quick Release	29″	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,148 g
WH-MT35-F-275	Clincher	Front	Quick Release	27.5″	Aluminum	-	100 mm	874 g
WH-MT35-F15-275	Clincher	Front	15 mm E-THRU	27.5″	Aluminum	-	100 mm	889 g
WH-MT35-R-275	Clincher	Rear	Quick Release	27.5″	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,091 g
WH-MT35-F	Clincher	Front	Quick Release	26″	Aluminum	-	100 mm	839 g
WH-MT35-F15	Clincher	Front	15 mm E-THRU	26″	Aluminum	-	100 mm	834 g
WH-MT35-R	Clincher	Rear	Quick Release	26″	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,076 g



	XC RACE	CROSS COUNTRY	TRAIL	ALL MOUNTAIN
WH-MT15				



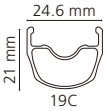
Quick Release
WH-MT15-F-275/
F29/R-275/R-29

CLINCHER | 29" | 27.5"

WH-MT15

Quality, durable off-road wheels

- **24.6 mm wide rim profile (19C)**
- **Precision hand built assembly**
- **Front 28, Rear 28 spokes lacing with brass nipples**
- **27.5 inch wheel spec available**
- **Angular Contact Cup & Cone Bearings with labyrinth & contact high quality sealing**
- **CENTER LOCK is a quick, simple, lightweight and effective rotor mounting system**
- **Front 15 mm E-THRU axle option available**



MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT15-A-F-29	Clincher	Front	Quick Release	29"	Aluminum	-	100 mm	1,036 g
WH-MT15-A-F15-29	Clincher	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	1,031 g
WH-MT15-A-R-29	Clincher	Rear	Quick Release	29"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,246 g
WH-MT15-A-F-275	Clincher	Front	Quick Release	27.5"	Aluminum	-	100 mm	1,002 g/ Black
WH-MT15-A-F15-275	Clincher	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	995 g/ Black
WH-MT15-A-R-275	Clincher	Rear	Quick Release	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,204 g/ Black

Road Wheels



WH-R9100-C60-TU WH-R9100-C60-CL



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C60						

DURA-ACE

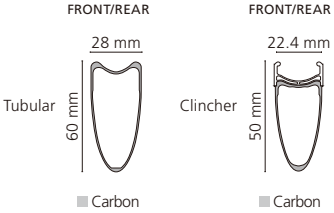
CARBON TUBULAR

CARBON COMPOSITE CLINCHER

WH-R9100-C60

Relentless tri & road tace performance

- **For the performance driven triathlete and road racer**
- **Balanced low inertia & aerodynamics**
- **Aerodynamic performance**
  » D2 Rim
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Ultra-light full carbon rim (WH-R9100-C60-TU)
- **Easy maintenance**
  » Digital cone bearing adjustment system



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C60-TU	Tubular	Quick Release	Carbon	11/10-speed	130 mm	666 g	830 g
WH-R9100-C60-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	832 g	1,019 g

Road Wheels

DURA-ACE

CARBON TUBULAR (E-THRU)

CARBON TUBELESS (E-THRU)

WH-R9170-C60

Pro race performance, all-weather confidence

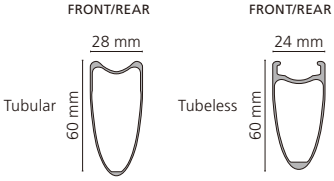
- **For the performance driven triathlete and road racer**
- **Balanced low inertia & aerodynamics**
- **Aerodynamic performance**
  » D2 rim
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Road E-THRU 12 mm
  » Ultra-light full carbon rim
- **Disc brake system**
  » CENTER LOCK



WH-R9170-C60-TU WH-R9170-C60-TL

TU TL D2 OPTBAL Ti-E

CENTER LOCK



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9170-C60						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9170-C60-TU	Tubular	12 mm E-THRU	Carbon	11/10-speed	142 mm	671 g	829 g
WH-R9170-C60-TL	Tubeless	12 mm E-THRU	Carbon	11/10-speed	142 mm	745 g	902 g

DURA-ACE

CARBON TUBULAR

CARBON LAMINATED CLINCHER

WH-R9100-C40

Pro-tour's race pick

- **Best all-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Ultra-light full carbon rim (WH-R9100-C40-TU)
- **Easy maintenance**
  » Digital cone bearing adjustment system



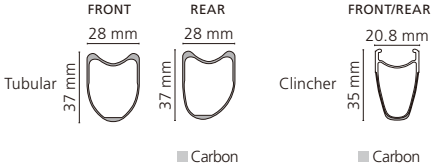
WH-R9100-C40-TU WH-R9100-C40-CL

TU CL OFFSET RIM OPTBAL CARBON LAMINATION

WH-R9100-C40-CL

Ti-E





	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C40						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C40-TU	Tubular	Quick Release	Carbon	11/10-speed	130 mm	637 g	747 g
WH-R9100-C40-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	674 g	834 g

DURA-ACE

CARBON TUBULAR (E-THRU)

CARBON TUBELESS (E-THRU)

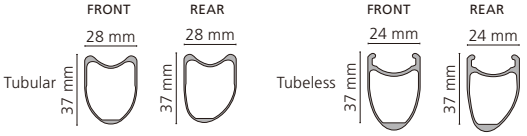
WH-R9170-C40

Pro-tour confidence and performance

- **Best all-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Improved drive rigidity**
  » OPTBAL spoke system
- **Lightweight within rigid**
  » Road E-THRU 12 mm
  » Ultra-light full carbon rim
- **Disc brake system**
  » CENTER LOCK



WH-R9170-C40-TU WH-R9170-C40-TL



Carbon Carbon

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9170-C40						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9170-C40-TU	Tubular	12 mm E-THRU	Carbon	11/10-speed	142 mm	626 g	774 g
WH-R9170-C40-TL	Tubeless	12 mm E-THRU	Carbon	11/10-speed	142 mm	721 g	865 g

DURA-ACE

CARBON LAMINATED CLINCHER

WH-R9100-C24

Feel the rush of an ultra-light clincher

- **Lightweight wheelset**
- **Improved drive rigidity**
  » Wide flange hub and OFFSET RIM for high rigidity and power transmission
- **Lightweight within rigid**
  » Carbon laminate rim
- **Efficient drivetrain**
  » Lightweight Titanium FREEHUB body
- **Easy maintenance**
  » Digital cone bearing adjustment system





Carbon

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R9100-C24						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9100-C24-CL	Clincher	Quick Release	Carbon/Aluminum	11/10-speed	130 mm	618 g	835 g

SM-AX720-100x12

12mm E-THRU axle,100mm O.L.D.

SM-AX720-142x12

12mm E-THRU axle,142mm O.L.D.

- **Simple and clean appearance**
  » 12mm E-THRU axle
- **Easy set up**
  » Lever position adjustable
  - Integrated adjusting system
- **Stable fixing power**
  » Cam lever fixing system

Road Wheels



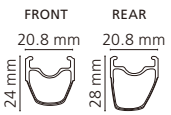
ROAD TUBELESS

NEW

WH-RS700-C30

The versatile choice for rolling hills

- **Efficient acceleration**
  - » High drive rigidity
    - Front 24 mm and Rear 28 mm rim height
    - OPTBAL
- **Lightweight and rigid**
  - New layer-up tubeless carbon laminate rim
- **Smooth surface**
  - » New layer-up tubeless carbon laminate rim





ROAD CLINCHER

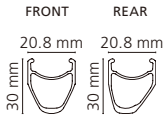
WH-RS330

Comfort and performance for everyday riding

- **Optimal balance between rigidity, durability and lightweight**
- **Improved drive rigidity**
  » OPTBAL spoke system
- **SHIMANO manufactured 30 mm profile rims and spokes**
- **Black, White**







	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS330						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS330-CL	Clincher	Quick Release	Aluminum	11/10-speed	130 mm	875 g	1,176 g



Silver Black

ROAD CLINCHER

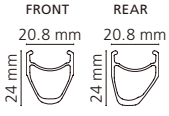
WH-RS11

Acceleration concept cincher wheel

- **Everyday, dependable 11-speed compatible wheels**
- **Improved drive rigidity**
  » Wide flange hub and OFFSET RIM for high rigidity and power transmission
- **Black, Silver, White**







	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS11						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS11-CL	Clincher	Quick Release	Aluminum	11/10-speed	130 mm	816 g	1,087 g

Road Wheels

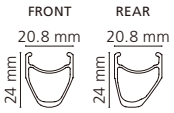


ROAD CLINCHER

WH-RS010

Acceleration concept cincher wheel

- **Everyday, dependable 11-speed compatible wheels**
- **Improved drive rigidity**
  - » Wide flange hub and OFFSET RIM for high rigidity and power transmission



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS010						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS010-CL	Clincher	Quick Release	Aluminum	11/10-speed	130 mm	818 g	1,102 g



WH-R501-A WH-R501

ROAD CLINCHER

WH-R501

Durable and dependable SHIMANO quality wheels

- **20 radial front and 24 cross laced rear spokes**
- **10/9/8-speed compatible**
- **Aero bladed spokes featured (R501-A)**
- **Round spokes (R501)**
- **Black, Silver**

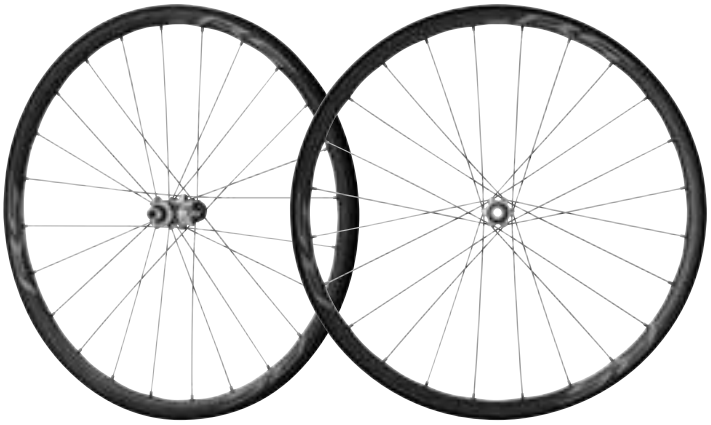


	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-R501-A						
WH-R501						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R501-A-CL	Clincher	Quick Release	Aluminum	10/9/8-speed	130 mm	820 g	1,069 g
WH-R501-CL	Clincher	Quick Release	Aluminum	10/9/8-speed	130 mm	820 g	1,069 g

Wheels for disc brake

ROAD TUBELESS FOR DISC BRAKE



NEW

WH-RS770

Acceleration concept tubeless wheel

- **Efficient acceleration**
  - » High drive rigidity
    - OPTBAL
- **Lightweight and durable**
  - » Carbon laminate rim
  - » Road tubeless
- **Stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - » Simple handling and workability
    - CENTER LOCK mount

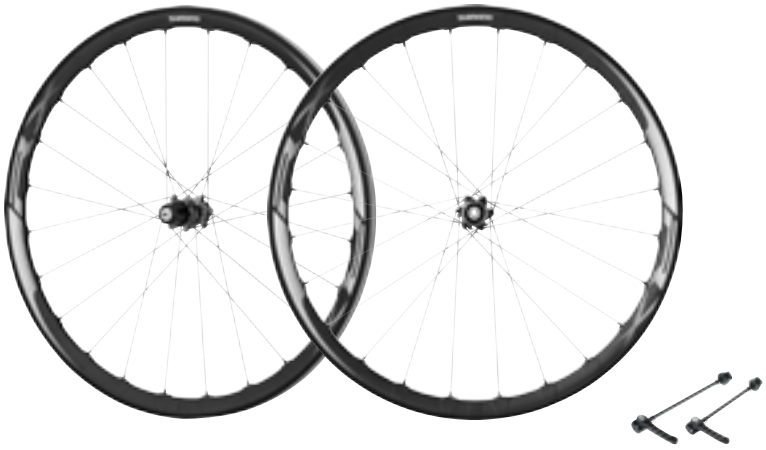
FRONT/REAR



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS770						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS770-TL	Tubeless	12 mm E-THRU	Carbon/Aluminum	11/10-speed	142 mm	-	-

ROAD TUBELESS FOR DISC BRAKE



WH-RX830

Acceleration concept tubeless wheel

- **All-round wheelset**
- **Balanced low inertia & aerodynamics**
- **Responsive acceleration**
- **Lightweight within rigid**
  - » Carbon laminated construction
  - » Road E-THRU 12 mm
- **Easy maintenance**
  - » Digital cone bearing adjustment system
- **Disc brake system**
  - » CENTER LOCK

FRONT/REAR

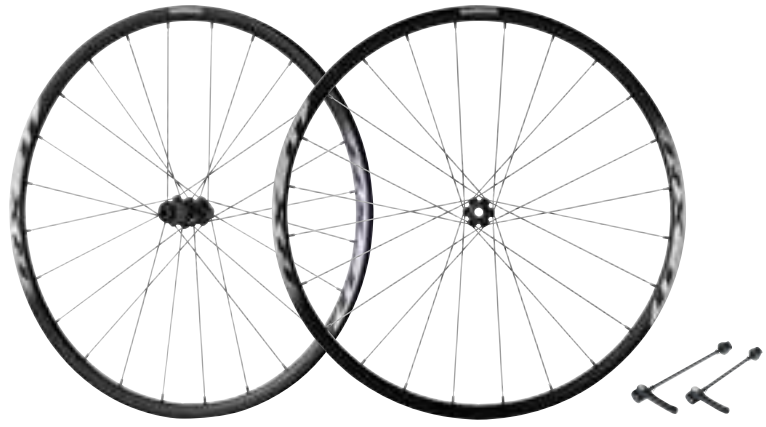


Carbon

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX830						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX830-TL	Tubeless	Quick Release	Carbon/Aluminum	11/10-speed	135 mm	829 g	993 g

ROAD CLINCHER FOR DISC BRAKE



WH-RX31

Durability, reliability and style. Ride in any weather conditions

- **Ride in any weather condition**
  - » 140 mm rotor compatible
  - » Double butted bladed spokes
  - » Applicable tire size: 25C-38C
  - » Rigid & stout rim of 23 mm width x 24 mm height profile
- **Disc brake system**
  - » CENTER LOCK



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX31						

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX31-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	899 g	1,093 g
WH-RX31-CL-F12 WH-RX31-CL-R12	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	873 g	1,072 g

Wheels for disc brake



Black White

	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RS170						

ROAD CLINCHER FOR DISC BRAKE

NEW

WH-RS170

Durability, reliability and style. Ride in any weather conditions

- **Stability**
  - » Higher rigidity
    - Road E-THRU axle
- **Easy maintenance and installation**
  - » Simple handling and workability
    - CENTER LOCK mount
- **Color options: Black, White**

FRONT/REAR
Rim height: 24 mm
Rim width: 23 mm

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS170	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	-	-



	TIME TRIAL	TRIATHLON	ROAD RACE	GRANFONDO	TRAINING	CYCLING
WH-RX010						

ROAD CLINCHER FOR DISC BRAKE

WH-RX010

Confident handling in any weather

- **Ride in any weather condition**
  - » Compatible with 11/10-speed cassette sprockets
  - » 100 mm x 135 mm O.L.D.
  - » 140 mm disc brake rotor compatible
  - » Rigid & stout rim 23 mm width x 24 mm height
- **Disc brake system**
  - » CENTER LOCK



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RX010-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	982 g	1,177 g



METREA

ROAD CLINCHER FOR DISC BRAKE

WH-U5000

The essence of urban sport

- **Enjoy cruising in style**
  - » 40 mm height rim
- **Easy set up**
  - » Both quick release lever type & E-THRU axle type available
- **Disc brake system**
  - » CENTER LOCK

FRONT/REAR



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-U5000-CL	Clincher	Quick Release	Aluminum	11/10-speed	135 mm	1,093 g	1,287 g
WH-U5000-CL-F12 WH-U5000-CL-R12	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	-	-

SHIMANO ORIGINAL TECHNOLOGY

Brake system

CENTER LOCK 224
Coaster Brake 224
Dual-Pivot Caliper 224
Four Piston 225
Free Stroke 225
ICE TECHNOLOGIES 226
SHIMANO M SYSTEM 227
MONO-BODY 227
NEW SUPER SLR 227
ONE WAY BLEEDING 227
POWER MODULATOR 228
POWER MODULATOR Unit 228
Reach Adjust 228
Road Disc Brake 229
Roller Brake 229
SERVOWAVE ACTION 229
SLR-EV 230
Toe-in Adjust 230

Drivetrain

2-PIECE CRANKSET 230
DYNA-SYS 231
DYNA-SYS II 232
Dynamic Chain Engagement 233
HOLLOWGLIDE 233
HOLLOWTECH 233
HOLLOWTECH II 234
Internal Grease Sleeve 235
Labyrinth & Contact Sealing 235
MEGA DRIVE TRAIN 235
MEGA LITE 235
OCTALINK 236
Press-Fit Bottom Bracket 236
QUICK-LINK 236
SIL-TEC 236
SMCD Shimano Modular Chain Device 237

Information system

D-FLY 237
tube 237

Pedal system

4mm Longer Axle 238
SHIMANO CLICK'R 238
SPD 239
SPD SL 239

Shifting system

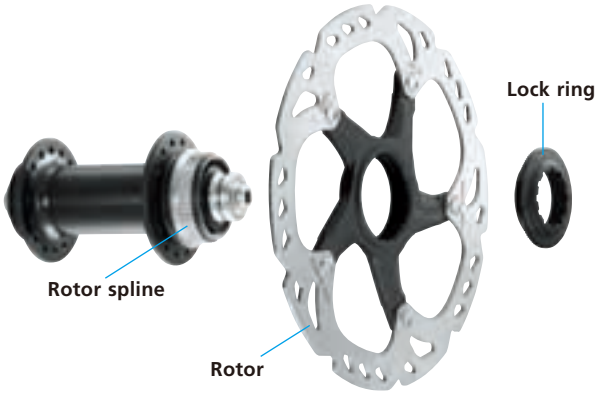
2-WAY RELEASE 240
Bump Stopper 240
Direct Mount Rear Derailleur 240
Double Servo 240
DCL 241
SIS 241
DUAL SIS INDEX 241
SIS 241
SIS INDEX 241
EZ FIRE PLUS 241
FIREBOLT 241
Gear Change Support 241
HG HYPERGLIDE 242
HG-EV 242
HG-X 242
HG-X11 242
HYPERDRIVE 243
I-SPEC 243
I-spec II 243
INSTANT RELEASE 243
INTER M 243
INTER 8 244
MEGARANGE 244
MULTI RELEASE 244
OPTICAL GEAR DISPLAY 244
OPTISLICK 244
OT-SP41 245
Polymer Coated Cable 245
RAPIDFIRE PLUS 246
REVOSHIFT Shifter 246
SIS 246
SHIMANO SHADOW RD 247
SHIMANO SHADOW RD+ 247
SHIMANO SYNCHRONIZED SHIFT 247
SIDE SWING Front Derailleur 247
SMART CAGE 248
TAP FIRE Plus 248
Top Normal 248
TOP SWING Front Derailleur 249
Wheel-Type Pulley 249
Wide Link 249

Wheel system

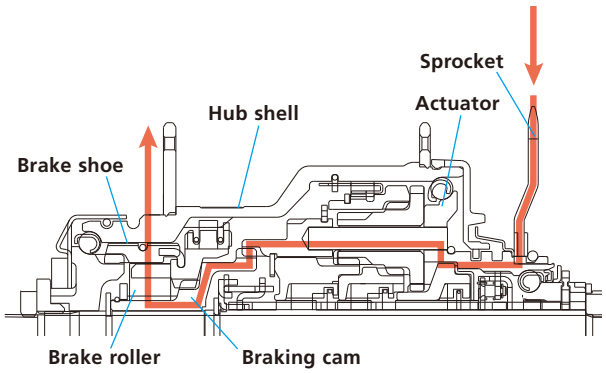
Cup & Cone Bearing 249
D2 250
Digital Cone Bearing Adjustment System 250
E-THRU Axle 250
Wide Flange 251
OPTBAL 251
Quick Engagement 251

CENTER LOCK System

The CENTER LOCK system makes an easy rotor installation possible with spline mount and a lock ring. The lock ring mounting system reduces the total working hours by shortening the amount of time of both installation and de-installation. In addition, the secure fixing by the spline mount enhances precision and rigidity while improving braking efficiency.



Equal braking force in each gear

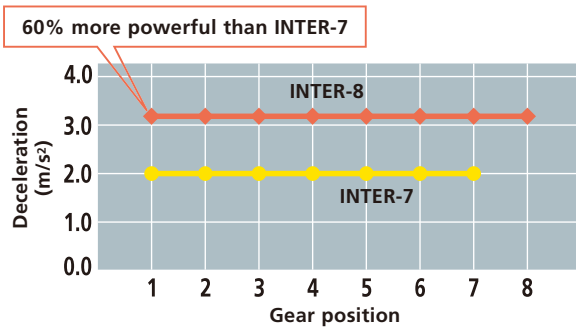


Coaster Brake

The NEXUS coaster brake is operated by pedaling backward in a similar way as ordinary types. Its uniqueness is that braking power transmitted to the wheel directly for the NEXUS internal coaster brake is independent of the gear shifting mechanism built into the hub.
Also it always generates the same braking force regardless of gear position to actualize comfortable and reliable riding. For INTER-7/INTER-3, it actualizes the braking force to meet the DIN standard.
In particular, the INTER-8C is 60% more powerful than the INTER-7C.
Equipped: NEXUS INTER-8/NEXUS INTER-7/NEXUS INTER-3

CEN standard approved by SMP (Svensk Maskinprovning AB)

Powerful braking force regardless of gear position



Dual-Pivot Caliper

The dual-pivot design realized a lightweight, compact and durable braking system. Dual-pivot caliper brake have made considerable progress in reduction of tolerance and deflection as well as in durability. They have achieved firm and instantaneous braking response while assuring longer service life. Moreover, the brake pads have an improved durability of 100% to help enjoy high-response braking over longer periods.



Four Piston



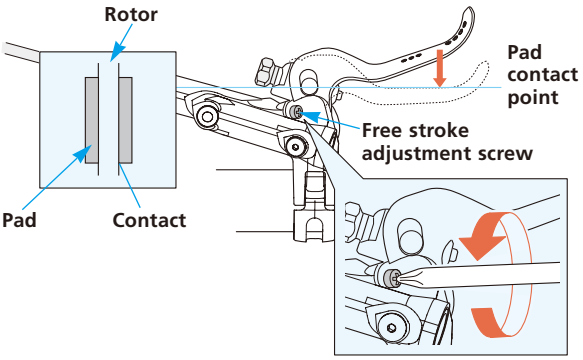
Disc brake system with the dual diameter opposed-piston caliper design has differently sized pistons in front and in the rear. The system adopts a power transfer system in which the rotor is pressed by the smaller sized piston at the entrance of the rotor intake and also by the more powerful larger sized piston at the back. This prevents the wobbling motion of the rotor and reduces noises significantly.
The 4-piston caliper also allows a wider contact area for the disc brake rotor while keeping the size compact, and the efficient location of pads is adjusted as necessary to stabilize the pressure. In combination use with the SERVOWAVE lever it provides an incredible 50% more stopping power than the previous model. The advanced SAINT/ZEE disc brake system, which adjusts to accommodate the different braking styles of different riders, offers stable braking power and excellent modulation.

Equipped: SAINT/ZEE

Free Stroke

The distance from initial lever position to pad contact point can be adjusted to suit any hand size, type of riding and individual rider preferences.

Equipped: XTR/SAINT/DEORE XT



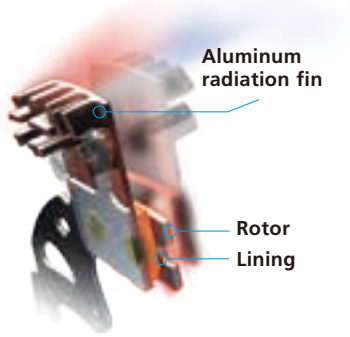
ICE TECHNOLOGIES

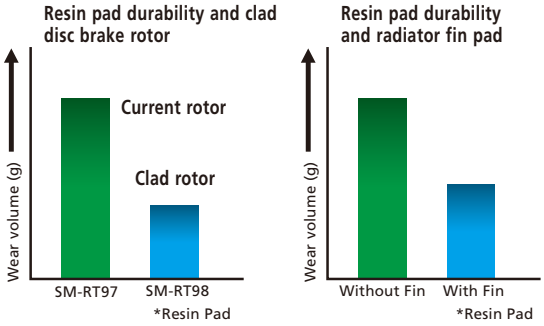
The fade, which can occur to disc brake rotor and pad when braking on a long downhill ride for instance, has a negative impact on the braking performance. SHIMANO has adopted ICE TECHNOLOGIES disc brake rotor and ICE TECHNOLOGIES pad to realize the cooling technology for consistent performance. The clad disc brake rotor blade, which has a 3 layer-sandwich structure of stainless steel, aluminum and stainless steel, provides better radiation performance achieving from 400˚C to 300˚C surface temperature. Also, the radiation fin has been adopted for the pad. Moreover, the clad disc brake rotor blade and the radiator fin provide long pad life, less noise, less fade and lightweight.

Equipped: XTR/SAINT/DEORE XT/SLX/DEORE/ZEE/ALFINE/ DURA-ACE/ULTEGRA

ICE TECHNOLOGY Pad

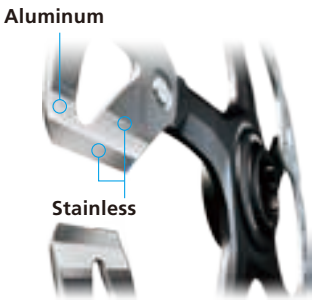
Available in resin or metal compound, the optional radiation fin pad with a 2-layer back plate (aluminum fin with stainless steel) further improves radiation performance.



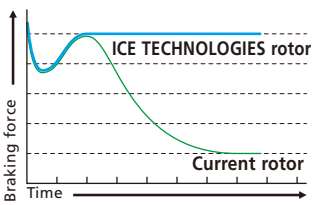


ICE TECHNOLOGY Rotor

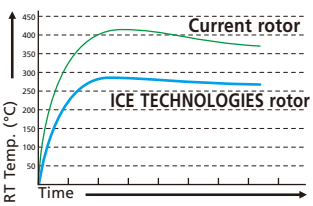
Clad rotors as well as clad brake pads significantly reduce heat build-up in the brake system.
This in turn reduces fading, which ensures consistent high performance even on long downhill stretches, It also results in a longer pad life and substantially quieter braking.



About braking force and brake fade



Radiation effects of clad disc brake rotor

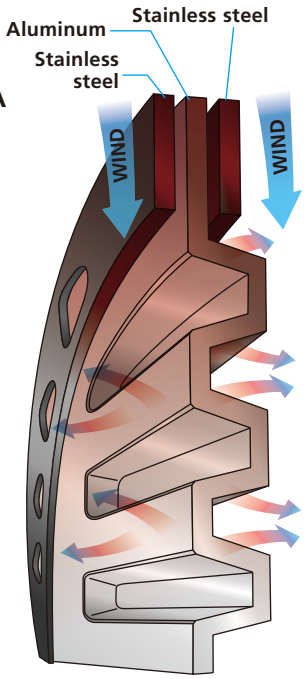


ICE TECHNOLOGIES FREEZA

Ultimate ICE TECHNOLOGIES FREEZA disc brake rotor

SHIMANO's ICE TECHNOLOGIES has realized the ultimate clad rotor, incorporating aluminum fins for enhanced heat control. With an increased surface area for heat dispersion, the rotor achieves a 50°C reduction in heat. This in turn generates a 20% increase in braking force durability and a 20% longer pad life.

Equipped: SM-RT99/ SM-RT900/ SM-RT800



ICE TECHNOLOGY Hose

SM-BH90-SBLS long banjo hose reduces heat at a critical location where heat transmitted from caliper to hose



ICE TECHNOLOGY Piston

ICE TECHNOLOGIES piston in order to achieve optimized lightweight, high rigidity and heat dissipation.
Oversized pistons transfer hydraulic power directly to the brake pad, and ceramic material is used to avoid heat transfer for constant stable braking, providing efficient stopping power transfer without loss.



SHIMANO M SYSTEM

This brake system maintains its strong braking power and controllability even in wet environments. The M shoe that performs well in wet conditions is adopted.

MONO-BODY

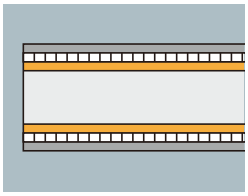
SHIMANO's MONO-BODY caliper is machined from a single cold forged block in order to maximize stiffness. A perfect balance of stiffness and weight, the MONO-BODY caliper is a component of our linear response hydraulic disc brake system. Linear response equals strong power and superb controllability.

Equipped: BR-M9020



NEW SUPER SLR

SLR stands for SHIMANO Linear Response. The NEW SUPER SLR design makes use of a friction-reducing mechanism in the caliper, lever and cable that improve response and modulation.
Also for the lever, the SERVOWAVE mechanism is adopted to provide quick contact of shoe to rim and longer stroke from the initial braking effect for better control.
SLR is the essential factor in the SHIMANO dual-pivot caliper that deliver more braking power than conventional side-pulls.



Outer casing with liner



BR-4700

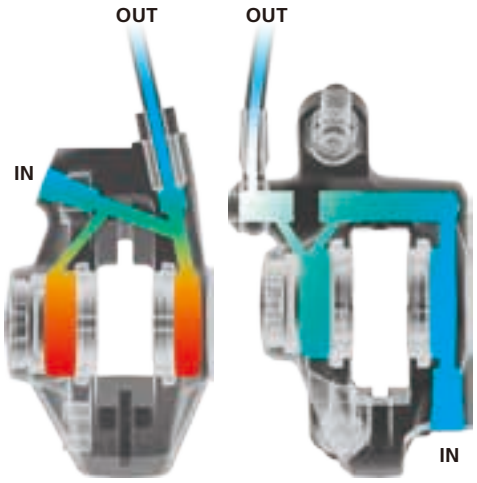


ST-4700

SLR system realizes the reduction of friction in the caliper, lever and cable.

ONE WAY BLEEDING

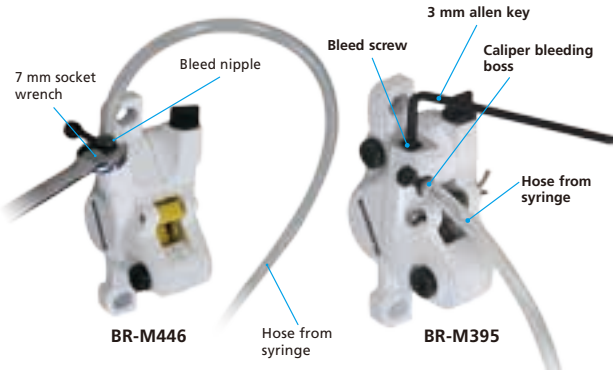
"ONE WAY BLEEDING" was developed for quick and easy prevention of air in our hydraulic system. We have streamlined the oil route throughout the system to prevent air bubbles from being captured in the system.
One way oil routing plus a funnel tool with mineral oil provides an easy and clean bleeding system.



The other system **ONE WAY BLEEDING**

BR-M395 easy set up and adjustment

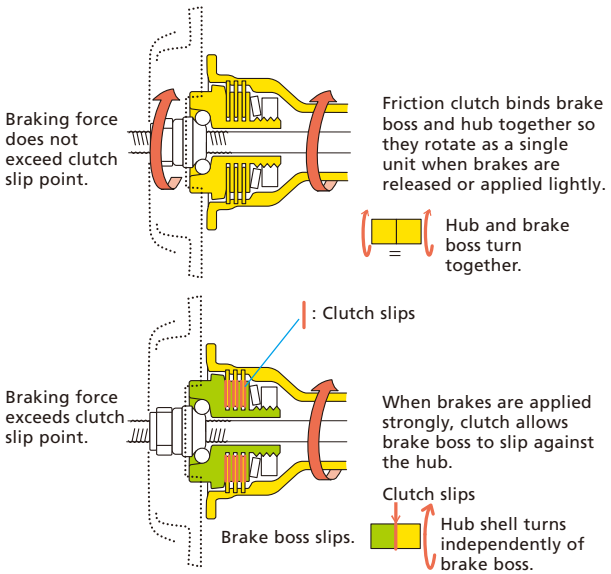
- Quick, easy assembly and maintenance
- One way and funnel bleeding
- Bleeding nipple position changed for ease of maintenance



POWER MODULATOR

As for the front roller brake, the braking POWER MODULATOR system is built in the hub side to ease sudden lever power input for easy and stable braking control. The braking system is especially user-friendly for beginners.

Equipped: Front Roller Brake



POWER MODULATOR Unit

The POWER MODULATOR unit is more effective and easy-to-control braking for casual and recreational cyclists.

*** SM-PM40:For V-BRAKE (MTB use)**
SM-PM50:For mechanical disc brake (city use)
SM-PM60:For V-BRAKE (city use)
SM-PM70:For V-BRAKE (trekking use)



SM-PM40



SM-PM50



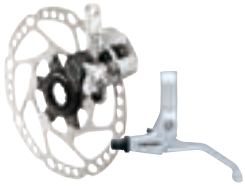
SM-PM60



SM-PM70

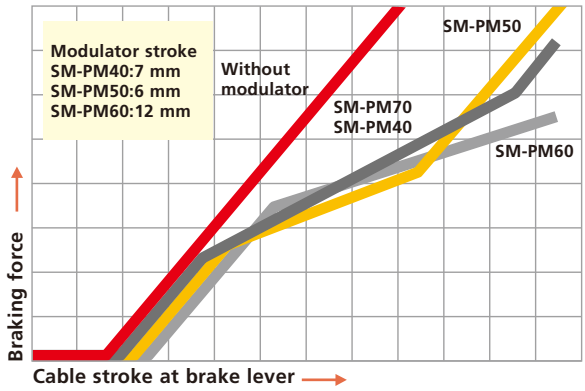


V-BRAKE



Mechanical disc brake

Braking Performance Comparison

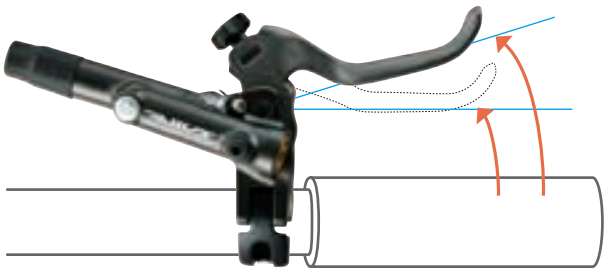


⚠ CAUTION

- The POWER MODULATOR is a device that makes it easier to control braking by increasing the cable stroke at the brake lever within a certain constant range of braking force. If the effective operating range of the POWER MODULATOR is exceeded, the lever stroke and the brake will operate as a normal disc brake (sensitively and powerfully). In that case, the brakes may operate more powerfully than intended and may cause the wheel to lock up. Therefore it is essential that you fully understand and test the performance of the POWER MODULATOR before use.
  The POWER MODULATOR is not equipped with a function to prevent the wheel from locking up.

Reach Adjust

Brake lever is equipped with a reach adjust mechanism. The distance from handlebar grip to lever can be adjusted to suit any hand size, type of riding and individual rider preferences.

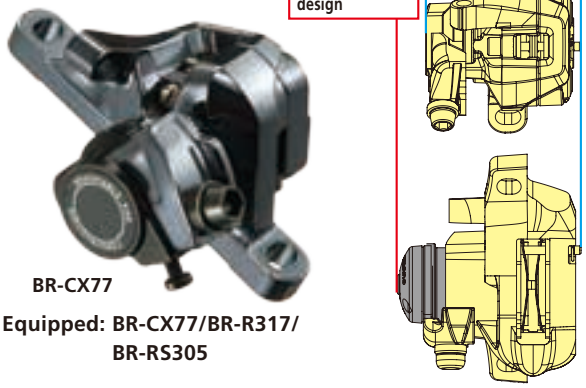


Road Disc Brake

A wide variety of styles must be available for road sports bikes to meet diverse requests from riders. The disc brake system for roads is surely one of the feature items to meet their expectations.

14% low profile design

Compact looking
14% low profile design saves the mechanical disc brake from damage (vs. R505)



BR-CX77

Equipped: BR-CX77/BR-R317/ BR-RS305

Roller Brake

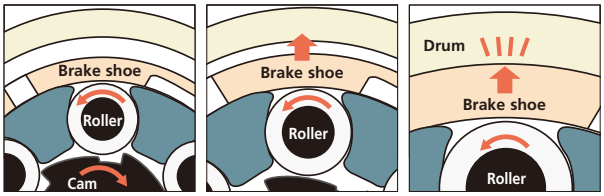
SHIMANO multi-condition roller brake use a precision cam-and-roller design that delivers strong yet easily controllable braking power. Large disc-type radial cooling fins keep temperatures down, eliminate fade, and extend service life of the lubricant. Sealing channels keep out dirt and water to assure safe and dependable braking performance in wet or dry conditions.

Equipped: NEXUS/TOURNEY

Multi-Purpose Roller Brake

With the adoption of a V-shaped brake shoe and larger cooling fins, the braking force is closer to that of a mechanical disc brake. The V-shaped brake shoes increase braking power while the large fin raises heat dissipation efficiency that allows it to brake longer and harder without fading. These upgrades make the roller brake more suitable for a wider variety of bicycles.

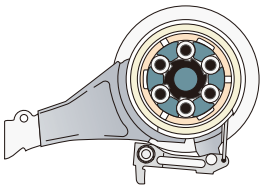
Equipped: BR-C6000/C3010/C3000



Cam and roller rotate when brake is applied.

Brake shoe moves up to drum while roller is rotating.

Brake shoe contacts drum to begin braking.

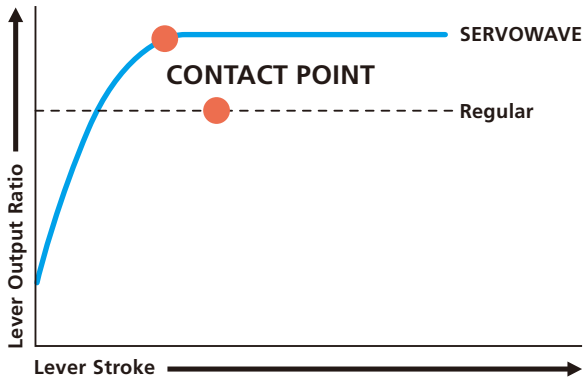


SERVOWAVE ACTION

When you pull a SERVOWAVE brake lever, initial pad travel is fast, so little lever movement is needed to bring the pads into contact with the disc brake rotor.
The power multiplication factor then increases rapidly at the pad-to-rim contact so more of the lever stroke is used to apply greater braking power with improved control.

Equipped: XTR/SAINT/DEORE XT/SLX/ZEE/DEORE



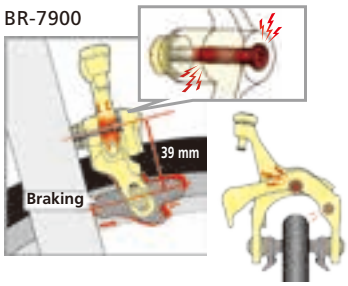


SLR-EV SLR-EV

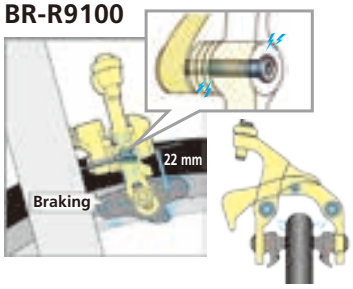
SLR-EV is SLR with a dual symmetric pivot brake caliper. The short-arm brake design employs two bearings and a roller to realize greater efficiency in the pivot area and deliver superior modulation and power for braking. Together with the BC-9000 brake cable, the latest calipers deliver 36% more braking power than SHIMANO's previous brake model. And we offer 2 axle symmetric brake caliper and fork mount and chain stay mount type (BR-R9100/6810/5810).

Equipped: DURA-ACE/ULTEGRA/105

BR-7900



BR-R9100



Short arm reduces friction at pivot area
- Better response
- High efficiency

2 bearing plus 1 roller structure
- Improved efficiency at pivot area

Toe-in Adjust

Optimum braking response is achieved with a slight toe-in (around 0.5 mm) of the brake shoe. By integrating a convex washer to the fixing bolt, adjustment of toe-in is much easier.



Convex washer

Drivetrain

2-piece crank construction

Integrated crank arm and bottom bracket
Increased rigidity with less weight

Wider bearing positioning
Rigidity is enhanced and pedaling force is efficiently transmitted

Precision Bearings
Low maintenance and simplified installation



DYNA-SYS

SHIMANO's next generation 10-speed MTB drivetrain

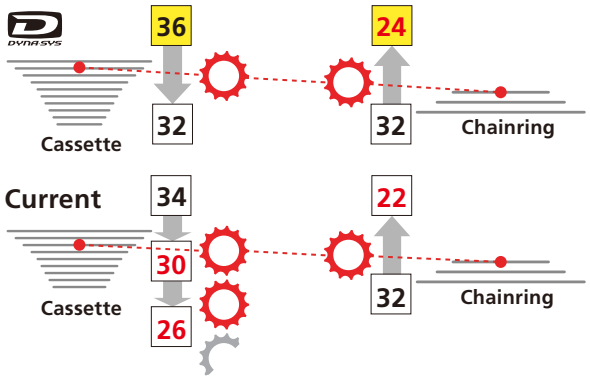
SHIMANO presents the drivetrain technology for mountain bikes: DYNA-SYS. This revolutionary technology uses a 10-speed cassette, but that is not the only feature of this system. Highlight is a completely redesigned drivetrain that creates real added benefits for the rider.

- **It's not only an extra gear...**
- **It's about closer gear ratios for a smoother shifting performance and improved power transfer**
- **It's about riding optimized gear combinations that improve efficiency and durability**
- **It's all about performance: DYNA-SYS offers a more stable drivetrain for any type of rider!**

Inherently Efficient

A wider-range 11-36T 10-speed HG cassette means riders can spend more time in their primary driving gear-the 32-tooth ring. Traditionally, triple-ring riders have had to get used to making two to three recovery shifts in the back every time they drop into the 22T granny. With DYNA-SYS, it's just one recovery shift, and it's needed less often. Shifting is smoother and faster thanks to close step gear ratios-42-32-24. Getting from the 24-tooth ring back into the primary driving gear-the middle ring-is easier and more intuitive. And a more manageable 42-tooth big-ring is also easier to get into, which means riders will use it more. DYNA-SYS technology makes the shifting transitions seamless, enabling riders to deliver consistent, efficient power while maintaining traction and momentum.

When pedaling in steep climbing sections...



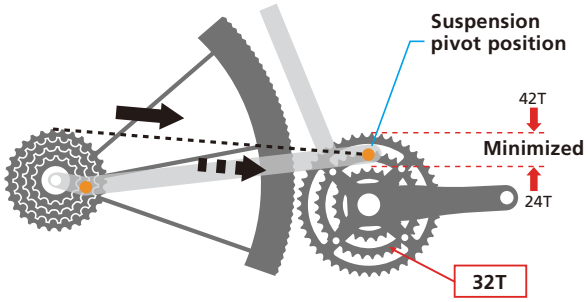
Combining wider gear ratios with the closestep chainring minimizes cadence change and pedaling loss, making power transfer more efficient.

Remarkably Stable

An asymmetrical mountain bike-specific chain means smoother shifts, lighter weight, and better overall system performance. Closestep gear ratios mean smaller jumps between gears, more efficient chain movement and a reduced chance of dropping a chain while shifting in rough conditions.
The more efficiently redesigned cable routing and shorter rear derailleur housing helps make the system less prone to contamination, trail chatter or suspension movement. The compact cage rear derailleur and a smaller big-ring allow for fewer chain links, which translates to a quieter, more stable transmission. The long-arm rear derailleur architecture increases the mechanical advantage for advanced light action shifting.

DYNA-SYS closestep gears are based on the 32T middle chainring, helping make overall power transfer more efficient

- **The 32T is the most effective and most often used chainring in off-road riding.**
- **DYNA-SYS technology minimizes the variation in driving chain position relative to most bikes' effective main pivot, reducing unwanted influence on suspension performance.**

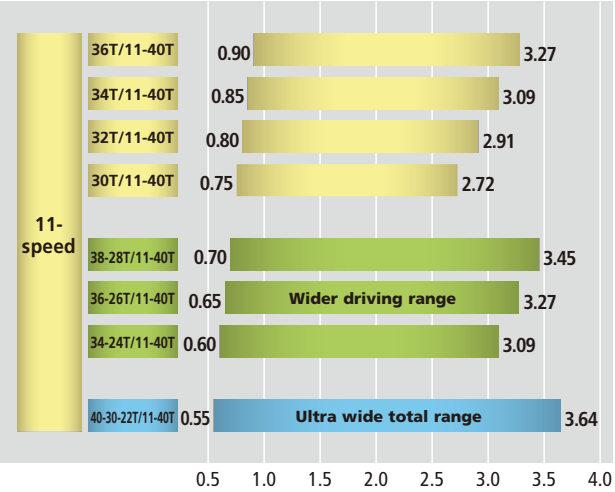


DYNA-SYS 11

Rhythm and Range

The real advantage of 11-speed is the ability to have all the range you require without sacrificing the rhythm you need.

Wider Driving Range/ Total Range Gear Range Comparison



Range optimized chainwheels

Chainwheels matched with specific sprockets for:

- **Improved gear quality and driving efficiency**
  - Reduced cross-chain
  - Effective gear steps
- **Larger diameter, longer wearing cogs**

At the range

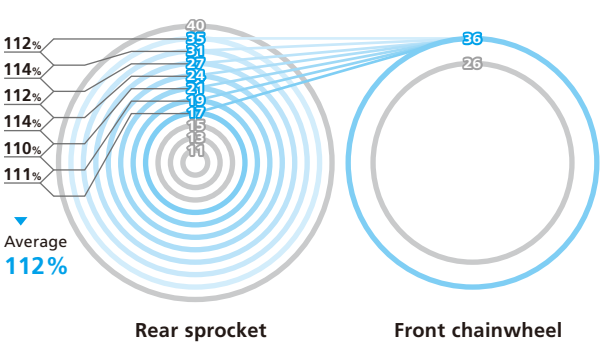
Driving: gears are purpose matched to keep you riding efficiently without front shifting

Climbing: gears are chosen to compliment the lowest cogs and maximize seated traction

Driving range

DYNA-SYS 11 maximizes rhythm with "rhythm step" gears in the most frequently used range.

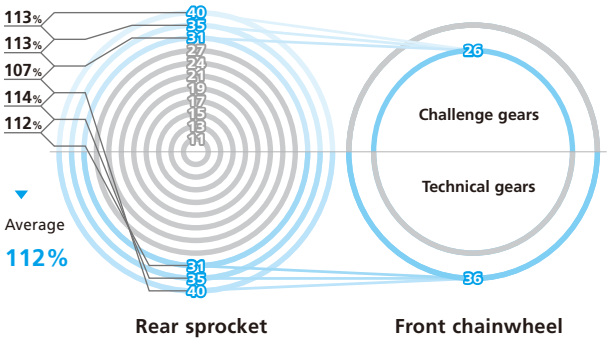
- **Less front shifting thanks to optimum front gear teeth**
- **Rider controls cadence and energy use by rear close ratio**



Climbing range

DYNA-SYS 11 maximizes rhythm with "rhythm step" gears in the most frequently used range.

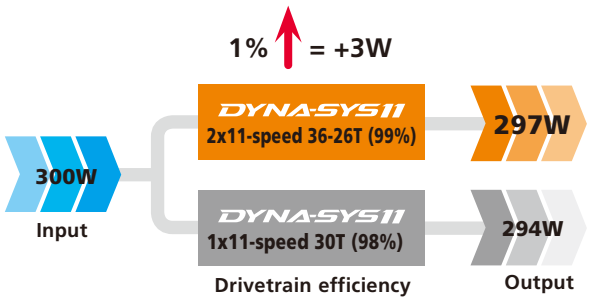
- **Smooth shifting performance thanks to front close gear ratio**
- **Rider controls cadence and energy use by rear close ratio**



Highly Efficient gear combination

Driving efficiency is a key drivetrain performance indicator.

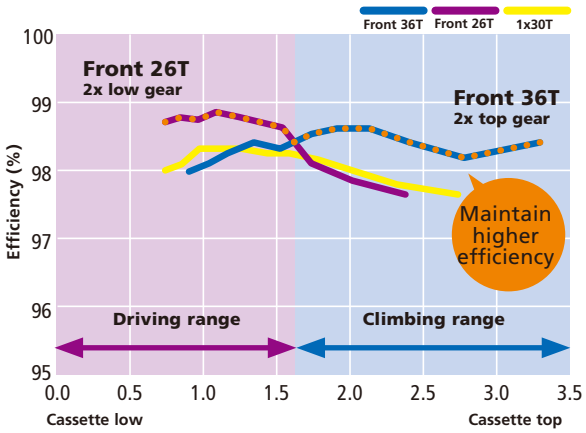
- **More speed for the same effort**
- **Multiple front gear (2x, 3x) maintains higher efficiency in all range**



Gear Ratio

M9000 series

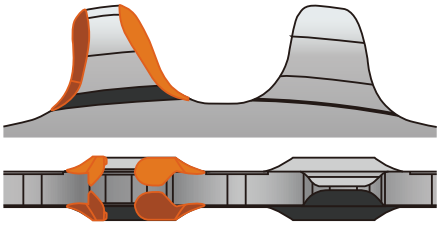
Front double 36-26T, Cassette sprocket 11-40T/Front single 30T, Cassette sprocket 11-40T



DYNAMIC CHAIN ENGAGEMENT+

SPECIAL GEAR TEETH FUNCTION

SHIMANO's DYNAMIC CHAIN ENGAGEMENT+ is a special gear teeth profile designed for use in single-chainring configurations for XC, enduro, and trail riding.
It gives more chain retention and smoother pedaling - even over bumpy terrain. Chain retention of any gear will reduce abrasion and worn out.



HOLLOWGLIDE

Hollow technology on outer chainring

High rigidity hollow structure cuts down on weight yet maintains strength. Better power transfer and quicker and more precise front shifting

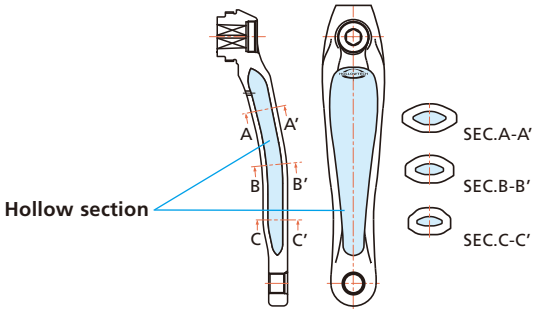
Equipped: DURA-ACE/ULTEGRA/XTR



HOLLOWTECH Crank Arm

Hollow forged crank arms

A lightweight crankset not only reduces the bike's weight, but decreases rotating mass to aid in acceleration.
The challenge is to reduce the weight of the crank without reducing its strength and rigidity.
SHIMANO's advanced forging technology has solved the problem through the HOLLOWTECH crank.
Just like high quality frame tubing, a hollow crank arm can provide amazing strength and rigidity at very lightweight.



HOLLOWTECH II technology

Providing the best balance of stiffness, strength, weight and rotating performance

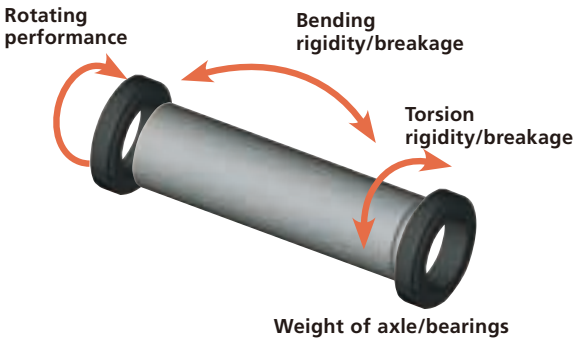
The concept of HOLLOWTECH II technology is focused on producing a superior crankset which will maximize a rider's power transfer. The rigidity of the crankset ensures pedaling efficiency while its weight, a key element of the crankset, you want light, aids in cycling longer distances over which the rider needs to pedal more. Naturally, SHIMANO strove for the optimum balance between the conflicting needs of stiffness while producing a lightweight crank.
HOLLOWTECH technology is an ultra-lightweight hollow crankarm created by SHIMANO with the company's own proprietary forging technology that also maintains rigidity. The addition of HOLLOWTECH II technology integrates the bottom bracket axle with the right crankarm for more stiffness and a weight savings to achieve a high-dimensional balance. Its outboard bottom bracket bearing system provides better weight distribution and more pedaling stability, allowing for more efficient power transfer.



The HOLLOWTECH II crankset has been developed by pursuing the optimum balance of stiffness & rotating performance in a lightweight and beautiful crankset design.

24 mm diameter axle and bearings

Why choose the 24 mm axle and bearings for the HOLLOWTECH II crankset? The diameter of the bottom bracket axle and bearings was of primary importance for the development because the bottom bracket axle area is tied to such key elements as stiffness, strength, weight and rotating performance.

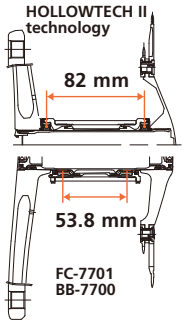


What's important is the total balance of crankset

In addition, taking the crankset as a whole, the total balance of crankarm rigidity, axle stiffness, bearing position and others is essential. Indeed, the crankset is designed by careful consideration of the total balance of those elements to prevent breakage.

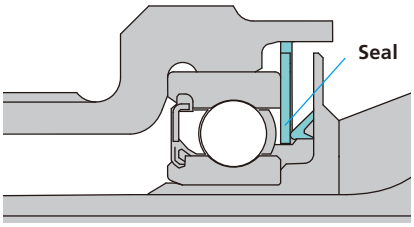
Outboard Bearing

For most frames with 68 mm bottom bracket shells, HOLLOWTECH II with 24 mm axle can set the bearing position outside of the frame to provide better weight distribution and more stability.



High Precision Sealing

Moreover, HOLLOWTECH II crankset has a high-precision sealing in the bearing area to increase durability maintaining the excellent rotating performance for long periods.



24 mm diameter axle and bearings provide optimum balance for the crankset

After studying all these problems thoroughly, we made the decision to adopt the 24 mm diameter axle and bearings, which have the optimum balance, for the HOLLOWTECH II crankset.
In addition, an examination of the total crankset, including the crankarm and gears, proves the optimum balance of rigidity, weight and rotating performance for the ultimate transfer of power to your bike. HOLLOWTECH II is simply the most optimized crankset design on the market.

Equipped: XTR/SAINT/DEORE XT/SLX/DEORE LX/DEORE/ DXR/DURA-ACE/ULTEGRA/105



DURA-ACE
FC-R9100

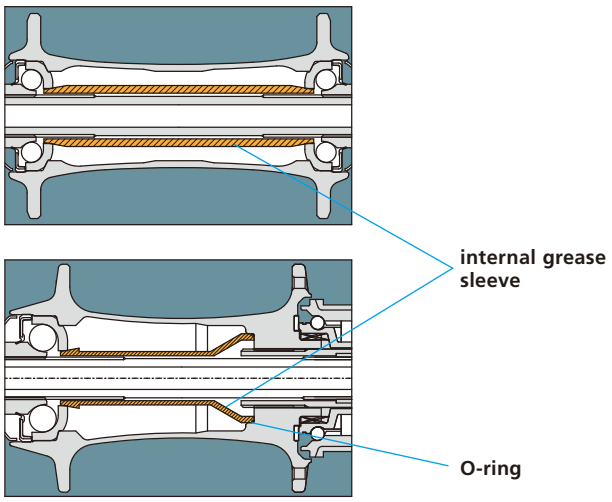
XTR
FC-M9000

Internal Grease Sleeve

Hubs feature internal o-rings and a grease sleeve that helps maintain grease levels and increases service life.



Road hub

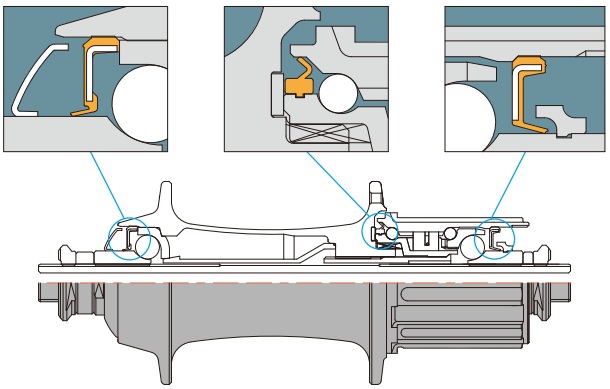


Labyrinth & Contact Sealing

Specifically designed seals inside the hub shut out mud, dust, dirt and moisture and protect the bearing mechanisms, realizing low maintenance as well as longer service life.
This maintains the original performance for a longer period of time under unfavorable environmental conditions.



Labyrinth & contact seal (road)



MEGA 9 DRIVE TRAIN

The 9-speed gear cluster actualizes close ratio gearing without impairing wide gear range.

MEGA 9 LITE

Light pedaling with efficient drivetrain

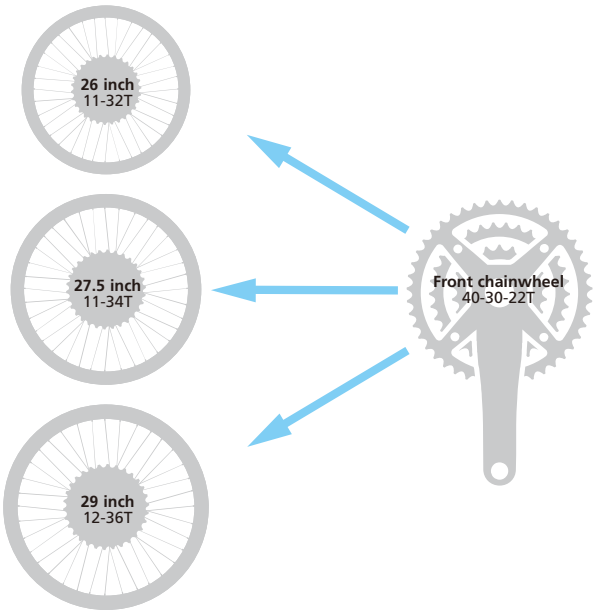
• Optimal gear ratio for each wheel size

The larger the wheel the more range needed in the cassette to maintain light pedaling.

• Refined front shifting system

Gear combinations specialized for each tire size reduces the number of recovery rear shifts needed with front close gear ratio.

• Tire clearance improved for better maneuverability



OCTALINK Bottom Bracket Joint

Compared the power transfer of OCTALINK with the conventional square taper spindle, the 8-splined OCTALINK interface that connects bottom bracket and crank set increases the strength and rigidity for entire assembly.



Press-Fit Bottom Bracket

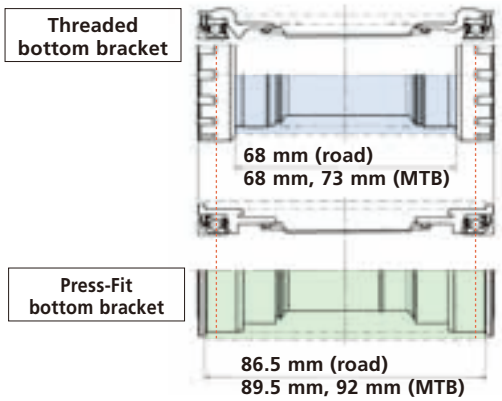


To meet customer needs in the best possible way, SHIMANO has developed the press-fit bottom bracket, staying focused on our final goal: total performance in pedaling. The bottom bracket axle is steadily supported by the wide placed bearings on the basis of HOLLOWTECH II technologies providing highly-efficient power transfer.

Equipped: All HOLLOWTECH II and 2-PIECE CRANKSET

SM-BB94-41A (MTB)
SM-BB92-41B (Road)

<Wider bottom bracket shell>



QUICK-LINK

Tool-free assembly for current 11-speed chains provides great convenience to user. (TL-CN10 is also available for more convenient assembly.)

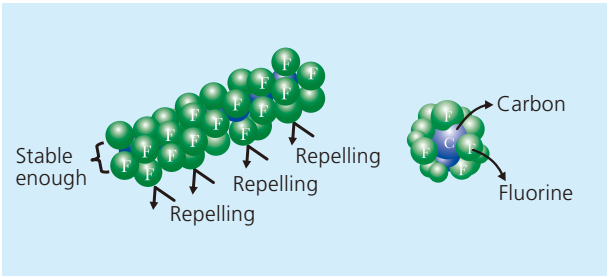


SM-CN900-11

SIL-TEC SIL-TEC

SHIMANO's ultra-low friction surface treatment

Superior to simple coating, SIL-TEC is an advanced plating process that improves system performance through the use of imbedded fluorine particles. SIL-TEC products run smoother and wear longer in all conditions.



SIL-TEC chain vs. Common Plating (Zn-Ni) chain

Smooth Pedaling		
	Rotation Sliding Friction	-60%
	Driving Noise	-2.7dB
Less Maintenance		
	Mud Shedding Performance	+30%
Long Life		
	Wear and Abrasion Resistance	+20%

SHIMANO MODULAR CHAIN DEVICE

Win all kinds of gravity races!
SHIMANO MODULAR CHAIN DEVICE is tough and efficient chain device. Rider can choose one half guard/two half guards/no guard according to course/usage. It has minimum bash guard for protecting chain and chain ring from impact. And replaceable silencer works less noise, easy focus on your riding. Moreover SHIMANO MODULAR CHAIN DEVICE ensures super stable and silent drivetrain with SHIMANO SHADOW RD+ rear derailleur.

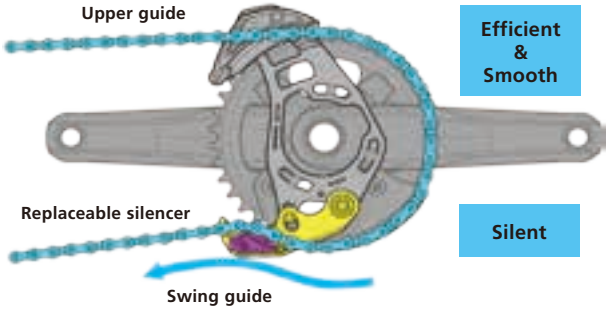
Equipped: SAINT

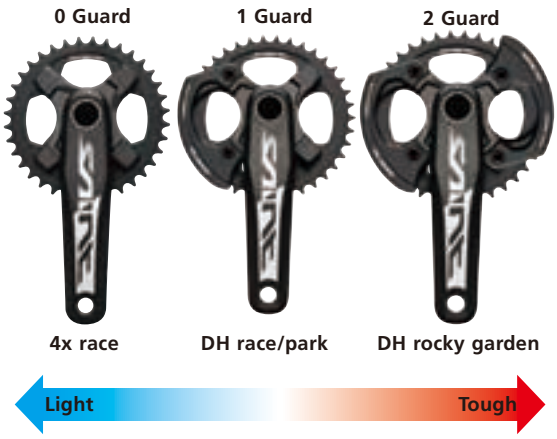


SM-CD50

Chain Management

SHIMANO MODULAR CHAIN DEVICE





Rider tune modular system

Information system

D-FLY

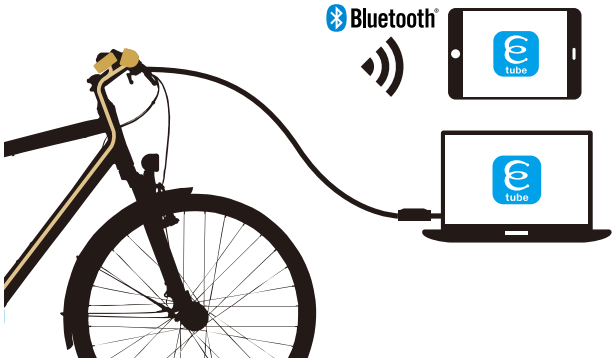
D-FLY builds on the capabilities of the E-TUBE wiring and electronics found in the latest SHIMANO DI2 electronic shifting systems for road bicycles.
This wireless component adds another dimension to the DI2 experience by wirelessly connecting riders to their DI2 data through a cycling computer.

Equipped: SC-M9051/SC-MT800/EW-WU111/EW-WU101

E-TUBE



E-TUBE is system platform in order to achieve DI2 (DIGITAL INTEGRATED INTELLIGENCE) concept. E-TUBE transmits interactive signals and power supply to each electronic components by "plug & play" connection. E-TUBE is no rust, no stretch, no freeze and it ensures advanced low maintenance. It offers optimum flexibility on your bike.
E-TUBE project gives you to customize setting of electronic components and update its firmware by Windows PC or tablet, smartphone. You can access a range of electronic components information quick and easy and check the system status in moments.



Available functions in each devices

	PC (Windows)	Tablet	Smartphone
Customize	X	X	X
Firmware update	X	X	X
Error check	X	X	–
Preset	X	X	Limited*
Single unit connection	X	–	–

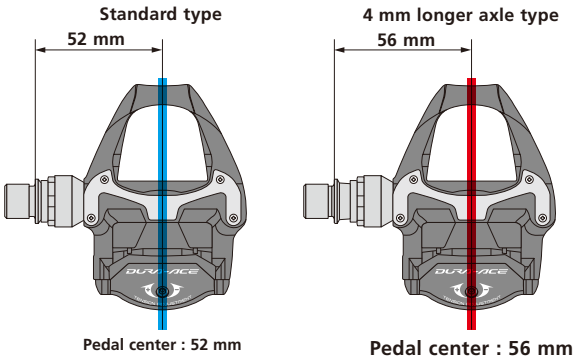
* Only reading and writing

Pedal system

4mm Longer Axle

SHIMANO's optional extended axle adds 4 mm to the distance between the crank and the foot position. This allows riders with naturally wider hips to maintain correct leg and foot alignment on the pedals.

Equipped: PD-R9100/PD-R8000

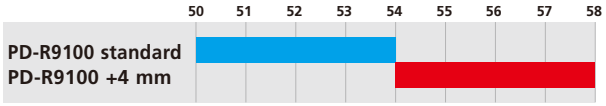


Adjustable range of foot position

50 mm - 54 mm (Standard)
54 mm - 58 mm (+4 mm)

Total 50 mm - 58 mm

Distance from crank to foot position

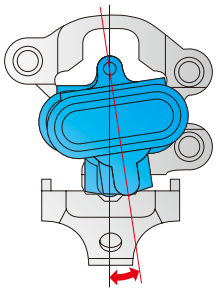


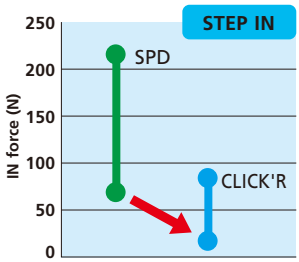
SHIMANO CLICK'R

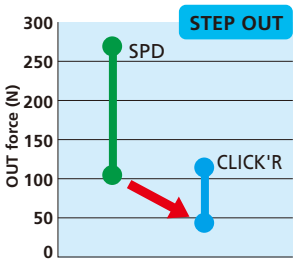
SHIMANO CLICK'R is the pedal concept aimed at the newcomer to step-in pedals. Compared to conventional flat pedals or toe clips, step-in pedals offer a far more efficient system for transferring power from your legs to the bike. SHIMANO CLICK'R pedals let you ride farther, faster, and longer with less fatigue. Not only that, you also get more stability and control of the bike. So say goodbye to your old energy-sapping shoes and step up to—and into—a smoother ride.

• Lighter spring for lighter step-in/out
Step-in force > 60% less than SPD
Step-out force > 62% less than SPD
(minimum spring position)

• Pop-up cage for easier step-in
• Prevent unintentional release
• Step out angle
SPD: 13° SHIMANO CLICK'R: 8.5°
Smaller step-out angle for quick step-out









PD-T421



CT5

SHIMANO PEDALING DYNAMICS

On/off the bike

SPD is a system that performs whether you're on or off the bike. It makes pedaling more efficient with a wide variety of shoe and pedal styles and the recess cleat makes walking more comfortable. You can pedal with greater efficiency, stability and comfort with the SPD system.

Comfort to the Walk

SHIMANO invented SPD to meet the needs of a growing frontier lifestyle called MTB. By eliminating toe-clips and integrating the pedal and outsole into a single, unified power transfer system, SHIMANO changed the industry; not only boosting power to the pedal, but also the rider's control over increasingly adventurous styles of riding. Today there's no single MTB style, and no single SPD pedal to match. It's all over the landscape, from fast paced XC racing to steep, rocky, wet, rooted and muddy trails. SHIMANO SPD pedals are keeping up. The legacy of "in-the-dirt" dependability, reliability and sheer endurance continues as shoe-pedal designs evolve to meet the needs of your personal style of ride. System-engineered. Rider-tuned. You choose.



SHIMANO PEDALING DYNAMICS SL

PRO's to YOU

Born of the pro tour demand for optimal power and endurance, the low-profile pedal technology has expanded to a wide range of cyclists, including competitors at all levels, sport, club and recreational riders. SPD-SL is a road pedal platform systematically engineered with SHIMANO footwear to transfer more power from your body to your bike. For pro riders the extra-wide, low-profile cleat distributes energy more evenly over a wider surface and transfers it more efficiently to the bike, under the most extreme pedaling loads. No wasted movement. No loss to flex, voids or mismatched shoe/pedal designs. It's a core advantage that helps win races. The same energy efficiency that powers pro riders to the podium enhances the experience of other rider categories. Increased endurance for longer rides. More comfort and fun! System-engineered. Rider-tuned. You choose.

Power transfer efficiency

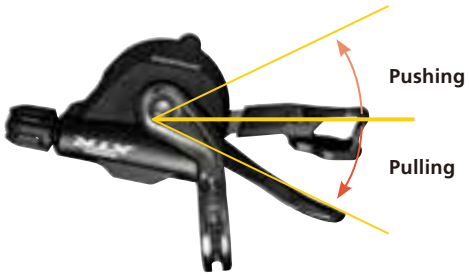
SPD-SL is the road specific refinement of the system. This pedal platform was designed specifically for the needs of world-class road racers. The seamless pedal and cleat interface for a more efficient power transfer under the extreme pedaling loads encountered in race competitions.



Shifting system

2WAY-RELEASE

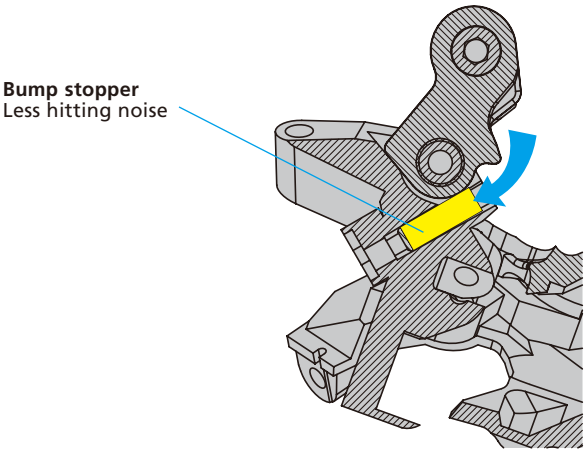
The RAPIDFIRE PLUS shifter release lever is commonly called a trigger because it is operated like a pistol, by pulling toward the grip. The release lever of RAPIDFIRE PLUS shifters from ALIVIO to XTR can be operated in this same manner but adds the ability to activate a release shift by pushing with the thumb.



Bump Stopper

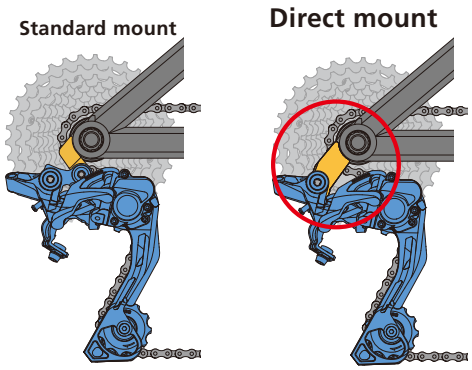
The rear derailleur bump stopper improves rider focus by silencing derailleur noise in rough conditions. This high-durometer urethane bumper prevents chain slap by absorbing impacts between the B-link and the rear derailleur B-tension adjustment screw.

Equipped: SAINT



Direct Mount Rear Derailleur

Rear wheels are easier to remove with a mounting option for SHIMANO SHADOW RD and SHIMANO SHADOW RD+. The direct mount feature is designed to suit a wide range of contemporary frames with large-section chainstays, in particular mountain bikes with thru-axle dropouts.



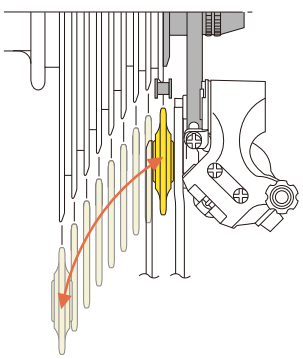
E-THRU type image

- Allows for flexible frame design
- No special tooling requirement (M10x1 Mount bolt, without e-clip)
- Easier to install rear wheel

Double Servo

SHIMANO's double servo-panta mechanism enables the rear derailleur to move in an optimum path.
The guide pulley tracks the cogs closely while moving front to back, optimizing each shift. Perfect tracking contributes to the most accurate SIS shifting.

Keeps rear derailleur guide pulley an optimum distance from each sprocket.



DCL DUAL CONTROL LEVER

DCL stands for DUAL CONTROL LEVER. It has brake and shifting functions in the system and enables easy operation.
Ergonomic innovation is probably more critical to the higher standard performance than the added gearing. The shift internals borrow the robustness from our MTB technology and are so smooth and effortless that one finger shifts front and rear are possible.
Indeed, shifting is the ultimate act of SHIMANO TOTAL INTEGRATION, and simply has to be experienced to be understood.

The DURA-ACE/ULTEGRA/105 DUAL CONTROL LEVER have an optimized structure with features that include the lighter weight pivot section in the near side of the shifting unit and the integral shifting cable for lighter steering. Its many component parts are made so compact and precise to achieve unprecedented high-speed performance.



DUAL SIS Front and Rear Index Shifting

The SIS rear index shifting system was adopted at the front. With the index system at the front shifting operation is easier and more comfortable.

SIS Rear Index Shifting System

The system constituents such as the index mechanism built in the shifting lever, the frictionless SIS rear index shifting cable and the smooth action rear derailleur realize the SHIMANO INDEX SYSTEM.

EZ FIRE PLUS

The EZ FIRE PLUS features two shift levers, just like the RAPIDFIRE PLUS. The upshift lever is located at the top so it is easy to see. The visible gear display allows easy use for entry-level riders. This shifter is recommended for sports casual riding.

FIREBOLT FIREBOLT

What is "FIREBOLT"?

Quicker shifting operation instinctively even at any terrain with less effort.

- **Ergonomic rotary switch match natural hand movement**
  ---> Independent lever position adjustment
- **Faster and more accurate shifting**
  ---> Short-stroke, vivid index feeling

Equipped: XTR/DEORE XT



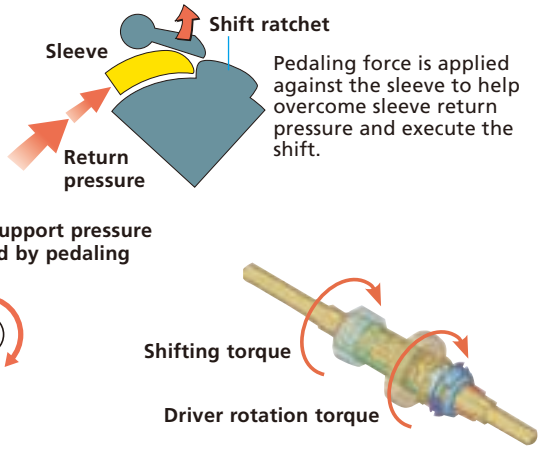
SW-M9050

Gear Change Support

SHIMANO gear change support mechanism utilizes some portion of pedaling force at down shifting. The result is a quick and precise downshift with very light feeling. For the automatic shifting system, this gear change support mechanism is the key. Shifting effort is reduced to the point where the hub can be shifted through a small low-torque DC motor. Less electricity is required, so a smaller battery allows the system to be lighter and more compact.

Equipped: ALFINE/NEXUS INTER-8/NEXUS INTER-3

40% less shifting force required

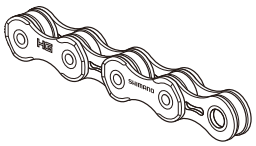


HG Road 10-speed Chain

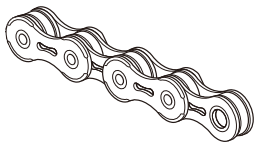
The inner outer plate, designed for better contact with gear teeth, allows smooth shifting even under high load conditions. In addition, the chain has achieved a pedaling efficiency of 0.6% higher.
In order to obtain good gear shifting performance, this chain has a forward side and a reverse side, and the sides are marked so that the chain will face the correct way when installed.

Equipped: TIAGRA

Forward (outer side)



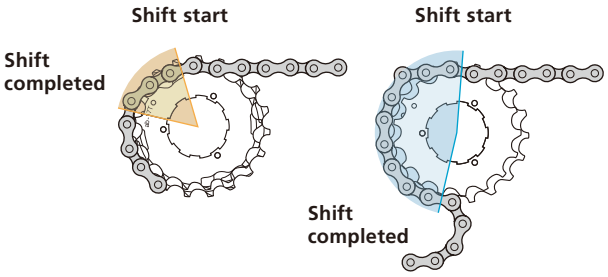
Reverse (inner side)



The side with the mark shown in the illustration is the forward side (outer side).

HG Sprockets

The distinctively designed HYPERGLIDE sprockets incorporate specially positioned shift ramps and tooth profiles for improved chain control during shifting. Fast and responsive indexed shifting is the result.
The HG cassette sprocket, which was developed for the MTB 10-speed system, underwent comprehensive optimization to achieve super-highly efficient shifting.

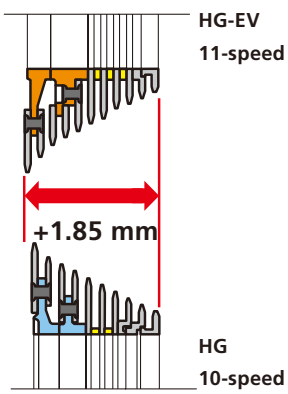


HG sprockets
Guide the chain quickly and directly to the next sprocket without override.

Conventional sprockets
Cause the chain to ride up and over the gear teeth before engaging the sprocket.

HG-EV

HG-EV cassette sprocket is for rider-tuned gear combination & cadence management. We provide optimal 11-speed drive train gear ratio; you can choice wider and closer gear combination available to match various riding disciplines. HG-EV cassette sprocket is obtained 11-speed gear without compromising the 10-speed durability and improved HYPERGLIDE shifting.



HG-X Chain

Further evolution of shifting performance

A directional mountain bike specific 10-speed HG-X chain means smoother shifts, lighter weight and greater overall performance.
HG-X directional chain: outer side is optimized for front shifting and inner side is optimized for rear shifting.

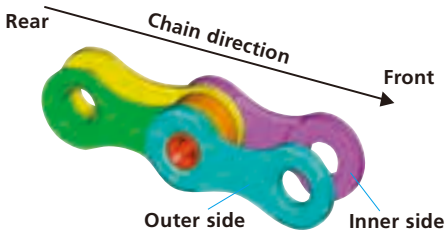
Equipped: SAINT/SLX/ZEE/DEORE



Outer side parts



Inner side parts

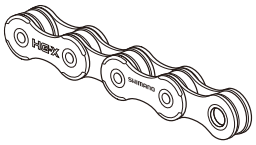


■ Special 10-speed Chain for MTB

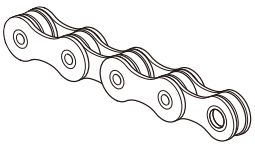
- **Designed for MTB riding conditions: High torque pedaling and muddy conditions.**
- **Durable: Lightweight holes on the link plate are filled.**
- **Mud shedding: Consistent shifting performance under muddy conditions.**

*** HG-X chain is not compatible with other road 10-speed systems.**

Forward (outer side)



Reverse (inner side)



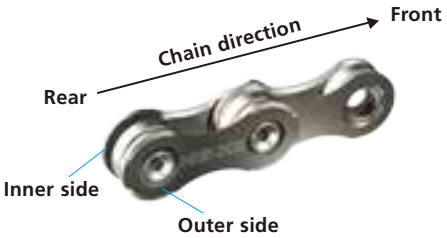
The side with the mark shown in the illustration is the forward side (outer side).

HG-X11 Chain

Silky driving, accurate shifting

HG-X11 directional chain realize more smoother shifts and greater overall performance.
Right and left sides are optimized for front and rear shifting respectively.

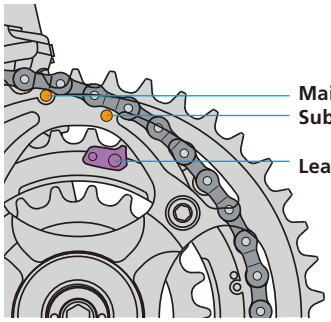
Equipped: DURA-ACE/ULTEGRA/105/XTR/XT/SLX/METREA



HYPERDRIVE System

Integrated design of SG-X chainrings, Wide Link front derailleur and HG chain

Components work together to improve chain control to provide precise and reliable front derailleur shifting that is especially beneficial in severe off-road riding conditions.



I-SPEC

Integration mounting system of shifter and brake lever. It can realize clean appearance, more space for handle bar area and lightweight.

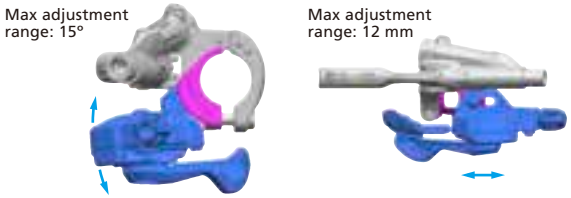
		Shifting Lever	
		B type	Conventional type
Brake lever	B type	[Assembly procedure]: In the case of B Bolt (small) Nut Bolt	
	A type	[Assembly procedure]: In the case of C*1 Nut Bolt	[Assembly procedure]: In the case of A Nut Bolt

*1: Compatible grip diameter Max. ø32

I-SPEC II

Simple structure with narrow brake lever clamp band

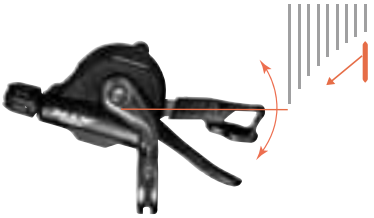
More space on handle bar and cleaner appearance.



INSTANT RELEASE

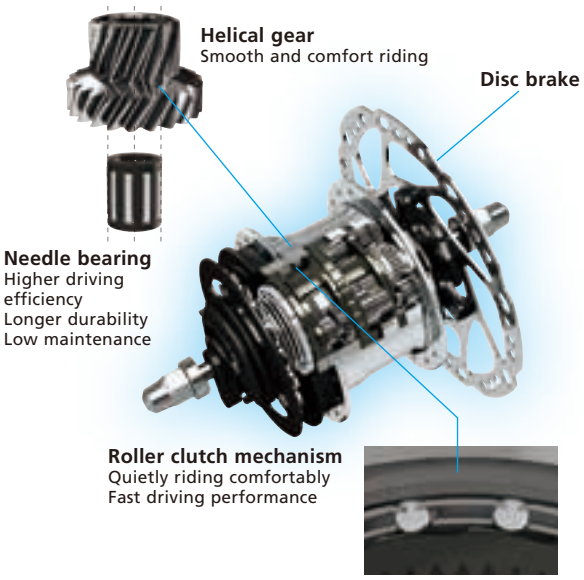
INSTANT RELEASE shifting replaces the two-stage click and release shifting you are familiar with. INSTANT RELEASE shifting releases cable as soon the lever is activated, resulting in the quickest possible gear changes. Whether it is an upshift with a top normal rear derailleur or a downshift with low normal rear derailleur a quicker shift is always a better shift.

Equipped: XTR/SAINT/DEORE XT/ALFINE/SL-R780/SL-RS700



INTER-11

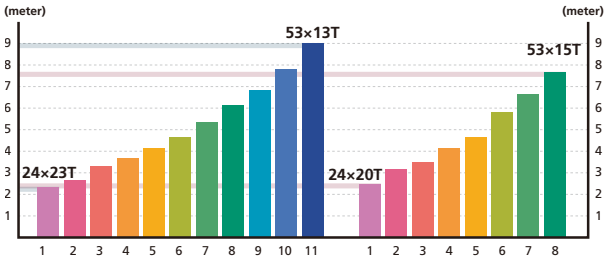
ALFINE 11-speed



Wide Gear Ratio

Broad terrain riding support

Distance travelled per crank revolution (700C)



SG-S7001-11 45 tooth chainring, 23 tooth sprocket, Range of gears : 409%

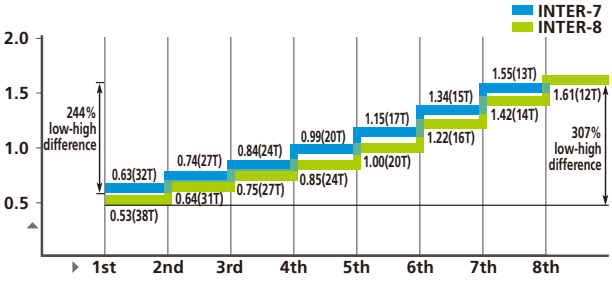
SG-S501 45 tooth chainring, 20 tooth sprocket, Range of gears : 306%

The diagram above shows distance traveled per crank revolution.
If we compare with chainring/sprocket combination rear derailleur system offers, 1st gear of SG-S7001-11 offers as same gear as 24 tooth for chainring, 23 tooth for sprocket.
11th gear of SG-S7001-11 offers as same gear as 53 tooth for chainring, 13 tooth for sprocket. It covers wide range as a total.

INTER-8

The INTER-8 hub has increased its gear ratio to 307%, compared to 244% of the INTER-7 hub. The INTER-8 hub also incorporates a closer gear ratio allowing a more efficient and comfortable pedaling cadence.
A truly "all conditions" internal hub has arrived.

Equipped: ALFINE/NEXUS INTER-8



The table above shows the relative gear ratio for the INTER-7 and INTER-8 gear hubs when used with a 20T sprocket.
The numbers in parenthesis show the sprocket size that each gear ratio corresponds to in a derailleur system.

MEGARANGE Gearing

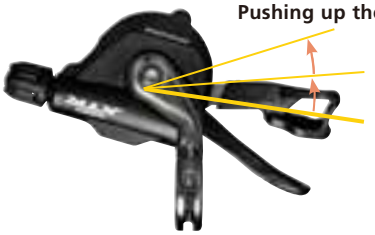
34-tooth MEGARANGE sprocket provides super-low gearing that lets you pedal up the steepest grades with ease.



MF-TZ500-7
14-34T

MULTI RELEASE

Previous shifting systems shifted faster in one direction than the other. Choosing top normal or low normal always meant sacrificing shifting speed in one direction.
Now with MULTI RELEASE you can release shift two gears in one stroke. The result - the fastest possible shifting in both directions regardless of rear derailleur choice.



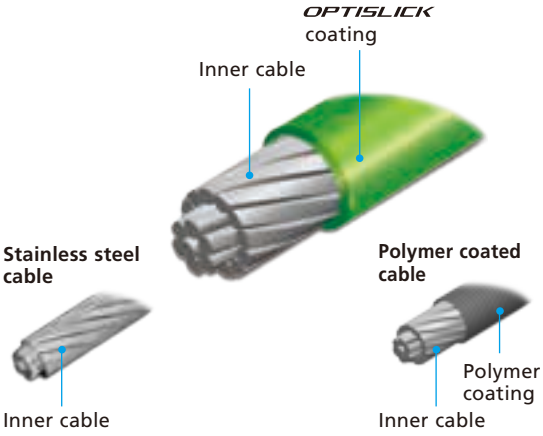
OPTICAL GEAR DISPLAY

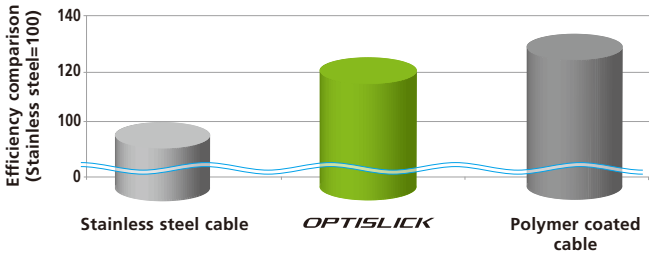
The OPTICAL GEAR DISPLAY tells you which gear position is selected while riding your bike. You can see how many gears you can select either on the low side or top side, which makes shifting control easier.



OPTISLICK

OPTISLICK cables feature a minimal and uniform electrically coated layer that improves cable routing efficiency and provides excellent corrosion resistance.





Shift Cable Line-up

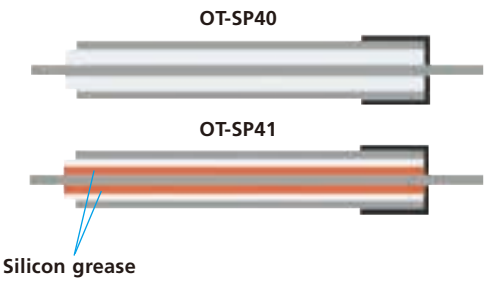
High-end

	MTB	ROAD
Polymer coated cable	XTR	DURA-ACE / ULTEGRA
OPTISLICK	DEORE XT	105 / Tiagra / ST-RS505
Stainless steel cable		
Steel cable		

Entry-level

OT-SP41

With OT-SP41 the entire length of the outer casing is pre-lubricated with a special silicone grease for quick and precise shifting performance.
OT-SP41 maximally reduces the inner cable friction to provide quick response to operations and easy/effortless shifting. Moreover, power loss due to delay in shifting and fatigue by shifting especially when you ride on the terrain with many ups and downs as well as a long distance is also reduced.
8 color options are also available for outer casing to meet many requests.

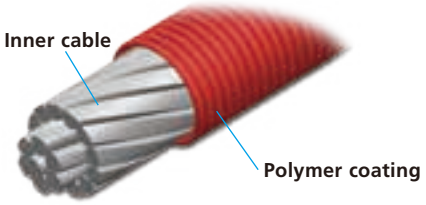


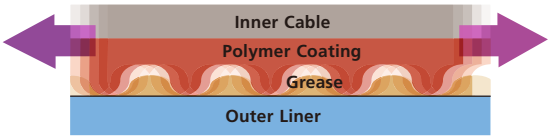


8 color options

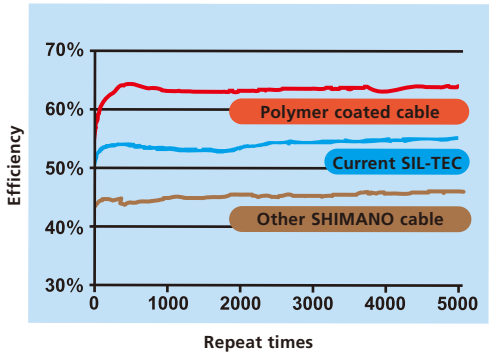
Polymer Coated Cable

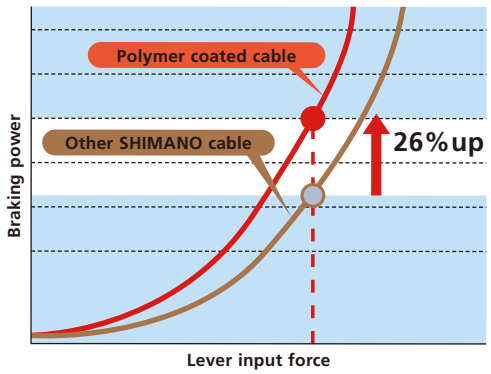
The secret is polymer coating that when viewed under a microscope looks like a series of tubes wrapped around the cable.
This means less surface area rubbing the internal housing liner and it holds grease longer.
Main benefits are significantly less shifting effort and the feeling of a quicker shift action also improved braking power with remarkably less brake lever effort.





Transmission efficiency of shifting cables





RAPIDFIRE PLUS

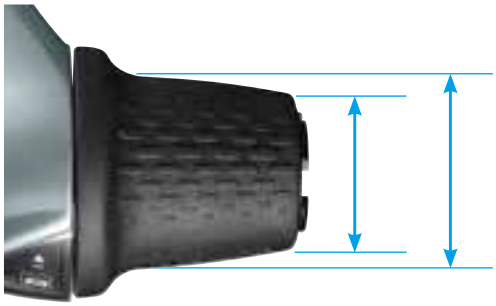
Mountain bikers have used RAPIDFIRE PLUS since 1985. RAPIDFIRE PLUS is still a winning choice from a wide range of riders from XC racers to freeriders. RAPIDFIRE PLUS is suited to quick shifting, giving riders the ability to downshift three gears in one stroke. RAPIDFIRE PLUS shifters from DEORE to XTR all feature 2WAY-RELEASE, which means release shifts by pull of the index finger or push of the thumb.



This shifting lever can be installed on either the inboard or the outboard side of the brake lever.

REVOSHIFT Shifter

The REVOSHIFT shifter requires just twisting with thumb and index finger while keeping your hands on the handlebar.
Easy and reliable shifting is good for average riders and beginners.



Dual-diameter shift collar allows any hand size to get a secure grip on the shift collar.

SEIS SHIMANO ELECTRONIC INTELLIGENT SYSTEM

A technological innovation of the computerized shifting system based on the DI2 concept with which is called, the SEIS (SHIMANO ELECTRONIC INTELLIGENT SYSTEM).
The SEIS innovative shift technology is still based on the SHIMANO INDEX SYSTEM (SIS) that has proved its superior gear changing characteristics over the years. The big difference is that in this case, the shifting action is provided for by electronics instead of mechanics.
This electronic shifting system has been extensively tested over past two years by several professional riders in all conditions possible, such as rain, mud, low temperatures, cobble stone roads and combinations of all of these at the same time.
Shifting is executed by simply pressing the button.
No power is needed to shift, which gives important advantages since it is easier now to always keep a tight grip on the handlebar and to keep your concentration on riding instead on shifting.
The shift system allows accurate and effortless shifting in difficult circumstances for example when you have cold hands or when you are completely exhausted.
Furthermore, the shifting performance will never be affected by contaminated or stretched cables since the shifting signal is transferred electronically. The operating buttons work similarly to mechanical DUAL CONTROL LEVER so you don't need to re-program your mind for the SEIS.

Equipped: XTR/XT/DURA-ACE/ULTEGRA/ALFINE



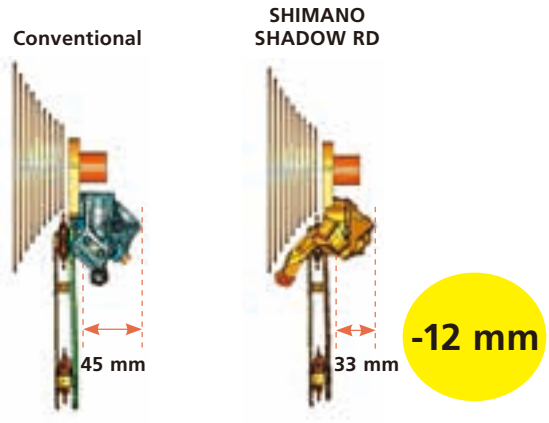
SHIMANO SHADOW RD

The mechanism rear derailleur, SHIMANO SHADOW RD, is intended for more aggressive riding. Its super low profile design carries many benefits. Because of its low profile and single tension construction, the derailleur does not hit the chain stay in rough riding conditions. The result is smooth and silent performance.



RD-T6000

Low profile design (Top gear position)



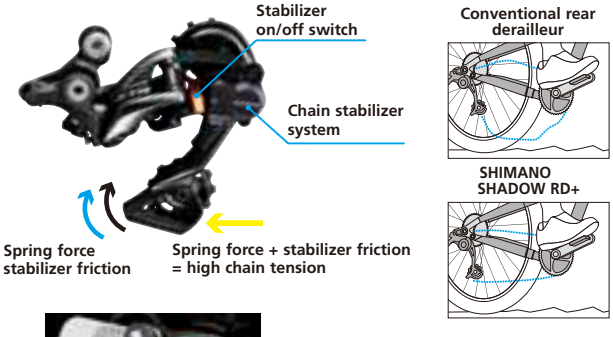
SHIMANO SHADOW RD+

Less distraction quiet drive train

Rear derailleur stabilizer reduces chain slap

Simple solution for chain drop

Lighter and more efficient than roller type chain device





Adjustable chain stabilizer
Equipped: XTR/SAINT/DEORE XT/SLX/ZEE/DEORE

SHIMANO SYNCHRONIZED SHIFT

Two derailleurs, One Shifter

Front derailleur reads the rear derailleur's position and automatically executes front shifts.
Improves efficiency by minimizing time spent on smaller chainwheels.

Programmable synchronized shifting map

The rider chooses when front shifts occur and also chooses rear derailleur command.

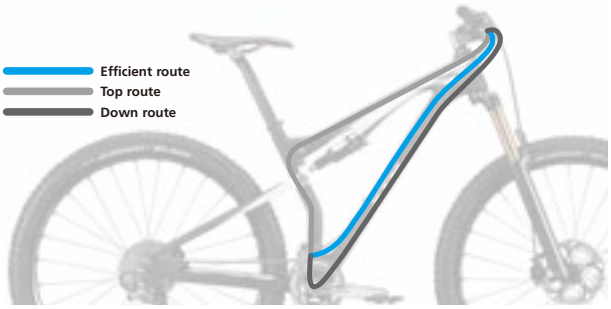


SW-M9050

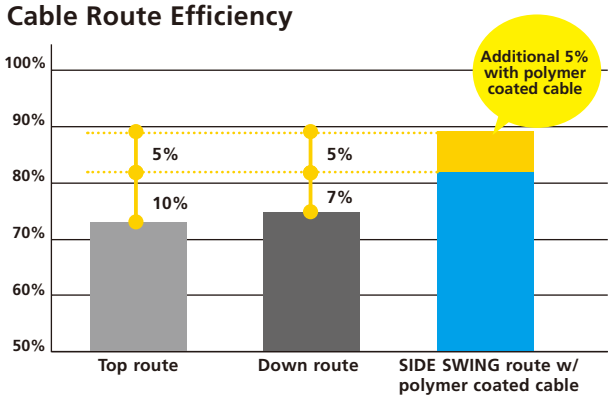
SIDE SWING Front Derailleur

- Horizontal movement follows the chain direction
- Smooth & efficient front shifting effort

Improved Routing Efficiency

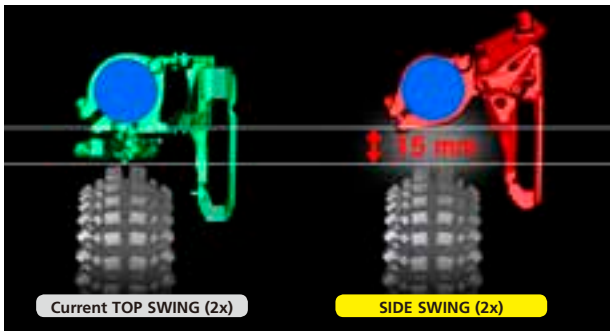


Cable Route Efficiency



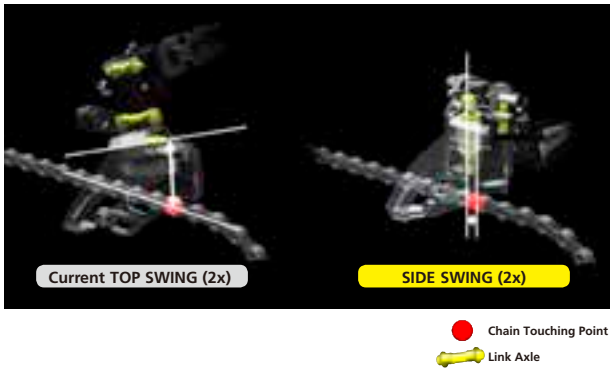
More tire clearance for larger wheels

•No linkage behind seat tube
•Freedom to reduce chainstay length

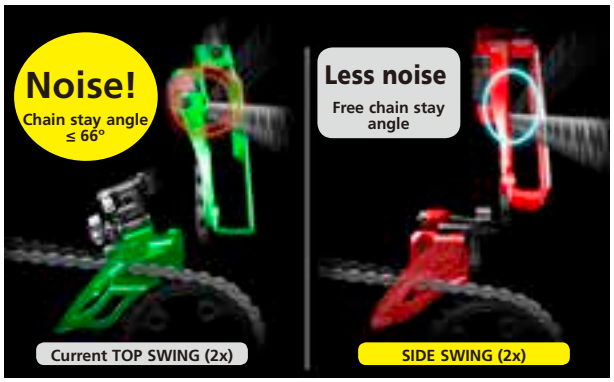


Added design flexibility shorter chainstays improve bike control

50% More Powerful Outward Shifting (FD-M9020)



Wider Chainstay Angle Increases Traction Range (FD-M9020)



SMART CAGE

The use of 13 and 15-tooth pulleys allows for a shorter chain cage that can still handle MEGARANGE gearing, wide ratio gearing and 34-tooth sprockets.
The SMART CAGE pulley plate not only looks better on the bike, it also provides the added benefit of more ground clearance.

Equipped: ALTUS/ TOURNEY A070



RD-M310

TAP FIRE Plus

Intuitive shifting operation & natural finger movement with ergonomic lever shape for stress free long riding

Equipped: ALIVIO/ACERA

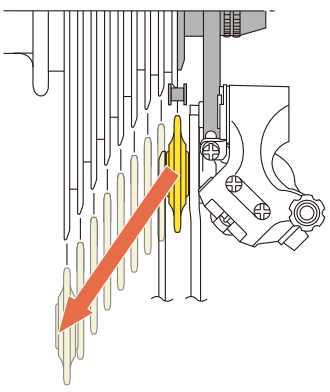


ST-T4000

Top Normal

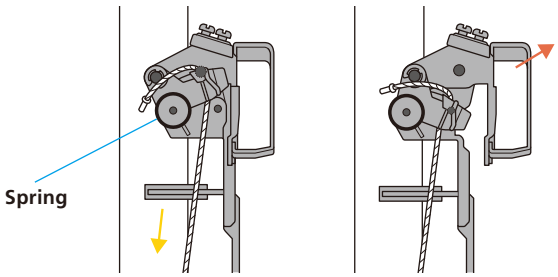
Top normal rear derailleurs are traditionally sprung derailleurs. RAPIDFIRE PLUS users tend to prefer the increased reaction time of top normal rear derailleurs because they downshift more gears faster. Riders who prioritize the need to react quickly further appreciate the ability to make inward shifts with the thumb, the strongest of all fingers.

Quick shifting:
Inward shifting with thumb.
Shifting can be completed swiftly.



TOP SWING Front Derailleur

Because the moving pivot section is set at a higher position and combined with a shorter link, the rigidity is higher; so quick and light shifting is possible.



Wheel-Type Pulley

TOURNEY rear derailleurs use a rotating cable guide pulley that reduces cable friction. The result is a lighter and more responsive shifting action.

Equipped: TOURNEY



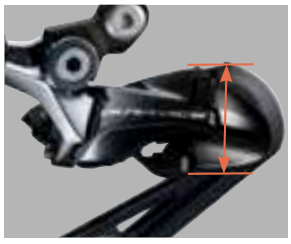
RD-TY500

Wide Link

The wide pivot link design boosts strength and rigidity. Especially for DURA-ACE, ULTEGRA and 105, the inner link as well as the right link is widened to add more rigidity. Flex is suppressed, creating sharp, precise shifts that are faster and smoother, even from low to high gears while off the saddle.



FD-R9100 outer link



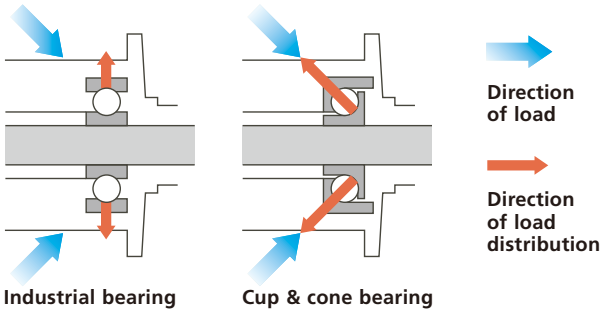
RD-R9100 outer link

Wheel system

Cup & Cone Bearing

Angular contact bearings of the cup & cone type offer greater strength than sealed cartridge industrial bearings due their ability to displace lateral and vertical loads more effectively for super smooth rotation and longer durability. Angular contact bearings also allow easier maintenance, adjustability and serviceability.

Comparison of load distribution

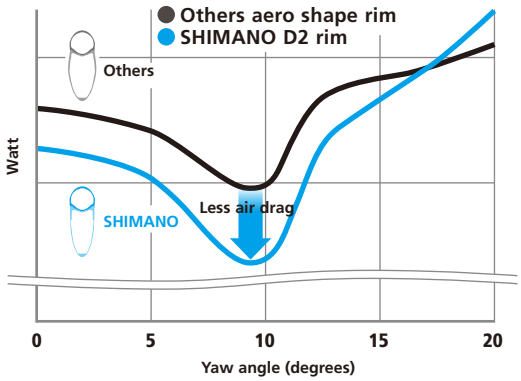


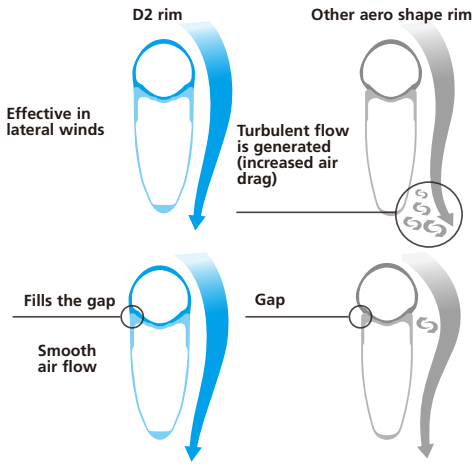


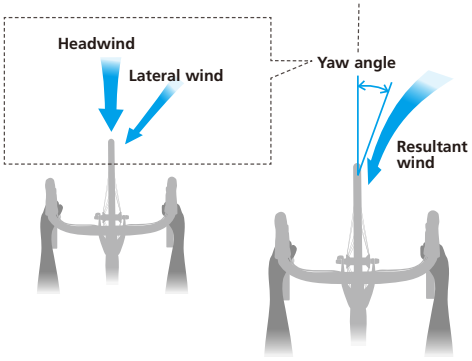
D2 Rim

Aerodynamic performance is affected by wind direction. To create the D2 rim, SHIMANO engineers considered both frontal and cross winds, aiming to achieve optimal performance in real-world riding conditions. Extensive prototype testing, in the wind-tunnel and on the road, proved that a wide rim shape with a deep tire bed performs best across a wide range of conditions. At yaw angles ranging from 0 to 15 degrees, the SHIMANO D2 rim profile reduces air drag better than others aero shape rims. This rim design also boosts lateral wheel stiffness and offers improved vertical compliance for increased control, comfort and durability on the road.

Equipped: DURA-ACE







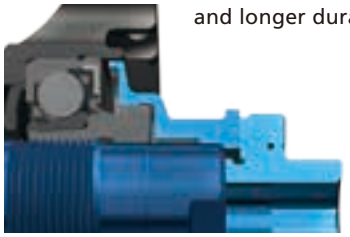
Digital Cone Bearing Adjustment System

The digital bearing adjustment system allows easier maintenance, simple adjustability and serviceability. Based on a digital adjustment without a double lock, a 5 mm hex wrench is all that is required to make a precise bearing adjustment.



Reduced Axial force

SHIMANO's axle system is designed to disperse quick release tension; bearing-load is unaffected for smooth spinning and longer durability.



Compression force

E-THRU Axle

The tool-less type thru-axle skewer system optimizes rigidity and weight balance and enables easy operation with a reliable internal cam mechanism. The 15 mm thru-axle system is 15% stiffer torsionally and 25% stiffer in transverse shear than a traditional 9 mm quick release front axle system. High rigidity is secured while keeping the optimum weight balance. The E-THRU axle hub system minimizes the distortion of suspension while maintaining lightweight for riding around sharp corners at high speed.
An 8 mm thru-axle system for the trekking/hybrid hub and dynamo hub and a 12 mm thru-axle system for the rear are also available.



HB-M9010





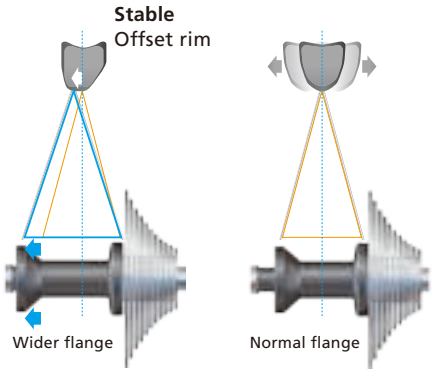
FH-M9010



Wide Flange

SHIMANO's wide flange increases the triangulation base between the two hub flanges and the rim, thus maximizing lateral rigidity. With a reduced spoke angle on the cassette side this design provides increased lateral rigidity and more uniform spoke tension on the drive and non-drive sides. Wheels equipped with this flange deliver class-leading torsional and lateral rigidity and offer boosted power-transfer efficiency.

Equipped: WH-RS500/WH-RS11/WH-RS010/WH-RX830



OPTBAL

The OPTBAL rear wheel spoke system features 21 spokes—14 on the drive side and 7 on the non-drive side. Cassette spacing in today's wheels produces unbalanced tension in traditional 1:1 spoke systems. This unbalance is intensified with the 11-speed cassette, producing nearly double the tension on the drive side spokes. Generally high and low tension spokes have respectively tendency toward breaking down and coming loose spoke nipples. Unbalanced tension affects durability and strength. The OPTBAL design rebalances spoke tension, enhancing wheel rigidity and strength for a more durable wheel.

Equipped: DURA-ACE, WH-RS700, WH-RS770, WH-RS330



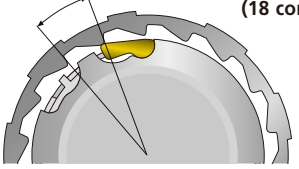
7:14 OPTBAL

10:10 NORMAL WHEEL

Quick Engagement

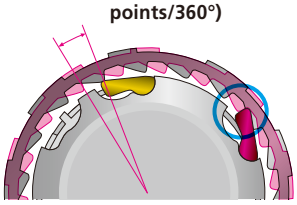
SHIMANO's rear road wheels and hubs are equipped with 18/16 notches for quick engagement.
In contrast to road racing, MTB XC tracks have many sharp turns and steep hills, where quick engagement is essential. SHIMANO has improved the rear hubs of its high end MTB group sets and wheels and equipped them with 18/16 notches and two sets of pawls to double the engagement and optimize traction.

Free pedal travel degree 20° : 18 notches (18 contacts points/360°)

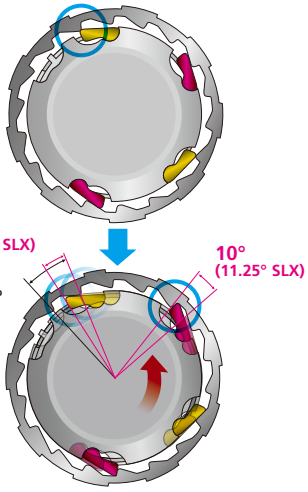


Road FH/wheels

Free pedal travel degree 10° (XTR, SAINT, DEORE XT) : 18 notches (36 contacts points/360°)
11.25° (SLX) : 16 notches (32 contacts points/360°)



MTB FH/wheels
Quick engagement



Braking Performance for All Types of Cycling
— SHIMANO's Braking System Concept

Help Customers Select the Appropriate Braking System for Their Intended Use and Skill Level

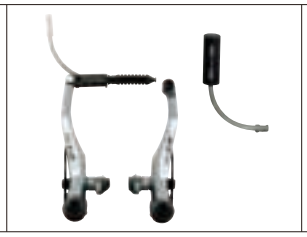
SHIMANO offers several braking systems to meet your customers' intended use and skill level. To help consumers enjoy their bicycles with maximum safety, consumers should consult SHIMANO dealers in selecting an appropriate SHIMANO braking system. A SHIMANO braking system delivers the highest level of braking performance and appropriate braking systems for a variety of cycling uses - from road and MTB racing to casual recreational riding. In addition, it is important to note that the braking performance can vary depending on rider's weight, skill and hand size; thus it is essential for consumers to consider all aspects when selecting the most appropriate braking system.

SHIMANO's Development of Braking Systems

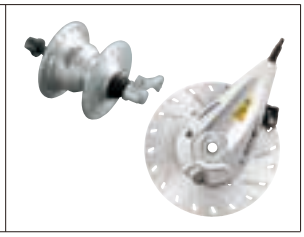
SHIMANO has developed braking systems that can provide a strong and responsive braking force appropriate for skilled and experienced road and MTB racers. In addition, SHIMANO offers a braking system that helps with modulation when braking, which is more suitable for less experienced riders who use their bicycles for general cycling enjoyment or recreation. It is important that consumers understand the various features of these braking systems so that they select a SHIMANO braking system that is appropriate for their skill level and intended use.



Hydraulic disc brake



POWER MODULATOR unit (SM-PM70) and V-BRAKE



Roller brake with POWER MODULATOR system

Sporty Braking System for Experienced Cyclists

SHIMANO has developed a linear response braking system that provides the experienced cyclist with a stronger braking force. This linear response braking system, the SHIMANO M SYSTEM, with its multi-condition brake "pads," is incorporated into the SHIMANO V-BRAKE, which boasts a strong, yet controlled and stable braking force. The SHIMANO M SYSTEM is our dedicated brake system for the MTB and offers strong stopping power in any condition, dry or wet environment.

SHIMANO's Easy-to-Use Brake System for Novice and Recreational Riders

For novice and recreational cyclists, SHIMANO offers easy-to-use braking system, incorporating the POWER MODULATOR for front brakes. The system features easy-to-use four-finger brake lever design, compatible V-BRAKES, cable disc brakes and roller brakes. The POWER MODULATOR helps manage braking by moderating excessive lever pull by the rider.

Choose a brake system that will provide appropriate brake performance for user's intended usage

It is important for your customer to understand that there are different types of SHIMANO brake systems with various levels of braking performances and capabilities. Your customer should consider the most appropriate brake system for their intended usage by consulting their local SHIMANO dealer.

LIFESTYLE GEAR

SYSTEM ENGINEERED TO INTEGRATE AND WORK FLAWLESSLY AS YOU RIDE.

We've heard the perfect ride described as "having no chain." The truth is, on a perfect ride, everything disappears. There's nothing left but rider, nature, and the connection that comes from perfect harmony.

It's technologically advanced apparel, eyewear, bags and footwear that have been system engineered to integrate and work flawlessly as you ride. Fusion Concept elevates performance, increases confidence and enhances enjoyment. It's SHIMANO technology with a human touch.

For nearly a century our mission has been to bring innovation, performance, comfort, safety and a better ride to every cyclist, every day. And then? Our goal is to make it all disappear.



SHIMANO SPORT CAMERA

Capture the moment as you image



CM-2000

Wi Fi ANT+ Bluetooth



CM-1100

Wi Fi ANT+

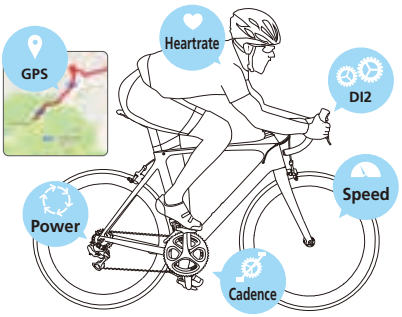
Data-Linked Recording



Just focus on riding.

Start recording without touching any buttons!

Link SHIMANO SPORT CAMERA with various ANT+ sensors and DI2 wireless unit and pre-set the value range to automatically record. You can program to record only the scenes that you want without reaching for the camera keeping you focused on the ride.



6 types of linkable data

Accessories

Helmet mount

CM-MT00



This mount is fixed on a helmet, and the angle of vertical rotation can be adjusted.
Mount B for a full-face helmet is also enclosed.

Contents



Low profile helmet mount

CM-MT07



The mount height is lower than CM-MT00 and it is the angle fixed type.

Contents



Goggle mount

CM-MT08



This mount can rotate up to 360°, enabling free angle adjustment.
The applicable goggle strap width is 45 mm or less.

Contents



Chest mount

CM-MT03



This mount is fixed in front of the chest and suitable for MTB on which the rider sits upright.
The waist belt length is 680 mm - 1140 mm.

Contents

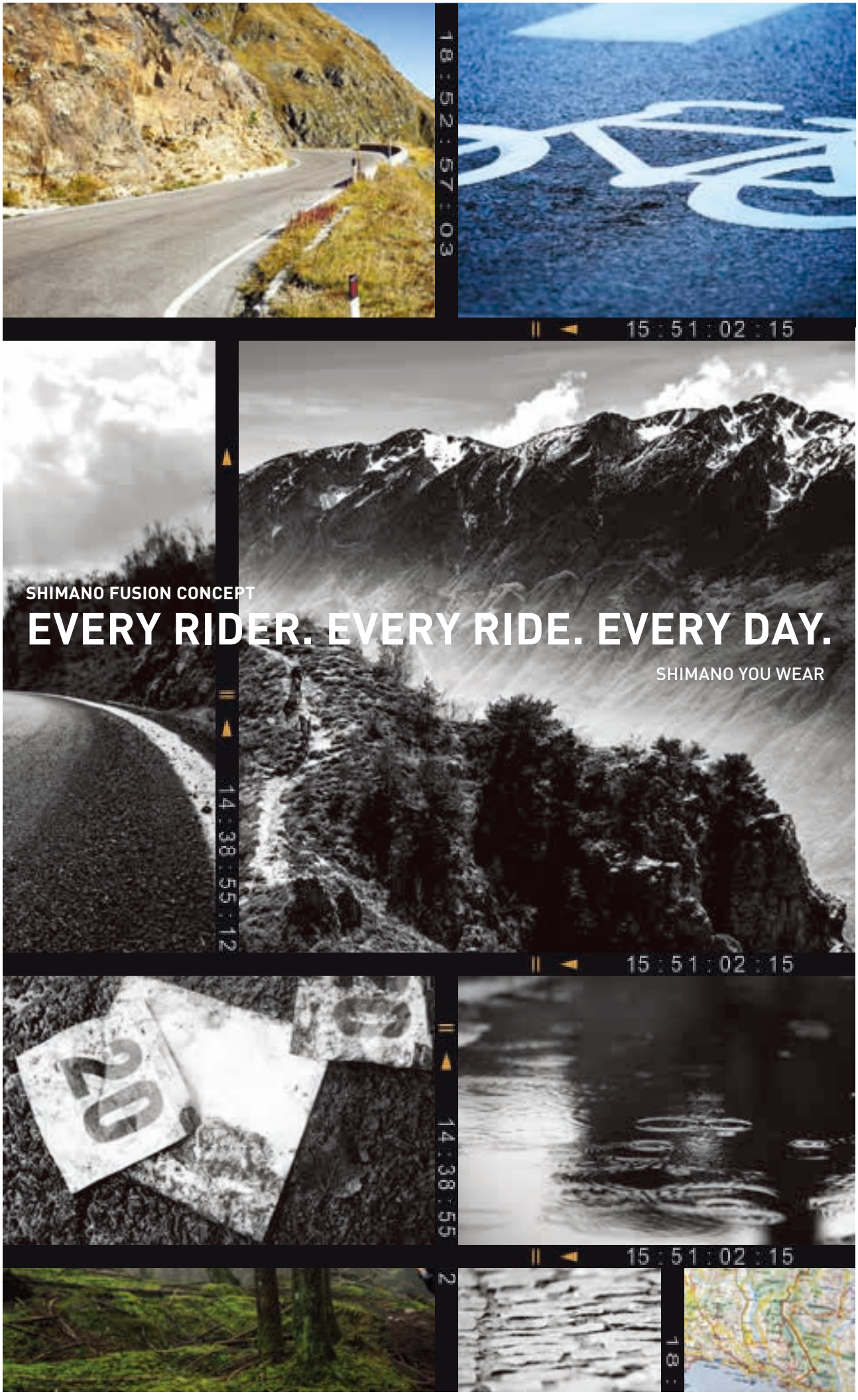


Product Specifications

Model Number	CM-2000	CM-1100
Image sensor		
Image sensor	1/2.3 back illuminated CMOS sensor	1/2.3 back illuminated CMOS sensor
Pixel gross	20M pixels	20M pixels
Lens		
Aperture	F2.4	F2.0
Camera		
Media type	Micro SD/SDHC/SDXC up to 128G	Micro SD/SDHC/SDXC up to 128G
Video recording mode	2560 x 1440 30fps, 1920 x 1080 60/30fps, 1280 x 720 120/60/30fps, 640 x 360 240/120/60/30fps,	2560 x 1440 30fps, 1920 x 1080 60/30fps, 1280 x 720 120/60/30fps, 640 x 360 240/120/60/30fps,
Still image mode	JPEG	JPEG
Still image size	Single mode : 6M pixels (2848 x 2136), 4M pixels (2304 x 1728), 0.35M pixels (6480 x 480) Burst mode : 4M pixels (2304 x 1728) Interval mode : 4M pixels (2304 x 1728)	Single mode : 6M pixels (2848 x 2136), 4M pixels (2304 x 1728), 0.35M pixels (6480 x 480) Burst mode : 4M pixels (2304 x 1728) Interval mode : 4M pixels (2304 x 1728)
Auto Rec	Yes (ANT+ sensors, GPS data from smartphone)	Yes (ANT+ sensors)
System		
Wi-Fi	802.11 b/g/n	802.11 b/g/n
Bluetooth®LE	Yes	No
ANT+ connectivity	ANT+ / ANT Private	ANT+ / ANT Private
Compatible ANT+ sensor type	Speed, cadence, power, heart rate	Speed, cadence, power, heart rate

Model Number	CM-2000	CM-1100
System		
Compatible ANT Private device	DI2 wireless unit SM-EWW01/EW-WU101/EW-WU111/ SC-M9051/SC-MT800	DI2 wireless unit SM-EWW01/EW-WU101/EW-WU111/ SC-M9051/SC-MT800
Battery type	700 mAh (removable Li-ion battery)	950 mAh
Recordable Time	Approximately 1.2 hours (Full HD 60fps)	Approximately 1.5 hours (Full HD 60fps)
Dimensions (W x H x D)	47 x 32 x 85 mm (with lens protector)	44 x 34 x 70 mm (with Super wide angle lens protector)
Weight	103 g (with battery)	89 g
Waterproof	IPX8 (30m/1h)	IPX8 (18m/1h)
Supplied accessories		
	lens protector (1), Mount A (1), Mount B (1), Screw (1), Double-sided tape (2), Strap (1), Rubber (1), Leash (1), User's manual, Lens cap (1), USB cable (1), Li-ion battery (1)	Standard lens protector (1), Super wide angle lens protector (1), Mount A (1), Mount B (1), Screw (1), Double-sided tape (2), Strap (1), Rubber (1), Leash (1), User's manual, USB cable (1)
Wireless Remote Controller		
Not included	ST-R9170/R9150/9070 + SM-EWW01/ EW-WU101/EW-WU111/SC-M9051/ SC-MT800	ST-R9170/R9150/9070 + SM-EWW01/ EW-WU101/EW-WU111/SC-M9051/ SC-MT800

>>>http://www.shimano-sportcamera.com


SHIMANO FUSION CONCEPT
EVERY RIDER. EVERY RIDE. EVERY DAY.
SHIMANO YOU WEAR

EYEWEAR

>>> http://www.shimano-lifestylegear.com



EYEWEAR DESIGNED FOR RIDERS, BY RIDERS

S71R

THE SUPERLATIVE MODEL FOR LONG DISTANCE COMFORT, AND WIDE ANGLE OF VISION

FRAME
- Simple frame design with a focus on lightweight and optimal fitting
- Fitting can be adjusted with a reversible nose pad, which has a different thickness in the front and back sections
- Lightweight, strong, and durable Grilamid TR90 material
- CNC molding for ultimate precision, symmetry, and quality
- Dual-injection molded non-toxic TPE temple tips

LENSES
- Single-lens design offers a wide angle of vision and excellent protection
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- HYDROPHOBIC coating to increase water-repellency and stay lenses cleaner
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch, which can also be used for cleaning lenses
- Includes extra-large nose pad

HP

REFERENCE WT.
25.9 g



S71R-PH

PH



MAT LIME YELLOW/MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear



MAT METALLIC BLUE/MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear



BLACK/SILVER
Lens: Photochromic D gray
Spare lens: Clear



MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear

S71R-PL

PL



MAT LIME YELLOW/MAT BLACK
Lens: Polarized D gray red MLC
Spare lens: Clear

S61R

AERO DESIGN INSPIRED FROM THE AIR-INTAKE OF AIRCRAFT

FRAME
- Simple frame design with a focus on lightweight and optimal fitting
- Fitting can be adjusted with a reversible nose pad, which has a different thickness in the front and back sections
- Lightweight, strong, and durable Grilamid TR90 material
- CNC molding for ultimate precision, symmetry, and quality
- Dual-injection molded non-toxic TPE temple tips

LENSES
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- HYDROPHOBIC coating to increase water-repellency and stay lenses cleaner longer
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch, which can also be used for cleaning lenses
- Includes extra-large nose pad

HP

REFERENCE WT.
26.0 g



S61R-PH

PH



MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear



MAT LIME YELLOW
Lens: Photochromic D gray
Spare lens: Clear



MAT NAVY
Lens: Photochromic D gray
Spare lens: Clear

SPARK

PANORAMIC ONE-PIECE LENS OFFERS GREAT PROTECTION. GREAT ALL-ROUND CYCLING PERFORMANCE.

NEW

FRAME
- New single lens design was co-developed with Team LottoNL-Jumbo
- Fast, lightweight, and with added wide-view vision
- Fitting can be adjusted with a reversible nose pad, which has a different thickness in the front and back sections
- CNC molding for ultimate precision, symmetry, and quality
- Dual injection molded, non-toxic TPE, non-slip temple tips

LENSES
- Single-lens design for a wide angle of vision and protection
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- Hydrophobic coating increases water-repellency, keeps lenses cleaner
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch can be used for lens cleaning
- Includes extra-large nose pad

REFERENCE WT.
30.2 g



SPARK-PH



MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear



LIME YELLOW
Lens: Photochromic D gray
Spare lens: Clear



METALLIC WHITE
Lens: Photochromic D gray
Spare lens: Clear

SPARK-PL



MAT BLACK
Lens: Polarized D gray red MLC
Spare lens: Clear



LIME YELLOW
Lens: Polarized D gray red MLC
Spare lens: Clear

SPARK-ML/MR



MAT BLACK
Lens: Smoke Silver Mirror
Spare lens: Clear



METALLIC WHITE
Lens: Smoke red MLC
Spare lens: Clear



MAT OLIVE
Lens: Smoke Silver Mirror
Spare lens: Clear

AEROLITE

FRAMELESS DESIGN CO-DEVELOPED WITH LOTTONL-JUMBO IS THE CHOICE FOR SPEED LOVERS.

NEW

FRAME
- Minimalist frame design focuses on lightweight, optimal fit, and wide view
- Fitting can be adjusted with a reversible nose pad, which has a different thickness in the front and back sections
- Lightweight, strong, and durable Grilamid TR-90 material
- CNC molding for ultimate precision, symmetry, and quality
- Comfortable, adjustable temples
- Dual-injection molded, non-toxic TPE temple tips

LENSES
- Single-lens design for a wide angle of vision and protection
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- Hydrophobic coating increases water-repellency, keeps lenses cleaner
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch can be used for lens cleaning
- Includes extra-large nose pad

REFERENCE WT.
28.3 g



AEROLITE-ML/MR



GLOSS BLUE
Lens: Smoke blue MLC
Spare lens: Clear



VELOCITY YELLOW
Lens: Smoke red MLC
Spare lens: Clear



RED
Lens: Smoke red MLC
Spare lens: Clear



MAT BLACK
Lens: Smoke Silver Mirror
Spare lens: Clear



METALLIC WHITE
Lens: Smoke red MLC
Spare lens: Clear

AEROLITE-PL



GLOSS BLUE
Lens: Polarized D gray red MLC
Spare lens: Clear



VELOCITY YELLOW
Lens: Polarized D gray red MLC
Spare lens: Clear

EQUINOX

NEW

PRO-LEVEL PERFORMANCE CYCLING EYEWEAR LOADED WITH FEATURES.

FRAME
- Lightweight, strong and durable Grilamid TR-90 material
- Race-style design with wide-view protection
- Dual injection molded, non-toxic TPE, non-slip temple tips
- Comfortable and adjustable large nose-pad
- RX clip compatible

LENSES
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- Hydrophobic coating increases water-repellency, keeps lenses cleaner
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch can be used for lens cleaning

HP

REFERENCE WT. 26.3 g



EQUINOX-PH

PH



MAT BLACK
Lens: Photochromic D gray
Spare lens: Clear



MAT LIME YELLOW
Lens: Photochromic D gray
Spare lens: Clear



METALLIC BLUE
Lens: Photochromic D gray
Spare lens: Clear



MAT NAVY
Lens: Photochromic D gray
Spare lens: Clear



METALLIC WHITE
Lens: Photochromic D gray
Spare lens: Clear

EQUINOX-PL

PL



MAT BLACK
Lens: Polarized D gray red MLC
Spare lens: Clear



MAT LIME YELLOW
Lens: Polarized D gray red MLC
Spare lens: Clear

EQUINOX-ML/MR 2 Spare Lenses

ML MR



MAT BLACK
Lens: Smoke Silver Mirror
Spare lens: Clear/Orange



METALLIC WHITE
Lens: Smoke red MLC
Spare lens: Clear/Orange

SOLSTICE

NEW

LIGHTWEIGHT CYCLING EYEWEAR WITH THE SAME HIGH-QUALITY LENSES AS OUR HIGHER-END MODELS.

FRAME
- New lightweight dual-lens style with improved view and protection
- Sleek design with precision, symmetry, and quality
- Dual injection molded, non-toxic TPE, non-slip temple tips
- Comfortable and adjustable large nose-pad
- RX clip compatible

LENSES
- Strong, rigid, and lightweight Polycarbonate lens
- Full UV400 protection
- Hydrophobic coating increases water-repellency, keeps lenses cleaner
- Special anti-scratch treatment
- Interchangeable lens

PACKAGE
- Travel box
- Eyewear pouch can be used for lens cleaning

HP

REFERENCE WT. 25.5 g



SOLSTICE-PH

PH



LIGHT BLUE
Lens: Photochromic D gray



METALLIC WHITE
Lens: Photochromic D gray



MAT BLACK
Lens: Photochromic D gray

SOLSTICE-ML/MR

ML MR



LIGHT BLUE
Lens: Smoke blue MLC
Spare lens: Clear



METALLIC WHITE
Lens: Smoke Silver Mirror
Spare lens: Clear



MAT BLACK
Lens: Smoke Silver Mirror
Spare lens: Clear

S71X

WIDER VIEW, BETTER PROTECTION, AND GREATER ADJUSTABILITY. FOR AGGRESSIVE TRAIL RIDING

FRAME
· Lightweight, strong, and durable Grilamid TR90 material
· CNC molding for ultimate precision, symmetry, and quality
· Dual injection molded non-toxic TPE temple tips
· Lens angle adjuster (up to 16 degrees)
· Comfortable adjustable medium size nose-pad
· Comfortable adjustable temples
· RX clip compatible

LENSES
· Strong, rigid, and lightweight Polycarbonate lens
· Full UV400 protection
· HYDROPHOBIC coating to increase water-repellency and stay lenses cleaner
· Special anti-scratch treatment
· Interchangeable lens

PACKAGE
· Travel box
· Eyewear pouch, which can also be used for cleaning lenses



REFERENCE WT.
33.7 g



S71X-PH

PH

NEW COLOR



MAT NAVY
Lens: Photochromic gray
Spare lens: Clear

NEW COLOR



MAT METALLIC ORANGE
Lens: Photochromic gray
Spare lens: Clear

NEW COLOR



MAT BLACK
Lens: Photochromic gray
Spare lens: Clear

S51X

ENHANCED AIRFLOW, PROTECTION, AND A PANORAMIC VIEW

FRAME
· Lightweight, strong, and durable Grilamid TR90 material
· CNC molding for ultimate precision, symmetry & quality
· Dual injection molded non-toxic TPE temple tips
· Comfortable adjustable medium nose-pad
· RX clip compatible

LENSES
· Strong, rigid, and lightweight Polycarbonate lens
· Full UV400 protection
· HYDROPHOBIC coating to increase water-repellency and stay lenses cleaner
· Special anti-scratch treatment
· Interchangeable lens

PACKAGE
· Travel box
· Eyewear pouch, which can also be used for cleaning lenses



REFERENCE WT.
35.5 g
36.8 g Mat sand/Digital Camo



S51X-PH

PH



BLACK/METALLIC BLUE
Lens: Photochromic Clear
Spare lens: Yellow



RED
Lens: Photochromic Clear
Spare lens: Yellow



MAT BLACK
Lens: Photochromic Clear
Spare lens: Yellow



MAT SAND/DIGITAL CAMO
Lens: Photochromic Clear
Spare lens: Yellow

S51X-MR 2 Spare Lenses

MR



MAT BLACK
Lens: Smoke orange mirror
Spare lens: Clear/Orange

PULSAR

STREET-SAVVY EYEWEAR IDEAL FOR RIDING, WALKING, OR JUST ABOUT ANY ACTIVITY UNDER THE SUN.

NEW

REFERENCE WT.
27.6 g



FRAME
· Lightweight, strong and durable Grilamid TR-90 material
· CNC molding for ultimate precision, symmetry, and quality
· Dual injection molded, non-toxic TPE, temple tips

LENSES
· Strong, rigid ,and lightweight Polycarbonate lens
· Full UV400 protection
· Hydrophobic coating increases water-repellency, keeps lenses cleaner
· Special anti-scratch treatment

PACKAGE
· Eyewear pouch can be used for lens cleaning

PULSAR-PH



MAT OLIVE
Lens: Photochromic D gray



MAT WHITE
Lens: Photochromic D gray



MAT BLACK
Lens: Photochromic D gray

PULSAR-ML/MR



MAT OLIVE
Lens: Smoke Silver Mirror



MAT WHITE
Lens: Smoke Silver Mirror



MAT BLACK
Lens: Smoke Silver Mirror



ORANGE
Lens: Smoke red MLC



MAT NAVY
Lens: Smoke Silver Mirror

METEOR

TIMELESS AVIATOR STYLE FOR RIDING AROUND TOWN OR RELAXING AFTER A RACE.

NEW

REFERENCE WT.
26.2 g



FRAME
· Lightweight, strong and durable Grilamid TR-90 material
· CNC molding for ultimate precision, symmetry, and quality
· Dual injection molded, non-toxic TPE, temple tips

LENSES
· Strong, rigid, and lightweight Polycarbonate lens
· Full UV400 protection
· Hydrophobic coating increases water-repellency, keeps lenses cleaner
· Special anti-scratch treatment

PACKAGE
· Eyewear pouch can be used for lens cleaning

METEOR



CRESCENT MOON
Lens: Smoke Silver Mirror



TORTOISE FADE
Lens: Smoke Orange Mirror



MAT BLACK
Lens: Smoke Silver Mirror

SQUARE

NEW

CONTEMPORARY DESIGN WITH PERFORMANCE FEATURES FOR CASUAL RIDING OR EVERYDAY LIFE.

REFERENCE WT.
27.7 g

FRAME
· Lightweight, strong and durable Grilamid TR-90 material
· CNC molding for ultimate precision, symmetry, and quality
· Dual injection molded, non-toxic TPE, temple tips

LENSES
· Strong, rigid, and lightweight Polycarbonate lens
· Full UV400 protection
· Hydrophobic coating increases water-repellency, keeps lenses cleaner
· Special anti-scratch treatment

PACKAGE
· Eyewear pouch can be used for lens cleaning



MR

SQUARE



DAYBREAK
Lens: Smoke Silver Mirror



MIDNIGHT
Lens: Smoke Silver Mirror



TRANSPARENT GRAY
Lens: Smoke Silver Mirror

TOKYO

NEW

CLASSIC CASUAL STYLE WITH FEATURES THAT PERFORM ON OR OFF THE BIKE.

REFERENCE WT.
30.3 g

FRAME
· Lightweight, strong and durable Grilamid TR-90 material
· CNC molding for ultimate precision, symmetry, and quality
· Dual injection molded, non-toxic TPE, temple tips

LENSES
· Strong, rigid, and lightweight Polycarbonate lens
· Full UV400 protection
· Hydrophobic coating increases water-repellency, keeps lenses cleaner
· Special anti-scratch treatment

PACKAGE
· Eyewear pouch can be used for lens cleaning



MR

TOKYO-MR



BLACKLAYERED
Lens: Smoke Silver Mirror



SUNSET FADE
Lens: Smoke Silver Mirror



BROWN TORTOISE
Lens: Smoke Orange Mirror



EMERALD FADE
Lens: Smoke Orange Mirror



GLOSS BLUE
Lens: Smoke Silver Mirror

RX-CLIP

The RX-optimal clip transforms the standard EQNX3, EQX2, SLTC1, S71X, S51X into a prescription-ready sport frame. The clip attaches close to the lens for an optimized fit.

FRAME

· Lightweight, strong, bendable and durable steel wire-frame
· Easy to fit on the metal nosepiece
· Compatible with EQNX3, EQX2, SLTC1, S71X, S51X

PACKAGE

· Eyewear pouch, also to be used for lens-cleaning
· Dummy-lenses included



BAG

>>> http://www.shimano-lifestylegear.com

YOU DON'T CARRY
SHIMANO BAGS,
YOU WEAR THEM



PERFORMANCE BAGS

UNZEN

THE UNZEN IS YOUR PARTNER FOR MULTI-DAY BIKEPACKING ADVENTURES. TAKE EVERYTHING YOU NEED, WITH FIT AND STABILITY THAT MAKES IT ALL BUT DISAPPEAR.

The UNZEN 4 ENDURO is specifically designed for the demands of all-mountain competition. With the updated X-HARNESS system, it's the secure off-road race pack in the market. Comfortable during high-exertion activities, it also holds a day's worth of gear. The trail-specific mesh back pad keeps you cool and dry all day long.

UNZEN 2

LEAN AND MEAN, THIS 2-LITRE DAYPACK IS DESIGNED TO HANDLE FAST OFF-ROAD RIDING ON CHALLENGING MOUNTAIN TERRAIN.

UNZEN 6

DESIGNED FOR ADVENTUROUS OFF-ROAD RIDING WHERE YOU NEED TO BRING MORE GEAR, THE 6-LITRE PACK ACCOMMODATES CHALLENGING OFF-ROAD TERRAIN.

UNZEN 10

THE 10-LITRE UNZEN HAS THE CAPACITY TO TAKE EXTRA EQUIPMENT FOR CHANGING CONDITIONS. EASY ACCESS AND ADJUSTMENT MAKE THE UNZEN A TOP CHOICE FOR OFF-ROAD GEAR HAULING.

UNZEN 14

THE UNZEN 14-LITRE IS YOUR PARTNER FOR MULTI-DAY BIKEPACKING ADVENTURES. TAKE EVERYTHING YOU NEED, WITH FIT AND STABILITY THAT MAKES IT ALL BUT DISAPPEAR.





CAPACITY
2 L
MODEL CODE
· BG-DPMA-Q202U
(w/ 2 L reservoir)



CAPACITY
6 L
MODEL CODE
· BG-DPMA-QW06U
· BG-DPMA-Q206U
(w/ 2 L reservoir)



CAPACITY
10 L
MODEL CODE
· BG-DPMA-QW10U
· BG-DPMA-Q310U
(w/ 3 L reservoir)



CAPACITY
14 L
MODEL CODE
· BG-DPMA-QW14U
· BG-DPMA-Q314U
(w/ 3 L reservoir)

Capacity	Weight	Color		
2 L	380 g	AEGEAN BLUE	BLACK	NEW COLOR OLIVE GREEN
6 L	780 g	AEGEAN BLUE	BLACK	NEW COLOR OLIVE GREEN
10 L	820 g	AEGEAN BLUE	BLACK	NEW COLOR OLIVE GREEN
14 L	920 g	AEGEAN BLUE	BLACK	NEW COLOR OLIVE GREEN

FLEECE POCKET
This fleece-lined pocket safely stores your belongings.

ORIGINAL-DESIGN HELMET HOLDER
A specially designed storage section stretches to accommodate a full-face helmet.

HI-VIZ RAIN COVER
A brightly-colored waterproof rain cover can be stowed when not in use.
Only available in the
6 L, 10 L and 14 L.

FLEXIBLE GEAR STORAGE
Choose how you organize your gear with a number of adjustable storage options.

SCULPTED AIR MESH BACK PANEL
Air mesh padding facilitates rapid heat removal.

HYDRATION RESERVOIR COMPATIBLE
Dedicated hydration section frees up space in the main compartment while also making it easy to take out and refill your hydration pack.



Rain cover
for 6 L, 10 L, 14 L (Except 2 L)



With reservoir option available

SHIMANO FUSION CONCEPT

For more information download the SHIMANO FUSION CONCEPT App

UNZEN 4 ENDURO

WITH A 3D BODY-FITTING DESIGN AND STABILIZING WAIST BELT, THE LIGHTWEIGHT 4-LITRE ENDURO RACEPACK MEETS THE DEMANDS OF OFF-ROAD RACING.

The UNZEN 4 ENDURO is specifically designed for the demands of all-mountain competition. With the updated X-HARNESS system, it's the secure off-road race pack in the market. Comfortable during high-exertion activities, it also holds a day's worth of gear. The trail-specific mesh back pad keeps you cool and dry all day long.





CAPACITY
4 L
MODEL CODE
· BG-DPMF-QW04U
· BG-DPMF-Q204U
(w/ 2 L reservoir)



CAPACITY
4 L
MODEL CODE
· BG-DPMF-RW04U
· BG-DPMF-R204U
(w/ 2 L reservoir)

Capacity	Weight	Color
4 L	740 g	BLACK
4 L	800 g	NEW COLOR CAMO





With reservoir option available



CAMO LOOK AND TOUGHNESS
Camo fabric not only looks cool, it acts tough.

FLEECE POCKET
This fleece-lined pocket safely stores your belongings.

FULL-FACE HELMET HOLDER
A specially designed storage section stretches to accommodate a full-face helmet.

EXTERNAL BOTTLE STORAGE
A dedicated place to store your drink bottle is located on the front exterior for easy access.

FLEXIBLE GEAR STORAGE
Choose how you organize your gear with a number of adjustable storage options.

GOGGLE/HELMET CLIP
This versatile clip allows you to attach your goggles or helmet securely to the bag.

SCULPTED AIR MESH BACK PANEL
Air mesh padding facilitates rapid heat removal.

HYDRATION RESERVOIR COMPATIBLE
Dedicated hydration section frees up space in the main compartment while also making it easy to take out and refill your hydration pack.

SHIMANO FUSION CONCEPT

For more information download the SHIMANO FUSION CONCEPT App

EXPLORER BAGS

HOTAKA

PACKING FOR A MULTI-DAY, WEEK OR MONTH LONG OFF-ROAD ADVENTURE? THE HOTAKA'S CAPACITY, ALL-DAY COMFORT AND EASY ADJUSTMENT SUPPORTS YOUR GEAR AND YOUR PASSION.

Designed for mountain touring, this hauler has the pedigree to perform. With load-spreading ergonomic curved harness, and a sculpted air mesh back panel, the HOTAKA has unmatched stability and ventilation.





CAPACITY
20 L
MODEL CODE
· BG-DPMG-QW20U



CAPACITY
26 L
MODEL CODE
· BG-DPMG-PW26U



CAPACITY
30 L
MODEL CODE
· BG-DPME-PW30U

Capacity	Weight	Color
20 L	900 g	NEW COLOR BLACK/RED
26 L	1080 g	NEW COLOR BLACK/RED
30 L	1320 g	NEW COLOR BLACK/RED

HI-VIZ RAIN COVER
A brightly-colored waterproof rain cover that can be stowed away in a pocket when not in use.

ELASTIC ARMOR HOLDER
Confidently secure your helmet and armor for quick and easy access.

ZIPPERED WAIST BELT POCKET
Securely stow and access gear without taking your pack off.

FLEECE POCKET
This fleece-lined pocket safely stores your belongings.

SCULPTED AIR MESH BACK PANEL
Air mesh padding facilitates rapid heat removal beneath your pack.

VENTILATED ERGOSTRAPS
Contoured and perforated straps reduce pressure on your shoulders while staying cool and dry.

HYDRATION RESERVOIR COMPATIBLE
Dedicated hydration section frees up space in the main compartment while also making it easy to take out and refill your hydration pack.

SHIMANO FUSION CONCEPT

For more information download the SHIMANO FUSION CONCEPT App

ROKKO

ON-ROAD OR OFF-ROAD?
HOW ABOUT BOTH. THE VERSATILE ALL-ROUND DAYPACK IS EQUALLY ADEPT AT HANDLING WEEKEND TRAIL RIDES AND WEEKDAY JAUNTS IN THE CITY.

Available in 8, 12 and 16-litre configurations, the ROKKO accommodates all-round carrying needs.
Add a hydration bladder and you have the optimal travel companion.



CAPACITY
8 L
MODEL CODE
· BG-DPMB-RW08U
· BG-DPMB-R208U
(w/ 2 L reservoir)



CAPACITY
12 L
MODEL CODE
· BG-DPMB-RW12U
· BG-DPMB-R312U
(w/ 3 L reservoir)



CAPACITY
16 L
MODEL CODE
· BG-DPMB-RW16U
· BG-DPMB-R316U
(w/ 3 L reservoir)



Rain cover only for 16 L



With reservoir option available



SLEEKER, MORE STYLISH DESIGN
Added style, functionality, comfort, and performance at high-value price points.

ORIGINAL-DESIGN HELMET HOLDER
A specially designed storage section stretches to accommodate a full-face helmet.

FLEECE POCKET
Soft lined pocket safely stores belongings.

HYDRATION RESERVOIR COMPATIBLE
Dedicated hydration compartment and convenient hydration tube holder.

VENTILATED ERGOSTRAPS
Contoured and perforated straps reduce pressure on your shoulders while staying cool and dry.

SCULPTED AIR MESH BACK PANEL
Air mesh padding facilitates rapid heat removal beneath
your pack.

ZIPPERED WAIST BELT POCKET
Securely stow and access gear without taking the pack off.



Capacity	Weight	Color			
8 L 12 L	455 g 490 g	NEW COLOR BLACK	NEW COLOR ESTATE BLUE	NEW COLOR OLIVE GREEN	NEW COLOR ROOIBOS ORANGE
16 L	560 g	NEW COLOR BLACK	NEW COLOR ESTATE BLUE	NEW COLOR OLIVE GREEN	

SHIMANO FUSION CONCEPT

For more information download the SHIMANO FUSION CONCEPT App

TOKYO

CRUISING DOWNTOWN, RIDING TO WORK OR SCHOOL, STROLLING THROUGH THE MARKET? THIS STYLISH AND FUNCTIONAL BAG IS ENGINEERED WITH FLEXIBILITY AND COMFORT TO ENHANCE YOUR URBAN TOURING EXPERIENCE.

Chances are you need to carry more than a few items with you on your commute, like computers, papers, books, chargers, cords, jackets and gym clothes. The TOKYO pack has a padded laptop pocket, document organizers and a virtual grid of accessory-storage pockets.





CAPACITY
17 L
MODEL CODE
· BG-DPCH-QW17U



CAPACITY
23 L
MODEL CODE
· BG-DPCH-PW23U



CAPACITY
23 L
MODEL CODE
· BG-DPCH-RW23U



SHIMANO FUSION CONCEPT

For more information download the SHIMANO FUSION CONCEPT App

Capacity	Weight	Color			
17 L	1060 g	NEW COLOR BLACK	GRAY	NEW COLOR MELANGE NAVY	NEW COLOR MELANGE PURPLE
23 L	1425 g	NEW COLOR JET-BLACK	NEW COLOR TITANIUM		
23 L	1385 g	NEW COLOR CAMO			

HI-VIZ RAIN COVER
A brightly colored waterproof rain cover that can be stowed away in a pocket when not in use.

360°HI-VIZ SYSTEM
Reflective elements are strategically placed around the pack to maximize rider visibility in low-light conditions.

WATER-RESISTANT TARPAULIN BASE
High-quality, tightly woven nylon provides superior abrasion resistance and all- weather gear protection.

DETACHABLE PANT CLIP
Detachable belt with reflective material is a functional pant clip. (Not available on T23 nor T23 Camo version).

ERGONOMIC BACK VENTILATION
Anatomically shaped back panel creates an air channel to remove heat and keep you comfortably cool.

VENTILATED ERGOSTRAPS
Contoured and perforated straps reduce pressure on your shoulders while staying cool and dry.

PADDED LAPTOP COMPARTMENT
This specially designed compartment provides a soft-lined storage space for a laptop or tablet PC.

23 L MATERIAL
Water-resistant
Ballistic Nylon.

23 L CAMO MATERIAL
Camo fabric not only looks cool, it acts tough.

17 L MATERIAL
Water-resistant
Lite Melange.

FOOTWEAR

>>> http://www.shimano-lifestylegear.com

THE RIGHT SHOE FOR
EVERY RIDER AND
EVERY RIDE



ROAD COMPETITION

RC9 S-PHYRE

THE PINNACLE OF ROAD COMPETITION FOOTWEAR FOR LONG DISTANCE COMFORT, AND EFFICIENCY

FEATURES

- Unified sole and upper construction sets a new level of fit, pedaling stability, rigidity and weight reduction
- Close to foot last shape with a narrow bottom, rounded heel and slim toe box
- Wide range fit adjustability accommodates various shapes of feet
- Dual independent Boa® IP1 dials allow quick and precise micro-adjustment
- Quick dry 3D mesh controls humidity
- Built in drainage holes for rainy conditions

SIZE

36, 37 - 47 in half sizes, 48
Wide type size: 36, 37 - 47 in half sizes, 48

12

243 g
(SIZE 42)

SPD SL

MICROFIBER SYNTHETIC LEATHER | EXTERNAL HEEL CUP | CARBON | HOLLOW CHANNEL
WIDER CLEAT ADJUSTMENT | ROAD | TT

BOA®

silvadur

SHIMANO DYNALAST



BEST MATCH
PD-R9100



BLUE
SH-RC900





WHITE
SH-RC900



YELLOW
SH-RC900

RC7

FULL-FEATURED LIGHT WEIGHT COMPETITION SHOE FOR OPTIMIZED COMFORT AND PEDALING PERFORMANCE

FEATURES

- Ultra-rigid, lightweight carbon fiber composite sole
- SHIMANO DYNALAST helps to reduce braking loss
- Boa® IP1 dials allow quick, micro tension adjustments
- Powerzone wire guide with front strap hold foot securely
- Lightweight and supple perforated synthetic leather upper, featuring superior fit and added cooling
- Optimum linkage of air flow between upper, insole and outsole
- Adaptable Cup Insole

SIZE

38 - 47 in half sizes, 48, 49, 50
Wide type size: 38 - 47 in half sizes, 48, 49, 50

10

245 g
(SIZE 42)

SPD SL

SYNTHETIC | CARBON | WIDER CLEAT ADJUSTMENT | ROAD
TT

BOA®

SHIMANO DYNALAST



BEST MATCH
PD-R8000



WHITE
SH-RC700





RED
SH-RC700

ROAD PERFORMANCE

NEW

RP9

FLAGSHIP ROAD PERFORMANCE SHOE DELIVERS UNPARALLELED COMFORT AND EFFICIENT PERFORMANCE ON LONG RIDES

FEATURES

· Supple, microfiber synthetic leather with perforated venting for superior fit
· Light carbon composite outsole for optimized long ride stiffness
· Micro-adjustable Boa® IP1 dial with hidden wire routing
· External curved heel cup secures the heel and foot
· Durable, wide heel pads provide walking stability
· Optimum linkage of air flow over upper, insole and outsole

SIZE

36, 37 - 47 in half sizes, 48, 49, 50
Wide type size: 36, 37 - 47 in half sizes, 48

12
224 g
(SIZE 42)

SPD SL
MICROFIBER SYNTHETIC LEATHER
EXTERNAL HEEL CUP
CARBON
WIDER CLEAT ADJUSTMENT
ROAD
BOA
silvadur
SHIMANO DYNALAST



BEST MATCH
PD-R8000



NAVY
SH-RP901





BLACK
SH-RP901



WHITE
SH-RP901



BLUE
SH-RP901

NEW

RP5

AFFORDABLE HIGH-PERFORMANCE ROAD ENDURANCE SHOE FOR THE ASPIRING RIDER

FEATURES

· Seamless one-piece upper for ideal fit and all-day comfort
· Light carbon fiber reinforced nylon sole for power transfer
· Micro-adjustable Boa® L6 dial with hidden wire routing
· Clean design delivers pure, functional performance
· Durable, wide heel pads provide walking stability
· Optimum linkage of air flow over upper, insole and outsole

SIZE

36 - 50

8
275 g
(SIZE 42)

SPD SL
SYNTHETIC
CARBON
WIDER CLEAT ADJUSTMENT
ROAD
BOA
SHIMANO DYNALAST



BEST MATCH
PD-5800



WHITE
SH-RP501





BLACK
SH-RP501

RP3

PRO LEVEL FEATURES, PERFECT FOR THE CLUB AND RECREATIONAL CYCLIST

FEATURES

· Secure closure system—two hook & loop straps plus a buckle for a firm fit
· Off-set Strap relieves tension at highest point of the foot
· Supple padded tongue feels great
· Optimum pedaling efficiency and compatibility
· Lightweight glass fiber reinforced nylon sole
· Indoor cycling friendly SPD and SPD-SL cleat compatible
· Adaptable Cup Insole

SIZE

36 - 52
Wide type size: 36 - 52

6
285 g
(SIZE 42)

SPD SL
SPD
SYNTHETIC
OFF-SET STRAPS
WIDER CLEAT ADJUSTMENT
ROAD
SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540, PD-R540-LA, PD-A520*
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RP300



WHITE
SH-RP300



NEW COLOR
BLACK/BLUE
SH-RP300

RP2

ESSENTIAL PERFORMANCE SHOE FOR BEGINNING ENTHUSIASTS

FEATURES

· 3 durable hook & loop straps spread tightening force across the top of the foot
· Off-set Strap relieves tension at highest point of the foot
· Extra cushioned tongue for added comfort
· Optimum pedaling efficiency and compatibility
· Lightweight glass fiber reinforced nylon sole
· Indoor cycling friendly SPD and SPD-SL cleat compatible
· Adaptable Cup Insole

SIZE

36 - 50

6

273 g
(SIZE 42)

SPD-SL SPD SYNTHETIC OFF SET STRAPS WIDER CLEAT ADJUSTMENT ROAD

SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540, PD-R540-LA, PD-A520*
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RP200





WHITE
SH-RP200



NEW COLOR
BLACK/YELLOW
SH-RP200

NEW

RP1

ALL-AROUND PERFORMANCE ROAD CYCLING SHOE WITH SHIMANO QUALITY, COMFORT, AND FUNCTION.

FEATURES

· Comfortable fit and perfect support for pedaling
· Dual hook and loop straps provide reliable and secure fit
· Lightweight glass fiber reinforced nylon sole
· Indoor cycling friendly SPD and SPD-SL cleat compatible
· Reflective print on heel cup for improved visibility

SIZE

· 36 - 48

6

255 g
(SIZE 42)

SPD-SL SPD SYNTHETIC WIDER CLEAT ADJUSTMENT ROAD

SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540,PD-R540-LA, PD-A520*
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RP100





NEON YELLOW
SH-RP100

RW5

BUILT FOR RIDERS WITHOUT AN OFF-SEASON

FEATURES

· DRYSHIELD® membrane with fleece liner keeps feet warm and comfortable in rain, wind and cold
· Insole with fleece liner for added insulation and heat retention
· Lace flap and neoprene ankle collar keep out water and dirt
· Adaptable cup insole with fleece liner
· Speed lacing system allow fast, easy adjustments and a secure fit
· 360-degree Fluorescent reflective printing

SIZE

38 - 48

6

340 g
(SIZE 42)

SPD-SL SPD SYNTHETIC SPEED LACING WIDER CLEAT ADJUSTMENT ROAD

DRYSHIELD

SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540, PD-R540-LA, PD-A520
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RW500



TRIATHLON

TR9

ELITE TRIATHLON RACING SHOE DESIGNED TO QUICKEN TRANSITIONS AND OPTIMIZE POWER

FEATURES

· T1-Quick strap and extra-wide collar simplifies foot entry and quickens transitions
· Asymmetrical heel loop makes it easier to get your finger through the loop to quickly secure the shoe during transitions
· 3D breathable mesh for optimal ventilation
· Anatomical toe cap with air intake maintains rigidity and breathability
· Lightweight, super-stiff carbon fiber composite sole efficiently transfers power
· Dual Density Cup Insole

SIZE

36, 37 - 47 in half sizes, 48, 49, 50

10

271 g
(SIZE 42)

SPD SL

SYNTHETIC · QUICK STRAPS · AIR INTAKE · CARBON · WIDER CLEAT ADJUSTMENT · Tri

SHIMANO DYNALAST



BEST MATCH
PD-R9100

BLUE
SH-TR900



TR5

TRIATHLON PERFORMANCE SHOE DESIGNED TO QUICKEN TRANSITIONS AND OPTIMIZE POWER

FEATURES

· T1-Quick strap and extra-wide collar simplifies foot entry and quickens transitions
· Asymmetrical heel loop makes it easier to get your finger through the loop to quickly secure the shoe during transitions
· 3D breathable mesh for optimal ventilation
· Lightweight glass fiber reinforced nylon sole
· SPD-SL and SPD cleat compatibility
· Adaptable Cup Insole

SIZE

36 - 52

6

265 g
(SIZE 42)

SPD SL · SPD

SYNTHETIC · OFF SET STRAPS · WIDER CLEAT ADJUSTMENT · Tri

SHIMANO DYNALAST



BEST MATCH
PD-5800



WHITE
SH-TR500



XC-RACING

XC9 S-PHYRE

THE PINNACLE OF OFF-ROAD COMPETITION FOOTWEAR

FEATURES

· Dedicated X-Country and Cyclocross no compromising racing shoe
· Low stack height sole helps stabilize foot during the downward pedaling stroke
· A one-piece surround upper, narrow bottom, rounded heel and slim toe box provide a glove-like fit
· Dual independent Boa® IP1 dials allow quick and precise micro-adjustment
· Asymmetric eyestay pattern prevents twisting of foot under high power pedaling
· Proprietar MICHELIN® outsole minimizes weight, and offers increased traction

SIZE

36, 37 - 47 in half sizes, 48
Wide type size: 38 - 47 in half sizes, 48

11

330 g
(SIZE 42)

SPD SL · SPD

SYNTHETIC · EXTERNAL HEEL CUP · CARBON · CARBON PLATE · REINFORCED SPIKE MOUNT · XC · XC · CX

MICHELIN

BOA

silvadur

SHIMANO DYNALAST



BEST MATCH
PD-M9000



BLUE
SH-XC900





BLACK
SH-XC900



YELLOW
SH-XC900

XC7

OFF-ROAD RACING SHOES FOR COMFORT AND MAXIMUM OFF-ROAD PERFORMANCE

FEATURES

- Ultra-rigid, lightweight carbon fiber reinforced midsole
- Supple high-density synthetic leather with perforated venting for superior fit
- Boa® IP1 dials with Powerzone wire guide and Front strap hold foot securely
- Adaptable cup insole
- Exclusive MICHELIN® high-traction, mud-shedding tread pattern outsole
- Dual density rubber compounds provide the right balance of grip, durability and flexibility
- Rubber anti slip arch outsole pattern

SIZE

38 - 50
Wide type size: 38 - 48

9

335 g
(SIZE 42)

SPD

SYNTHETIC · CARBON · REINFORCED SPIKE MOUNT · XC · XC · CX

MICHELIN

BOA

SHIMANO DYNALAST



BEST MATCH
PD-M8000



BLACK
SH-XC700





RED
SH-XC700

MULTI-SURFACE

NEW

XC5

COMFORTABLE AND FUNCTIONAL MIXED TERRAIN SHOES

FEATURES

- Mini power strap shoe lacing securely holds foot
- Lightweight and rigid carbon fiber reinforced midsole
- Supple synthetic leather with perforated venting for superior fit
- Exclusive MICHELIN® high-traction, mud-shedding tread
- Rubber anti-slip arch outsole pattern
- Reinforced spike mount for extreme conditions, 18 mm spike option
- Includes additional laces

SIZE

38 - 50

7

301 g
(SIZE 42)

SPD

SYNTHETIC · REINFORCED SPIKE MOUNT · M.P.S. · XC · CX · GRAVEL

MICHELIN

SHIMANO DYNALAST



BEST MATCH
PD-M8000



BLACK
SH-XC500





GRAY/ORANGE
SH-XC500

MOUNTAIN ENDURO

SH-ME7

MULTI-CONDITION TRAIL/ENDURO SHOE FASTER WITH MORE CONTROL

FEATURES

- Combining the lightweight and pedaling effectiveness of a XC shoe with the durability, grip, and armor aggressive trail riders require
- Reinforced armor provides great protection and excellent durability
- Stretch Neoprene ankle collar offers additional protection from trail debris
- Speed lacing system adapts to wide range of foot shapes with a secure fit
- Super low-profile, reverse mount buckle securely holds foot
- Extra-cushion insole
- MICHELIN® high-performance, dual-density rubber outsole offers superior traction with unmatched durability, stability, and slip resistance

SIZE

38 - 50

8

375 g
(SIZE 40)

SPD

SYNTHETIC · LOW PROFILE REVERSE BUCKLE · SPEED LACING · CARBON · HARDER CONTACT BLOCK · WIDER CLEAT ADJUSTMENT · CUSHION INSOLE · ENDURO · TR

MICHELIN

TORBAL



BEST MATCH
PD-M9020



BLACK
SH-ME700





GRAY
SH-ME700

SH-ME5

TRAIL SPECIFIC SHOE THAT OFFERS EXCELLENT OFF BIKE TRACTION WITH STIFFNESS FOR EXCELLENT POWER TRANSFER

FEATURES

· Super low-profile, reverse mount buckle and Cross X-Strap securely holds foot
· Extra-cushion insole
· Dual density, durable rubber outsole offers traction in any conditions

SIZE

38 - 50

6

385 g
(SIZE 40)

SPD

SYNTHETIC | LOW PROFILE REVERSE BUCKLE | CROSS X STRAP | HARDER CONTACT BLOCK | WIDER CLEAT ADJUSTMENT | CUSHION INSOLE | ENDURO | TR

TORBAL



BEST MATCH
PD-M8020



BLACK
SH-ME500





GRAY
SH-ME500

NEW

ME3

VERSATILE OFF-ROAD SHOE DESIGNED TO PERFORM AND FUNCTION FLAWLESSLY ON AND OFF THE BIKE

FEATURES

· TORBAL midsole allows natural rider "flow" motion while riding
· Low-profile reverse buckle and cross X-strap secure foot
· Lightweight rubber outsole offers all-conditions traction
· Glass fiber reinforced midsole for power transfer

SIZE

36 - 52
Wide type size: 36 - 52

5

381 g
(SIZE 42)

SPD

SYNTHETIC | LOW PROFILE REVERSE BUCKLE | CROSS X STRAP | WIDER CLEAT ADJUSTMENT | CUSHION INSOLE | XC | TR

TORBAL



BEST MATCH
PD-M530, PD-M520



BLACK/WHITE
SH-ME300





BLACK/ORANGE
SH-ME300



GRAY/YELLOW
SH-ME300

NEW

ME2

EXCEPTIONAL PERFORMANCE, DURABILITY, AND VALUE ARE COMBINED IN THIS ENTRY LEVEL MTB SHORT SHOE

FEATURES

· Three durable hook and loop straps for even and sure fit
· Cross X-strap offers firm and stable foot hold during pedaling
· Durable rubber tread offers excellent walking traction
· Glass fiber reinforced midsole for power transfer

SIZE

36 - 50

5

365 g
(SIZE 42)

SPD

SYNTHETIC | CROSS X STRAP | XC | TR

TORBAL



BEST MATCH
PD-M530,PD-M520



BLACK/WHITE
SH-ME200





GRAY/BLUE
SH-ME200

GRAVITY

NEW

AM9

FLAGSHIP DOWNHILL/ENDURO SPD SHOE WITH ADDED PROTECTION AND IMPROVED PEDAL CONTACT WHEN CLIPPED IN OR OUT

FEATURES

- Armored lace shield provides extra protection from debris
- Molded toe cap for additional toe protection
- Padded asymmetric ankle collar and sidewall sole for protection
- Speed lacing system allows fast, secure adjustments
- Pedal channel for stable shoe to pedal platform when not clipped in
- Ultra-grip rubber sole with toe and heal traction tread improve walking
- Materials absorb less water and dry quickly

SIZE

36 - 48

5

400 g
(SIZE 42)

SPD

SYNTHETIC · SPEED LACING · WIDER CLEAT ADJUSTMENT · ENDURO · TR · DH

PEDAL CHANNEL



BEST MATCH
PD-M820, PD-M647



GRAY/BLUE
SH-AM901



NEW

AM7

VERSATILE DOWNHILL/ENDURO SPD SHOE WITH EXCEPTIONAL PEDALING PERFORMANCE

FEATURES

- Perforated synthetic upper with mesh for heat management
- Molded toe cap for additional toe protection
- Stretch mesh ankle collar offers additional debris protection
- Pedal channel for stable shoe to pedal platform when not clipped in
- Includes one pair of alternative color spare laces
- Ultra-grip rubber sole with toe and heal traction tread improve walking

SIZE

36 - 48

6

408 g
(SIZE 42)

SPD

SYNTHETIC · WIDER CLEAT ADJUSTMENT · ENDURO · TR · DH

PEDAL CHANNEL



BEST MATCH
PD-M820, PD-M9020



GRAY/BLUE
SH-AM701





LIME GREEN
SH-AM701

AM5

GRAVITY SHOES WITH A FOCUS ON STYLE, COMFORT AND PROTECTION

FEATURES

- Tough synthetic leather with raised rubber out sole for foot protection
- Asymmetric mid-top design and padded tongue protects your foot
- Hook & Loop single strap secures and protects your laces
- Ultra grip rubber sole with optimized stiff glass fiber reinforced shank plate
- Flat Insole

SIZE

36 - 48

5

510 g
(SIZE 40)

SPD

SYNTHETIC · ENDURO · DH



BEST MATCH
PD-M545, PD-M424



BLACK
SH-AM500





GRAY CAMO
SH-AM500

NEW

GR9

PREMIER DOWNHILL/ENDURO SHOE FOR FLAT PEDALS WITH SUPERB GRIP, ENHANCED PROTECTION, AND WALKABILITY

FEATURES

· MICHELIN® rubber outsole for superb grip on pedal and ground
· Armored lace shield provides extra protection from debris
· Molded toe cap for additional toe protection
· Asymmetrically raised padded ankle collar and sidewall sole
· Speed lacing system allows fast, secure adjustments
· Materials absorb less water and dry quickly

SIZE

36 - 48

3

365 g
(SIZE 42)

SYNTHETIC · SPEED LACING · ENDURO · FR · DH · MICHELIN



BEST MATCH
PD-M828



GRAY/GREEN
SH-GR900



NEW

GR7

VERSATILE ENDURO/TRAIL SHOE FOR FLAT PEDALS WITH SUPERB GRIP, ENHANCED PROTECTION, AND WALKABILITY

FEATURES

· MICHELIN® rubber outsole for superb grip on pedal and ground
· Perforated synthetic upper with mesh for heat management
· Molded toe cap for additional toe protection
· Stretch mesh ankle collar offers additional debris protection
· Includes one pair of alternative color spare laces
· Materials absorb less water and dry quickly

SIZE

36 - 48

3

366 g
(SIZE 42)

SYNTHETIC · ENDURO · TR · DH · MICHELIN



BEST MATCH
PD-M8040



GRAY/GREEN
SH-GR700





BLUE
SH-GR700

SEVERE CONDITIONS

MW7

TOUGH, INSULATED, WATERPROOF AND COMFORTABLE BUILT FOR RIDERS WITHOUT AN OFF-SEASON

FEATURES

· Waterproof GORE-TEX® Insulated Comfort liner for maximum comfort
· Lace shield design and high cut cover construction
· Insole with fleece liner for added insulation and heat retention
· 360-degree reflectivity for high visibility
· Torsional midsole "TORBAL" allows natural rider "flow" motion during downhill descents
· Rubber outsole improves grip in wet and slippery conditions

SIZE

38 - 48

5

450 g
(SIZE 42)

SPD · SYNTHETIC · SPEED LACING · TR · GORE-TEX · TORBAL



BEST MATCH
PD-M8020



BLACK
SH-MW700



MW5

BUILT FOR RIDERS WITHOUT AN OFF-SEASON

FEATURES

· DRYSHIELD® membrane with fleece liner keeps feet warm and comfortable in rain, wind, cold and mud
· Insole with fleece liner for added insulation and heat retention
· Lace flap and neoprene ankle collar keep out water and dirt
· Speed lacing system allow fast, easy adjustments and a secure fit
· Adaptable cup insole with fleece liner
· Durable rubber tread offers excellent grip and traction

SIZE

38 - 48

5

445 g
(SIZE 42)

SPD
SYNTHETIC
SPEED LACING
TR
DRYSHIELD



BEST MATCH
PD-M530, PD-M520



BLACK
SH-MW500



EXPLORER SERIES

NEW

CT5

A UNIQUE AND VERSATILE CYCLING SHOE CLEVERLY DISGUISED AS AN URBAN SNEAKER

FEATURES

· Casual sneaker-style design for everyday cycling life
· Hidden inner shank plate transfers power to the pedals
· Shock absorbing EVA mid sole maximizes walking comfort
· Easy cleat installation
· Optimized for SPD and SHIMANO CLICK'R pedal systems

SIZE

36 - 48

2

342 g(suede)
332 g(mesh)
(SIZE 42)

SPD
SYNTHETIC
TREKKING
CITY
SHIMANO CLICK'R



BEST MATCH
PD-ED500, PD-T421



NAVY
SH-CT500





BLACK
SH-CT500



OLIVE
SH-CT500



ORANGE
SH-CT500

RT5

THE SMART AND VERSATILE ON-ROAD CYCLING SHOE

FEATURES

· Classic 3-strap styling, pedaling performance and walking comfort
· Three wide-strap closures for added upper rigidity
· Glass fiber reinforced shank plate for optimum sole rigidity
· Full length rubber sole enhances walking comfort
· Durable perforated synthetic leather upper designed to ensure a snug, secure fit
· Adaptable cup insole
· 360-degree reflectivity for high visibility in urban environments

SIZE

36 - 48

5

317 g
(SIZE 42)

SPD
SYNTHETIC
ROAD
FHB
CITY
SHIMANO DYNALAST



BEST MATCH
PD-A600,PD-A520,
PD-ED500



BLACK
SH-RT500





NEW COLOR
NAVY
SH-RT500

RT4

THE SMART AND VERSATILE ON-ROAD CYCLING SHOE

FEATURES

- Classic lace-up styling, pedaling performance and walking comfort
- Simple lacing closure for even tension
- Glass fiber reinforced shank plate for optimum sole rigidity
- Full length rubber sole enhances walking comfort
- Durable supple synthetic leather/fabric upper designed to ensure a snug, secure fit
- Adaptable cup insole
- 360-degree reflectivity for high visibility in urban environments

SIZE

36 - 48

5

287 g
(SIZE 42)

SPD

SYNTHETIC ROAD FHB CITY

SHIMANO DYNALAST



BEST MATCH
PD-A600, PD-A520,
PD-ED500



GRAY
SH-RT400





DARK GRAY MELANGE
SH-RT400

XM9

MULTI-SEASON, ALL-CONDITIONS ADVENTURE SHOES

FEATURES

- Flexible half length shank plate and shock absorbing EVA delivers trail walkability within a serious cycling shoe
- Mid-top design offers added stability, ankle protection and walking support
- Cup insole
- Breathable, waterproof GORE-TEX® performance Comfort FOOTWEAR liner keeps your feet dry
- Natural nubuck leather with reinforced rubber toe box for protection and durability
- Strategic ankle padding prevents debris from entering the shoe without interfering with pedaling movement

SIZE

36 - 48

3

579 g
(SIZE 42)

SPD

LEATHER M.P.S. X-ALPS TREKKING

GORE-TEX Vibram



BEST MATCH
PD-M8020, PD-T8000



GRAY
SH-XM900



XM7

DURABLE CROSS MOUNTAIN ADVENTURE SHOES

FEATURES

- Flexible half length shank plate and shock absorbing EVA delivers outdoor walkability within a serious cycling shoe
- Cup insole
- VIBRAM® outsole provides superior grip and foot control in all conditions
- Lacing closure with top strap offers secure closure and snug fit
- Breathable, waterproof GORE-TEX® performance Comfort FOOTWEAR liner keeps your feet dry
- Natural nubuck leather with reinforced rubber toe box for protection and durability

SIZE

36 - 48

3

471 g
(SIZE 42)

SPD

LEATHER X-ALPS TREKKING

GORE-TEX Vibram



BEST MATCH
PD-M8020, PD-T8000



GRAY
SH-XM700



NEW

MT7

HIKEABLE CYCLING SHOE WITH BOA® CLOSURE OFFERS MOUNTAIN TOURING VERSATILITY

FEATURES

- Durable synthetic leather with reinforced rip-stop mesh for breathability
- Boa® L6 dial allows quick and precise micro-adjustment
- EVA midsole and rubber sole for pedaling efficiency, walking comfort
- Flexible half-length shank, shock absorbing EVA perform on and off bike

SIZE

36 - 46

4

376 g
(SIZE 42)

SPD

SYNTHETIC TREKKING CASUAL

BOA®



BEST MATCH
PD-M8020, PD-T8000



ORANGE
SH-MT700





OLIVE
SH-MT700

SH-MT5

MULTI-USE/TOURING SHOE

FEATURES

- Outdoor-style inspired cycling shoes combine the walkability of light hiking shoes with the performance of a MTB shoe
- Glass fiber reinforced shank plate for optimum sole rigidity
- EVA midsole and rubber sole enhance pedaling efficiency and walking comfort
- Flat insole
- One piece construction creates an upper with secure fit, increased durability, and lighter weight
- Speed lacing allow fast, easy adjustments and top strap offers additional adjustability

SIZE

36 - 48

4

335 g
(SIZE 42)

SPD

SYNTHETIC SPEED LACING TREKKING CASUAL



BEST MATCH
PD-T8000, PD-M324



RED
SH-MT500





BLACK
SH-MT500

SH-MT3

MULTI-USE/TOURING SHOE

FEATURES

- Designed for recreational on- and off-road cycling, the MT series are outdoor styled shoes designed for many riding styles
- Classic lace-up styling, designed for recreational on-or off-road pedaling performance with excellent walking comfort
- Flat insole
- One piece construction creates an upper with a secure fit, increased durability, and lighter weight

SIZE

36 - 48

4

330 g
(SIZE 42)

SPD

SYNTHETIC TREKKING CASUAL



BEST MATCH
PD-T8000, PD-M324



BLACK
SH-MT300





BLUE
SH-MT300

SH-SD5

SPD CYCLING SANDAL

FEATURES

· A great choice for casual riding with pedaling efficiency in seasonal weather
· Flat foot bed for long distance comfort
· Glass fiber reinforced shank plate for optimum sole rigidity
· Wide, stable rubber sole for comfortable riding and walking
· Durable synthetic leather upper with moisture control mesh layering
· Classic dual strap design for an efficient, secure, comfortable fit

SIZE

37/38 - 47/48

3

387 g
(SIZE 42)

SPD

SYNTHETIC | TREKKING | CASUAL



BEST MATCH
PD-A530,PD-M324

GRAY
SH-SD500



WOMEN'S

NEW

RP7 WOMEN

FLAGSHIP WOMEN'S ROAD PERFORMANCE SHOE DELIVERS UNPARALLELED COMFORT AND EFFICIENT PERFORMANCE FOR LONGER RIDES

FEATURES

· Supple, perforated high-density synthetic leather for superior fit
· Light carbon composite outsole for optimized long ride stiffness
· Micro-adjustable Boa® L6 dial with hidden wire routing
· Women's specific fit for a more natural, comfortable fit
· External curved heel cup secures the heel and foot

SIZE

36, 37 - 44 in half sizes

9

217 g
(SIZE 40)

SPD SL

SYNTHETIC | EXTERNAL HEEL CUP | CARBON | WIDER CLEAT ADJUSTMENT

ROAD

BOA

SHIMANO DYNALAST



BEST MATCH
PD-R8000



GRAY
SH-RP700 WOMEN



NEW

RP5 WOMEN

NIMBLE AND ROBUST PERFORMANCE BUILT SPECIFICALLY FOR THE ASPIRING WOMAN RIDER

FEATURES

· Seamless one-piece upper for ideal fit and all-day comfort
· Light carbon fiber reinforced nylon sole for power transfer
· Micro-adjustable Boa® L6 dial with hidden wire routing
· Women's specific fit for a more natural, comfortable fit
· Durable, wide heel pads provide walking stability
· Optimum linkage of air flow over upper, insole, and outsole

SIZE

36 - 44

8

275 g
(SIZE 40)

SPD SL

SYNTHETIC | WIDER CLEAT ADJUSTMENT | ROAD

BOA

SHIMANO DYNALAST



BEST MATCH
PD-5800



WHITE
SH-RP501 WOMEN





NAVY
SH-RP501 WOMEN

RP3 WOMEN

A COMFORTABLE AND EFFICIENT RECREATIONAL SHOE WITH EXPERT-LEVEL FEATURES

FEATURES

· Secure closure, two hook & loop straps plus a buckle for a firm fit
· Off-set Strap relieves tension at highest point of the foot
· Supple padded tongue feels great
· Women's specific fit for more natural, comfortable fit
· Lightweight glass fiber reinforced nylon sole for power transfer
· Indoor cycling friendly SPD and SPD-SL cleat compatible
· Adaptable Cup Insole

SIZE

35 - 44

6

264 g
(SIZE 40)

SPD-SL SPD

SYNTHETIC | OFF-SET STRAPS | WIDER CLEAT ADJUSTMENT

ROAD

SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540, PD-R540-LA, PD-A520*
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RP300 WOMEN





WHITE
SH-RP300 WOMEN

RP2 WOMEN

ESSENTIAL PERFORMANCE SHOE FOR LONG CLUB RIDES AND RECREATION RIDING

FEATURES

· 3 durable hook & loop straps spread tightening force across the top of the foot
· Off-set Strap relieves tension at highest point of the foot
· Extra cushioned tongue for added comfort
· Women's specific fit for a more natural, comfortable fit
· Lightweight glass fiber reinforced nylon sole for power transfer
· Indoor cycling friendly SPD and SPD-SL cleat compatible
· Adaptable Cup Insole

SIZE

36 - 44

6

255 g
(SIZE 40)

SPD-SL SPD

SYNTHETIC | OFF-SET STRAPS | WIDER CLEAT ADJUSTMENT

ROAD

SHIMANO DYNALAST



BEST MATCH
PD-R550, PD-R540, PD-R540-LA, PD-A520*
*SPD pedals can be used only with SPD cleats with the adapter SM-SH40



BLACK
SH-RP200 WOMEN





WHITE
SH-RP200 WOMEN

TR9 WOMEN

WOMEN'S ELITE TRIATHLON SHOE DESIGNED TO QUICKEN TRANSITIONS AND OPTIMIZE PEDAL POWER

FEATURES

· T1-Quick strap and extra-wide collar simplifies foot entry and quickens transitions
· Asymmetrical heel loop to quickly secure the shoe during transitions
· 3D breathable mesh for optimal ventilation
· Anatomical toe cap with air intake maintains rigidity and breathability
· Women's specific fit for a more natural, comfortable fit
· Lightweight, super-stiff carbon fiber composite sole efficiently transfers power
· Dual Density Cup Insole

SIZE

36 - 44

10

251 g
(SIZE 40)

SPD-SL

SYNTHETIC | QUICK STRAPS | AIR INTAKE | CARBON

WIDER CLEAT ADJUSTMENT | Tri

SHIMANO DYNALAST



BEST MATCH
PD-R9100



WHITE
SH-TR900 WOMEN



TR5 WOMEN

TRIATHLON PERFORMANCE SHOE DESIGNED TO QUICKEN TRANSITIONS AND OPTIMIZE POWER

FEATURES

· T1-Quick strap and extra-wide collar simplifies foot entry and quickens transitions
· Asymmetrical heel loop makes it easier to get your finger through the loop to quickly secure the shoe during transitions
· 3D breathable mesh for optimal ventilation
· Women's specific fit for a more natural, comfortable fit
· Lightweight glass fiber reinforced nylon sole
· SPD-SL and SPD cleat compatibility
· Adaptable Cup Insole

SIZE

36 - 44

6

247 g
(SIZE 40)

SPD-SL SPD

SYNTHETIC QUICK STRAPS WIDER CLEAT ADJUSTMENT

Tri

SHIMANO DYNALAST



BEST MATCH
PD-5800



WHITE
SH-TR500 WOMEN



NEW

XC5 WOMEN

COMFORTABLE AND RELIABLE WOMEN'S SPECIFIC PERFORMANCE FOR X-COUNTRY, CYCLO-CROSS, AND GRAVEL ROAD RIDING

FEATURES

· Lace closure with MPS (Mini Power Strap) securely holds foot
· Lightweight and rigid carbon fiber reinforced midsole
· Supple synthetic leather with perforated venting for superior fit
· Exclusive MICHELIN® high-traction, mud-shedding tread
· Rubber anti-slip arch outsole pattern
· Reinforced spike mount for extreme conditions, 18 mm spike option

SIZE

36 - 44

7

287 g
(SIZE 40)

SPD

SYNTHETIC SPIKE MOUNT XC CX

GRAVEL

MICHELIN

SHIMANO DYNALAST



BEST MATCH
PD-M8000



BLACK/MAGENTA
SH-XC500 WOMEN



NEW

ME3 WOMEN

VERSATILE OFF-ROAD MTB AND TRAIL WOMEN'S SHOE DESIGNED TO PERFORM AND FUNCTION FLAWLESSLY ON AND OFF THE BIKE

FEATURES

· TORBAL midsole allows natural rider "flow" motion while riding
· Low-profile reverse buckle and cross X-strap secure foot
· Lightweight rubber outsole offers all-conditions traction
· Glass fiber reinforced midsole for power transfer
· Women's specific fit for a more natural, comfortable fit

SIZE

36 - 44

5

363 g
(SIZE 40)

SPD

SYNTHETIC LOW PROFILE REVERSE BUCKLE CROSS X STRAP CUSHION INSOLE

WIDER CLEAT ADJUSTMENT XC TR

TORBAL



BEST MATCH
PD-M530, PD-M520



BLACK/MAGENTA
SH-ME300 WOMEN





GRAY/MINT
SH-ME300 WOMEN

NEW

ME2 WOMEN

EXCEPTIONAL PERFORMANCE, DURABILITY, AND VALUE ARE COMBINED IN THIS ENTRY LEVEL MTB SHORT SHOE

FEATURES

· Three durable hook and loop straps for even and sure fit
· Cross X-strap offers firm and stable foot hold during pedaling
· Durable rubber tread offers excellent traction for walking
· Glass fiber reinforced midsole for power transfer
· Women's specific fit for a more natural, comfortable fit

SIZE

36 - 44

5

348 g
(SIZE 40)

SPD

SYNTHETIC · CROSS X STRAP · XC · TR



BEST MATCH
PD-M530, PD-M520



BLACK/GREEN
SH-ME200 WOMEN





GRAY/MAGENTA
SH-ME200 WOMEN

NEW

GR7W

VERSATILE WOMEN'S ENDURO/TRAIL SHOE FOR FLAT PEDALS WITH SUPERB GRIP, ENHANCED PROTECTION, AND WALKABILITY

FEATURES

· MICHELIN® rubber outsole for superb grip on pedal and ground
· Perforated synthetic upper with mesh for heat management
· Molded toe cap for additional toe protection
· Stretch mesh ankle collar offers additional debris protection
· Includes one pair of alternative color spare laces
· Materials absorb less water and dry quickly

SIZE

36 - 44

3

349 g
(SIZE 40)

SYNTHETIC · ENDURO · TR · DH

MICHELIN



BEST MATCH
PD-M8040



GRAY/MINT
SH-GR700W



NEW

CT5 WOMEN

A UNIQUE AND VERSATILE CYCLING SHOE CLEVERLY DISGUISED AS AN URBAN SNEAKER

FEATURES

· Casual sneaker-style design for everyday cycling life
· Hidden inner shank plate transfers power to the pedals
· Shock absorbing EVA mid sole maximizes walking comfort
· Easy cleat installation
· Optimized for SPD and SHIMANO CLICK'R pedal systems

SIZE

36 - 44

2

326 g
(SIZE 40)

SPD

SYNTHETIC · TREKKING · CITY

SHIMANO CLICK'R



BEST MATCH
PD-ED500, PD-T421



NAVY
SH-CT500 WOMEN





BLACK
SH-CT500 WOMEN



MINT
SH-CT500 WOMEN

RT5W

THE SMART AND VERSATILE ON-ROAD CYCLING SHOE

FEATURES

· Classic 3-strap styling, pedaling performance and walking comfort
· Three wide-strap closures for added upper rigidity
· Glass fiber reinforced shank plate for optimum sole rigidity
· Full length rubber sole enhances walking comfort
· Durable perforated synthetic leather upper designed to ensure a snug, secure fit
· High density cup insole
· 360-degree reflectivity for high visibility in urban environments

SIZE

36 - 44

5

277 g
(SIZE 40)

SPD

SYNTHETIC ROAD FHB CITY

SHIMANO DYNALAST



BEST MATCH
PD-A600, PD-A520, PD-ED500

WHITE
SH-RT500 WOMEN



BROWN
SH-RT500 WOMEN

RT4W

THE SMART AND VERSATILE ON-ROAD CYCLING SHOE

FEATURES

· Classic lace-up styling, pedaling performance and walking comfort
· Simple lacing closure for even tension
· Glass fiber reinforced shank plate for optimum sole rigidity
· Full length rubber sole enhances walking comfort
· Durable supple synthetic leather/fabric upper designed to ensure a snug, secure fit
· High density cup insole
· 360-degree reflectivity for high visibility in urban environments

SIZE

36 - 44

5

254 g
(SIZE 40)

SPD

SYNTHETIC ROAD FHB CITY

SHIMANO DYNALAST



BEST MATCH
PD-A600, PD-A520, PD-ED500

NEW COLOR
GRAY MELANGE/MINT
SH-RT400 WOMEN



PURPLE MELANGE
SH-RT400 WOMEN



WHITE
SH-RT400 WOMEN

SH-MT5W

MULTI-USE/TOURING SHOE

FEATURES

· The high-performance off-road cycling shoe with walkability of light hiking shoes.
· Glass fiber reinforced shank plate for optimum sole rigidity
· EVA midsole and rubber sole enhance pedaling efficiency and walking comfort
· Flat insole
· One-piece construction creates an upper with secure fit, increased durability, and lighter weight.
· Speed lacing allow fast, easy adjustments, top strap offers additional adjustability.

SIZE

36 - 44

4

335 g
(SIZE 40)

SPD

SYNTHETIC SPEED LACING TREKKING CASUAL



BEST MATCH
PD-T8000, PD-M324

BLACK/GREEN
SH-MT500 WOMEN



SH-MT3W

MULTI-USE/TOURING SHOE

FEATURES

· Designed for recreational, on- and off-road cycling
· Classic lace-up styling, designed for recreational on- or off-road pedaling performance with excellent walking comfort
· Flat insole
· One piece construction creates an upper with a secure fit, increased durability, and lighter weight

SIZE

36 - 44

4

330 g
(SIZE 40)

SPD

SYNTHETIC TREKKING CASUAL



BEST MATCH
PD-T8000, PD-M324

BLACK/GREEN
SH-MT300 WOMEN



PEDAL

>>> http://www.shimano-lifestylegear.com



THE PEDAL SYSTEM
THAT CHANGED
CYCLING FOREVER

DURA-ACE

PD-R9100

THE LIGHTEST, MOST EFFICIENT DURA-ACE PEDAL EVER CREATED

FEATURES

· Optimized balance of weight and rigidity
· Injection-molded carbon-composite body
· Extra-wide platform for stability and power transfer
· Wide bearing placement for uniform load distribution
· Customize the entry and release tension settings
· SHIMANO 3-year limited warranty
· 4 mm longer axle model available

SPD-SL

228 g

SPD-SL | Carbon | +4mm

ROAD | TT | Tri



SHIMANO ULTEGRA

NEW

PD-R8000

LIGHTWEIGHT, PRO LEVEL PERFORMANCE FOR THE ENTHUSIAST RIDER

FEATURES

· Lightweight carbon-composite body
· Extra-wide platform for a more efficient transfer of power
· Durable stainless steel body plate reduces flex and pedal body wear
· Wide bearing placement for stable, uniform load distribution
· Adjustable entry and release tension settings
· 4 mm longer axle available

SPD-SL

248 g

SPD-SL | Carbon | +4mm

ROAD | TT | Tri



SHIMANO 105

PD-5800

FROM CLUB RIDING TO SERIOUS RIDING

FEATURES

· Carbon-composite body
· Extra-wide platform for maximum efficient transfer of power
· Durable stainless steel body plate reduces flex and pedal body wear
· Wide bearing placement for stable, uniform load distribution
· Customize the entry and release tension settings
· The SHIMANO style, quality and durability cyclists value

SPD-SL

285 g

SPD-SL | Carbon

ROAD | TT | Tri



PD-R550

WIDE SPRING TENSION ADJUSTMENT RANGE FOR A WIDE RANGE OF RIDERS

FEATURES

· Wide spring tension adjustment range
· Larger entry target for easier engagement
· Composite body
· Extra-wide platform for maximum efficient transfer of power
· Durable stainless steel body plate reduces flex and wear
· Wide bearing placement for stable, uniform load distribution
· The legacy of SHIMANO design, quality and performance

310 g



BLACK
PD-R550



GRAY
PD-R550

PD-R540

PROVEN PERFORMANCE ON THE RACE COURSE

FEATURES

· Wide platform for a more efficient transfer of power
· Wide bearing placement for stable, uniform load distribution
· Low maintenance sealed cartridge axle unit
· Customize the entry and release tension settings
· The legacy of SHIMANO design, quality and performance

330 g



WHITE
PD-R540



BLACK
PD-R540



SILVER
PD-R540

PD-R540-LA

LIGHTEST ACTION PEDAL FOR RIDERS THAT DEMAND SPD-SL EFFICIENCY

FEATURES

· Lighter spring action version of PD-R540
· Wide platform for a more efficient transfer of power
· Wide bearing placement for stable, uniform load distribution
· Low maintenance sealed cartridge axle unit
· Customize the entry and release tension settings
· The legacy of SHIMANO design, quality and performance

330 g



WHITE
PD-R540-LA



BLACK
PD-R540-LA

SHIMANO XTR

PD-M9000

ULTIMATE POWER TRANSFER MATCHED WITH LEGENDARY INGENUITY AND RELIABILITY

FEATURES

· Wide pedal-to-shoe contact area
· Wider bearing placement for increased rigidity
· Slimmer, lighter axle
· Low platform height for pedaling stability
· Oval shape axle body housing for smoother mud & debris flow
· Slimmer axle unit increases open space between bindings

SPD

310 g

SPD MUD XC XC CX



SHIMANO XTR

PD-M9020

INSPIRED TO TACKLE SINGLE TRACK AND TECHNICAL DESCENTS WITH CONTROL AND CONFIDENCE

FEATURES

· Extremely wide pedal-to-shoe contact area
· Wider bearing placement for increased rigidity
· Increases stability and control when not clipped in
· Protects binding mechanism against impacts
· Oval shape axle body housing for smoother mud & debris flow
· Slimmer axle unit increases open space between bindings

SPD

379 g

SPD MUD ENDURO TR AM



SHIMANO DEORE XT

PD-M8000

XC RACE PEDALS OPTIMIZED FOR MAXIMUM POWER EFFICIENCY

FEATURES

· Large pedal platform
· Mud shedding offset binding design
· Lower platform height for pedaling stability
· Robust retention claws provide smooth engagement and release
· Customize the entry and release tension settings
· Strong, durable chrome-moly spindle with 8 mm hex wrench mount

SPD

343 g

SPD MUD XC XC CX



SHIMANO DEORE XT

PD-M8020

TRAIL AND ENDURO PEDALS ENGINEERED TO ENHANCE BIKE CONTROL

FEATURES

- Wide pedal-to-shoe contact
- Lower platform height for pedaling stability
- Integrated cage increases stability and control when not clipped in and protects binding mechanism against impacts
- Robust retention claws provide smooth engagement and release
- Customize the entry and release tension settings
- Strong, durable chrome-molly spindle with 8 mm hex wrench mount

SPD

408 g

SPD MUD ENDURO TR AM



PD-M540

OPEN BINDING MECHANISM AND LIGHTWEIGHT FOR SERIOUS OFF-ROAD COMPETITORS

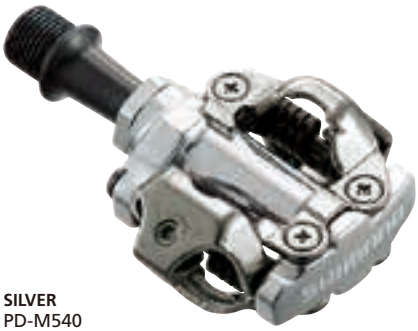
FEATURES

- Classic SPD reliability and performance
- Customize the entry and release tension settings
- Better mud and debris shedding than any pedal in its class
- Chrome-moly spindle and low-maintenance sealed bearing cartridge axle

SPD

352 g

SPD MUD XC XC CX



SILVER
PD-M540



BLACK
PD-M540

PD-M530

CLASSIC SPD RELIABILITY AND PERFORMANCE WITH AN OVERSIZED PLATFORM

FEATURES

- Integrated cage increases stability and control when not clipped in and protects binding mechanism against impacts
- Better mud and debris shedding than any pedal in its class
- Customize the entry and release tension settings
- Low-maintenance sealed cartridge axle

SPD

455 g

SPD POP-UP TR AM



WHITE
PD-M530



BLACK
PD-M530

PD-M520

CLASSIC SPD RELIABILITY AND PERFORMANCE PERFECTED FOR MTB OR ROAD CYCLISTS

FEATURES

- Compact body design with open binding for easy-entry
- Better mud and debris shedding than any pedal in its class
- Customize the entry and release tension settings
- Chrome-moly spindle and low-maintenance sealed bearing cartridge axle

380 g



SILVER
PD-M520



WHITE
PD-M520



BLACK
PD-M520

NEW

PD-M820

SAINT-LEVEL SPD PEDAL FOR AGGRESSIVE DOWNHILL/ENDURO RIDERS

FEATURES

- Wider contact area enhances stability in combination with AM shoes
- Thinner pedal body for lower stack height and improved obstacle clearance
- Non-pop-up alloy pedal body for simplicity and durability
- Durable, yet slimmer chrome-moly spindle with 8 mm hex wrench mount
- Four height adjustable pins per side for improved grip when not clipped-in
- Pedal body protects binding mechanism against impacts

546 g(w/o pins)



PD-M647

DESIGNED FOR THE RIGORS OF EXTREME RIDING AND BMX RACING

FEATURES

- "Pop-up" mechanism tilts the binding at a 12.5° angle for easy and fast entry
- Customize the entry and release tension settings
- Excellent mud and debris shedding ability
- Chrome-moly sealed cartridge spindle with reinforced steel collar

568 g



PD-M545

DURABLE AND VERSATILE TO TAKE ON NEARLY ANYTHING

FEATURES

- "Pop-up" mechanism tilts the binding at a 12.5° angle for easy and fast entry
- Heavy-duty aluminum body and cages
- Chrome-moly spindle and low-maintenance sealed bearing cartridge axle
- Customize the entry and release tension settings

SPD

567 g

SPD POP-UP MUD

TR BMX



PD-M424

VERSATILE PLATFORM IS GREAT FOR MOST STYLES OF CYCLING

FEATURES

- "Pop-up" mechanism tilts the binding at a 12.5° angle for easy and fast entry
- Large high-impact resin cages
- Chrome-moly spindle and low-maintenance sealed bearing cartridge axle
- Customize the entry and release tension settings

SPD

472 g

SPD POP-UP MUD

TR BMX



NEW

PD-M828

NEW SAINT-LEVEL FLAT PEDAL WITH SUPERIOR GRIP, SUPPORT, AND DURABILITY

FEATURES

- Concave platform with "virtual concave" height adjustable pins
- Wide platform for more support and grip
- 12 pins per side with option of long or short pins
- Durable, yet slimmer chrome-moly spindle with 8 mm hex wrench mount

493 g

FR DH



NEW

PD-M8040

NEW TRAIL-OPTIMIZED FLAT PEDALS WITH LEGENDARY PERFORMANCE AND DURABILITY

460 g(SM)
503 g(ML)

ENDURO TR

FEATURES

- Two size options (SM and ML) for optimized support and pedaling efficiency
- Concave platform for enhanced grip, long ride comfort, and efficiency
- 10 pins per side with option of long or short pins
- Strong, durable chrome-moly spindle with 8 mm hex wrench mount
- SM : 100 mm x 105 mm for 36 - 44 GR shoe/ML : 110 mm x 115 mm for 43 - 48 GR shoe



PD-M8040-ML



PD-M8040-SM

NEW

PD-GR500

DURABLE FLAT PEDAL OFFERS VERSATILITY ACROSS TERRAIN AND RIDING STYLES

533 g

TR AM CASUAL

FEATURES

- Concave platform for better grip, long-ride comfort, and efficiency
- Height adjustable, bottom-loading replaceable pins
- Chrome-moly spindle and low-maintenance, sealed bearing cartridge axle



BLACK
PD-GR500



SILVER
PD-GR500

NEW

PD-ED500

LIGHT ACTION, EASY IN AND OUT SPD ROAD TOURING PEDAL

SPD

442 g

ROAD FHB

FEATURES

- Double-sided Light Action SPD Pedal Design Aids Frequent Entry and Release
- Adjustable entry and release tension settings
- Chrome-moly spindle and low maintenance sealed bearing cartridge axle
- SM-SH56 (multi-directional release cleat) included



PD-T8000

HIGH-QUALITY DUAL PLATFORM PERFORMANCE FOR TOURING, TREKKING AND COMMUTING

FEATURES

· Two-sided flexibility and performance
· Customize the entry and release tension settings
· Only 392 grams
· Concave cleat clearance on platform side
· High-grip pins
· Sealed cup and cone bearings

SPD

392 g

SPD MUD TREKKING



PD-M324

VERSATILE SPD PEDAL FOR ENTRY-LEVEL USERS, GREAT FOR EVERYDAY CYCLING

FEATURES

· Combines the efficiency of the SPD system and the convenience of a platform pedal
· Customize the entry and release tension settings
· Sealed mechanism and serviceable cup & cone bearings

SPD

533 g

SPD TREKKING



NEW COLOR

PD-A600

PREMIUM ROAD SPD PEDAL

FEATURES

· Lightest ever SPD pedal at ULTEGRA level
· Wide platform for more efficient transfer of power from SPD shoes
· Aerodynamic, single-entry SPD design
· Recessed SPD shoe compatible allows off the bike walking
· Customize the entry and release tension settings

SPD

286 g

SPD MUD ROAD FHB



PD-A530

OUR MOST VERSATILE ROAD SPD PEDAL

FEATURES

· Dual efficient step-in SPD and a concave stable platform
· Clean, svelte, attractive appearance
· Low-maintenance sealed cartridge axle unit
· Customize the entry and release tension settings
· The legacy of SHIMANO design, quality and performance

SPD

383 g

SPD MUD ROAD FHB



SILVER
PD-A530



BLACK
PD-A530

PD-A520

PRACTICAL PLATFORM FOR ROAD CYCLISTS

FEATURES

· Lightweight, aerodynamic single-entry SPD design
· Recessed SPD shoe compatible allows off the bike walking
· Customize the entry and release tension settings
· The legacy of SHIMANO design, quality and performance

SPD

315 g

SPD MUD ROAD FHB



PD-T421

VERSATILE DUAL-PLATFORM CLICK'R PEDAL WITH EVERYDAY EASE OF USE

FEATURES

· Versatile use CLICK'R binding on one side and flat pedal on the other
· Lighter spring
· Easier to catch the binding
· Pop-up cage
· Better grip on flat side with non-slip surface and concave shape
· Rider Tuneable adjustable entry and release tension settings

423 g

SPD POP-UP MUD

SHIMANO CLICK'R



PD-T400

OFFERING A MORE ENJOYABLE CYCLING LIFE TO MORE PEOPLE

FEATURES

· Lighter spring for simple entry and release
· Pop-up cage for easier step-in
· Integrated reflector for safety
· Customize the entry and release tension settings
· Chrome-moly spindle and low-maintenance sealed bearing cartridge axle
· SM-SH56 (multi-directional release cleat) included

507 g

SPD POP-UP MUD

TREKKING CITY

SHIMANO CLICK'R



BLACK
PD-T400



WHITE
PD-T400

PD-MT50

MTB STYLE SHIMANO CLICK'R PEDAL FOR RECREATIONAL MTB USE

FEATURES

· Lighter spring for simple entry and release
· Pop-up cage for easier step-in
· Customize the entry and release tension settings
· Chrome-moly spindle and low-maintenance sealed bearing cartridge axle
· SM-SH56 multi-directional release cleat included

498 g

SPD POP-UP MUD

TREKKING CITY

SHIMANO CLICK'R



INSOLES



CUSTOM-FIT INSOLE (RC9)

DUAL DENSITY AND HEAT-MOLDABLE, CUSTOM-FITTING INSOLE DISPERSE PRESSURE OF THE PLANTAR EVENLY, IMPROVE POWER TRANSMISSION AND INCREASE COMFORT. ADAPTABLE ARCH PADS OPTIMIZE ARCH SUPPORT. ANTI-SLIP SURFACE KEEP YOUR FEET IN RIGHT PLACE AND SUPPORT PEDALING EFFICIENCY.

COMPATIBLE WITH

For SH-RC900/R321/R320/R315/R310/RP901/RP900/R260/R241/R240/R191/R190/RC700/R171/R170/R133/R132/RP501/RP501 WOMEN/RP500/RP500 WOMEN/R107/R106/R105/RP300/RP300 WOMEN/R088/R087/RP200/RP200 WOMEN/R078/R077/RP100/R065/R064/RW500/TR900/TR900 WOMEN/TR60/TR52/TR500/TR500 WOMEN/TR32/TR31/RT82/RT33/RT32/XC900/XC90/XC70/XC700/XC61/XC60/XC500/XC500 WOMEN/XC51/XC51N/XC50/XC50N/XC31/M315/M310/M240/MW81/MW500/MT91/MT71/MT54/RT500/RT500 WOMEN/RT400/RT400 WOMEN/WR84/WR83/WR82/WR81/WR62/WR61/WR60/WR42/WR41/WR32/WR31/WT60/WT52/WM83/WM53/WF23/FN23

S-PART NO.

· ESMSHRC900INCF(size)

AVAILABLE SIZES

· 36 - 37.5, 38 - 39.5, 40 - 41.5, 42 - 43.5, 44 - 45.5, 46 - 47.5, 48 - 50



UNIVERSAL INSOLE

FIRM, HIGH BREATHABILITY INSOLE. EVA MOLDED CRADLE AND ARCH SUPPORT. FIT WITH CURVED LAST SHOES.

COMPATIBLE WITH

For SH-R087/R086/R077/R076/R064/R063/RW80/TR71/TR70/TR52/TR51/TR31/RT82/RT81/RT52/RT33 / RT32/RT31/M230/M183/M183N/XC50/XC50N/XC30/M088/M087/M086/ME200/ME200 WOMEN/M077/M076/M065/M064/M063/MW81/MW80/AM700/AM41/AM40/AM31/MP90/XM900/XM700/MT91/MT71/MT54/MT60/MT53/MT52/MT43/MT42/MT33/MT32/MT23/MT22/FN23

S-PART NO.

· ESMSHUNCPISN(size)

AVAILABLE SIZES

· 36 - 50



WOMEN'S INSOLE

FIRM, HIGH BREATHABILITY INSOLE. EVA MOLDED CRADLE AND ARCH SUPPORT. FIT WITH CURVED LAST SHOES.

COMPATIBLE WITH

For SH-WR41/WR40/WR35/WR31/WT52/WT51/WM82/WM81/WM62/WM61/WM51/WM50/WM43/WM41/WF23

S-PART NO.

· ESMSHWUNCPIS(size)

AVAILABLE SIZES

· 36 - 44



HIGH DENSITY CUP INSOLE WITH ADAPTABLE ARCH PADS (RP901)

DURABLE HIGH DENSITY FOAM. CURVED CUP INSOLE WITH ADAPTABLE ARCH PADS OPTIMIZES LATERAL ANGLE OF HEEL BONE. SILVADUR™ INTELLIGENT FRESHNESS STAY FABRIC FRESHER LONGER.

COMPATIBLE WITH

For SH-RC900/RC700/RP901/RP501/RP501 WOMEN/XC900/XC700/MW500/RT500/RT500 WOMEN/RT400/RT400 WOMEN

S-PART NO.

· ESMSHRP9PIN (size)

AVAILABLE SIZES

· 36 - 38, 39 - 40, 41 - 42, 43 - 44, 45 - 46, 47 - 48, 49 - 50



DUAL DENSITY EXTRA-CUSHION INSOLE (M200)

THE CUP SHAPE OF THIS INSOLE SERVES TO OPTIMIZE THE HEEL ANGLE AND ENSURE STABILITY WHILE PEDALING. THIS INSOLE IS EQUIPPED WITH A HARD, HIGH-DENSITY, AND HIGHLY DURABLE EVA HEEL CUP. CUSHIONING IN THE HEEL SECTION PROVIDES ADDED COMFORT WHEN WALKING.

COMPATIBLE WITH

For SH-ME700/ME500/M200/M163/ME300/ME300 WOMEN/M089/M162/M161/M123/AM51/MW700/WM64

S-PART NO.

· ESMSHM200CPIN(size)

AVAILABLE SIZES

· 36 - 38, 39 - 40, 41 - 42, 43 - 44, 45 - 46, 47 - 48, 49 - 50



DUAL DENSITY CUP INSOLE (TR9)

THE CUP SHAPE OF THIS INSOLE SERVES TO OPTIMIZE THE HEEL ANGLE AND ENSURE STABILITY WHILE PEDALING. THIS INSOLE IS EQUIPPED WITH A HARD, HIGH-DENSITY, AND HIGHLY DURABLE EVA HEEL CUP.

COMPATIBLE WITH

For SH-RC900/R321/R320/R315/R310/RP901/RP900/R260/R241/R240/R191/R190/RC700/R171/R170/R133/R132/RP501/RP501 WOMEN/RP500/RP500 WOMEN/R107/R106/R105/RP300/RP300 WOMEN/R088/R087/RP200/RP200 WOMEN/R078/R077/RP100/R065/R064/RW500/TR900/TR900 WOMEN/TR60/TR52/TR500/TR500 WOMEN/TR32/TR31/RT82/RT33/RT32/XC900/XC90/XC70/XC700/XC61/XC60/XC500/XC500 WOMEN/XC51/XC51N/XC50/XC50N/XC31/M315/M310/M240/MW81/MW500/MT91/MT71/MT54/RT500/RT500 WOMEN/RT400/RT400 WOMEN/WR84/WR83/WR82/WR81/WR62/WR61/WR60/WR42/WR41/WR32/WR31/WT60/WT52/WM83/WM53/WF23/FN23

S-PART NO.

· ESMSHTR900IN(size)

AVAILABLE SIZES

· 36 - 50



CT/UT INSOLE

THIS INSOLE INCORPORATES SHOCK-ABSORBING EVA TO ENHANCE COMFORT WHILE WALKING.

COMPATIBLE WITH

For SH-CT80/CT71/CT70/CT46/CT45/CT41/CT40/UT70/CW41/CW40

S-PART NO.

· ESMSHCT70IN(size)

AVAILABLE SIZES

· 36 - 48



AM/MT INSOLE

THIS INSOLE FEATURES GROOVES ON THE FRONT AND BACK THAT ARE DESIGNED TO ADAPT TO VARIOUS FOOT SHAPES AND RIDING CONDITIONS.

COMPATIBLE WITH

For SH-AM901/AM900/AM701/AM500/GR900/GR700/GR700 WOMEN/MT700/MT500/MT500 WOMEN/MT300/MT300 WOMEN/MT44/MT34/WM34/CT500/CT500 WOMEN

S-PART NO.

· ESMSHAM900IN(size)

AVAILABLE SIZES

· 36 - 38, 39 - 40, 41 - 42, 43 - 44, 45 - 46, 47 - 48

CLEATS



SM-SH10/11/12 SPD-SL CLEATS

S-PART NO.
· SM-SH10 (fixed type) Y42U98020
· SM-SH11 (6 degree float type) Y42U98010
· SM-SH12 (2 degree front center pivoting type) Y40B98140



SPD-SL CLEAT BOLTS

S-PART NO.
· Y42U14200 (Normal)
· Y42U98070 (Medium)
· Y42U98060 (Long)

SIZES
· Normal (M5×8 mm) 1 pc
· Medium (M5×10 mm) 6 pcs
· Long (M5×13.5 mm) 6 pcs



SM-SH20 CLEAT SPACERS

STACKABLE CLEAT SPACERS THAT PROVIDE BETWEEN 1 MM AND 5 MM OF HEIGHT-ADJUSTMENT RANGE

COMPATIBLE WITH
SM-SH10/SH11/SH12

S-PART NO.
Y40B98150

SIZES
· 1 mm spacer 1 pc
· 2 mm spacer 2 pcs
· M5×10 mm bolt 3 pcs
· M5×13.5 mm bolt 3 pcs



SM-SH45 SPD-SL CLEAT COVERS

S-PART NO.
· ESMSH45



CLEAT HOLE SPACER

COMPATIBLE WITH
SH-M200/M163/M089/ME700/ME500/M163/M089

S-PART NO.
· ESMSHM200CHS



SM-SH51 SPD CLEATS

SINGLE DIRECTION RELEASE AND "EASY STEP-IN" FEATURE.

S-PART NO.
· Y42498220
· Y42498201 (without cleat nut)



SM-SH56 SPD CLEATS

MULTI-DIRECTIONAL RELEASE EXCEPT FOR PD-M858

S-PART NO.
· Y41S98092
· Y41S98100 (without cleat nut)



CLEAT NUT

COMPATIBLE WITH
SM-SH51/52/55/56

S-PART NO.
· Y4L0E0400 (1 pc)



SPD CLEAT SPACERS

S-PART NO.
· YL8098030



SM-SH40 SPD CLEAT ADAPTERS

DURABLE, NON-SLIP PU COATING ON PONTOON.
LONG CLEAT MOUNT BOLTS AND NON-TURN BOLTS ARE INCLUDED.

COMPATIBLE WITH
SH-RP500/R107/RP300/R088/RP200/R078/R065/R064/TR500/TR32/TR31/RW500/RP500 WOMEN/WR62/RP300 WOMEN/WR42/RP200 WOMEN/WR32/TR500 WOMEN

S-PART NO.
· ESMSH40M (without cleat)
· ESMSH4051M (with SM-SH51)
· ESMSH4056M (with SM-SH56)



NEW

SM-SH41 SPD CLEAT ADAPTERS

SIMPLE ADAPTER WITH MINIMUM CLEAT ADJUSTABLE RANGE.
EXPAND SPD COMPATIBILITY OF ROAD SHOES.

For all SHIMANO 3-hole outsoles

S-PART NO.
· ESMSH41



CLEAT CAP

COMPATIBLE WITH
SH-XM900/M700/MT71/MT700/MT54/MT53/MT500/MT500 WOMEN/MT44/MT43/MT300/MT300 WOMEN/MT34/MT33/WM43/WM34/SD50/CT80/CT71/CT70/CT46/CT45/CT41/CT40/UT70/CW41/CW40

S-PART NO.
· ESMSHMT33CC



NEW

CLEAT CAP

COMPATIBLE WITH
SH-CT500/CT500 WOMEN

S-PART NO.
· ESMSHCT500CC



SPD SEAL

WATERPROOF SEAL FOR SPD

S-PART NO.
· ESMSHME700SEAL



REPLACEABLE HEEL PADS

COMPATIBLE WITH
SH-RC900

S-PART NO.
· ESMSHRC900HP

BUCKLES & STRAPS



ADAPTABLE BUCKLES & STRAP SET

COMPATIBLE WITH
SH-R321/R171/RP900/RP500/RP500 WOMEN/WR84

S-PART NO.
· BLACK : ESMSHR321ABSSL2
· WHITE : ESMSHR321ABSSW2



BUCKLE SET

COMPATIBLE WITH
SH-ME700/ME500/ME300/ME300 WOMEN

S-PART NO.
· BLACK : ESMSHME700BSSL



BOA IP1 REPAIR KIT 2 DIALS

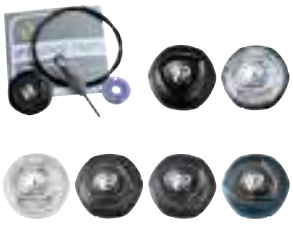
TWO DIALS FOR RIGHT, OR TWO DIALS FOR LEFT.

COMPATIBLE WITH
SH-RC900

S-PART NO.
· BLUE: ESMSHRC900BOAB(L/R)
· WHITE: ESMSHRC900BOAW(L/R)
· YELLOW: ESMSHRC900BOABY(L/R)
· BLACK: ESMSHRC900BOAL(L/R)

COMPATIBLE WITH
SH-XC900

S-PART NO.
· BLUE: ESMSHXC900BOAB(L/R)
· BLACK: ESMSHXC900BOAL(L/R)
· YELLOW: ESMSHXC900BOAY(L/R)



BOA IP1 REPAIR KIT 1 DIAL

RIGHT OR LEFT

COMPATIBLE WITH
SH-RC700/XC700

S-PART NO.
· BLACK: ESMSHRCXC7BOAL(L/R)
· WHITE: ESMSHRC700BOAW(L/R)

COMPATIBLE WITH
SH-RP901

S-PART NO.
· WHITE: ESMSHRP901BOAW(L/R) NEW
· BLACK: ESMSHRP901BOAL(L/R) NEW
· NAVY: ESMSHRP901BOAN(L/R) NEW
· BLUE: ESMSHRP901BOAB(L/R) NEW



NEW

BOA L6 REPAIR KIT 1 DIAL

COMPATIBLE WITH
SH-RP700 WOMEN/MT700/RP501/RP501 WOMEN/MT700

S-PART NO.
· GRAY: ESMSHRP7PBOAWG(L/R) NEW
· BLACK: ESMSHRP501BOAL(L/R) NEW
· WHITE: ESMSHRP501BOAW(L/R) NEW

The Boa® System dials and laces guaranteed for the lifetime of the product on which they are integrated. For more information about THE BOA® GUARANTEE and order, please visit Boa® Technology website https://www.theboasystem.com/support



LOW PROFILE BUCKLES & STRAP SET

COMPATIBLE WITH
SH-R320/R315/R260/R241/R170/R107/RP300/RP300 WOMEN/XC90/XC70/XC61/XC51/XC51N/M315/M200/M163/M089/WR83/WR62/WM83/WM64

S-PART NO.
· R315 type (color matching type) : ESMSHLOBWSS
· BLACK/BLACK : ESMSHLOLBLSS



LARGE BUCKLES & STRAP SET

COMPATIBLE WITH
SH-R310/R300/R191/R240/R220/R190/M310/M300/M240/M230/XC60/XC50/XC50N/WR82/WR81/WR80/WM82

S-PART NO.
· Universal : ESHUNILBS
· R310/M310 type (color matching type) : ESHRM310BS



SMALL BUCKLES & STRAP SET

COMPATIBLE WITH
SH-R215/R133/R132/R131/R130/R106/R088/R087/R086/R085/RT82/RT81/RT80/WR61/WR42/WR41/WR40/M225/M183/M182/M181/M162/M161/M088/M087/M086/WM81/WM80/WM63/WM62/WM61

S-PART NO.
· Universal : ESHUNISBS
· BLACK/BLACK : ESMSHUNISBSL



SPEED LACING PARTS KIT

COMPATIBLE WITH
SH-MT54/MT44/CT71/CT46/MT500/MT500 WOMEN/M200/MW700/RW500/MW500/AM901/GR900/ME700

S-PART NO.
· ESMSHMT44SLK(SH-MT54/MT44/CT71/CT46/MT500/MT500 WOMEN)
· ESMSHM200SLK(SH-M200/MW700/RW500/MW500/AM901/GR900/ME700)



MINI POWER STRAP SET

COMPATIBLE WITH
SH-MT91

S-PART NO.
ESMSHMT91MPS(size)

COMPATIBLE WITH
SH-XM900

S-PART NO.
· ESMSHXM900MPS(size)

COMPATIBLE WITH
SH-XC500/SH-XC500 WOMEN

S-PART NO.
· ORANGE: ESMSHXC5PMGMPS NEW
· BLACK: ESMSHXC5PMLMPS NEW
· MAGENTA: ESMSHXC5PWGMPS NEW

SPIKES & ACCESSORIES



REMOVABLE TOE SPIKES (18 MM HEIGHT)

18 MM HEIGHT TOE SPIKE FOR XC900/ XC700, LIGHTWEIGHT, HIGH TRACTION IN MUDDY GROUND.

COMPATIBLE WITH
SH-XC900/XC700

AM515-PART NO.
· ESMSHXC900SPIKE



REMOVABLE TOE SPIKES (10 MM HEIGHT)

COMPATIBLE WITH
SH-XC900/XC90/XC70/XC700/XC61/XC60/ XC500/XC500 WOMEN/XC51/XC51N/XC50/ XC50N/M315/M310/M240/M230/M183/ M182/M162/M161/M123/MW81/WM83/ WM82/WM81/WM80/AM51

S-PART NO.
· ESHM225SPIKE



REMOVABLE TOE SPIKES (7.5 MM HEIGHT)

COMPATIBLE WITH
SH-XC900/XC90/XC70/XC700/XC61/XC60/ XC500/XC500 WOMEN/XC51/XC51N/XC50/ XC50N/M315/M310/M240/M230/M183/ M182/M162/M161/M123/MW81/WM83/ WM82/WM81/WM80/AM51

S-PART NO.
· ESMSHXC90SPIKE



LOW PROFILE RESIN SPIKES

COMPATIBLE WITH
SH-XC900/XC90/XC70/XC700/XC61/XC60/ XC500/XC500 WOMEN/XC51/XC51N/XC50/ XC50N/M315/M310/M240/M230/M183/M182/ M162/M161/M123/MW81/WM83/WM82/ WM81/WM80/AM51

S-PART NO.
· ESMSHXC60SPIKER



(ESMSHRC900CLNT)

CLEAT NUT SET

COMPATIBLE WITH
SH-RC900

S-PART NO.
· ESMSHRC900CLNT

COMPATIBLE WITH
SH-R320/R321

S-PART NO.
· ESMSHR321CLNT

COMPATIBLE WITH
SH-RP901/RP900/R260/RC700/R171/R170/ RP501/RP501 WOMEN/TR900/TR900 WOMEN/ TR60/WT60

S-PART NO.
· ESMSHRP900CLNT

REFLECTORS



SM-PD58

COMPATIBLE WITH
PD-7810, PD-6700, PD-6620, PD-5700, PD-5610, PD-5600, PD-7800, PD-6610, PD-7750, PD-R670, PD-R600, PD-R540 and PD-R540-LA

S-PART NO.
· Y40R98080



SM-PD59

COMPATIBLE WITH
PD-A520

S-PART NO.
· Y40R98090



SM-PD60

COMPATIBLE WITH
PD-M9000, PD-M9020, PD-M980, PD-M985, PD-M8000, PD-M8020, PD-M647, PD-M785, PD-M780, PD-M530

S-PART NO.
· Y40Z98010



SM-PD61

COMPATIBLE WITH
PD-A530

S-PART NO.
· Y45Z98010



SM-PD62

COMPATIBLE WITH
PD-A600

S-PART NO.
· Y46D98050



SM-PD63

COMPATIBLE WITH
PD-R9100, PD-9000, PD-7900, PD-6700C

S-PART NO.
· Y46J98010



SM-PD64

S-PART NO.
Y46R98060



SM-PD64A

COMPATIBLE WITH
PD-M828, PD-GR500



SM-PD67

COMPATIBLE WITH
PD-M8040



SM-PD40 BUCKLE & STRAP SETS

COMPATIBLE WITH
PD-M545, PD-M424 and PD-M434

S-PART NO.
· Y41J98010



SM-PD22

COMPATIBLE WITH
PD-M970, PD-M770, PD-M959, PD-M515, PD-M520, PD-M540 and PD-M505

S-PART NO.
· Y41R98070

ORIGINAL TOOLS



TL-PD63
CONE ADJUSTING TOOL SET

COMPATIBLE WITH
SPD Pedal

S-PART NO.
· Y46098630



TL-PD33
CONE ADJUSTING TOOL SET

S-PART NO.
· Y41N98040



TL-HS40
CONE ADJUSTING TOOL

COMPATIBLE WITH
PD-9000/7900/7700/7750/7800

S-PART NO.
· Y13098320



TL-HS37
CONE ADJUSTING TOOL

COMPATIBLE WITH
PD-9000/7900/7700/7750/7800

S-PART NO.
· Y23098030



TL-PD40
CONE ADJUSTING TOOL

FOR LOOSENING/
TIGHTENING LOCK NUT

S-PART NO.
· Y42A09000

PEDAL ICONS

FEATURES

SPD-SL
Wide, performance-specific cleat design

SPD
Recessed, walkable cleat design

POP-UP CAGE
Easy entry pop-up binding design

CARBON BODY

MUD SHEDDING DESIGN
Open binding mechanism to better shed mud

AXLE LENGTH
+4 mm

EASY IDENTIFICATION OF EACH SHOE AND PEDAL RECOMMENDED USE

- ON ROAD
- CROSS ALPS
- TIME TRIAL
- ALL MOUNTAIN
- TRIATHLON
- FREE RIDE
- COMPETITION
- DOWN HILL
- FLAT HANDLE BAR/ ROAD BIKE
- BMX
- XC RACE
- TREKKING
- CROSS COUNTRY
- CASUAL MTB
- CYCLO CROSS
- CITY BIKE
- ENDURO
- WOMEN'S FIT
- TRAIL

APPAREL

>>> http://www.shimano-lifestylegear.com

HEAD TO TOE,
SHIMANO APPAREL
IS DESIGNED TO
PERFORM



S-PHYRE



BLACK
CW-JSRS-QS11ML



BACK



BLUE
CW-JSRS-QS11MH



YELLOW
CW-JSRS-QS11MF



BLACK
CW-PARS-QS11ML



BACK



BLUE
CW-PARS-QS11MH



YELLOW
CW-PARS-QS11MF

S-PHYRE
SHORT SLEEVE JERSEY

PROFESSIONAL GRADE RACING JERSEY

The shoulders of a jersey are the leading edge areas where resistance and turbulence are created if the wind detects even one micron of extra fabric. S-PHYRE jersey's first-to-market one-piece seamless design reduces drag while still being incredibly comfortable. After all, you need to be comfortable to be fast.

MATERIAL
· 75% Polyester, 25% Elastane

SIZE
· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL

RACING CHAMOIS

S-PHYRE
BIB SHORTS

PROFESSIONAL GRADE RACING BIB SHORTS

Bib shorts were originally designed for a smoother, seamless fit at the waist, but S-PHYRE shorts smooth out the entire fit across the thigh as well. The fabric is precision-knitted for compression, ventilation and moisture management.
A completely new S-PHYRE chamois has been developed for 2017. Its articulated rear section allows a freer range of motion and decreased power required to turn over the pedals. Graphics are knitted in, rather than applied, printed or sublimated. That means no hot spots. No compromise in compression. Nothing that gets in the way of fast.

CODE NO.
· CW-PARS-QS11M

MATERIAL
· Main body: 65% Polyamide, 33% Elastane, 2% Polyester
· Mesh part: 60% Polyester, 40% Elastane
· Part: 80% Polyamide, 20% Elastane

SIZE
· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL

RACING CHAMOIS





BACK

BLACK
CW-PARS-QS19ML



BLUE
CW-PARS-QS19MH



YELLOW
CW-PARS-QS19MF

S-PHYRE RACING SKIN SUIT

PROFESSIONAL GRADE RACING SKIN SUIT

There is a reason pro riders use skin suits to perform at their best. Combining the bib and jersey into one piece delivers better fit, better aerodynamics, less weight, fewer seams and improved moisture management. While S-PHYRE skin suits are engineered in SHIMANO's innovation lab and tested in the wind tunnel to provide maximum resistance reduction in the riding posture, they aren't just for pro-level racers. They're for elite riders in everyday applications.

MATERIAL

· Main body: 75% Polyester, 25% Elastane
· Part: 65% Polyamide, 33% Elastane, 2% Polyester

SIZE

· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL

RACING CHAMOIS





BACK

BLACK
CW-BLBS-RS13ML



WHITE
CW-BLBS-RS13MI

NEW

S-PHYRE SUMMER BASELAYER

SEAMLESS KNIT BASELAYER DESIGNED FOR DEALING WITH PHYSIOLOGICAL PHENOMENON, AND FOR WEARING WITH OUR JERSEY AND BIB SHORTS

S-PHYRE baselayer is system engineered to work with the S-PHYRE jersey and bib shorts to help a rider maintain peak performance and core temperature through ventilation and moisture management.
Utilizing advanced seamless construction techniques, this base layer fits like a second skin to maximize the linkage effect between rider and gear, ensuring maximum aerodynamic efficiency.

MATERIAL

· Main body : 8% Elastane, 37% Polyester, 55% Polypropylene
· Elastic band Part : 60% Microfiber, 25% Lycra, 15% Nylon

SIZE

· EUR: XS/S-XL/XXL/NA: XXS/XS-L/XL/LA: PP/P-GG/XG/Asia: S/M-XXL/XXXL





BACK

BLACK
CW-GLBS-QS11ML

S-PHYRE GLOVES

PROFESSIONAL GRADE RACING GLOVES

At SHIMANO, we know more than a little bit about how the hand-to-glove-to-shifter/hood interface should function. We know the more seamless, the better. And S-PHYRE gloves deliver more engineering and features into the palm of your hand than any glove we have brought to market.
S-PHYRE gloves feature a pre-curved design for the most conforming fit possible. The softest yet most durable palm material combines with a one-piece-variable-lint panel to optimally connect your hand to the shifter/hood position.
The result? Maximized feel and control in every condition.

MATERIAL

· Palm: 60% Polyamide, 40% Elastane
· Back of the hand: 65% Polyamide, 33% Elastane, 2% Polyester
· Pile: 100% Polyester
· Part : 83% Polyester, 17% Elastane

SIZE

· S-XXL



BLACK
CW-SCBS-QS31UL



NEON YELLOW
CW-SCBS-QS31UF



BLUE
CW-SCBS-QS31UH



WHITE
CW-SCBS-QS31UI

S-PHYRE TALL SOCKS

PROFESSIONAL GRADE RACING SOCKS

All socks are the same, right? But what if a sock could make a shoe better? S-PHYRE believes it can. By looking at the shoe/sock interface and applying our Linkage Effect approach, S-PHYRE socks combine thermoregulation, comfort, ankle roll stability, and heel slip-resistance with an extra-tall cuff that's guaranteed not to droop. Asymmetrical structural weaving of proprietary fabrics provides guiderails for proper foot alignment through the entire 360-degree crank rotation. And you thought a sock was just a sock. By the way, they look great with S-PHYRE shoes, and work even better too.

MATERIAL

· 58% Polyamide, 34% Polyester, 8% Elastane

SIZE

· S-XL

PERFORMANCE APPAREL



NAVY
CW-JSPS-RS11MS



BACK



BLACK
CW-JSPS-RS11ML



BLUE
CW-JSPS-RS11MH

NEW

SHIMANO EVOLVE JERSEY

ENGINEERED TO RIDE FURTHER AND FASTER WITH SEAMLESS CONSTRUCTION, INTEGRATED BASELAYER, AND COOLING MICRO VENTS.

FEATURES

· Dual-layer structure features a built-in baselayer and laser-cut micro vents at the chest, under arms, and back
· Premium fabric with luxurious hand feel and softness
· Lightweight design and construction
· Discreet reflectivity elements on back for low-light visibility
· Bonded seam construction for added comfort and clean look
· Glove-friendly zipper pull for easy opening and closing
· UPF 50+



MATERIAL

· Main body: 73% Polyamide, 27% Elastane
· Part: 94% Polyamide, 6% Elastane

SIZE

· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL





BLACK/RED
CW-JSPS-QS31M2



BACK



NEW COLOR
BLACK/WHITE
CW-JSPS-QS31M6



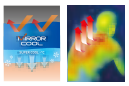
WHITE
CW-JSPS-QS31MI

MIRROR COOL JERSEY

HEAT-REFLECTIVE FABRIC BODY WITH HEAT-TRANSFER FABRIC BACK-CENTER PANEL IS TECHNOLOGY ENHANCED COOLING AT ITS FINEST.

FEATURES

· MIRROR COOL + Xylitol fabric for maximum coolness and comfort
· Slim Fit with 4-way stretch shoulder fabric
· HEAT VENTILATION system
· Quick-drying fabric
· Easy-access back pockets with sweat-proof zipper pocket
· UPF 40+ (except for mesh panels)

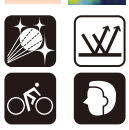


MATERIAL

· Main body: 100% Polyester
· Mesh part: 94% Polyester, 6% Elastane
· Part: 91% Polyester, 9% Elastane
· Sleeve: 86% Polyester, 14% Elastane

SIZE

· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL





NAVY
CW-PAPS-RS11MS



BACK



BLACK
CW-PAPS-RS11ML

NEW

SHIMANO EVOLVE BIB SHORTS

ENGINEERED TO RIDE FURTHER AND FASTER WITH FEATURES TO MAXIMIZE VIBRATION ABSORPTION, BREATHABILITY, AND COMFORT.

FEATURES

· New evolve chamois for comfort, vibration damping, and moisture management on extended rides
· Integrated supplement storage pocket on the leg
· Discreet reflectivity elements on lower legs for low-light visibility
· Soft and comfortable fabric provides quality feel and performance
· Open-mesh bib fabric with dimple surface quickly wicks moisture
· Bonded seam construction for added comfort and clean look



EVOLVE chamois

MATERIAL

· Main body: 59% Polyamide, 41% Elastane
· Part: 94% Polyamide, 6% Elastane

SIZE

· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL





BLUE
CW-JSGS-RS11MH



BACK



NEON YELLOW
CW-JSGS-RS11MF



WHITE
CW-JSGS-RS11MI

NEW

SHIMANO CLIMBERS JERSEY

CONSTRUCTED ENTIRELY OF DUAL-LAYER MESH TO DIFFUSE HEAT AND MAXIMIZE VENTILATION.

FEATURES

· Quick-drying construction
· Air-diffusing, 2-way-stretch fabric
· Three back pockets with sweat-proof pocket
· Elastic silicon gripper on back keeps jersey in place
· Reflective elements for low-light visibility

MATERIAL

· 100% Polyester

SIZE

· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL





BLACK/BLUE
CW-JSPS-QS51M5



BACK



NEW COLOR
WHITE/WHITE
CW-JSPS-QS51M9



WHITE
CW-JSPS-QS51MI

ESCAPE JERSEY

2-SIDED WAFFLE FABRIC WITH A HEAT-TRANSFER MESH BACK-PANEL VENT WORK TOGETHER TO KEEP THE RIDER COOL.

FEATURES

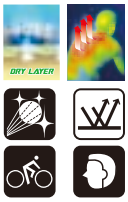
· Extra quick-drying fabric
· HEAT VENTILATION system
· 3-back pockets with sweat-proof pocket and reflective elements
· Silicon gripper keeps the jersey in place
· UPF 40+ (except for mesh panels)
· 360-degree reflectivity

MATERIAL

· Main body: 100% Polyester
· Mesh part: 94% Polyester, 6% Elastane
· Part: 91% Polyester, 9% Elastane

SIZE

· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL





GRAY
CW-JSPS-RS31MK



BACK



NAVY
CW-JSPS-RS31MS



NEON BLUE
CW-JSPS-RS31MT



NEON LIME
CW-JSPS-RS31MR

NEW

SHIMANO BREAKAWAY JERSEY

THIS SLIM FIT TRAINING JERSEY DELIVERS MAXIMUM PERFORMANCE, MOISTURE MANAGEMENT, COMFORT, AND VALUE.

FEATURES

· Slim Fit with 4-way stretch shoulder fabric
· Moisture-wicking and quick-drying body fabric
· Easy-access back pockets with sweat-proof zipper pocket
· Elastic silicon gripper on back keeps jersey in place
· UPF 40+
· Reflective elements for low-light visibility

MATERIAL

· Main body: 100% Polyester
· Part: 80% Polyester, 20% Elastane

SIZE

· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



GRAY
CW-PAPS-RS31MK



BACK



NAVY
CW-PAPS-RS31MS



NEON BLUE
CW-PAPS-RS31MT



NEON LIME
CW-PAPS-RS31MR

NEW

SHIMANO BREAKAWAY BIB SHORTS

MAXIMIZE YOUR TRAINING WITH THESE DURABLE HIGH PERFORMANCE BIB SHORTS.

FEATURES

· Performance air chamois offers seamless comfort, even on long rides
· Durable fabric retains shape for a superior, long-lasting fit
· Wide gripper band for comfortable fit
· Large bib mesh openings optimize moisture management and ventilation
· Reflective elements for low-light visibility



Performance air chamois

MATERIAL

· Main body: 80% Polyamide, 20% Elastane
· Side: 84% Polyester, 16% Elastane
· Mesh Part: 85% Polyester, 15% Elastane

SIZE

· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



BLUE
CW-JSGS-RS21MH



BACK



NEON YELLOW
CW-JSGS-RS21MF



RED
CW-JSGS-RS21MD



WHITE
CW-JSGS-RS21MI



NAVY
CW-JSGS-RS21MS

NEW

SHIMANO TEAM JERSEY

RACE-INSPIRED CONSTRUCTION COMBINED WITH PERFORMANCE FABRICS, BOLD GRAPHICS, AND A SLIM FIT.

FEATURES

· Superior moisture-transfer fabric
· Three back pockets
· UV protection
· Elastic silicon gripper on back keeps the jersey in place
· Reflective elements for low-light visibility

MATERIAL

· 100% Polyester

SIZE

· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



BLUE
CW-PAGS-RS21MH



BACK



NEON YELLOW
CW-PAGS-RS21MF



RED
CW-PAGS-RS21MD



WHITE
CW-PAGS-RS21MI



NAVY
CW-PAGS-RS21MS



BLACK
CW-PAPS-RS41ML



BACK

NEW

SHIMANO TEAM BIB SHORTS

A BIB SHORT WITH THE PERFORMANCE FABRICS, FEATURES, CHAMOIS, AND DESIGN TO PAIR WITH THE TEAM JERSEY.

FEATURES
· Cycling-specific anatomic pattern
· Performance chamois for breathable riding comfort
· Silicon leg gripper
· Mesh bib panel for breathability and ventilation

MATERIAL
· Main body: 77% Polyamide, 23% Elastane
· Side: 84% Polyester, 16% Elastane
· Part: 82% Polyester, 18% Elastane

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



Performance chamois



NEW

ADVANCED BIB SHORTS

SUPPLE FABRIC WITH ANATOMIC CONSTRUCTION ENABLE A SMOOTHER PEDALING MOTION AND ALL-DAY RIDER COMFORT.

FEATURES
· Reduced stretch-resistance fabric for improved range of motion and smoother pedaling cadence
· Updated patterning eliminates seams on inner thighs for pedaling ease
· Performance air chamois offers seamless comfort on the longest rides
· Gripper-free leg construction for improved comfort
· Elastic mesh on lower back for ventilation and comfort
· Reflective elements for low-light visibility
· Comfortable bib construction

MATERIAL
· Main body: 75% Polyamide, 25% Elastane
· Part: 85% Polyester, 15% Elastane

SIZE
· EUR: XS-XXL/NA: XXS-XL/LA: PP-XG/Asia: S-XXXL



Performance air chamois





BLACK
CW-PAPS-RS51ML



BACK



BLACK/LIME YELLOW
CW-PAPS-RS51M4



BLACK/WHITE
CW-PAPS-RS51M6



BLACK/BLUE
CW-PAPS-RS51M5



BLACK
CW-PAGS-RS11ML



BACK

NEW

SHIMANO ASPIRE BIB SHORTS

ANATOMIC SEAM PLACEMENT AND SUPPORTIVE ELASTIC FABRIC WITH A NEW SHIMANO CHAMOIS, FOR ALL-DAY PERFORMANCE.

FEATURES
· Performance plus chamois for long-lasting riding comfort
· Gripper-free leg construction for improved comfort
· Cycling-specific anatomic patterning
· Mesh bib for moisture management and ventilation
· Reflective elements for low-light visibility

MATERIAL
· Main body: 77% Polyamide, 23% Elastane
· Part: 82% Polyester, 18% Elastane

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



Performance plus chamois



NEW

SHIMANO BIB SHORTS

THE GREAT FIT OF BIB CYCLING SHORTS COMBINED WITH PERFORMANCE, COMFORT, VALUE, AND DURABILITY.

FEATURES
· 6-panel anatomical design for comfortable on-bike performance
· Performance chamois for breathable riding comfort
· Reflective elements for low-light visibility
· Silicon leg gripper
· Mesh bib for breathability and ventilation

MATERIAL
· Main body: 77% Polyamide, 23% Elastane
· Part: 82% Polyester, 18% Elastane

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



Performance chamois





BLACK
CW-PAGS-RS12ML



BACK

NEW

SHORTS SHIMANO

THIS POPULAR SHORT OFFERS A GREAT FIT TOGETHER WITH PERFORMANCE, COMFORT, VALUE, AND DURABILITY.

FEATURES
· 6-panel anatomical design for comfortable on-bike performance
· Performance chamois for breathable riding comfort
· Reflective elements for low-light visibility
· Silicon leg gripper

MATERIAL
· Main body: 77% Polyamide, 23% Elastane

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



Performance chamois





BLACK
CW-JAPS-RS12ML



BACK



RED
CW-JAPS-RS12MD



YELLOW
CW-JAPS-RS12MF

NEW

HYBRID WINDBREAK JACKET

WEATHER-PROTECTIVE JACKET EASILY CONVERTS TO A VEST FOR CHANGING CONDITIONS.

FEATURES
· Water-repellent coating keeps you dry in light rain
· Removable sleeves for added versatility
· Packable
· 360-degree high-visibility reflectivity

MATERIAL
· Main body: 100% Nylon
· Part: 100% Polyester

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL





BLUE
CW-WBGS-PS11MH



BLACK
CW-WBGS-PS11ML



LIME YELLOW
CW-WBGS-PS11MR



BLACK
CW-WBGS-PS12ML



LIME YELLOW
CW-WBGS-PS12MR

COMPACT WINDBREAKER

BIG PROTECTION IN A SMALL PACKAGE. THE IDEAL EMERGENCY JACKET TO PACK IN A JERSEY POCKET FOR SUDDEN CHANGES IN THE WEATHER.

FEATURES
· 360-degree highly-visible reflectivity
· Compact packable structure
· Windproof & water resistant fabric
· Packable into back pocket
· Silicon gripper on back keeps the jacket in place

MATERIAL
· Main body: 100% Polyester
· Mesh part: 100% Polyester

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



COMPACT WIND VEST

OUR SMALLEST AND LIGHTEST PROTECTION PACKAGE. ONLY WHAT YOU NEED TO WARM YOUR CORE IN MILDER/DRIER WEATHER.

FEATURES
· 360-degree highly-visible reflectivity
· Compact packable structure
· Windproof & water resistant fabric
· Packable into back pocket
· Elastic silicon gripper on back keeps the vest in place

MATERIAL
· Main body: 100% Polyester
· Mesh part: 100% Polyester

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL



WOMEN'S PERFORMANCE APPAREL



GRAY
CW-JSGS-RS21WK



BACK



GREEN/WHITE
CW-JSGS-RS21W4



NAVY/PINK
CW-JSGS-RS21W1



BLACK
CW-PAGS-RS22WL



BACK



NAVY
CW-PAGS-RS22WS

NEW

W'S TEAM SHIMANO JERSEY

MOISTURE MANAGEMENT AND UV PROTECTION PLUS REFINED GRAPHICS FOR A SIMPLE AND LUXURIOUS JERSEY.

FEATURES
· High-quality sublimation printing with tasteful graphics
· Extra-quick drying body fabric
· UPF 40+
· Three back pockets
· Reflective elements for low-light visibility
· Hem-band on back keeps jersey in place

MATERIAL
· Main body: 100% Polyester
· Part: 82% Polyester, 18% Elastane

SIZE
· EUR: WXS-WXXL/NA: WXXS-WXL/LA: WPP-WXG/Asia: WS-WXXXL



NEW

W'S TEAM SHIMANO SHORTS

ALL THE PERFORMANCE FABRICS, FEATURES, CHAMOIS, AND DESIGN NEEDED TO PAIR WITH OUR W'S TEAM JERSEY.

FEATURES
· W's SHIMANO performance chamois for breathable riding comfort
· Sublimation print on hems
· Emboss texture matches up with jersey
· Women's specific anatomic pattern tall wide waist band
· Gripper-free leg construction for improved comfort

MATERIAL
· 77% Polyamide, 23% Elastane

SIZE
· EUR: WXS-WXXL/NA: WXXS-WXL/LA: WPP-WXG/Asia: WS-WXXXL



W's Performance chamois





BLACK
CW-PAGS-RS14WL



BACK



BLACK
CW-PAGS-RS12WL



BACK

NEW

W'S SHIMANO 3/4 TIGHTS

WITH A TALL WAISTBAND AND STYLISH LEG OPENING, THESE 3/4 TIGHTS ARE PERFECT FOR COOL-CONDITION RIDING.

FEATURES
· Wide, flat waistband for superior comfort
· W's performance chamois for breathable riding comfort
· Reflective elements for low-light visibility

MATERIAL
· 77% Polyamide, 23% Elastane

SIZE
· EUR: WXS-WXXL/NA: WXXS-WXL/LA: WPP-WXG/Asia: WS-WXXXL



W's Performance chamois



NEW

W'S SHIMANO SHORTS

THESE POPULAR SHORTS OFFER A GREAT FIT TOGETHER WITH PERFORMANCE, COMFORT, VALUE, AND DURABILITY.

FEATURES
· Comfortable elastic silicon gripper band
· W's performance chamois for breathable riding comfort
· Reflective elements for low-light visibility

MATERIAL
· 77% Polyamide, 23% Elastane

SIZE
· EUR: WXS-WXXL/NA: WXXS-WXL/LA: WPP-WXG/Asia: WS-WXXXL



W's Performance chamois



EXPLORER SERIES APPAREL



OLIVE NIGHT
CW-JSTS-RS11MA



BACK



RAVEN
CW-JSTS-RS11MQ



ROOIBOS TEA
CW-JSTS-RS11ME



BLACK
CW-PATS-RS12ML



BACK



OLIVE NIGHT
CW-PATS-RS12MA

NEW

SHIMANO TRAIL JERSEY

THIS TRAIL/CASUAL MOUNTAIN JERSEY IS SYSTEM ENGINEERED FOR USE WITH SHIMANO BACKPACKS.

FEATURES
· Eyewear dock and cleaning wipe
· Breathable mesh shoulder panels
· Non-slip finish on shoulders helps secure backpack straps
· Zippered back hip pocket
· Durable and quick-drying fabric
· 360° reflectivity

MATERIAL
· Main body: 74% Polyester, 26% Cotton
· Part: 96% Polyester, 4% Spandex

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



NEW

SHIMANO TRAIL SHORTS

VERSATILE, FUNCTIONAL, AND COMFORTABLE LOOSE FIT SHORT, IDEAL FOR TRAIL OR CASUAL MOUNTAIN RIDING.

FEATURES
· Adjustable waist construction with 4-way stretch fabric in back
· Dry touch 4-way stretch main body fabric
· Water-repellent treatment
· Inseam vents holes
· Two front and one rear pocket
· Reflective elements

MATERIAL
· Main body: 91% Polyamide, 9% Spandex
· Part: 88% Polyester, 12% Spandex

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL





MOREL
CW-RACW-QS31MA



BACK



RAVEN
CW-RACW-QS31MQ



NEW COLOR
ALLOY
CW-WBCS-QS11MJ



BACK



NEW COLOR
NAVY BLAZER
CW-WBCS-QS11ML



RAVEN
CW-WBCS-QS11MQ

TRANSIT HARDSHELL JACKET

URBAN-STYLE RAIN PROTECTION KEEPS YOU DRY, SAFE, COMFORTABLE, AND LOOKING GREAT AROUND TOWN.

FEATURES
· DRYSHIELD® waterproof fabric with seam sealed construction and waterproof zipper
· Underarm zipper vents for temperature regulation
· Low-profile, elastic arm cuff structure
· 2 zippered side pockets
· Discreet Reflectivity elements for low-light visibility
· Adjustable drawcord waist

MATERIAL
· Main body: 80% Polyamide, 20% Polyester (Polyurethane breathable windproofing, Water repellency)
· Cuff: 72% Chloroprene rubber, 28% Polyamide
· Collar: 100% Polyester
· Mesh part: 100% Polyester

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL

DRYSHIELD



TRANSIT WINDBREAK JACKET

DRESS-SHIRT STYLED, CYCLING-SPECIFIC WINDBREAKER CREATES A FUNCTIONAL AND LIGHTWEIGHT OUTER LAYER.

FEATURES
· Roll-up sleeves help regulate moisture and temperature
· Lightweight and windproof fabrics
· Water-repellent finish keeps you dry in light rain
· Discreet reflectivity technology on back pockets
· Adjustable waist
· Zippered pockets on chest and lower back

MATERIAL
· Main body: 76% Polyamide, 24% Polyester (Water repellent)
· Part: 100% Polyester

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL







BACK

NEW COLOR
ALLOY
CW-JSCS-QS12MJ



NEW COLOR
DUSKY GREEN
CW-JSCS-QS12MG



NEW COLOR
NAVY BLAZER
CW-JSCS-QS12ML

TRANSIT CHECK BUTTON UP SHIRT

CASUAL-SHIRT STYLE WITH HIDDEN CYCLING FUNCTIONALITY ON OR OFF THE BIKE.

FEATURES

· Stretch shoulder design for flexibility in the riding position
· Antibacterial moisture-wicking/quick-drying fabric
· One zippered pocket on right lower back
· Secure, zippered chest pocket fits most large-screen phones
· UPF 50+
· Discreet reflectivity elements for low-light visibility
· Rolled cuff reveals extra reflectivity

MATERIAL

· Main body: 100% Polyester (Antibacterial finishing)
· Mesh part: 100% Polyester
· Part: 100% Polyester

SIZE

· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.





BACK

NEW COLOR
ALLOY
CW-JSCS-QS21MJ



NEW COLOR
DUSKY GREEN
CW-JSCS-QS21MG



NEW COLOR
NAVY BLAZER
CW-JSCS-QS21ML

TRANSIT SHORT SLEEVE CHECK BUTTON UP SHIRT

SHORT-SLEEVE STYLE AND COMFORT.
THIS CASUAL SHIRT BLENDS STYLE WITH COMFORT, ON OR OFF THE BIKE.

FEATURES

· Stretch shoulder design for flexibility in the riding position
· Odor reduction with moisture-wicking and quick-dry fabric
· One zippered pocket on lower, right back
· Secure, zippered chest pocket fits most large-screen phones
· UPF 50+
· Discreet reflectivity elements for low-light visibility

MATERIAL

· Main body: 100% Polyester (Antibacterial finishing)
· Mesh part: 100% Polyester
· Part: 100% Polyester

SIZE

· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.





BACK

NEW COLOR
ALLOY
CW-JSCS-QS31MJ



NEW COLOR
DUSKY GREEN
CW-JSCS-QS31MG



NEW COLOR
NAVY BLAZER
CW-JSCS-QS31ML



RAVEN
CW-JSCS-QS31MQ

TRANSIT POLO

COMBINES TECHNICAL FUNCTION WITH CASUAL STYLING. LOOKS GREAT WHILE RIDING, HIKING, OR GRABBING A COFFEE.

FEATURES

· Discreet Reflectivity technology for low-light visibility
· Odor reduction with moisture-wicking and quick-dry fabric
· One zippered pocket on right, lower back
· Secure, zippered chest pocket fits most large-screen phones
· UV protection

MATERIAL

· 100% Polyester (Antibacterial finishing)

SIZE

· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.





BACK

NEW COLOR
ALLOY
CW-JSCS-QS41MJ



NEW COLOR
DUSKY GREEN
CW-JSCS-QS41MG



NEW COLOR
NAVY BLAZER
CW-JSCS-QS41ML



RAVEN
CW-JSCS-QS41MQ

TRANSIT PAVEMENT JERSEY

TRADITIONAL CYCLING-INSPIRED STYLE WITH A HIDDEN REAR POCKET TO ENSURE YOU BLEND IN WHEN NOT IN THE SADDLE.

FEATURES

· Discreet Reflectivity technology for low-light visibility
· Odor reduction with moisture-wicking and quick-dry fabric
· One zippered pocket on right, lower back
· Zippered secure pocket at chest (for phone)
· UV protection

MATERIAL

· 100% Polyester

SIZE

· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.



AEGEAN BLUE
CW-JSCS-RS11MK



BACK



ALLOY
CW-JSCS-RS11MJ



DUSKY GREEN
CW-JSCS-RS11MG



NAVY BLAZER
CW-JSCS-RS11ML



NEW COLOR
ALLOY
CW-PACS-QS12MJ



BACK



NEW COLOR
DUSKY GREEN
CW-PACS-QS12MG



BLACK
CW-PACS-QS12ML



RAVEN
CW-PACS-QS12MQ

NEW

TRANSIT T-SHIRT

CYCLING FUNCTIONALITY WITH THE TIMELESS LOOKS AND COMFORT OF YOUR FAVORITE.

FEATURES
· Discreet reflectivity technology for low-light visibility
· Quick-dry fabric
· UV protection

MATERIAL
· 100% Polyester (Antibacterial finishing)

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL

silvadur

Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.

TRANSIT PATH SHORTS

HIGHLY VERSATILE SHORT WITH 4-WAY STRETCH FABRIC WITH RANGE OF MOTION SUITED FOR LIFE ON OR OFF THE BIKE.

FEATURES
· Discreet reflectivity technology on back pockets
· Cycling-specific design and cut
· Stretch fabrics for ease of pedaling
· Deep front pocket helps to keep objects in place
· Water-repellent fabric treatment repels spray and light rain

MATERIAL
· Main body: 89% Polyester, 11% Elastane (Water repellent)
· Part: 65% Polyester, 35% Cotton

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL



NEW COLOR
DUSKY GREEN
CW-PACS-QS36MG



BACK



RAVEN
CW-PACS-QS36MQ



NEON YELLOW
CW-RATW-QS71UF



BACK



BLACK
CW-RATW-QS71UL



NEON YELLOW
CW-RATW-QS73UF



BACK



BLACK
CW-RATW-QS73UL

TRANSIT PATH PANTS

HIGHLY VERSATILE PANT WITH 4-WAY STRETCH FABRIC WITH A WIDE RANGE OF MOTION FOR LIFE ON OR OFF THE BIKE.

FEATURES
· Discreet reflectivity technology on back pockets
· Rolled cuff reveals extra reflectivity
· Cycling-specific design and cut
· Stretch fabrics for easy pedaling
· Deep front pocket helps to keep objects in place
· Water-repellent fabric treatment repels spray and light rain

MATERIAL
· Main body: 89% Polyester, 11% Elastane (Water repellent)
· Part: 65% Polyester, 35% Cotton

SIZE
· EUR: S-XXXL/NA: XS-XXL/LA: P-XGG/Asia: M-4XL

EXPLORER RAIN JACKET

COMPACT 2.5 LAYER DRYSHIELD® WATERPROOF FABRIC WITH A SIMPLE AND BEAUTIFULLY FUNCTIONAL DESIGN.

FEATURES
· Seam-sealed DRYSHIELD® waterproof fabric with waterproof zipper
· Adjustable cuffs
· Napoleon chest pocket
· Back ventilation
· Carrying pouch
· Reflective elements for low-light visibility

MATERIAL
· Main body: 100% Polyamide (Polyurethane breathable waterproofing)

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL

EXPLORER RAIN PANTS

A SEAM-SEALED, WATERPROOF PANT THAT OFFERS PROTECTION WHEN IT'S WET, AND PACKABILITY WHEN IT'S NOT

FEATURES
· Seam-sealed DRYSHIELD® waterproof fabric
· Durable reinforcement in crotch area
· Velcro tabs prevent pants from getting caught in chain
· Carrying pouch
· Reflective elements for low-light visibility

MATERIAL
· Main body: 100% Polyamide (Polyurethane breathable waterproofing)

SIZE
· EUR: XS-XXXL/NA: XXS-XXL/LA: PP-XGG/Asia: S-4XL

WOMEN'S EXPLORER SERIES APPAREL





BACK



GARNET ROSE
CW-JSTS-RS11WD



RAVEN
CW-JSTS-RS11WQ

DUSKY GREEN
CW-JSTS-RS11WG

NEW

W'S SHIMANO TRAIL JERSEY

W'S TRAIL OR CASUAL OFF-ROAD JERSEY, SYSTEM ENGINEERED FOR USE WITH SHIMANO BACKPACKS.

FEATURES
- Eyewear dock and cleaning wipe
- Breathable mesh shoulder panels
- Non-slip finish on shoulders helps secure backpack straps
- Zippered back hip pocket
- Durable and quick-drying fabric
- UV protection
- 360-degree reflectivity

MATERIAL
- Main body: 74% Polyester, 26% Cotton
- Part: 96% Polyester, 4% Spandex

SIZE
- EUR: WS-WXXXL/NA: WXS-WXXL/LA: WP-WXGG/Asia: WM-W4XL







BACK



DUSKY GREEN
CW-PATS-RS12WG



GARNET ROSE
CW-PATS-RS12WD

BLACK
CW-PATS-RS12WL

NEW

W'S SHIMANO TRAIL SHORTS

VERSATILE, FUNCTIONAL, AND COMFORTABLE LOOSE-FIT W'S SHORT, PERFECT FOR TRAIL OR CASUAL MOUNTAIN RIDING.

FEATURES
- Adjustable waist construction with 4-way stretch fabric in back
- Dry Touch 4-way stretch main body fabric
- Water-repellent treatment
- Two front and one rear pocket
- Reflective elements

MATERIAL
- Main body: 91% Polyester, 9% Spandex
- Part: 88% Polyester, 12% Spandex

SIZE
- EUR: WS-WXXXL/NA: WXS-WXXL/LA: WP-WXGG/Asia: WM-W4XL







BACK

NEW COLOR
ALLOY
CW-JSCS-QS31WJ





BACK

NEW COLOR
ALLOY
CW-JSCS-QS41WJ





BACK

NEW COLOR
ALLOY
CW-PACS-QS12WJ



RAVEN
CW-PACS-QS12WQ



NEW COLOR
GREEN MILIEU
CW-JSCS-QS31WG



NEW COLOR
PURPLE IMPRESSION
CW-JSCS-QS31WH



RAVEN
CW-JSCS-QS31WQ



NEW COLOR
GREEN MILIEU
CW-JSCS-QS41WG



NEW COLOR
PURPLE IMPRESSION
CW-JSCS-QS41WH



RAVEN
CW-JSCS-QS41WQ

W'S TRANSIT POLO

COMBINES TECHNICAL FUNCTION WITH CASUAL STYLING. LOOKS GREAT WHILE RIDING, HIKING, OR GRABBING COFFEE.

FEATURES
- Odor reduction with moisture-wicking quick-drying fabric
- One zippered pocket on right, lower back
- Secure, zippered chest pocket fits the majority of large-screen phones
- UV protection
- Discreet reflectivity technology for low-light visibility

MATERIAL
- 100% Polyester (Antibacterial finishing)

SIZE
- EUR: WS-WXXL/NA: WXS-WXL/LA: WP-WXG/Asia: WM-WXXXL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.

W'S TRANSIT PAVEMENT JERSEY

CYCLING INSPIRED STYLE WITH A HIDDEN REAR POCKET TO ENSURE YOU BLEND IN WHEN NOT IN THE SADDLE.

FEATURES
- Discreet Reflectivity technology for low-light visibility
- Odor reduction with moisture-wicking and quick-drying fabric
- One zippered pocket on right, lower back
- Zippered secure pocket at chest (for phone)
- UV protection

MATERIAL
- 100% Polyester

SIZE
- EUR: WS-WXXL/NA: WXS-WXL/LA: WP-WXG/Asia: WM-WXXXL



Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.

W'S TRANSIT PATH SHORTS

4-WAY STRETCH FABRIC ENABLES INCREDIBLE RANGE OF MOTION ON TWO WHEELS, WHILE BEING EXTREMELY VERSATILE FOR LIFE OFF THE BIKE.

FEATURES
- Discreet reflectivity on back pockets
- Cycling-specific design and cut
- Stretch fabrics for ease of pedaling
- Deep front pocket help to keep objects in place
- Water repellent treatment applied to fabric repels spray and light rain

MATERIAL
- Main body: 89% Polyester, 11% Elastane (Water repellent)
- Part: 65% Polyester, 35% Cotton

SIZE
- EUR: WS-WXXL/NA: WXS-WXL/LA: WP-WXG/Asia: WM-WXXXL



ACCESSORIES





BACK

NAVY
CW-GLBS-RS61MS





BACK

NEW COLOR
NEON LIME
CW-GLBS-QS21YR



BEECH
CW-GLBS-RS61MA



BLACK
CW-GLBS-RS61ML



BLUE
CW-GLBS-RS61MH



WHITE
CW-GLBS-QS21YI



BLACK
CW-GLBS-QS21YL

NEW

EVOLVE GLOVES

LONG DISTANCE COMFORT AND CONTROL WITH SOFT TOUCH MATERIAL, FLEXION FREE DESIGN, AND VIBRATION/SHOCK ABSORBING GEL PADDING.

FEATURES
· Premium GEL padding for vibration and shock absorption
· FLEXION FREE, anatomic design for comfort and control
· Gusseted palm design for ease of grip
· Reflective elements on back
· UV protection

MATERIAL
· Palm : 60% Polyamide, 40% Elastane
· Back of the hand : 68% Polyamide, 32% Elastane
· Pile : 100% Polyester
· Part : 84% Polyester, 16% Elastane

SIZE
· S-XXL



ADVANCED GLOVES

SHIMANO'S FLEXION FREE DESIGN, PREMIUM MATERIALS, AND ADDED GRIP FOR OPTIMAL CONTROL AND BIKE FEEL.

FEATURES
· Extremely soft and smooth synthetic leather palm for excellent fit
· FLEXION FREE, anatomic design for comfort and control
· Extra compression structure
· Updated technical pad design
· 2 mm PORON®XRD™ padding
· Soft, low-profile wiping surface on thumb
· UV protection

MATERIAL
· Palm : 75% Polyester, 25% Elastane
· Back of the hand : 83% Polyester, 17% Elastane
· Pile : 70% Cotton, 30% Polyester
· Part : 84% Polyester, 16% Elastane
· Mesh part : 80% Polyamide, 20% Elastane

SIZE
· S-XXL
· WS-WXL







BACK

RED
CW-GLBS-RS21MD





BACK

DARK NAVY
CW-GLBS-RS11YS



BLACK
CW-GLBS-RS21ML



BLUE
CW-GLBS-RS21MH



WHITE
CW-GLBS-RS21MI



BLACK
CW-GLBS-RS11YL



BLUE
CW-GLBS-RS11YH



RED
CW-GLBS-RS11YD



WHITE
CW-GLBS-RS11YI

NEW

ESCAPE GLOVES

OUR ANATOMIC PALM WITH FLEXION FREE DESIGN AND MESH FABRIC FOR BREATHABILITY, COMFORT, AND CONTROL.

FEATURES
· FLEXION FREE, anatomic design for comfort and control
· Breathable, mesh-base palm with synthetic leather for durability
· Gusseted palm design for ease of grip
· Comfortable and breathable mesh on back of hands
· Strategically placed 4 mm lower/2 mm upper PORON® XRD™ padding
· UV protection

MATERIAL
· Palm : 57% Polyester, 29% Polyamide, 14% Elastane
· Back of the hands : 76% Polyester, 14% Polyamide, 10% Elastane

SIZE
· S-XXL



NEW

CLASSIC GLOVES

AN UPDATED ANATOMIC PALM DESIGN IMPROVES COMFORT, GRIP, AND CONTROL.

FEATURES
· Anatomic palm design for comfort and connection to the bike
· Reflective element on back of hands
· 3 mm EVA padding
· Hook and loop cuff closure
· Textured synthetic leather palm with stretch
· Soft, low-profile wiping surface on thumb

MATERIAL
· Palm : 89% Polyester, 9% Polyamid, 2% Elastane
· Back of the hands : 64% Polyamide, 15% Polyester, 15% Elastane, 6% Cotton

SIZE
· S-XXL
· WS-WXL





BACK



BLACK
CW-GLBS-RS12YL



BACK



DARK GREEN
CW-GLBS-RS31YG



BLACK
CW-GLBS-RS31YL



DARK CYAN
CW-GLBS-RS31YT



DEEP ORANGE
CW-GLBS-RS31YE



WHITE
CW-GLBS-RS31YI

NEW

ORIGINAL LONG GLOVES

FULL FINGER COVERAGE, FIRM-GRIP MATERIAL, AND EVA PADDING PROVIDE COMFORT, ABSORB VIBRATION, AND AID BIKE CONTROL.

FEATURES

· 4 mm EVA lower padding/1 mm EVA upper padding improves grip
· Touchscreen compatible
· Durable synthetic leather palm provides excellent grip
· New TPR hook and loop cuff adjuster
· New pad shape for comfort and control
· New palm material

MATERIAL

· Palm : 65% Elastane, 35% Polyamid
· Back of the hands : 68% Polyamide, 11% Polyester, 17% Elastane, 4% Cotton

SIZE

· S-XXL
· WS-WXL



NEW

ORIGINAL GLOVES

FIRM-GRIP MATERIAL AND EVA PADDING PROVIDE COMFORT, ABSORB VIBRATION, AND ENSURE BIKE CONTROL.

FEATURES

· 4 mm EVA lower padding with 1 mm EVA upper padding improves grip
· Durable synthetic leather palm provides excellent grip
· New pad shape for comfort and control
· New easy pull-off design
· Hook and Loop cuff adjuster
· Soft, low-profile wiping surface on thumb

MATERIAL

· Palm : 65% Elastane, 35% Polyamid
· Back of the hands : 71% Polyamide, 18% Elastane, 8% Polyester, 3% Cotton

SIZE

· S-XXL
· WS-WXL





BACK



RED
CW-GLBS-QS51YD



BLUE
CW-GLBS-QS51YH



BLACK
CW-GLBS-QS51YL



YELLOW GREEN
CW-GLBS-QS51YF

TOURING GLOVES

UPDATED WITH THICKER MEMORY FOAM PADS FOR IMPROVED FIT AND BETTER BIKE CONTROL. THE RESULT IS WONDERFULLY USEFUL GLOVES FOR ENTRY-LEVEL USERS TO ENTHUSIAST RIDERS.

FEATURES

· Memory foam padding (5 mm, 8 mm)
· Durable synthetic leather palm provides excellent grip
· Hand-back ventilation mesh
· UV protection
· Luxurious embossed design

MATERIAL

· Palm : 65% Elastane, 35% Polyamide
· Back of the hands : 71% Polyamide, 16% Elastane, 2% Polyester, 11% Cotton

SIZE

· S-XXL
· WS-WXL





BACK



BLACK
CW-GLBS-RS51YL



BLUE
CW-GLBS-RS51YH



RED
CW-GLBS-RS51YD



WHITE
CW-GLBS-RS51YI

NEW

VALUE GLOVES

AN AFFORDABLE, ENTRY-LEVEL GLOVE WITH THICKER PADDING ON PALM FOR A SECURE AND COMFORTABLE FEELING.

FEATURES

· 3 mm EVA padding
· Slip-on design
· Soft, low-profile wiping surface on thumb
· UV protection

MATERIAL

· Palm : 51% Polyamide, 49% Elastane
· Back of the hands : 37% Polyester, 37% Polyamide, 15% Cotton, 11% Elastane

SIZE

· S-XXL
· WS-WXL







BACK

NEW COLOR
ALLOY
CW-GLBS-QS42YJ



NEW COLOR
DUSKY GREEN
CW-GLBS-QS42YG



RAVEN
CW-GLBS-QS42YQ

TRANSIT LONG GLOVES

LONG-FINGER CYCLING GLOVES DESIGNED FOR GRIP AND BIKE CONTROL WITH FABRIC AND DESIGN COORDINATED TO MATCH EXPLORER APPAREL.

FEATURES

· Designed to match Explorer TRANSIT apparel
· Discreet reflectivity technology for low-light visibility
· High-quality Mélange fabric
· Touchscreen compatible
· New palm material and design
· 1.2 mm PORON®XRD™ padding on pinky finger side of palm

MATERIAL

· Palm : 80% Polyester, 20% Elastane
· Back of the hands : 91% Polyester, 5% Polyamide, 4% Elastane

SIZE

· S-XXL
· WS-WXL





Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.





BACK

NEW COLOR
ALLOY
CW-GLBS-QS41YJ



NEW COLOR
DUSKY GREEN
CW-GLBS-QS41YG



RAVEN
CW-GLBS-QS41YQ

TRANSIT GLOVES

DESIGNED FOR GRIP AND BIKE CONTROL WITH FABRIC AND DESIGN COORDINATED TO MATCH EXPLORER APPAREL.

FEATURES

· Designed to match Explorer TRANSIT apparel
· Discreet reflectivity technology for low-light visibility
· High-quality Mélange fabric
· New palm material and design
· 1.2 mm PORON®XRD™ padding on pinky finger side of palm
· Luxury look and feel
· UV protection

MATERIAL

· Palm : 80% Polyester, 20% Elastane
· Back of the hands : 86% Polyester, 7% Polyamide, 7% Elastane

SIZE

· S-XXL
· WS-WXL





Usage of antimicrobial on textiles is not meant to replace standard laundering or hygiene practices.



BLACK
CW-SCBS-QS21UL



BLUE
CW-SCBS-QS14UH



WHITE
CW-SCBS-QS14UI



BLACK
CW-SCBS-QS14UL

BREAKAWAY MID SOCKS

SPECIAL CONSTRUCTION PROVIDES INCREASED PERFORMANCE AND COMFORT.

FEATURES
· Cushion at stressed points during pedaling motion
· Left and right specific ventilation channels
· Anatomic arch compression for performance fit
· Standard cuff height

MATERIAL
· 97% Polyester, 3% Elastane

SIZE
· S-XL

ORIGINAL TALL SOCKS

CUSHIONED AT CRITICAL POINTS, PLUS ADDED VENTILATION TO ENSURE COMFORT NOW IN TALL LENGTH.

FEATURES
· Added cushioning at critical contact points
· Ventilation matched to SHIMANO cycling shoes
· Tall cuff height

MATERIAL
· 97% Polyester, 3% Elastane

SIZE
· S-XL



BLACK
CW-WABS-LS11ML

SUN BLOCK LEG WARMERS

LIGHTWEIGHT AND COMFORTABLE LEG WARMERS PROVIDE UV PROTECTION AND ANATOMICAL FIT.

FEATURES
· Dry-touch breathable fabric
· Anatomical multi-panel cut
· Seamless opening ankle
· Silicon gripper band at upper hems
· Reflective elements for low-light visibility

MATERIAL
· 74% Polyamide, 26% Elastane

SIZE
· XS-XL



WHITE
CW-WABS-LS12MI



BLACK
CW-WABS-LS12ML

SUN BLOCK ARM WARMERS

LIGHTWEIGHT AND COMFORTABLE ARM WARMERS PROVIDE UV PROTECTION AND ANATOMICAL FIT.

FEATURES
· Dry-touch breathable fabric
· Anatomical multi-panel cut
· Seamless opening cuff
· Silicon gripper band at upper hems
· Reflective elements for low-light visibility

MATERIAL
· 74% Polyamide, 26% Elastane

SIZE
· XS-XL



RED
CW-OABS-NC11UD



BLUE
CW-OABS-NC11UH



BLACK
CW-OABS-NC11UL

RACING CAP

ON THE BIKE OR OFF, THIS STYLISH CAP IS A WINNER.

FEATURES
· Cotton construction
· Designed to fit under a helmet
· UV protection

MATERIAL
· Main body: 65% Polyester, 35% Cotton
· Mesh part: 100% Polyester

SIZE
· One size

ONE



RED
CW-OABS-QS22UD



BLUE
CW-OABS-QS22UH



WHITE
CW-OABS-QS22UI



BLACK
CW-OABS-QS22UL

BANDANA

AN EXTENDED NECK SECTION OFFERS ADDITIONAL UV PROTECTION.

FEATURES
· Extended surface protects back of neck from sunburn
· Designed to fit under a helmet
· UPF 50+
· Quick-drying fabric

MATERIAL
· 100% Polyester

SIZE
· One size

ONE



BLACK
CW-BLBS-RS14ML



BACK

NEW

LINER SHORTS

LOW-RISE BOXER SHORT UNDER LAYER. HIDDEN COMFORT UNDER ANY SHORT REDUCES VIBRATION ON THE TRAIL AND IS PERFECT FOR INDOOR TRAINING.

FEATURES
· Pressure-mapped breathable chamois for comfortable riding
· Low-rise design works with under shorts or pants
· Quick-drying fabric

MATERIAL
· 82% Polyester, 18% Elastane

SIZE
· XS-XXXL



Liner shorts chamois



BLACK
CW-BLBS-RS14WL



BACK

NEW

W'S LINER SHORTS

WOMEN'S LOW-RISE UNDER SHORT. HIDDEN COMFORT UNDER ANY SHORT REDUCES VIBRATION ON THE TRAIL AND IS PERFECT FOR INDOOR TRAINING.

FEATURES
· Pressure-mapped breathable chamois for comfortable riding
· Low-rise design works under most shorts or pants
· Quick-drying fabric

MATERIAL
· 82% Polyester, 18% Elastane

SIZE
· WXS-WXXL



Liner shorts chamois



NEON YELLOW
CW-FABW-QS22UF



BLACK
CW-FABW-QS22UL

S3100X NPU+ SHOE COVER

UPDATED FABRIC AND DESIGN IMPROVES FIT AND PEDALING COMFORT OF THIS WATERPROOF COLD-WEATHER MTB SHOE COVER.

FEATURES

· Anatomic Optimal Panel Construction for pedaling comfort
· 3D-cut toe box matches MTB cycling shoes
· Anatomic 3D-cut heel design improves ankle fit
· Fully waterproof seams block rain and mud
· 3 mm highly stretchable neoprene with waterproof coating retains heat and provides insulation
· MTB specific design with Velcro sole adjustment for ideal fit

MATERIAL

· Main body: 40% Polyester, 50% Rubber, 10% Polyamide
· Part: 40% Polyester, 50% Rubber, 10% Polyamide

SIZE

· S-XXL





NEON YELLOW
CW-FABW-QS32UF



BLACK
CW-FABW-QS32UL

S3100R NPU+ SHOE COVER

OUR HIGH-PERFORMANCE WATERPROOF ROAD SHOE COVER PROVIDES IMPROVED FIT WITH UPDATED FABRIC AND PATTERN DESIGN.

FEATURES

· Anatomic Optimal Panel Construction for pedaling comfort
· Anatomic 3D-cut toe box matches road cycling shoes
· Anatomic 3D-cut heel design improves ankle fit
· Fully waterproof seams block rain and mud
· 3 mm highly stretchable neoprene with waterproof coating retains heat and provides insulation
· Road racing shoe specific design with semi-closed sole for ideal fit

MATERIAL

· Main body: 40% Polyester, 50% Rubber, 10% Polyamide
· Part: 40% Polyester, 50% Rubber, 10% Polyamide

SIZE

· S-XXL





NEON YELLOW
CW-FABW-QS42UF



BLACK
CW-FABW-QS42UL

S1100X H2O SHOE COVER

TRAIL SHOE COVERS WITH BRUSHED LINING FOR HEAT RETENTION, AND STRETCHABLE/DURABLE PU COATING FOR WATER AND WIND PROTECTION.

FEATURES

· Anatomic Optimal Panel Construction for pedaling comfort
· Anatomic 3D-cut toe box matches off-road shoes
· Durable waterproof PU coating
· Insulated fleece lining for added heat retention
· Off-road shoe specific with semi-closed sole
· Reflective elements for low-light visibility

MATERIAL

· 70% Polyamide, 30% Polyurethane

SIZE

· S-XXL





NEON YELLOW
CW-FABW-QS52UF



BLACK
CW-FABW-QS52UL

S1100R H2O SHOE COVER

ROAD CYCLING SHOE COVERS WITH ELASTIC, BRUSHED LINING FOR HEAT RETENTION, AND DURABLE PU COATING PROTECTION.

FEATURES

· Anatomic Optimal Panel Construction for pedaling comfort
· Anatomic 3D-cut toe box matches road cycling shoes
· Durable waterproof PU coating
· Insulated fleece lining for added heat retention
· Road shoe specific with semi-closed sole
· Reflective elements for low-light visibility

MATERIAL

· 70% Polyamide, 30% Polyurethane

SIZE

· S-XXL





NEON YELLOW
CW-FABW-QS62UF



BLACK
CW-FABW-QS62UL

S2100D SHOE COVER

SHORT-HEIGHT TRAIL SHOE COVER. THIN, FLEXIBLE COMFORT, WITH DURABLE PU COATING FOR RELIABLE WET-CONDITION PROTECTION.

FEATURES

· Anatomic Optimal Panel Construction for pedaling comfort
· Anatomic 3D-cut toe box matches trail cycling shoes
· Durable waterproof coating with added water-repellent finish
· 2 mm stretch neoprene with waterproof coating for cold/wet conditions
· Reflective elements for low-light visibility
· Fully waterproof sealed seams

MATERIAL

· 78% Styrene Butadiene Rubber, 11% Polyamide, 11% Polyurethane

SIZE

· S-XXL





BLACK
CW-FABW-QS72UL

WATERPROOF OVERSHOE

COMMUTER SPECIFIC COVER COMBINES WATERPROOF FABRIC AND CONSTRUCTION WITH LARGE REFLECTIVE ELEMENT.

FEATURES

· 3-layer waterproof fabric with waterproof sealed seams
· Large reflective elements
· Compatible with a wide variety of cycling shoes
· Velcro heel closure for secure fit and protection

MATERIAL

· Main fabric: 100% Polyamide

SIZE

· S-XXL





BLACK
CW-FABW-MS31UL

CLASSIC SHOE COVER

THE CLASSIC SHOE COVER DELIVERS COOL AND WET WEATHER PROTECTION.

FEATURES

· Durable fabric reinforcement on toes
· 3D-cut toe box matches cycling shoe contours
· 2 mm multi-stretch windproof neoprene for cold conditions
· Reflective elements for low-light visibility

MATERIAL

· 78% Styrene Butadiene Rubber, 22% Polyamide

SIZE

· S-XXL





BLACK
CW-FABW-MS51UL

BASIC SHOE COVER

ALL-AROUND WEATHER PROTECTION IN A WIDE RANGE OF RIDING SITUATIONS.

FEATURES

· 2 mm multi-stretch windproof neoprene for cool conditions
· 3D-cut toe box matches cycling shoe contours
· Reflective elements for low-light visibility

MATERIAL

· 78% Styrene Butadiene Rubber, 22% Polyamide

SIZE

· S-XXL





BLACK
CW-FABW-QS24UL

T1100R TOE COVER

EXTEND YOUR SEASON. THE T1100R OFFERS A FLEECE LINING AND A WATERPROOF PU COATING ON THE OUTSIDE.

FEATURES

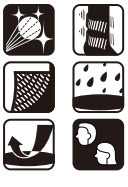
· Anatomic 3D-cut toe box perfectly matches cycling shoes
· Waterproof PU coated fabric
· Insulated fleece for heat retention
· Durable fabric reinforced toes

MATERIAL

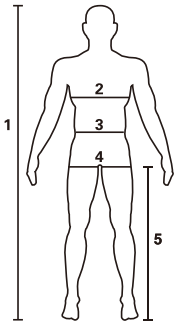
· Main fabric: 70% Polyamide, 30% Polyurethane
· Part: 78% Chloroprene rubber, 22% Polyester

SIZE

· S-XL



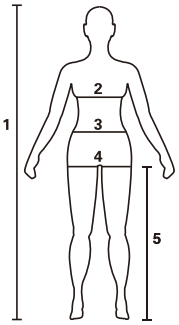
ADAPTIVE SIZE SPECS



MEN'S APPAREL

(cm)

EUROPE	XS	S	M	L	XL	XXL	XXXL
NORTH AMERICA	XXS	XS	S	M	L	XL	XXL
LATIN AMERICA	PP	P	M	G	GG	XG	XGG
ASIA	S	M	L	XL	XXL	XXXL	XXXXL
Height	157 - 167	167 - 173	172 - 178	177 - 183	183 - 189	189 - 195	189 - 195
Chest	85 - 89	90 - 93	94 - 97	98 - 100	101 - 107	107 - 113	114 - 120
Waist	72 - 76	77 - 81	82 - 86	87 - 91	92 - 97	97 - 101	101 - 107
Hip	85 - 89	90 - 93	94 - 97	98 - 100	101 - 107	107 - 113	114 - 120
Inseam	74 - 77	78 - 80	81 - 83	84 - 86	87 - 89	89 - 91	89 - 91



WOMEN'S APPAREL

(cm)

EUROPE	XS	S	M	L	XL	XXL	XXXL
NORTH AMERICA	XXS	XS	S	M	L	XL	XXL
LATIN AMERICA	PP	P	M	G	GG	XG	XGG
ASIA	S	M	L	XL	XXL	XXXL	XXXXL
Height	152 - 158	157 - 163	162 - 168	167 - 173	173 - 179	179 - 185	179 - 185
Chest	81 - 83	84 - 86	87 - 89	90 - 92	93 - 96	97 - 100	101 - 105
Waist	61 - 63	64 - 66	67 - 70	71 - 74	75 - 78	79 - 82	83 - 87
Hip	88 - 90	91 - 93	94 - 96	97 - 99	100 - 103	104 - 107	108 - 112
Inseam	71 - 73	74 - 76	77 - 79	80 - 82	83 - 84	85 - 87	85 - 87



HAND CIRCUMFERENCE

GLOVES

(cm)

		S	M	L	XL	XXL
Hand Circumference	Men's Gloves	17.8 - 20.3	20.3 - 22.9	22.9 - 24.8	24.8 - 26.7	26.7 - 28.6
Hand Circumference	Women's Gloves	16.5 - 18.3	18.3 - 19.6	19.6 - 20.8	20.3 - 22.1	

SHOE COVERS

(cm)

ORDER SIZE	S	M	L	XL	XXL
Foot Length	37 - 40	40 - 42	42 - 44	44 - 47	47- 49
Cm	23.2 - 25.2	25.2 - 26.5	26.5 - 27.8	27.8 - 29.8	29.8 - 31.2

SOCKS

(cm)

ORDER SIZE	S	M	L	XL
Foot Length	37 - 39	40 - 42	43 - 45	46 - 48
Cm	23.2 - 24.5	25.2 - 26.5	27.2 - 28.5	29.2 - 30.5

ONE ONE-SIZE

UNISEX

MTB

Shifting Lever----316-319
Shifting Lever (Integration Unit)----320
Brake Lever (Hydraulic Disc Brake)----320
Brake Lever----321
Shifting/Brake Lever (Hydraulic Disc Brake)----321
Shifting/Brake Lever----322-325
Rear Derailleur----326-329
Front Derailleur----330-335
Brake (Hydraulic Disc Brake)----336
Brake (Mechanical Disc Brake)----337
Brake (V-BRAKE)----337
Crankset----338-343
Chain Device----344
Chainring----344
Bottom Bracket (HOLLOWTECH II)----345
Bottom Bracket----346-347
Cassette Sprocket----348-349
Multiple Freewheel----349
Front Hub (Disc Brake)----350-351
Front Hub (Rim Brake)----351
FREEHUB (Disc Brake)----352-353
FREEHUB (Rim Brake)----354
Wheel (Disc Brake)----355-360
CI-DECK----361

TREKKING

Shifting Lever----362
Brake Lever (Hydraulic Disc Brake)----362
Brake Lever----362
Shifting/Brake Lever----363
Rear Derailleur----363
Front Derailleur----364
Brake (Hydraulic Disc Brake)----365
Brake (V-BRAKE)----365
Crankset----365
Front Hub (Rim/Disc Brake)----366
FREEHUB (Rim/Disc Brake)----366

URBAN SPORT

Shifting/Brake Lever (Hydraulic Disc Brake)----367
Brake (Hydraulic Disc Brake)----367
Brake Lever (Hydraulic Disc Brake)----367
Shifting Lever----367
Crankset----368
Front Derailleur----368
Rear Derailleur----368
Wheel (Disc Brake)----369

CITY

Internal Geared Hub----370-372
Chain Tensioner----372
Cassette Sprocket----372
Shifting Lever----373
Revo Shifter Integrated with Brake Lever----373
Brake Lever (Hydraulic Disc Brake)----374
Brake Lever----374
Brake (Hydraulic Disc Brake)----374
Brake (Roller Brake)----374
Crankset----375
Front Hub (Roller Brake)----375
FREEHUB (Roller Brake)----376
FREEHUB (Band Brake)----376
Head Parts----376
Electric Wire----376

ROAD

Shifting/Brake Lever----377-378
Shifting/Brake Lever (Hydraulic Disc Brake)----379
Shifting Lever----380
Brake Lever----381
Brake Lever (Hydraulic Disc Brake)----381
Brake (Caliper Brake)----382-383
Brake (Hydraulic Disc Brake)----383
Brake (Mechanical Disc Brake)----384
Brake (V-BRAKE)----384
Brake (Canti Lever Brake)----384
Brake Cable----384
Rear Derailleur----385
Front Derailleur----386-387
Crankset----388-391
Bottom Bracket (HOLLOWTECH II)----391
Bottom Bracket----391
Cassette Sprocket----392-393
Front Hub (Rim/Disc Brake)----394
FREEHUB (Rim/Disc Brake)----395
Wheel (Rim Brake)----396-398
Wheel (Disc Brake)----399-401
Head Parts----401

GENERAL

Chain----402
Chain QUICK-LINK----402
Disc Brake Rotor----402
Disc Brake Hose----403
Disc Brake Rotor Adapter----403
Outer Cable----403
Cable Adjuster----403
POWER MODULATOR----403
Hub Dynamo----404-407
Light----408-409
Light (SMRTX2)----409
E-THRU Axle (AX)----410
Cycle Computer----410
Pedal (SPD)----411
Pedal (CLICK'R)----411
Pedal (Flat)----411
Pedal (SPD-SL)----411

DI2 Spec

<MTB>
Shifting Switch----412
Rear Derailleur----412
Front Derailleur----412
Mount Adapter for Front Derailleur----412
System Information Display----413
<CITY>
Internal Geared Hub----413
Motor Unit----414
Shifting Switch----414
<ROAD>
Shifting/Brake Lever----414
Shifting/Brake Lever (Hydraulic Disc Brake)----414
Shifting Switch----415
Rear Derailleur----415
Front Derailleur----415
Front Derailleur (Adapter)----415
<URBAN SPORT>
Shifting/Brake Lever (Hydraulic Disc Brake)----416
Shifting Switch----416
Rear Derailleur----416
Front Derailleur----416
System Information Display----416
<GENERAL>
Electric Wire----417
Cord Cover----417
Grommet----417
Wireless Unit----417
Junction-A----417
Junction-B----417
Battery----418
Battery Mount----418
Battery Case----418
Battery Charger----418
Battery Cable----418
PC Linkage Device----418

E-BIKE

Cycle Computer----419
Switch Unit----419
Drive Unit----420
Drive Unit Cover----420
Speed Sensor Unit----420
Disc Brake Rotor----421
Adapter for Light----421
Crankarm----421
Chainring----422
Chain Device----422
Battery----422
Battery Mount----423
Battery Charger----423
DI2 Adapter----423

SPECIFICATIONS

▸▸▸ http://productinfo.shimano.com/specifications.html

Shifting Lever

Series		XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	SAINT	SAINT	DEORE XT
Model no.		SL-M9000-R	SL-M9000-L	SL-M9000-IR	SL-M9000-IL	SL-M980-A-R	SL-M980-A-L	SL-M980-B-IR	SL-M980-B-IL	SL-M820	SL-M820-B-I	SL-M8000-R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2/3	-	2/3	-	2/3	-	2/3	-	-	-
Rear speeds		11	-	11	-	10	-	10	-	10	10	11
Compatible rear derailleur type		MTB 11-speed RD	-	MTB 11-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	MTB 10-speed RD	MTB 11-speed RD
Mount Type	Clamp band	X	X	-	-	X	X	-	-	X	-	X
	I-SPEC B	-	-	-	-	-	-	X	X	-	X**	-
	I-SPEC II	-	-	X	X	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	X	X	-	-	X	X	-	X	-
Shifting lever rotation adjust		-	-	X	X	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X (CFRP)	X (CFRP)	X (CFRP)	X (CFRP)	X (CFRP)	X (CFRP)	X
2/3 mode converter		-	-	-	-	-	X	-	X	-	-	-
Max. multiple shifts (Main lever/rear)		4	-	4	-	4	-	4	-	4	4	4
Release function	MULTI RELEASE	X**	-	X**	-	X	-	X	-	X*	X*	X*
	INSTANT RELEASE	X	X	X	X	X	X	X	X	X	X	X
	2WAY-RELEASE	X	X	X	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	-	-	-	-	-	-	-	-	-	-	-
	with (removable)	-	-	-	-	-	-	-	-	-	-	X
	without	X	X	X	X	X	X	X	X	X	X	X
Multi-Bearing construction		4	4	4	4	4	4	4	4	4	4	2
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (pc)		200 g/pair	200 g/pair	205 g/pair	205 g/pair	99 g	104 g	103 g	98 g	123 g	114 g	127 g
Note		**pull:single, push:double		**pull:single, push:double						*pull:single, push:double	*pull:single, push:double **I-SPEC B-type	*pull:single, push:double

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		SL-M8000-L	SL-M8000-IR	SL-M8000-IL	SL-M8000-B-IR	SL-M8000-B-IL	SL-M780-B-IR	SL-M780-B-IL	SL-M780-R	SL-M780-L	SL-M770-A-R	SL-M770-A-L
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2/3	-	2/3	-	2/3	-	2/3	-	2/3	-	3
Rear speeds		-	11	-	11	-	10	-	10	-	9	-
Compatible rear derailleur type		-	MTB 11-speed RD	-	MTB 11-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 9-speed RD	-
Mount Type	Clamp band	X	-	-	-	-	-	-	X	X	X	X
	I-SPEC B	-	-	-	X	X	X	X	-	-	-	-
	I-SPEC II	-	X	X	-	-	-	-	-	-	-	-
Shifting lever position adjust		-	X	X	X	X	X	X	-	-	-	-
Shifting lever rotation adjust		-	X	X	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X	X	X
2/3 mode converter		-	-	-	-	-	-	X	-	X	-	-
Max. multiple shifts (Main lever/rear)		-	4	-	4	-	4	-	4	-	4	-
Release function	MULTI RELEASE	-	X*	-	X*	-	X	-	X	-	-	-
	INSTANT RELEASE	X	X	X	X	X	X	X	X	X	X	X
	2WAY-RELEASE	X	X	X	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	-	-	-	-	-	-	-	-	-	-	-
	with (removable)	X	-	-	-	-	-	-	X	X	X	X
	without	X	X	X	X	X	X	X	X	X	X	X
Multi-Bearing construction		2	2	2	2	2	2	2	2	2	2	2
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (pc)		117 g	120 g	110 g	117 g	107 g	114 g	106 g	128 g	121 g	255 g/pair	255 g/pair
Note			*pull:single, push:double		*pull:single, push:double							

Shifting Lever

Series		SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX
Model no.		SL-M7000-11-R	SL-M7000-L	SL-M7000-11-IR	SL-M7000-IL	SL-M7000-11-B-IR	SL-M7000-B-IL	SL-M7000-10-R	SL-M7000-10-IR	SL-M7000-10-B-IR	SL-M670-B-IR	SL-M670-B-IL
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2/3	-	2/3	-	2/3	-	-	-	-	2/3
Rear speeds		11	-	11	-	11	-	10	10	10	10	-
Compatible rear derailleur type		MTB 11-speed	-	MTB 11-speed	-	MTB 11-speed	-	MTB 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed RD	-
Mount Type	Clamp band	X	X	-	-	-	-	X	-	-	-	-
	I-SPEC B	-	-	-	-	X	X	-	-	X	X	X
	I-SPEC II	-	-	X	X	-	-	-	X	-	-	-
Shifting lever position adjust		-	-	X	X	X	X	-	X	X	X	X
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X	X	X
2/3 mode converter		-	-	-	-	-	-	-	-	-	-	X
Max. multiple shifts (Main lever/rear)		3	-	3	-	3	-	3	3	3	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	-	-	-	-	-	-	-	-	-	-	-
	with (removable)	X	X	-	-	-	-	X	-	-	-	-
	without	X	X	X	X	X	X	X	X	X	X	X
Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (pc)		135 g	130 g	120 g	115 g	127 g	120 g	135 g	120 g	127 g	121 g	116 g
Note												

Series		SLX	SLX	ZEE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		SL-M670-R	SL-M670-L	SL-M640	SL-M6000-R	SL-M6000-L	SL-M6000-IR	SL-M6000-IL	SL-M610-R	SL-M610-L	SL-M610-IR	SL-M610-IL
Color	1	Series color	Series color	Series color	Series black	Series black	Series black	Series black	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2/3	-	-	2/3	-	2/3	-	2/3	-	2/3
Rear speeds		10	-	10	10	-	10	-	10	-	10	-
Compatible rear derailleur type		MTB 10-speed RD	-	MTB 10-speed RD	MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-
Mount Type	Clamp band	X	X	X	X	X	-	-	X	X	-	-
	I-SPEC B	-	-	-	-	-	-	-	-	-	X	X
	I-SPEC II	-	-	-	-	-	X	X	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X	X	X
2/3 mode converter		-	X	-	-	-	-	-	-	X	-	X
Max. multiple shifts (Main lever/rear)		3	-	3	3	-	3	-	3	-	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	-	-	-	X	X	-	-	X	X	-	-
	with (removable)	X	X	-	-	-	-	-	-	-	-	-
	without	X	X	X	X	X	X	X	-	-	X	X
Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (pc)		265 g/pair	265 g/pair	127 g	-	-	-	-	-	-	-	-
Note												

Shifting Lever

Series		DEORE	DEORE	ALIVIO	ALIVIO	ALIVIO	ACERA	ACERA	ACERA	ACERA	ACERA	ALTUS
Model no.		SL-M590-R	SL-M590-L	SL-M4000-R	SL-M4000-L	SL-M4010-L	SL-M3000-R	SL-M3000-L	SL-M3010-L	SL-M360-R	SL-M360-L	SL-M2000-R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	3	-	3	2	-	3	2	-	3	-
Rear speeds		9	-	9	-	-	9	-	-	8	-	9
Compatible rear derailleur type		MTB 9-speed RD	-	MTB 9-speed RD	-	-	MTB 9-speed RD	-	-	MTB 8-speed RD	-	MTB 9-speed RD
Mount Type	Clamp band	X	X	X	X	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X	X	X
2/3 mode converter		-	-	-	-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		3	-	3	-	-	3	-	-	3	-	3
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X	X	X	X	X
	with (removable)	-	-	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Average weight (pc)		-	-	-	-	-	-	-	-	-	-	-
Note							*Stainless steel option available	*Stainless steel option available				

Series		ALTUS	SHIMANO	SHIMANO	SHIMANO	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.		SL-M2000-L	SL-M310-8R	SL-M310-7R	SL-M310-L	SL-RS47-8R	SL-RS47-7R	SL-RS47-L	SL-RS45-8R	SL-RS45-7R	SL-RS45-6R	SL-RS45-L
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front speeds		3	-	-	3	-	-	3	-	-	-	3
Rear speeds		-	8	7	-	8	7	-	8	7	6	-
Compatible rear derailleur type		-	MTB 8-speed RD	MTB 7-speed RD	-	MTB 8-speed RD	MTB 7-speed RD	-	MTB 8-speed RD	MTB 7-speed RD	MTB 6-speed RD	-
Mount Type	Clamp band	X	X	X	X	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X	X	X
2/3 mode converter		-	-	-	-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		-	3	3	-	7	6	-	7	6	5	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	-	-	-	-	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X	X	X	X	X
	with (removable)	-	-	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (pc)		-	-	-	-	-	-	-	-	-	-	-
Note						OGD frame :Chrome plating Compatible with CI-DECK	OGD frame :Chrome plating Compatible with CI-DECK	OGD frame :Chrome plating Compatible with CI-DECK	Compatible with CI-DECK	Compatible with CI-DECK	Compatible with CI-DECK	Compatible with CI-DECK

Shifting Lever

Series		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.		SL-RS36-7R	SL-RS36-6R	SL-RS36-L	SL-RS35-7R	SL-RS35-6R	SL-RS35-L	SL-RS35-LN	SL-RS34-6R	SM-RS34-L	SL-FT55-7R	SL-TX50-7R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	-	Thumb shifter Plus	Thumb Shifter Plus
Front speeds		-	-	3	-	-	3	3 (Friction)	-	-	-	-
Rear speeds		7	6	-	7	6	-	-	6	-	7	7
Compatible rear derailleur type		MTB 7-speed RD	MTB 6-speed RD	-	MTB 7-speed RD	MTB 6-speed RD	-	-	MTB 6-speed RD	-	MTB 7-speed RD	MTB 7-speed RD
Mount Type	Clamp band	X	X	X	X	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		-	-	X	-	-	X	X	-	-	-	-
2/3 mode converter		-	-	-	-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		6	5	-	6	5	-	-	5	-	6	6
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	-	-	-	-	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X	X	-	X	X
	with (removable)	-	-	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	-	OT-SIS40	OT-SIS40
Average weight (pc)		-	-	-	-	-	-	-	-	-	-	-
Note		w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	with LED position light, Electric wire length 200 mm (both Black/ gray color spec available)/for Japan market only, with CI-DECK spec available	with LED position light, Electric wire length 160 mm (both Black/ gray color spec available)/for Japan market only		

Series		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY TZ	TOURNEY TZ	TOURNEY TZ
Model no.		SL-TX50-6R	SL-TX50-L	SL-TX50-LN	SL-TX30-7R	SL-TX30-6R	SL-TX30-LN	SL-TZ500-7R	SL-TZ500-6R	SL-TZ500-LN
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-
Shifter type		Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter	Thumb Shifter	Thumb Shifter
Front speeds		-	3	3 (Friction)	-	-	3 (Friction)	-	-	3 (Friction)
Rear speeds		6	-	-	7	6	-	7	6	-
Compatible rear derailleur type		MTB 6-speed RD	-	-	MTB 7-speed RD	MTB 6-speed RD	-	MTB 7-speed RD	MTB 6-speed RD	-
Mount Type	Clamp band	X	X	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		-	X	X	-	-	X	-	-	-
2/3 mode converter		-	-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		5	-	-	6	5	-	6	5	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	-	-	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X*	X*	X*
	with (removable)	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (pc)		-	-	-	-	-	-	-	-	-
Note								* Gear Position Indicator	* Gear Position Indicator	* Gear Position Indicator

Shifting Lever (Integration Unit)

Series	XTR	XTR	SAINT	DEORE XT	DEORE XT
Model no.	SM-SL98-B-R	SM-SL98-B-L	SM-SL82-B	SM-SL78-B-R	SM-SL78-B-L
I-SPEC compatible	X*	X*	X*	X*	X*
Compatible shifting lever	SL-M980	SL-M980	SL-M820	SL-M780/SL-T780	SL-M780/SL-T780
Note	*I-SPEC B-type compatible	*I-SPEC B-type compatible	*I-SPEC B-type compatible	*I-SPEC B-type compatible	*I-SPEC B-type compatible

Brake Lever (Hydraulic Disc Brake)

Series		XTR	XTR	SAINT	DEORE XT	SLX	ZEE
Model no.		BL-M9000	BL-M9020	BL-M820-B	BL-M8000	BL-M7000	BL-M640-B
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (Finger)		2	2	2	2	2	2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake hose (Kit)		SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	White	-	-	White
J-Kit spec (for OEM)		X	X	X	X	X	X
SERVOWAVE		-	X	X	X	X	X
Reach adjust	Toolless	-	X	X	X	X	-
	Tool	X	-	-	-	-	X
Free stroke adjust		-	X	X	X	-	-
Compatible SL mount	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	X*	-	-	-
	I-SPEC II	X	X	-	X	X	X
Clamp band	Open clamp	X	X	X	X	X	X
Recommended brake caliper		BR-M9000	BR-M9020	BR-M820	BR-M8000	BR-M7000	BR-M640
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X	X	X
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/ lockring, w/o adapter, w/2bolts, w/Resin pad)		316 g	360 g	103.2 g**	402.5 g	418.8 g	116.7 g**
Note				*I-SPEC B-type **single item weight			*I-SPEC B-type **single item weight

Series		DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-M6000	BL-MT500	BL-M425	BL-M396	BL-M365	BL-M315
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (Finger)		2	2	2	2	3	3
Color	1	Series black	Series black	Black	Black	Black	Black
	2	Black (SHIMANO logo)**	-	White	White	White	-
	3	-	-	-	-	-	-
Brake hose (Kit)		SM-BH90-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
J-Kit spec (for OEM)		X	X	X	X	X	X
SERVOWAVE		X	X	-	-	-	-
Reach adjust	Toolless	-	-	-	-	-	-
	Tool	X	X	X	X	X	X
Free stroke adjust		-	-	-	-	-	-
Compatible SL mount	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	X	X	-	-	-	-
Clamp band	Open clamp	X	X	-	-	-	-
Recommended brake caliper		BR-M6000	BR-MT500	BR-M395	BR-M395	BR-M365	BR-M315
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X	X	X
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/ lockring, w/o adapter, w/2bolts, w/Resin pad)		-	-	-	-	-	-
Note		** M6000 kit only					

Brake Lever

Series		DXR
Model no.		BL-MX70
Color	1	Series color
	2	-
	3	-
Compatible brake type	V-BRAKE	X
	Mechanical disc brake (MTB)	X
	Mechanical disc brake (Road)	-
	Caliper (NEW SUPER SLR)	-
	Caliper (super SLR)	-
	Cantilever brake	-
	Roller brake	-
Recommended POWER MODULATOR	V-BRAKE	-
	Mechanical disc brake (MTB)	-
Clamp band	Open clamp band	-
	I-SPEC	-
	Diameter (mm)	-
Internal bumper stop		-
Lever size (Finger)		2
Brake cable type		T-type
Power adjuster		-
SERVOWAVE		-
Reach adjust		X
Cable adjust		X
Cable adjust type		One hand
Stainless clamp bolt		X
Average weight (pair)		175 g
Note		For BMX

Shifting/Brake Lever (Hydraulic Disc Brake)

Series			ALIVIO	ALIVIO	ACERA	ACERA	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-M4050-R	ST-M4050-L	ST-M3050-R	ST-M3050-L	ST-EF505-9R	ST-EF505-8R	ST-EF505-L
Color	1		Series color	Series color	Series color	Series color	Black	Black	Black
	2		-	-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
Shifting lever	Front speeds		-	3	-	3	-	-	3
	Rear speeds		9	-	9	-	9	8	-
	2/3 mode converter		-	-	-	-	-	-	-
	Max. multiple shifts (Main lever/rear)		3	-	3	-	3	3	-
	Compatible rear derailleur type		MTB 9-speed RD	-	MTB 9-speed RD	-	MTB 9-speed RD	MTB 8-speed RD	-
	I-SPEC compatible		-	-	-	-	-	-	-
	Shifting lever position adjust		-	-	-	-	-	-	-
	Release function	MULTI RELEASE	-	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-	-
		2WAY-RELEASE	X	X	-	-	-	-	-
	Shifting lever cable adjust		X	X	X	X	X	X	X
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X
		With (removable)	-	-	-	-	-	-	-
		Without	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-
	Shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Brake lever	Lever size (Finger)		2	2	2	2	3	3	3
	Brake hose (Kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-	-
	J-Kit spec (for OEM)		X	X	X	X	X	X	X
	Recommended brake caliper		BR-M4050	BR-M4050	BR-M3050	BR-M3050	BR-M315	BR-M315	BR-M315
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Toolless	-	-	-	-	-	-	-
		Tool	X	X	X	X	X	X	X
	Funnel bleeding		X	X	X	X	X	X	X
	Free stroke adjust		-	-	-	-	-	-	-
	SERVOWAVE		-	-	-	-	-	-	-
Clamp band	Open clamp		-	-	-	-	-	-	-
Shifter Lever body	Main		Resin & Steel	Resin & Steel	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin
	Release		Resin & Steel	Resin & Steel	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin
Stainless clamp bolt			X	X	X	X	-	-	-
Average weight			-	-	-	-	-	-	-
Note					*Stainless steel option available	*Stainless steel option available			

Shifting/Brake Lever

Series			ALIVIO	ALIVIO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-M4000-R	ST-M4000-L	ST-EF65-9R2	ST-EF65-9R4	ST-EF65-8R2	ST-EF65-8R4	ST-EF65-7R2	ST-EF65-7R4
Color	1		Series color	Series color	Black	Black	Black	Black	Black	Black
	2		-	-	Silver	Silver	Silver	Silver	Silver	Silver
Shifting lever	Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front speeds		-	3	-	-	-	-	-	-
	Rear speeds		9	-	9	9	8	8	7	7
	Compatible RD Type		MTB 9-speed RD	-	MTB 9-speed RD	MTB 9-speed RD	MTB 8-speed RD	MTB 8-speed RD	MTB 7-speed RD	MTB 7-speed RD
	SL position adjust		-	-	-	-	-	-	-	-
	SL cable adjust		X	X	X	X	X	X	X	X
	2/3 mode converter		-	-	-	-	-	-	-	-
	Max. multiple shifts (Main lever/ rear)		3	-	3	3	3	3	3	3
	Release function	MULTI RELEASE	-	-	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-	-	-
		2WAY-RELEASE	X	X	-	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X	X
		With (removable)	-	-	-	-	-	-	-	-
		Without	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-	-
	Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Brake lever	Compatible brake type	V-BRAKE	X	X	X	X with switch	X	X with switch	X	X with switch
		Mechanical disc brake (MTB)	X	X	X	X with switch	X	X with switch	X	X with switch
		Mechanical disc brake (Road)	-	-	-	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-	-	-	-
		Caliper (super SLR)	-	-	-	X with switch	-	X with switch	-	X with switch
		Cantilever brake	-	-	-	X with switch	-	X with switch	-	X with switch
		Roller brake	-	-	-	X with switch	-	X with switch	-	X with switch
	Recommended POWER MODULATOR	V-BRAKE	-	-	-	SM-PM40	-	SM-PM40	-	SM-PM40
		Mechanical disc brake (MTB)	-	-	-	SM-PM50	-	SM-PM50	-	SM-PM50
	Clamp band	Open clamp band	-	-	-	-	-	-	-	-
	Internal bumper stop		X	X	X	X	X	X	X	X
	Lever size (Finger)		2	2	2	4	2	4	2	4
	Brake cable type		T-type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
	Power adjuster		-	-	-	-	-	-	-	-
	SERVOWAVE		-	-	-	-	-	-	-	-
	Reach adjust		X	X	X	X	X	X	X	X
	Cable adjust		X	X	X	X	X	X	X	X
	Cable adjust type		Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
Average weight			-	-	-	-	-	-	-	-
Note						*V-BRAKE and Mechanical Disc Brake must be used with POWER MODULATOR. *INTER-M Compatible		*V-BRAKE and Mechanical Disc Brake must be used with POWER MODULATOR. *INTER-M Compatible		*V-BRAKE and Mechanical Disc Brake must be used with POWER MODULATOR. *INTER-M Compatible

Shifting/Brake Lever

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-EF65-L2	ST-EF65-L4	ST-M310-8R2	ST-M310-L2	ST-EF510-9R2A	ST-EF510-8R2A	ST-EF510-8R4A	ST-EF510-7R2A
Color	1		Black	Black	Black	Black	Black	Black	Black	Black
	2		Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
Shifting lever	Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front speeds		3	3	-	3	-	-	-	-
	Rear speeds		-	-	8	-	9	8	8	7
	Compatible RD Type		-	-	MTB 8-speed RD	-	MTB 9-speed RD	MTB 8-speed RD	MTB 8-speed RD	MTB 7-speed RD
	SL position adjust		-	-	-	-	-	-	-	-
	SL cable adjust		X	X	X	X	-	-	-	-
	2/3 mode converter		-	-	-	-	-	-	-	-
	Max. multiple shifts (Main lever/ rear)		-	-	3	-	3	3	3	3
	Release function	MULTI RELEASE	-	-	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-	-	-
		2WAY-RELEASE	-	-	-	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X	X
		With (removable)	-	-	-	-	-	-	-	-
		Without	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-	-
	Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Brake lever	Compatible brake type	V-BRAKE	X	X with switch	X	X	X	X	X with switch*	X
		Mechanical disc brake (MTB)	X	X with switch	X	X	X	X	X with switch*	X
		Mechanical disc brake (Road)	-	-	-	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-	-	-	-
		Caliper (super SLR)	-	X with switch	-	-	-	-	X with switch	-
		Cantilever brake	-	X with switch	-	-	-	-	X with switch	-
		Roller brake	-	X with switch	-	-	-	-	X with switch	-
	Recommended POWER MODULATOR	V-BRAKE	-	SM-PM40	-	-	-	-	SM-PM40	-
		Mechanical disc brake (MTB)	-	SM-PM50	-	-	-	-	SM-PM50	-
	Clamp band	Open clamp band	-	-	-	-	-	-	-	-
	Internal bumper stop		X	X	-	-	-	-	-	-
	Lever size (Finger)		2	4	2	2	2	2	4	2
	Brake cable type		T-type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
	Power adjuster		-	-	-	-	-	-	-	-
	SERVOWAVE		-	-	-	-	-	-	-	-
	Reach adjust		X	X	X	X	X	X	X	X
	Cable adjust		X	X	X	X	X	X	X	X
	Cable adjust type		Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
Average weight			-	-	-	-	-	-	-	-
Note				*V-BRAKE and Mechanical Disc Brake must be used with POWER MODULATOR. *INTER-M Compatible					* POWER MODULATOR must be used for front brake	

Shifting/Brake Lever

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-EF510-7R4A	ST-EF510-L2A	ST-EF510-L4A	ST-EF500-8R2A	ST-EF500-8R4A	ST-EF500-7R2A	ST-EF500-7R4A	ST-EF500-L2A
Color	1		Black	Black	Black	Black	Black	Black	Black	Black
	2		Silver	Silver	Silver	-	-	-	-	-
Shifting lever	Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front speeds		-	3	3	-	-	-	-	3
	Rear speeds		7	-	-	8	8	7	7	-
	Compatible RD Type		MTB 7-speed RD	-	-	MTB 8-speed RD	MTB 8-speed RD	MTB 7-speed RD	MTB 7-speed RD	-
	SL position adjust		-	-	-	-	-	-	-	-
	SL cable adjust		-	X	X	-	-	-	-	X
	2/3 mode converter		-	-	-	-	-	-	-	-
	Max. multiple shifts (Main lever/ rear)		3	-	-	3	3	3	3	-
	Release function	MULTI RELEASE	-	-	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-	-	-
		2WAY-RELEASE	-	-	-	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X	X
		With (removable)	-	-	-	-	-	-	-	-
		Without	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-	-
	Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Brake lever	Compatible brake type	V-BRAKE	X with switch*	X	X with switch*	X	X with switch*	X	X with switch*	X
		Mechanical disc brake (MTB)	X with switch*	X	X with switch*	X	X with switch*	X	X with switch*	X
		Mechanical disc brake (Road)	-	-	-	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-	-	-	-
		Caliper (super SLR)	X with switch	-	X with switch	-	X with switch	-	X with switch	-
		Cantilever brake	X with switch	-	X with switch	-	X with switch	-	X with switch	-
		Roller brake	X with switch	-	X with switch	-	X with switch	-	X with switch	-
	Recommended POWER MODULATOR	V-BRAKE	SM-PM40	-	SM-PM40	-	SM-PM40	-	SM-PM40	-
		Mechanical disc brake (MTB)	SM-PM50	-	SM-PM50	-	SM-PM50	-	SM-PM50	-
	Clamp band	Open clamp band	-	-	-	-	-	-	-	-
	Internal bumper stop		-	-	-	-	-	-	-	-
	Lever size (Finger)		4	2	4	2	4	2	4	2
	Brake cable type		T-type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
	Power adjuster		-	-	-	-	-	-	-	-
	SERVOWAVE		-	-	-	-	-	-	-	-
	Reach adjust		X	X	X	X	X	X	X	X
	Cable adjust		X	X	X	X	X	X	X	X
	Cable adjust type		Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
Average weight			-	-	-	-	-	-	-	-
Note			* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake	

Shifting/Brake Lever

Series			SHIMANO	TOURNEY TX	TOURNEY TX	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-EF500-L4A	ST-TX800-8R	ST-TX800-L	ST-EF41-7R	ST-EF41-6R	ST-EF41-L
Color	1		Black	Black	Black	Black	Black	Black
	2		-	Silver	Silver	-	-	-
Shifting lever	Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front speeds		3	-	3	-	-	3
	Rear speeds		-	8	-	7	6	-
	Compatible RD Type		-	MTB 8-speed RD	-	MTB 7-speed RD	MTB 6-speed RD	-
	SL position adjust		-	-	-	-	-	-
	SL cable adjust		X	-	X	-	-	X
	2/3 mode converter		-	-	-	-	-	-
	Max. multiple shifts (Main lever/ rear)		-	3	-	3	3	-
	Release function	MULTI RELEASE	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-
		2WAY-RELEASE	-	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X
		With (removable)	-	-	-	-	-	-
		Without	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-
	Recommended shifting lever outer casing		OT-SP40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Brake lever	Compatible brake type	V-BRAKE	X with switch*	X	X	X	X	X
		Mechanical disc brake (MTB)	X with switch*	X	X	X	X	X
		Mechanical disc brake (Road)	-	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-	-
		Caliper (super SLR)	X with switch	-	-	-	-	-
		Cantilever brake	X with switch	-	-	-	-	-
		Roller brake	X with switch	-	-	-	-	-
	Recommended POWER MODULATOR	V-BRAKE	SM-PM40	-	-	-	-	-
		Mechanical disc brake (MTB)	SM-PM50	-	-	-	-	-
	Clamp band	Open clamp band	-	-	-	-	-	-
	Internal bumper stop		-	-	-	-	-	-
	Lever size (Finger)		4	2	2	2	2	2
	Brake cable type		T-type	T-type	T-type	T-type	T-type	T-type
	Power adjuster		-	-	-	-	-	-
	SERVOWAVE		-	-	-	-	-	-
	Reach adjust		X	X	X	X	X	X
	Cable adjust		X	X	X	X	X	X
	Cable adjust type		Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
Average weight			-	-	-	-	-	-
Note			* POWER MODULATOR must be used for front brake					

Rear Derailleur

Series		XTR	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		RD-M9000-SGS	RD-M9000-GS	RD-M986-GS	RD-M986-SGS	RD-M820-SS	RD-M8000-SGS	RD-M8000-GS	RD-M781-GS	RD-M781-SGS	RD-M786-GS
Pulley cage		SGS	GS	GS	SGS	SS	SGS	GS	GS	SGS	GS
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Silver	Silver	Silver
	2	-	-	-	-	-	-	-	Black	Black	Black
Rear speeds		11	11	10	10	10	11	11	10	10	10
Compatible chain		HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Top-Normal spring type	SHIMANO SHADOW RD	-	-	-	-	-	-	-	X	X	-
	SHIMANO SHADOW RD+	X	X	X	X	X	X	X	-	-	X
	Double servo	-	-	-	-	-	-	-	-	-	-
Mount	Direct attachment (Conventional)	X	X	X	X	X	X	X	X	X	X
	Direct mount compatible	X*	X*	X*	X*	X*	X*	X*	X*	X*	X*
	Riveted adapter (Road type)	-	-	-	-	-	-	-	-	-	-
	Riveted adapter (BMX-Track type)	-	-	-	-	-	-	-	-	-	-
Mode converter		-	-	-	-	X	-	-	-	-	-
Cable adjuster		-	-	-	-	-	-	-	-	-	-
Max. front difference		18T	10T	18T	18T	Single	18T	10T	18T	22T	18T
Total capacity		45T	37T	35T	41T	25T	47T	39T	35T	43T	35T
Low sprocket	Max.	40T(3x11-speed) 42T(2x11-speed) 46T(1x11-speed)	42T(2x11-speed) 46T(1x11-speed)	36T	36T	28/36T	40T(3x11-speed) 42T(2x11-speed) 46T(1x11-speed)	42T(2x11-speed) 46T(1x11-speed)	36T	36T	36T
	Min.	40T	40T	32T	32T	23T	40T	40T	32T	32T	32T
Top sprocket	Max.	11T	11T	11T	11T	12T	11T	11T	11T	11T	11T
	Min.	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	4	4	4	5	4	4	4	4	4
Pulley	G pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	-	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	T pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	Teeth	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
	Sunken type pulley bolt	X	X	X	X	X	X	X	X	X	X
B-Axle	Hollow axle	X	X	X	X	X	X	X	X	X	X
B-Axle 2	Hollow axle	-	-	X	X	X	X	X	-	-	-
Average weight (pc)		224 g	221 g	211 g	213 g	280 g (w/o mode converter)	275 g	271 g	234 g	238 g	262 g
Note		*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available **For 3X11-speed,Max 40T for 2X11-speed, Max 42T for 1X11-speed, Max 46T	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available

Rear Derailleur

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX	SLX	ZEE
Model no.		RD-M786-SGS	RD-M772-GS	RD-M772-SGS	RD-M771-GS	RD-M771-SGS	RD-M7000-11-GS	RD-M7000-10-SGS	RD-M670-GS	RD-M670-SGS	RD-M640-SS
Pulley cage		SGS	GS	SGS	GS	SGS	GS	SGS	GS	SGS	SS
Color	1	Silver	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	Black	-	-	-	-	-	-	-	-	-
Rear speeds		10	9	9	9	9	11	10	10	10	10
Compatible chain		HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X11	HG-X	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Top-Normal spring type	SHIMANO SHADOW RD	-	X	X	-	-	-	-	X	X	-
	SHIMANO SHADOW RD+	X	-	-	-	-	X	X	-	-	X
	Double servo	-	-	-	X	X	-	-	-	-	-
Mount	Direct attachment (Conventional)	X	X	X	X	X	X	X	X	X	X
	Direct mount compatible	X*	-	-	-	-	X*	X*	X*	X*	X
	Riveted adapter (Road type)	-	-	-	-	-	-	-	-	-	-
	Riveted adapter (BMX-Track type)	-	-	-	-	-	-	-	-	-	-
Mode converter		-	-	-	-	-	-	-	-	-	-*
Cable adjuster		-	-	-	-	-	-	-	-	-	-
Max. front difference		22T	22T	22T	22T	22T	10T	22T	18T	22T	Single
Total capacity		43T	35T	45T	35T	45T	41T	43T	35T	43T	25T
Low sprocket	Max.	36T	36T	36T	34T	34T	42T(2x11-speed) 46T(1x11-speed)	36T	36T	36T	36T(Freeride spec) 28T(DH spec)
	Min.	32T	32T	32T	32T	32T	40T	32T	32T	32T	23T
Top sprocket	Max.	11T	11T	11T	11T	11T	11T	11T	11T	11T	12T
	Min.	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	4	4	4	4	4	2	3	3	3
Pulley	G pulley bearing	Sealed Bearing	-	-	-	-	-	-	-	-	-
	T pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	-	-	-	-	-
	Teeth	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
	Sunken type pulley bolt	X	X	X	X	X	X	X	X	X	X
B-Axle	Hollow axle	X	X	X	X	X	X	X	X	X	X
B-Axle 2	Hollow axle	-	-	-	-	-	X	X	-	-	-
Average weight (pc)		266 g	227 g	229 g	228 g	238 g	323 g	313 g	278 g	281 g	275 g
Note		*w/o bracket spec available					*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*Freeride spec and DH spec available

Rear Derailleur

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	ALIVIO	ACERA	ALTUS	ALTUS
Model no.		RD-M6000-GS	RD-M6000-SGS	RD-M610-GS	RD-M610-SGS	RD-M592-SGS	RD-M591-SGS	RD-M4000	RD-M3000	RD-M2000	RD-M370-SGS
Pulley cage		GS	SGS	GS	SGS	SGS	SGS	SGS	SGS	SGS	SGS
Color	1	Series black	Series black	Black	Black	Series color	Silver	Series color	Series color	Series color	Black
	2	-	-	Silver	Silver	-	Black	-	-	-	Silver
Rear speeds		10	10	10	10	9	9	9	9	9	9
Compatible chain		HG-X 10speed	HG-X 10speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Top-Normal spring type	SHIMANO SHADOW RD	-	-	X	X	X	-	X	X	X	-
	SHIMANO SHADOW RD+	X	X	-	-	-	-	-	-	-	-
	Double servo	-	-	-	-	-	X	-	-	-	X
Mount	Direct attachment (Conventional)	X	X	X	X	X	X	X	X	X	X
	Direct mount compatible	X*	X*	X*	X*	-	-	X*	X*	-	-
	Riveted adapter (Road type)	-	-	-	-	-	-	-	-	-	-
	Riveted adapter (BMX-Track type)	-	-	-	-	-	-	-	-	-	-
Mode converter		-	-	-	-	-	-	-	-	-	-
Cable adjuster		-	-	-	-	-	-	X	X	X	X
Max. front difference		10T	22T	18T	22T	22T	22T	22T	22T	22T	22T
Total capacity		41T	43T	35T	43T	45T	45T	45T	45T	45T	45T
Low sprocket	Max.	42T	36T	36T	36T	36T	34T	36T	36T	36T	34T
	Min.	42T	32T	32T	32T	32T	28T	32T	32T	32T	28T
Top sprocket	Max.	11T	11T	11T	11T	12T	12T	12T	12T	12T	11T
	Min.	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	3	3	3	3	3	2	1	-	-
Pulley	G pulley bearing	-	-	-	-	-	-	-	-	-	-
	T pulley bearing	-	-	-	-	-	-	-	-	-	-
	Teeth	11T	11T	11T	11T	11T	11T	11T	11T	11T	11/11T
	Sunken type pulley bolt	X	X	X	X	X	X	X	X	X	X (Guide pulley) - (Tension pulley)
B-Axle	Hollow axle	X	X	X	X	X	-	X	X	-	-
B-Axle 2	Hollow axle	X	X	X	X	-	-	X	-	-	-
Average weight (pc)		-	-	-	-	-	-	-	-	-	-
Note		*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available			*w/o bracket spec available	*w/o bracket spec available		

Rear Derailleur

Series		ACERA	ALTUS	TOURNEY TX	TOURNEY	TOURNEY	TOURNEY TZ	TOURNEY	TOURNEY
Model no.		RD-M360-SGS	RD-M310-Smart	RD-TX800	RD-TY500-SGS	RD-TY300-SGS	RD-TZ500-GS	RD-TY21-B-SS	RD-TY21-B-GS
Pulley cage		SGS	Smart	SGS	SGS	SGS	GS	SS	GS
Color	1	Black	Black	Black	Series color	Series color	Series color	Black	Black
	2	Silver	Silver	Silver	-	-	-	Silver	Silver
Rear speeds		8/7	8/7	8/7	7/6	7/6	6	6	6
Compatible chain		HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 6-speed	HG-UG 6-speed	HG-UG 6-speed
Top-Normal spring type	SHIMANO SHADOW RD	-	-	-	-	-	-	-	-
	SHIMANO SHADOW RD+	-	-	-	-	-	-	-	-
	Double servo	X	X	X	X	X	-	-	-
Mount	Direct attachment (Conventional)	X	X	X	X	X	X	X	X
	Direct mount compatible	-	-	-	-	-	-	-	-
	Riveted adapter (Road type)	-	-	-	X	X	X	X	X
	Riveted adapter (BMX-Track type)	-	-	-	X	X	-	-	-
Mode converter		-	-	-	-	-	-	-	-
Cable adjuster		X	X	X	X	X	X	X	X
Max. front difference		20T	20T	20T	20T	20T	20T	13T	20T
Total capacity		43T	43T	43T	43T	43T	34T	28T	34T
Low sprocket	Max.	34T	34T	34T	34T	34T	28T	28T	28T
	Min.	28T	28T	28T	28T	28T	28T	28T	28T
Top sprocket	Max.	14T	14T	14T	14T	14T	14T	14T	14T
	Min.	11T	11T	11T	11T	11T	14T	14T	14T
Fluoric coated link bushings		1	-	-	-	-	-	-	-
Pulley	G pulley bearing	-	-	-	-	-	-	-	-
	T pulley bearing	-	-	-	-	-	-	-	-
	Teeth	13/13T	13/15T	13/13T	13/13T	13/13T	11/11T	11/11T	11/11T
	Sunken type pulley bolt	-	-	-	-	-	-	-	-
B-Axle	Hollow axle	-	-	-	-	-	-	-	-
B-Axle 2	Hollow axle	-	-	-	-	-	-	-	-
Average weight (pc)		-	-	-	-	-	-	-	-
Note					with wheel type cable guide				

Front Derailleur

Series			XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR
Model no.			FD-M9000-H	FD-M9000-L	FD-M9000-D	FD-M9000-E	FD-M9020-H	FD-M9020-L	FD-M9020-D	FD-M9020-E	FD-M9025-H	FD-M9025-L
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	3	2	2	2	2	2	2
	Rear		11	11	11	11	11	11	11	11	11	11
Compatible chain			HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11
Action	TOP SWING		-	-	-	-	-	-	-	-	-	X
	Down Swing		-	-	-	-	-	-	-	-	X	-
	SIDE SWING		X	X	X	X	X	X	X	X	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	X (w/ S size adapter)
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	X (w/ M size adapter)
		34.9 mm	X	X	-	-	X	X	-	-	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	X	-	-	-	X	-	-
	Direct Mount		-	-	X	-	-	-	X	-	-	-
Cable route type	Dual-Pull		-	-	-	-	-	-	-	-	X	-
	Top-Pull exclusive		-	-	-	-	-	-	-	-	X	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	X
	Front-Pull		X	X	X	X	X	X	X	X	-	-
Chain line (mm)			50	50	50	50	48.8	48.8	48.8*	48.8*	48.8	48.8
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			40T	40T	40T	40T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T
Total capacity			18T	18T	18T	18T	10T	10T	10T	10T	10T	10T
Applicable Top-Mid tooth difference			10T	10T	10T	10T	-	-	-	-	-	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			X	X	-	-	X	X	-	-	X	X
Link bushings			6	6	6	6	6	6	6	6	8	2
Average weight (pc) (Band type: L size, direct type w/ bolt)			130.0 g	112.0 g	117.0 g	102 g	129 g	111 g	116 g	102 g	147.2 g	132.9 g
Note									* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.		

Series			XTR	XTR	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			FD-M9025-D	FD-M9025-E	FD-M8000-H	FD-M8000-L	FD-M8000-D	FD-M8000-E	FD-M8020-H	FD-M8020-L	FD-M8020-D	FD-M8020-E
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		2	2	3	3	3	3	2	2	2	2
	Rear		11	11	11	11	11	11	11	11	11	11
Compatible chain			HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11
Action	TOP SWING		-	X	-	-	-	-	-	-	-	-
	Down Swing		X	-	-	-	-	-	-	-	-	-
	SIDE SWING		-	-	X	X	X	X	X	X	X	X
Mount	Clamp Band	28.6 mm	-	-	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	X (w/ S size adapter)	-	-
		31.8 mm	-	-	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	X (w/ M size adapter)	-	-
		34.9 mm	-	-	X	X	-	-	X	X	-	-
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	X	-	-	-	X	-	-	-	X
	Direct Mount		X	-	-	-	X	-	-	-	X	-
Cable route type	Dual-Pull		X	-	-	-	-	-	-	-	-	-
	Top-Pull exclusive		X	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	X	-	-	-	-	-	-	-	-
	Front-Pull		-	-	X	X	X	X	X	X	X	X
Chain line (mm)			48.8*	48.8*	50	50	50	50	48.8	48.8	48.8*	48.8*
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			34-38T	34-38T	40T	40T	40T	40T	34-38T	34-38T	34-38T	34-38T
Total capacity			10T	10T	18T	18T	18T	18T	10T	10T	10T	10T
Applicable Top-Mid tooth difference			-	-	10T	10T	10T	10T	-	-	-	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			-	-	X	X	-	-	X	X	-	-
Link bushings			8	2	6	6	6	6	6	6	6	6
Average weight (pc) (Band type: L size, direct type w/ bolt)			141.3 g	124 g	151 g	135 g	136 g	121 g	145 g	129 g	134 g	120 g
Note			* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.							* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.

Front Derailleur

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			FD-M8025-H	FD-M8025-L	FD-M8025-D	FD-M8025-E	FD-M785	FD-M785-E2	FD-M786	FD-M786-D	FD-M770	FD-M770-E
Color	1		Series color	Series color	Series color	Series color	Black	Black	Black	Black	Series color	Series color
	2		-	-	-	-	-	-	Silver	Silver	-	-
Speeds	Front		2	2	2	2	2	2	2	2	3	3
	Rear		11	11	11	11	10	10	10	10	9	9
Compatible chain			HG-X11	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Action	TOP SWING		-	X	-	X	X	X	-	-	X	X
	Down Swing		X	-	X	-	-	-	X	X	-	-
	SIDE SWING		-	-	-	-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adapter)	-
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	-	X (w/ M size adapter)	-	X (w/ M size adapter)	-
		34.9 mm	X	X	-	-	X	-	X	-	X	-
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	X
		Without BB Plate	-	-	-	X	-	X	-	-	-	X
	Direct Mount		-	-	X	-	-	-	-	X	-	-
Cable route type	Dual-Pull		X	-	X	-	X	X	X	X	X	X
	Top-Pull exclusive		X	-	X	-	-	-	X	X	-	-
	Down-Pull exclusive		-	X	-	X	-	-	-	-	-	-
	Front-Pull		-	-	-	-	-	-	-	-	-	-
Chain line (mm)			48.8	48.8	48.8*	48.8*	48.8	48.8	48.8	48.8	50	50
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			34-38T	34-38T	34-38T	34-38T	38-44T	38-44T	38-44T	38-44T	44/48T	44T
Total capacity			10T	10T	10T	10T	14T	14T	14T	14T	22T	22T
Applicable Top-Mid tooth difference			-	-	-	-	-	-	-	-	12T	12T
Multi access cable fixing bolt			-	-	-	-	X	X	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			X	X	-	-	X	-	X	-	X	-
Link bushings			8	2	8	2	2	2	8	8	2	2
Average weight (pc) (Band type: L size, direct type w/ bolt)			149 g	131 g	139 g	124 g	136 g	127 g	155 g	146 g	152 g	166 g
Note					* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.	*Outer cable stopper integrated design.				*Outer cable stopper integrated design.	

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX	SLX	SLX	SLX
Model no.			FD-M771	FD-M771-D	FD-M772A	FD-M773	FD-M7000-10-H	FD-M7000-10-L	FD-M7000-10-D	FD-M7000-10-E	FD-M7005-10-H	FD-M7005-10-L
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	3	3	3	3	3	3	3
	Rear		9	9	9	9	10	10	10	10	10	10
Compatible chain			HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X	HG-X	HG-X	HG-X	HG-X	HG-X
Action	TOP SWING		-	-	X	-	-	-	-	-	-	X
	Down Swing		X	X	-	X	-	-	-	-	X	-
	SIDE SWING		-	-	-	-	X	X	X	X	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)	-*	-*	-	-	-*	-*
		31.8 mm	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-	X (w/ M size adaptor)	X (w/ M size adaptor)
		34.9 mm	X	-	X	X	X	X	-	-	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-	X	-	-
	Direct Mount		-	X	-	-	-	-	X	-	-	-
Cable route type	Dual-Pull		X	X	X (w/AdapterM)	X (w/AdapterM)	-	-	-	-	X	X
	Top-Pull exclusive		-	-	X	X	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	X	X	X	X	-	-
Chain line (mm)			50	50	50	50	50	50	50	50	50	50
Chain stay angle			66-69	66-69	63-66	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			44T	44T	44/48T	44/48T	40-42T	40-42T	40-42T	40-42T	42-40T	42-40T
Total capacity			22T	22T	22T	22T	18T	18T	18T	18T	18T	18T
Applicable Top-Mid tooth difference			12T	12T	12T	12T	10T	10T	10T	10T	-	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	-	-	X	X	X	X	X	X
Angled clamp band design			X	-	X	X	X	X	-	-	X	X
Link bushings			8	8	2	7	4	4	4	4	6	6
Average weight (pc) (Band type: L size, direct type w/ bolt)			155 g	147 g	160 g	174 g	152.1 g	136.5 g	140.5 g	126.5 g	155.4 g	155 g
Note							* S-size adapter is available in OTC package only.	* S-size adapter is available in OTC package only.			* S-size adapter is available in OTC package only.	* S-size adapter is available in OTC package only.

Front Derailleur

Series			SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX
Model no.			FD-M7005-10-D	FD-M7005-10-E	FD-M7020-11-H	FD-M7020-11-L	FD-M7020-11-D	FD-M7020-11-E	FD-M7025-11-H	FD-M7025-11-L	FD-M7025-11-D	FD-M7025-11-E
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	2	2	2	2	2	2	2	2
	Rear		10	10	11	11	11	11	11	11	11	11
Compatible chain			HG-X	HG-X	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11
Action	TOP SWING		-	X	-	-	-	-	-	X	-	X
	Down Swing		X	-	-	-	-	-	X	-	X	-
	SIDE SWING		-	-	X	X	X	X	-	-	-	-
Mount	Clamp Band	28.6 mm	-	-	-*	-*	-	-	-*	-*	-	-
		31.8 mm	-	-	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-
		34.9 mm	-	-	X	X	-	-	X	X	-	-
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	X	-	-	-	X	-	-	-	X
	Direct Mount		X	-	-	-	X	-	-	-	X	-
Cable route type	Dual-Pull		X	X	-	-	-	-	X	-	X	-
	Top-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	X	-	X
	Front-Pull		-	-	X	X	X	X	-	-	-	-
Chain line (mm)			50	50	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			42-40T	42-40T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T
Total capacity			18T	18T	10T	10T	10T	10T	10T	10T	10T	10T
Applicable Top-Mid tooth difference			-	-	-	-	-	-	-	-	-	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			-	-	X	X	-	-	X	X	-	-
Link bushings			6	6	4	4	4	4	6	6	6	6
Average weight (pc) (Band type: L size, direct type w/ bolt)			140.9 g	143 g	147 g	132 g	136 g	122 g	152 g	133 g	140 g	123 g
Note					* S-size adapter is available in OTC package only.	* S-size adapter is available in OTC package only.			* S-size adapter is available in OTC package only.	* S-size adapter is available in OTC package only.		

Series			SLX	SLX	SLX	SLX	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			FD-M660	FD-M660-E	FD-M661	FD-M661-D	FD-M6000-H	FD-M6000-M	FD-M6000-L	FD-M6000-D	FD-M6000-E	FD-M6020-H
Color	1		Series color	Series color	Series color	Series color	Series black	Series black	Series black	Series black	Series black	Series black
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	3	3	3	3	3	3	2
	Rear		9	9	9	9	10	10	10	10	10	10
Compatible chain			HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed
Action	TOP SWING		X	X	-	-	-	-	-	-	-	-
	Down Swing		-	-	X	X	-	-	-	-	-	-
	SIDE SWING		-	-	-	-	X	X	X	X	X	X
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adaptor)	X (w/ S size adaptor)	X (w/ S size adaptor)	-	-	X (w/ S size adaptor)
		31.8 mm	X (w/ M size adapter)	-	X (w/ M size adapter)	-	X (w/ M size adaptor)	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-	X (w/ M size adaptor)
		34.9 mm	X	-	X	-	X	X	X	-	-	X
	E-type	With BB Plate	-	X	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-	-	X	-
	Direct Mount		-	-	-	X	-	-	-	X	-	-
Cable route type	Dual-Pull		X	X	X	X	-	-	-	-	-	-
	Top-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	X	X	X	X	X	X
Chain line (mm)			50	50	50	50	50	50	50	50	50	48.8
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			44T	44T	44T	44T	40-42T	40-42T	40-42T	40-42T	40-42T	34-38T
Total capacity			22T	22T	22T	22T	18T	18T	18T	18T	18T	10T
Applicable Top-Mid tooth difference			12T	12T	12T	12T	10T	10T	10T	10T	10T	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			X	-	X	-	X	X	X	-	-	X
Link bushings			2	2	8	8	4	4	4	4	4	4
Average weight (pc) (Band type: L size, direct type w/ bolt)			155 g	170 g	158 g	150 g	-	-	-	-	-	-
Note			*Outer cable stopper integrated design.									

Front Derailleur

Series			DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			FD-M6020-M	FD-M6020-L	FD-M6020-D	FD-M6020-E	FD-M6025-H	FD-M6025-L	FD-M6025-D	FD-M6025-E	FD-M617-H	FD-M617-L
Color	1		Series black	Series black	Series black	Series black	Series black	Series black	Series black	Series black	Black	Black
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		2	2	2	2	2	2	2	2	2	2
	Rear		10	10	10	10	10	10	10	10	10	10
Compatible chain			HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10-speed	HG-X 10-speed
Action	TOP SWING		-	-	-	-	-	X	-	X	-	-
	Down Swing		-	-	-	-	X	-	X	-	-	-
	SIDE SWING		X	X	X	X	-	-	-	-	X	X
Mount	Clamp Band	28.6 mm	X (w/ S size adaptor)	X (w/ S size adaptor)	-	-	X (w/ S size adaptor)	X (w/ S size adaptor)	-	-	X (w/ S size adapter)	X (w/ S size adapter)
		31.8 mm	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-	X (w/ M size adaptor)	X (w/ M size adaptor)	-	-	X (w/ M size adapter)	X (w/ M size adapter)
		34.9 mm	X	X	-	-	X	X	-	-	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	X	-	-	-	X	-	-
	Direct Mount		-	-	X	-	-	-	X	-	-	-
Cable route type	Dual-Pull		-	-	-	-	X	-	X	-	-	-
	Top-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	X	-	X	-	-
	Front-Pull		X	X	X	X	-	-	-	-	X	X
Chain line (mm)			48.8	48.8	48.8/51.8*	48.8/51.8*	48.8	48.8	48.8/51.8*	48.8/51.8*	48.8	48.8
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			34-38T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T	34-38T	36-38T	36-38T
Total capacity			10T	10T	10T	10T	10T	10T	10T	10T	14T	14T
Applicable Top-Mid tooth difference			-	-	-	-	-	-	-	-	-	-
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			X	X	-	-	X	X	-	-	X	X
Link bushings			4	4	4	4	8	2	8	2	4	4
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note					* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.			* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.		

Series			DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			FD-M617-D	FD-M617-E	FD-M618-H	FD-M618-L	FD-M618-D	FD-M618-E	FD-M610-B	FD-M610-E	FD-M611-B	FD-M611-D
Color	1		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		2	2	2	2	2	2	3	3	3	3
	Rear		10	10	10	10	10	10	10	10	10	10
Compatible chain			HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Action	TOP SWING		-	-	-	X	-	X	X	X	-	-
	Down Swing		-	-	X	-	X	-	-	-	X	X
	SIDE SWING		X	X	-	-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	-	-	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	-	X (w/ S size adapter)	-
		31.8 mm	-	-	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	-	X (w/ M size adapter)	-
		34.9 mm	-	-	X	X	-	-	X	-	X	-
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	X	-	-	-	X	-	X	-	-
	Direct Mount		X	-	-	-	X	-	-	-	-	X
Cable route type	Dual-Pull		-	-	X	-	X	-	X	X	X	X
	Top-Pull exclusive		-	-	X	-	X	-	-	-	X	X
	Down-Pull exclusive		-	-	-	X	-	X	-	-	-	-
	Front-Pull		X	X	-	-	-	-	-	-	-	-
Chain line (mm)			48.8	48.8	48.8	48.8	48.8*	48.8*	50	50	50	50
Chain stay angle			66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			36-38T	36-38T	36-38T	36-38T	36-38T	36-38T	40-42T	40-42T	40-42T	40-42T
Total capacity			14T	14T	14T	14T	14T	14T	18T	18T	18T	18T
Applicable Top-Mid tooth difference			-	-	-	-	-	-	10T	10T	10T	10T
Multi access cable fixing bolt			-	-	-	-	-	-	X	X	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	X	X
Angled clamp band design			-	-	X	X	-	-	X	-	X	-
Link bushings			4	4	8	2	8	2	2	2	8	8
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note			* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.			* Compatible with the special crankset which chainline is 3 mm outboard.	* Compatible with the special crankset which chainline is 3 mm outboard.				

Front Derailleur

Series			DEORE	DEORE	DEORE	DEORE	ALIVIO	ALIVIO	ALIVIO	ALIVIO	ALIVIO	ACERA
Model no.			FD-M615-B	FD-M615-E2	FD-M616-B	FD-M616-D	FD-M4000-TS3	FD-M4000-TS6	FD-M4000-DS3	FD-M4000-DS6	FD-M410-E	FD-M3000-TS3
Color	1		Black	Black	Black	Black	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		2	2	2	2	3	3	3	3	3	3
	Rear		10	10	10	10	9	9	9	9	8/7	9
Compatible chain			HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7-speed	HG 9-speed
Action	TOP SWING		X	X	-	-	X	X	-	-	X	X
	Down Swing		-	-	X	X	-	-	X	X	-	-
	SIDE SWING		-	-	-	-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	-	X (w/ S size adapter)
		31.8 mm	X (w/ M size adapter)	-	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	-	X (w/ M size adapter)
		34.9 mm	X	-	X	-	X	X	X	X	-	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	X	-
		Without BB Plate	-	X	-	-	-	-	-	-	-	-
	Direct Mount		-	-	-	X	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	X	X	X	X	X	X	X
	Top-Pull exclusive		-	-	X	X	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	-	-	-	-	-	-
Chain line (mm)			48.8	48.8	48.8	48.8	50	50	50	50	50	50
Chain stay angle			66-69	66-69	66-69	66-69	63-66	66-69	63-66	66-69	63-69 *	63-66
Top gear teeth			38-44T	38-40T	38-44T	38-44T	40T	40T	40T	40T	42T	40T
Total capacity			14T	14T	14T	14T	18T	18T	18T	18T	20T	18T
Applicable Top-Mid tooth difference			-	-	-	-	10T	10T	10T	10T	10T	10T
Multi access cable fixing bolt			X	X	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	X	X	X	-	X
Angled clamp band design			X	-	X	-	X	X	X	X	-	X
Link bushings			2	2	8	8	-	-	2	2	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note											* Slits are required on the right side edge of BB shell.	

Series			ACERA	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS
Model no.			FD-M3000-TS6	FD-M2000-TS3	FD-M2000-TS6	FD-M2000-DS3	FD-M2000-DS6	FD-M370-3	FD-M370-6	FD-M371-3	FD-M371-6	FD-M313-3
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	3	3	3	3	3	3	3
	Rear		9	9	9	9	9	9	9	9	9	8/7
Compatible chain			HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7-speed
Action	TOP SWING		X	X	X	-	-	X	X	-	-	-
	Down Swing		-	-	-	X	X	-	-	X	X	X
	SIDE SWING		-	-	-	-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)
		34.9 mm	X	X	X	X	X	X	X	X	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-	-	-	-
	Direct Mount		-	-	-	-	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	X	X	X	X	X	X	X
	Top-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	-	-	-	-	-	-
Chain line (mm)			50	50	50	50	50	50	50	50	50	47.5/50
Chain stay angle			66-69	63-66	66-69	63-66	66-69	63-66	66-69	63-66	66-69	63-66
Top gear teeth			40T	40T	40T	40T	40T	44T/48T	44T/48T	44T/48T	44T/48T	42/48T
Total capacity			18T	18T	18T	18T	18T	22T	22T	22T	22T	20T
Applicable Top-Mid tooth difference			10T	10T	10T	10T	10T	12T	12T	12T	12T	10T
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			X	X	X	X	X	-	-	-	-	-
Angled clamp band design			X	X	X	X	X	X	X	X	X	X
Link bushings			-	-	-	-	-	-	-	-	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note												

Front Derailleur

Series			ALTUS	ALTUS	ALTUS	SHIMANO	SHIMANO	TOURNEY TX	TOURNEY TX	TOURNEY	TOURNEY	TOURNEY
Model no.			FD-M313-6	FD-M310-3	FD-M310-6	FD-MT400-D	FD-MT400-E	FD-TX800-TS3	FD-TX800-TS6	FD-TY700-TS3	FD-TY700-TS6	FD-TY710-TS3
Color	1		Series color	Series color	Series color	Black	Black	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	2	2	3	3	3	3	3
	Rear		8/7	8/7	8/7	9	9	8/7	8/7	8/7	8/7	8/7
Compatible chain			HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	HG 9-speed	HG 9-speed	HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	HG 8/7-speed
Action	TOP SWING		-	X	X	-	-	X	X	X	X	X
	Down Swing		X	-	-	-	-	-	-	-	-	-
	SIDE SWING		-	-	-	X	X	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	-	-	X (w/ S size adapter)	X (w/ S size adapter)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	X (w/ M size adapter)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
		34.9 mm	X	X	X	-	-	X	X	X	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	X	-	-	-	-	-
	Direct Mount		-	-	-	X	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	-	-	X	X	X	X	X
	Top-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-	-	-	-
	Front-Pull		-	-	-	X	X	-	-	-	-	-
Chain line (mm)			47.5/50	47.5/50	47.5/50	48.8/51.8*	48.8/51.8*	47.5/50	47.5/50	47.5/50	47.5/50	47.5/50
Chain stay angle			66-69	63-66	66-69	66-69	66-69	63-66	66-69	63-66	66-69	63-66
Top gear teeth			42/48T	42/48T	42/48T	36-38T	36-38T	42/48T	42/48T	42T	42T	48T
Total capacity			20T	20T	20T	14T	14T	20T	20T	18T	18T	20T
Applicable Top-Mid tooth difference			10T	10T	10T	-	-	10T	10T	8T	8T	10T
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			-	-	-	X	X	-	-	-	-	-
Angled clamp band design			X	X	X	-	-	X	X	X	X	X
Link bushings			-	-	-	4	4	-	-	-	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note						* Compatible with the special crankset which chainline is 3 mm outboard. The special frame is required.	* Compatible with the special crankset which chainline is 3 mm outboard. The special frame is required.					

Series			TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY TZ	TOURNEY TZ
Model no.			FD-TY710-TS6	FD-TY500-TS3	FD-TY500-TS6	FD-TY510-TS3	FD-TY510-TS6	FD-TY300-DS6	FD-TY300-DS6	FD-TZ500-DS6	FD-TZ510-DS6
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	3	3	3	3	3	3 (friction)	3 (friction)
	Rear		8/7	7/6	7/6	7/6	7/6	7/6	7/6	7/6	7/6
Compatible chain			HG 8/7-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed	HG-UG 7/6-speed
Action	TOP SWING		X	X	X	X	X	-	-	-	-
	Down Swing		-	-	-	-	-	X	X	X	X
	SIDE SWING		-	-	-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X	-	X	X
		31.8 mm	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X	-	X	X
		34.9 mm	X	X	X	X	X	-	X	-	-
	E-type	With BB Plate	-	-	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-	-	-
	Direct Mount		-	-	-	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	X	X	-	-	-	-
	Top-Pull exclusive		-	-	-	-	-	X	X	X	X
	Down-Pull exclusive		-	-	-	-	-	X	X	X	X
	Front-Pull		-	-	-	-	-	-	-	-	-
Chain line (mm)			47.5/50	47.5/50	47.5/50	47.5/50	47.5/50	47.5	50	47.5	47.5
Chain stay angle			66-69	63-66	66-69	63-66	66-69	66-69	66-69	66-69	66-69
Top gear teeth			48T	42T	42T	48T	48T	42T	42T	42T	48T
Total capacity			20T	18T	18T	20T	20T	18T	18T	18T	20T
Applicable Top-Mid tooth difference			10T	8T	8T	10T	10T	8T	8T	8T	10T
Multi access cable fixing bolt			-	-	-	-	-	-	-	-	-
Angled stroke adjust bolt			-	-	-	-	-	-	-	-	-
Angled clamp band design			X	X	X	X	X	-	-	-	-
Link bushings			-	-	-	-	-	-	-	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-	-	-
Note											

Brake (Hydraulic Disc Brake)

Series		XTR	XTR	SAINT	DEORE XT	SLX	DEORE	ZEE
Model no.		BR-M9000	BR-M9020	BR-M820	BR-M8000	BR-M7000	BR-M6000	BR-M640
Color	1	Series color	Series color	Series color	Series color	Series color	Series black	Series color
	2	-	-	-	-	-	Series Silver*	-
	3	-	-	-	-	-	Black (SHIMANO logo)***	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SB	SM-BH90-SB	SM-BH90-SS	SM-BH90-SBS
Hose joint		Banjo	Banjo	Banjo	Banjo	Banjo	Straight	Banjo
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	White	-	-	-	White
J-Kit spec (for OEM)		X	X	X	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		X	X	X	X	X	X	X
Pad	Standard 1	G02A Resin	J02 A Resin	H01A Resin	G02A Resin	G02S Resin	G02S Resin	D01S Resin
	Standard 2	G04Ti Metal	J04C Metal	H03C Metal	J02 A Resin	J02A Resin	J02A Resin**	D02S Metal
	Option 1	J02 A Resin	G02A Resin	-	G04S Metal	G04S Metal	G04S Metal**	H01A Resin
	Option 2	J04C Metal	G04Ti Metal	-	J04C Metal	J04C Metal	-	-
Recommended brake lever		BL-M9000	BL-M9020	BL-M820	BL-M8000	BL-M7000	BL-M6000 BL-T6000	BL-M640
Recommended brake rotor		SM-RT99 * SM-RT99-A	SM-RT99 * SM-RT99-A	SM-RT99 SM-RT86	SM-RT81 SM-RT86	SM-RT70 SM-RT66	SM-RT64, SM-RT66 SM-RT54, SM-RT56	SM-RT66
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING		X	X	X	X	X	X	X
Mount type (available for IS mount with mount adapter)		Post-type	Post-type	Post-type	Post-type	Post-type	Post-type	Post-type
Piston		2	2	4	2	2	2	4
Caliper	MONO-BODY	-	X	-	-	-	-	-
Caliper fixing bolt	Tool size	** 4 mm	** 4 mm	5 mm	5 mm	5 mm	5 mm	5 mm
	Anti loosen method	Wiring	Wiring	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Split pin stainless steel	Split pin
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/lockring, w/o adapter, w/2bolts, w/Resin pad)		316.1 g	359.6 g	306 g** (w/radiator fin)	402.5 g	418.8 g	-	314 g**
Note		* 140 mm for rear only ** Titanium	* 140 mm for rear only ** Titanium	**single item weight			J-Kit spec available * T6000 kit only ** M6000 kit only *** Both M6000 kit and T6000 kit	**single item weight

Series		SHIMANO	SHIMANO	ALIVIO	ACERA	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-MT500	BR-M446	BR-M4050	BR-M3050	BR-M395	BR-M365	BR-M315
Color	1	Black	Black	Series color	Series color	Black	Black	Black
	2	-	Silver	-	-	White	White	-
	3	-	White	-	-	-	-	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black
	2	-	White	-	-	-	-	-
J-Kit spec (for OEM)		X	X	X	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		-	-	-	-	-	-	-
Pad	Standard 1	B01S resin	B01S Resin	B01S Resin	B01S Resin	B01S Resin	B01S Resin	B01S Resin
	Standard 2	-	-	-	-	-	-	-
	Option 1	-	-	-	-	-	-	-
	Option 2	-	-	-	-	-	-	-
Recommended brake lever		BL-MT500	BL-T445	ST-M4050	ST-M3050	BL-M425/BL-M395	BL-M365	BL-M315
Recommended brake rotor		SM-RT54 SM-RT56	SM-RT54 SM-RT56	SM-RT54 SM-RT56	SM-RT54 SM-RT56	SM-RT30 SM-RT54 SM-RT56	SM-RT10 SM-RT26	SM-RT10 SM-RT26
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING		X	X	X	X	X	X	X
Mount type (available for IS mount with mount adapter)		Post-type	Post-type	Post-type	Post-type	Post-type	Post-type	Post-type
Piston		2	2	2	2	2	2	2
Caliper	MONO-BODY	-	-	-	-	-	-	-
Caliper fixing bolt	Tool size	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
	Anti loosen method	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring
Pad mount		Split pin stainless steel	Split pin	Split pin	Split pin	Split pin	Split pin	Split pin
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/lockring, w/o adapter, w/2bolts, w/Resin pad)		-	-	-	-	-	-	-
Note			SHIMANO logo			SHIMANO logo		

Brake (Mechanical Disc Brake)

Series		SHIMANO	TOURNEY TX
Model no.		BR-M375	BR-TX805
Color	1	Black	Black
	2	Silver	-
	3	-	-
Brake type		Mechanical Disc-brake	Mechanical Disc-brake
ICE TECHNOLOGIES pad compatible caliper		-	-
Pad	Standard 1	B01S Resin	B01S Resin
	Standard 2	-	-
	Option 1	-	-
	Option 2	-	-
Recommended brake lever		V-BRAKE BL (1.5 - 2.5 finger)	V-BRAKE BL (1.5 - 2.5 finger)
Recommended brake rotor		SM-RT10 SM-RT30 SM-RT26	SM-RT10 SM-RT26
Mount type (available for IS mount with mount adapter)		Post-type	Post-type
Piston		1	1
Caliper	MONO-BODY	-	-
Caliper fixing bolt	Tool size	5 mm	5 mm
	Anti loosen method	Snap ring	Snap ring
Pad mount		Split pin	Split pin
Average weight		-	-
Note			

Brake (V-BRAKE)

Series		DXR
Model no.		BR-MX70
Color	1	Series color
	2	-
	3	-
Brake type		V-BRAKE
Brake shoe	Standard 1	S70C
	Standard 2	-
	Option 1	M70T4
	Option 2	M70T3
Cartridge shoe holder		X
Arch size (mm)		103
Spacer type	X type	X
	Y type	X
Compatible lead pipe angle (deg.)		45/90/135
Sleeve & Bushing axle		X
V-arm/Caliper	Light weight link	X
Fixing bolt length (mm)	16	X
	25	X
Fixing bolt	Chamfered bolt	X
POWER MODULATOR		X (OPTION SM-PM70)
Linear spring		X
Stainless cable fixing bolt		X
Average weight		184 g
Note		

Crankset

Series		XTR	XTR	XTR	XTR	XTR	XTR	XTR	SAINT	SAINT	DEORE XT
Model no.		FC-M9020-3	FC-M9020-2	FC-M9020-B2	FC-M9020-1	FC-M9020-B1	FC-M9000-2	FC-M9000-1	FC-M820	FC-M825	FC-M8000-3
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-
Rear speeds		11	11	11	11	11	11	11	10	10	11
Compatible chain		HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X11
Chain line (mm)		50	48.8	51.8	50.4	53.4	48.8	50.4	50.4	57.9	50
P.C.D. (mm)		96/64	96/64	96/64	96	96	96/64	96	104	104	96/64
Gear arms		4arm ***	4arm ***	4arm	4arm ***	4arm ***	4arm ***	4arm ***	4arm	4arm	4arm
Chain ring combination		40-30-22T	38-28T 36-26T 34-24T	36-26T 34-24T	36, 34, 32, 30T (SM-CRM91)	32, 30T (SM-CRM91)	38-28T 36-26T 34-24T	36, 34, 32, 30T (SM-CRM90)	38, 36, 34T (SM-CR82)	38, 36, 34T (SM-CR82)	40-30-22T
Q-factor (mm)		168	168	174	168	174	158	158	178	193	176
Crank arm length (mm)	165.0	X	X	-	X	-	-	-	X	X	X
	167.5	-	-	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-	-
	180.0	X	X	-	X	-	-	-	-	-	X
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		X	X	X	X	X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-	-	-	-
HOLLOWGLIDE		X	X	X	X*	-	X	X*	-	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB80	SM-BB80	BB-MT800
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
	Pressfit	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB71-41A	SM-BB71-41C	BB-MT800-PA
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	X	-	X
	73 mm	X	X	X	X	X	X	X	X	-	X
	83 mm	-	-	-	-	-	-	-	-	X	-
Chain case compatible		-	-	-	-	-	-	-	-	-	-
Stainless chain guard fixing bolt		-	-	-	-	-	-	-	-	-	-
Average weight (175 mm, w/o BB)		656 g	667 g (38-28T) 649 g (36-26T) 629 g (34-24T)	664 g (36-26T) 645 g (34-24T)	620 g (36T) 603 g (34T) 586 g (32T) 578 g (30T)	601 g (32T) 593 g (30T)	649 g (38-28T) 631 g (36-26T) 611 g (34-24T)	616 g (36T) 600 g (34T) 598 g (32T) 586 g (30T)	847 g (38T) 837 g (36T) 827 g (34T)	858 g (38T) 849 g (36T) 838 g (34T)	773.9 g
Note		*** Spider arm angle is special.	*** Spider arm angle is special.		* 36/34T is hollow ,32/30T is not hollow ** 32T/30T is Stainless steel/ Aluminum *** Spider arm angle is special.	-Chainline 3 mm outboard -It requires special dimension of frame which cassette position and FD mount position are 3 mm outboard. -Only E type and D type FD are compatible with the special frame.	*** Spider arm angle is special.	* 36/34T is hollow ,32/30T is not hollow ** 32T/30T is Stainless steel/ Aluminum *** Spider arm angle is special.		for 83 mm BB shell width	

Crankset

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX	SLX
Model no.		FC-M8000-2	FC-M8000-B2	FC-M8000-1	FC-M8000-B1	FC-M782	FC-M785	FC-M7000-11-2	FC-M7000-11-B2	FC-M7000-11-1	FC-M7000-11-B1
Color	1	Series color	Series color	Series color	Series color	Black	Black	Series color	Series color	Series color	Series color
	2	-	-	-	-	Silver	Silver	-	-	-	-
Rear speeds		11	11	11	11	10	10	11	11	11	11
Compatible chain		HG-X11	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X11	HG-X11	HG-X11	HG-X11
Chain line (mm)		48.8	51.8	50.4	53.4	50	48.8	48.8	51.8	50	53
P.C.D. (mm)		96/64	96/64	96	96	96/64	104/64	96/64	96/64	96	96
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		38-28T 36-26T 34-24T	36-26T 34-24T (NEW)	34, 32, 30T (SM-CRM81)	32, 30T (SM-CRM81)	40-30-22T	40-28T 38-26T 38-24T	38-28T 36-26T 34-24T	36-26T 34-24T	34, 32, 30T (SM-CRM70)	32, 30T (SM-CRM70)
Q-factor (mm)		176	176	176	176	175	175	176	176	176	176
Crank arm length (mm)	165.0	X	-	X	-	X	X	-	-	-	-
	167.5	-	-	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-	-
	180.0	X	X (36-26T) - (34-24T)	X	X (32T) - (30T)	X	X	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		X	X	X	X	X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	BB-MT800	BB-MT800	BB-MT800	BB-MT800	-	-	BB-MT800	BB-MT800	BB-MT800	BB-MT800
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
	Pressfit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	SM-BB71-41A	SM-BB71-41A	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	X	X	X
	73 mm	X	X	X	X	X	X	X	X	X	X
	83 mm	-	-	-	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-	-	-	-
Stainless chain guard fixing bolt		-	-	-	-	-	-	-	-	-	-
Average weight (175 mm, w/o BB)		738.9 g (38-28T) 718.1 g (36-26T) 695.5 g (34-24T)	721.6 g (36-26T)	699.8 g (34T) 694.5 g (32T) 680.0 g (30T)	698.0 g (36T)	778 g	727.6 g (40-28T) 717.6 g (38-26T) 715.8 g (38-24T)	788.7 g (28-28T) 761.4 g (36-26T) 739.8 g (34-24T)	764.3 g (36-26T) 742.8 g (34-24T)	721.1 g (34T) 715.4 g (32T) 699.3 g (30T)	718.3 g (32T) 702.3 g (30T)
Note			-Chainline 3 mm outboard -It requires special dimension of frame which cassette position and FD mount position are 3 mm outboard. -Only E type and D type FD are compatible with the special frame.	w/o chain ring spec available for OTC, Chain ring is sold separately(SM-CRM80)	-Chainline 3 mm outboard -It requires special dimension of frame which cassette position and FD mount position are 3 mm outboard. -Only E type and D type FD are compatible with the special frame.	FD-M780-A/ M781-A			Chainline 3 mm outboard	w/o chain ring spec available for OTC, Chain ring is sold separately(SM-CRM70)	-Chainline 3mm outboard -W/o chainring spec available for OTC, chainring is sold separately (SM-CRM70).

Crankset

Series		SLX	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	ZEE	ZEE	SHIMANO	SHIMANO
Model no.		FC-M7000-10-3	FC-MT700-2	FC-MT700-B2	FC-MT600-2	FC-MT600-B2	FC-MT500-3	FC-M640	FC-M645	FC-M627	FC-M627-B
Color	1	Series color	Black	Black	Black	Black	Black	Series color	Series color	Black	Black
	2	-	-	-	-	-	-	-	-	-	-
Rear speeds		10	11	11	11	11	10	10	10	10	10
Compatible chain		HG-X	HG-X11	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Chain line (mm)		50	48.8	51.8	48.8	51.8	50	50.4	57.9	48.8	51.8
P.C.D. (mm)		96/64	*96/64	96/64	96/64	96/64	96/64	104	104	104/64	104/64
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		40-30-22T	36-26T 34-24T (NEW)	36-26T 34-24T	36-26T	36-26T	40-30-22T	38, 36, 34T (FC-M640/ M645 chain ring)	38, 36, 34T (FC-M640/ M645 chain ring)	38-24T 36-22T	36-22T
Q-factor (mm)		176	175	175	177	177	177	174.7	189.7	176	176
Crank arm length (mm)	165.0	-	-	-	-	-	-	X	X	-	-
	167.5	-	-	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-	-
	180.0	-	-	-	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	X	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		X	X	X	-	-	-	-	-	-	-
2-PIECE CRANKSET		-	-	-	X	X	X	X	X	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	BB-MT800	BB-MT800	BB-MT800	BB-MT800	BB-MT800	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52
	Threaded (E-type)	-	-	-	-	-	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
	Pressfit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	SM-BB71-41A	SM-BB71-41C	BB-MT500-PA	BB-MT500-PA
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	-	X	X
	73 mm	X	X	X	X	X	X	X	-	X	X
	83 mm	-	-	-	-	-	-	-	X	-	-
Chain case compatible		-	-	-	-	-	-	-	-	-	-
Stainless chain guard fixing bolt		-	-	-	-	-	-	-	-	-	-
Average weight (175 mm, w/o BB)		801.1 g (40-30-22T)	735.4 g (36-26T) 708.9 g (34-24T)	738.9 g (36-26T) 712.4 g (34-24T)	-	-	-	828 g (38T) 817 g (36T) 807 g (34T)	858 g (38T) 847 g (36T) 837 g (34T)	-	-
Note			* Spider arm angle is special.				*it is fixed on the threaded middle ring.		for 83 mm BB shell width		-Chainline 3 mm outboard -It requires special dimension of frame which cassette position and FD mount position are 3 mm outboard. -Only E type and D type FD are compatible with the special frame.

Crankset

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	SHIMANO	SHIMANO	ALIVIO
Model no.		FC-M6000-3	FC-M6000-2	FC-M6000-2	FC-M6000-2	FC-M6000-B2	FC-M617	FC-M617-B2	FC-MT500-2	FC-MT500-B2	FC-M4050
Color	1	Series black	Series black	Series black	Series black	Series black	Black	Black	Black	Black	Series color
	2	-	-	-	-	-	Silver	Silver	-	-	-
Rear speeds		10	10	10	10	10	10	10	10	10	9
Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X	HG-X 10-speed	HG-X 10-speed	HG 9-speed
Chain line (mm)		50	48.8	48.8	48.8	51.8	48.8	51.8	48.8	51.8	50
P.C.D. (mm)		96/64	96/64	96/64	96/64	96/64	104/64	104/64	96/64	96/64	96/64
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		40-30-22T	38-28T	36-26T	34-24T	36-26T	38-24T 36-22T	36-22T	36-26T	36-26T	40-30-22T
Q-factor (mm)		176	176	176	176	176	176	176	177	177	176
Crank arm length (mm)	165.0	-	-	-	-	-	-	-	-	-	X
	167.5	-	-	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-	-
	180.0	-	-	-	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-	-	-	X
	Without chain/bash guard	X	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		X	X	X	X	X	-	-	-	-	-
2-PIECE CRANKSET		-	-	-	-	-	X	X	X	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52
	Threaded (E-type)	-	-	-	-	-	SM-BB52	SM-BB52	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
	Pressfit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	-	-
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	X	X	X
	73 mm	X	X	X	X	X	X	X	X	X	X
	83 mm	-	-	-	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-	-	-	-
Stainless chain guard fixing bolt		-	-	-	-	-	-	-	-	-	-
Average weight (175 mm, w/o BB)		-	-	-	-	-	-	-	-	-	-
Note											

Crankset

Series		ALIVIO	ALIVIO	SHIMANO	SHIMANO	ACERA	SHIMANO	SHIMANO	ALTUS	SHIMANO	ACERA
Model no.		FC-M4050-B2	FC-M4060	FC-M4000	FC-M3000	FC-M3000-B2	FC-MT200	FC-MT100	FC-M2000	FC-M371	FC-M361
Color	1	Series color	Series color	Series color	Series color	Series color	Black	Black	Series color	Black	Black
	2	-	-	-	-	-	-	-	-	-	-
Rear speeds		9	9	9	9	9	9	9	9	9	8/7
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG for 9-speed	HG for 8/7-speed
Chain line (mm)		51.8	50	50	50	51.8	50	50	50	50	50
P.C.D. (mm)		104/64	104/64	96/64	96/64	104/64	Riveted	Riveted	Riveted	Riveted	104/64
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		36-22T	48-36-26T	40-30-22T	40-30-22T	36-22T	40-30-22T	40-30-22T	40-30-22T	44-32-22T 48-36-26T	48-38-28T 42-32-22T
Q-factor (mm)		176	176	179.8	179.1	179.1	176	179.2	179.6	180.5	185.9
Crank arm length (mm)	165.0	-	X	X	X	-	-	-	X	-	- (48-38-28T) X* (42-32-22T)
	167.5	-	-	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-	-
	180.0	-	-	-	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-	-	-
	With chain guard	-	X	X	X	-	X	X	X	X	X
	Without chain/bash guard	X	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		-	-	-	-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	-	-	-	X	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-	-
OCTALINK		-	-	X	-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	-	-	-	X	-	-	-	-
	OCTALINK	-	-	X	-	-	-	-	-	-	-
	Square	-	-	-	X	X	-	X	X	X	X
Recommended BB	Threaded (normal)	SM-BB52	SM-BB52	BB-ES300	BB-UN26	BB-UN26	SM-BB52	BB-UN100	BB-UN100	BB-UN26	BB-UN26
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	BB-UN26-K	BB-UN26-K
	Pressfit	BB-MT500-PA	BB-MT500-PA	-	-	-	BB-MT500-PA	-	-	-	-
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	118	LL113	LL113	-	LL123	LL123	LL123	LL123
	Threaded (E-type)	-	-	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-	-	LL123-K	LL123-K
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	X	X	X
	73 mm	X	X	-	X	X	X	X	X	X	X
	83 mm	-	-	-	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-	-	X	X
Stainless chain guard fixing bolt		-	-	-	-	-	-	-	-	-	-
Average weight (175 mm, w/o BB)		-	-	-	-	-	-	-	-	-	-
Note							SHIMANO logo	SHIMANO logo		SHIMANO logo	SHIMANO logo, * 48-38-28 Silver with CG spec

Crankset

Series		ALTUS	SHIMANO	SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		FC-M311	FC-TY701	FC-TY701	FC-TY501	FC-TY301	FC-MX71
Color	1	Black	Light Gray Metallic	Metallic Black	Black	Black	Series color
	2	-	Silver	Silver	Silver	-	-
Rear speeds		8/7	8/7/6	8/7/6	8/7/6	8/7/6	1
Compatible chain		HG for 8/7-speed	HG/UG for 8/7/6-speed	HG/UG for 8/7/6-speed	HG/UG for 8/7/6-speed	HG/UG for 8/7/6-speed	Single speed
Chain line (mm)		50	47.5/47.5+t	47.5/47.5+t	47.5/47.5+t	47.5/47.5+t	44
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	Riveted	104/64
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		48-38-28T 42-32-22T	48-38-28T 42-34-24T	42-34-24T	48-38-28T 42-34-24T	48-38-28T 42-34-24T	34, 38, 41, 42, 43, 44, 46T
Q-factor (mm)		187.9	185.5	185.5	185.5	181.5	173
Crank arm length (mm)	165.0	-	X	X	X	-	X
	167.5	-	-	-	-	-	-
	170.0	X	X	X	X	X	X
	172.5	-	-	-	-	-	-
	175.0	X	X	X	X	X	X
	177.5	-	-	-	-	-	-
	180.0	-	-	-	-	-	X
Optional chain guard	With bash guard	-	-	-	-	-	-
	With chain guard	X	X (separate type)	X (separate type)	X (integrated type)	X (integrated type)	-
	Without chain/bash guard	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	-	X
	Without	-	-	-	X	X	-
HOLLOWTECH II		-	-	-	-	-	X
2-PIECE CRANKSET		-	-	-	-	-	X
HOLLOWTECH crank arm		-	-	-	-	-	X
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible BB type	Outboard	-	-	-	-	-	X
	OCTALINK	-	-	-	-	-	-
	Square	X	X	X	X	X	-
Recommended BB	Threaded (normal)	BB-UN26	BB-UN100	BB-UN100	BB-UN100	BB-UN100	-
	Threaded (E-type)	-	-	-	-	-	-
	Threaded (chain case)	BB-UN26-K	BB-UN100-K	BB-UN100-K	BB-UN100-K	BB-UN100-K	-
	Pressfit	-	-	-	-	-	-
Axle length of BB-UN/ES (mm)	Threaded (normal)	LL123	D-NL	D-NL	D-NL	D-NL	-
	Threaded (E-type)	-	-	-	-	-	-
	Threaded (chain case)	LL123-K	D-NL K	D-NL K	D-NL K	D-NL K	-
Threaded BB shell width	68 mm	X	X	X	X	X	X
	73 mm	X	X	X	X	X	X
	83 mm	-	-	-	-	-	-
Chain case compatible		X	X	X	X	X	-
Stainless chain guard fixing bolt		-	-	-	-	-	-
Average weight (175 mm, w/o BB)		-	-	-	-	-	765 g (w/o chainring)
Note		SHIMANO logo					BMX racing 68 mm BB shell width

Chain Device

Series	SAINT
Model no.	SM-CD50
Color	Series color
Spec	w/one guard
Chain compatibility	9, 10-speed
Chain line (mm)	50/75
Top gear teeth	38, 36, 34T
Assumed rear sprocket teeth	11-23-36T
Mount	ISCG03 ISCG05
Rear suspension stroke	0-250 mm
Back plate	Aluminum
Chainguide	Aluminum
Note	

Chainring

Series		XTR	DEORE XT	SLX	SHIMANO	SHIMANO
Model no.		SM-CRM91	SM-CRM81	SM-CRM70	SM-CR82	SM-CR80-A
Color	1	Standard	Standard	Standard	Black	Black
	2	-	-	-	-	-
	3	-	-	-	-	-
Gear speed		1	1	1	1	1
Rear speed	11-speed	X	X	X	-	-
	10-speed	X	X	X	X	-
	9-speed	-	-	-	X	X
	Single	-	-	-	-	X
DYNAMIC CHAIN ENGAGEMENT+		X	X	X	-	-
Chain ring teeth	46T	-	-	-	-	X
	44T	-	-	-	-	X
	43T					X
	42T	-	-	-	-	X
	41T	-	-	-	-	X
	40T	-	-	-	-	-
	38T	-	-	-	X	X
	36T	X	-	-	X	-
	34T	X	X	X	X	X
	32T	X	X	X	-	-
	30T	X	X	X	-	-
Chain guard type	Double	-	-	-	-	-
	Single	-	-	-	-	-
	W/O CG	X	X	X	X*	X
P.C.D. (mm)		96	96	96	104	104
Note		*32, 34, 36T anodized, 30T painted			* SM-CD50 bash guard is compatible.	

Bottom Bracket (HOLLOWTECH II)

Series		XTR	XTR	SHIMANO	SHIMANO	SHIMANO	SAINT/ZEE	SAINT/ZEE	SHIMANO	SHIMANO
Model no.		SM-BB93	SM-BB94-41A	BB-MT800	BB-MT800-PA	SM-BB71-41A	SM-BB80	SM-BB71-41C	SM-BB52	BB-MT500-PA
HOLLOWTECH II BB	Threaded BB type	X	-	X	-	-	X	-	X	-
	Press-Fit type	-	X	-	X	X	-	X	-	X
Threaded BB shell width (mm)	68	X	-	X	-	-	X	-	X	-
	73	X	-	X	-	-	X	-	X	-
	83	-	-	-	-	-	X	-	-	-
Press-Fit BB shell width (mm)	84.5	-	-	-	-	-	-	-	-	-
	89.5	-	X	-	X	X	-	-	-	X
	92	-	X	-	X	X	-	-	-	X
	104.5	-	-	-	-	-	-	X	-	-
	107	-	-	-	-	-	-	X	-	-
Small ball bearing		X	X	-	-	-	-	-	-	-
Average weight		73 g	58 g	82.1 g	68.2 g	71 g	95 g (68/73 mm) 96 g (83 mm)	73 g	-	-
Note										

Bottom Bracket

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			BB-ES51	BB-ES51-E	BB-ES51-K	BB-ES51-AK	BB-ES300	BB-ES300-E	BB-ES300-K
Structure	Standard		X	-	-	-	X	-	-
	E-type		-	X	-	-	-	X	-
	For chain case		-	-	X	X	-	-	X
Spindle	Hollow spindle		X	X	X	X	X	X	X
	OCTALINK		X	X	X	X	X	X	X
	Square type		-	-	-	-	-	-	-
Axle length/shell width (mm)	107	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	MM110	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	LL113	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	113	68 (BC1.37)	X	-	-	-	X	X	-
		70 (M36)	-	-	-	-	X	-	-
		73 (BC1.37)	X	-	-	-	X	-	-
	D-H	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-	-	-
	117.5	68 (BC1.37)	-	-	-	-	-	-	-
	118	68 (BC1.37)	X	-	-	-	X	X	-
		70 (M36)	-	-	-	-	X	-	-
		73 (BC1.37)	X	-	-	-	X	-	-
	XL118	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 mm	-	-	-	-	-	-	-
	121	68 (BC1.37)	X	-	-	-	X	X	X
		70 (M36)	X	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	X	X	-
	126	68 (BC1.37)	X	-	-	-	X	X	X*
		73 (BC1.37)	-	-	-	-	X	X	-
	D-NL 122	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	D-EL 127	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	LL123	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	123SP	68 (BC1.37)	-	-	-	-	-	-	-
	130	68 (BC1.37)	-	-	-	-	-	-	-
Note						For FC-M521 Only			* with 0.7 mm spacer

Bottom Bracket

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			BB-ES300-AK	BB-UN55	BB-UN26	BB-UN26-E	BB-UN26-K	BB-UN100	BB-UN100-K
Structure	Standard		-	X	X	-	-	X	-
	E-type		-	-	-	X	-	-	-
	For chain case		X	-	-	-	X	-	X
Spindle	Hollow spindle		X	-	-	-	-	-	-
	OCTALINK		X	-	-	-	-	-	-
	Square type		-	X	X	X	X	X	X
Axle length/shell width (mm)	107	68 (BC1.37)	-	X	-	-	-	-	-
		70 (M36)	-	X	-	-	-	-	-
		73 (BC1.37)	-	X	-	-	-	-	-
	MM110	68 (BC1.37)	-	X	X*	X	X	-	-
		70 (M36)	-	X	X	-	-	-	-
		73 (BC1.37)	-	X	X	-	-	-	-
	LL113	68 (BC1.37)	-	X	X*	X	-	-	-
		70 (M36)	-	X	X	-	-	-	-
		73 (BC1.37)	-	X	X	X	-	-	-
	113	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	D-H	68 (BC1.37)	-	X	-	-	-	-	-
		70 (M36)	-	X	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	X* (CL:47.5) X (CL:45)	X* (CL:47.5)	X* (CL:47.5)	-	-
	117.5	68 (BC1.37)	-	-	X	-	X	-	-
	118	68 (BC1.37)	-	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	XL118	68 (BC1.37)	-	X	-	-	-	-	-
		70 (M36)	-	X	-	-	-	-	-
		73 mm	-	X	-	-	-	-	-
	121	68 (BC1.37)	X*	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	126	68 (BC1.37)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	D-NL 122	68 (BC1.37)	-	X	X*	-	X*	X*	X*
		70 (M36)	-	X	-	-	-	-	-
		73 (BC1.37)	-	X	-	-	-	-	-
	D-EL 127	68 (BC1.37)	-	X	X*	-	-	-	-
		70 (M36)	-	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-	-
	LL123	68 (BC1.37)	-	-	X	X	X (t=1.8)	X	X**
		70 (M36)	-	-	X	-	-	-	-
		73 (BC1.37)	-	-	-	X	-	X	-
	123SP	68 (BC1.37)	-	-	X	-	-	-	-
	130	68 (BC1.37)	-	-	X	-	-	-	-
Note			* with 1.8 mm spacer version also available for FC-M521		*w/Fixing Bolts	*w/Fixing Bolts	*w/Fixing Bolts	*w/crank arm fixing Bolts spec available	*w/ crank arm fixing bolts spec available ** w/ 0.7 mm spacer

Cassette Sprocket

Series		XTR	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX	XTR	XTR	DEORE XT
Model no.		CS-M9001	CS-M8000	CS-M8000	CS-M8000 (11-46T)	CS-M7000-11	CS-M7000-11	CS-M7000-11	CS-M980	CS-M980	CS-M771-10
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	10-speed	10-speed	10-speed
Compatible chain		HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Combination name		11-40T	11-40T	11-42T	11-46T	11-40T	11-42T	11-46T	11-34T	11-36T	11-32T
Group name		bs	bs	bt	bu	bs	bt	bu	bJ	bk	bL
Combination *Titanium gear **Aluminum gear	11th	40**	40**	42**	46**	40**	42**	46**	-	-	-
	10th	35*	35	37	37**	35	37	37**	34*	36*	32
	9th	31*	31	32	32	31	32	32	30*	32*	28
	8th	27*	27	28	28	27	28	28	26*	28*	25
	7th	24*	24	24	24	24	24	24	23*	24*	22
	6th	21*	21	21	21	21	21	21	21*	21*	20
	5th	19*	19	19	19	19	19	19	19	19	18
	4th	17	17	17	17	17	17	17	17	17	16
	3rd	15	15	15	15	15	15	15	15	15	14
	2nd	13	13	13	13	13	13	13	13	13	12
	1st	11	11	11	11	11	11	11	11	11	11
Carbon Spider arm	QTY (pcs)	2	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	2	2	2	2	1	1	1	3	3	2
Steel Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Average weight		330 g	411 g	434 g	437 g	450 g	476 g	482 g	255 g	272 g	294 g
Note					NEW gear combination						

Series		DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-M771-10	CS-M771-10	CS-HG81-10	CS-HG81-10	CS-HG81-10	CS-HG50-10	CS-HG500-10	CS-HG400-9	CS-HG400-9	CS-HG400-9
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		10-speed	10-speed	10-speed	10-speed	10-speed	10-speed	10-speed	9-speed	9-speed	9-speed
Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X	HG 9-speed	HG 9-speed	HG 9-speed
Combination name		11-34T	11-36T	11-32T	11-34T	11-36T	11-36T	11-42T (New)	11-28T	11-32T	11-34T
Group name		bJ	bk	bL	bJ	bk	bk		bg	ar	au
Combination *Titanium gear **Aluminum gear	11th	-	-	-	-	-	-	-	-	-	-
	10th	34	36	32	34	36	36	42**	-	-	-
	9th	30	32	28	30	32	32	37	28	32	34
	8th	26	28	25	26	28	28	32	24	28	30
	7th	23	24	22	23	24	24	28	21	24	26
	6th	21	21	20	21	21	21	24	18	21	23
	5th	19	19	18	19	19	19	21	16	18	20
	4th	17	17	16	17	17	17	18	14	16	17
	3rd	15	15	14	15	15	15	15	13	14	15
	2nd	13	13	12	13	13	13	13	12	12	13
	1st	11	11	11	11	11	11	11	11	11	11
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	2	2	1	1	1	-	-	-	-	-
Steel Spider arm	QTY (pcs)	-	-	-	-	-	1	1	-	-	-
Average weight		323 g	343 g	317 g	351 g	369 g	-	-	-	-	-
Note				Use CN-6701 with Road double FC							

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-HG400-9	CS-HG400-9	CS-HG300-9	CS-HG300-9	CS-HG300-9	CS-HG300-9	CS-HG201-9	CS-HG201-9	CS-HG201-9	CS-HG200-9
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		9-speed	9-speed	9-speed	9-speed	9-speed	9-speed	9-speed	9-speed	9-speed	9-speed
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Combination name		12-36T	11-36T	11-28T	11-32T	11-34T	12-36T	11-32T	11-34T	11-36T	11-32T
Group name		bh	cb	bg	ar	au	bh	bo	bn	bw	bo
Combination *Titanium gear **Aluminum gear	11th	-	-	-	-	-	-	-	-	-	-
	10th	-	-	-	-	-	-	-	-	-	-
	9th	36	36	28	32	34	36	32	34	36	32
	8th	32	30	24	28	30	32	28	30	30	28
	7th	28	26	21	24	26	28	24	26	26	24
	6th	24	23	18	21	23	24	21	23	23	21
	5th	21	20	16	18	20	21	19	20	20	19
	4th	18	17	14	16	17	18	17	17	17	17
	3rd	16	15	13	14	15	16	15	15	15	15
	2nd	14	13	12	12	13	14	13	13	13	13
	1st	12	11	11	11	11	12	11	11	11	11
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Steel Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Average weight		-	-	-	-	-	-	-	-	-	-
Note											

Cassette Sprocket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-HG200-9	CS-HG200-9	CS-HG51-8	CS-HG51-8	CS-HG51-8	CS-HG41-8	CS-HG41-8	CS-HG41-8	CS-HG31-8	CS-HG31-8
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		9-speed	9-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed
Compatible chain		HG 9-speed	HG 9-speed	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG
Combination name		11-34T	11-36T	11-28T	11-30T	11-32T	11-30T	11-32T	11-34T	11-30T	11-32T
Group name		bn	bw	bf	an	aw	an	aw	ao	an	aw
Combination *Titanium gear **Aluminum gear	11th	-	-	-	-	-	-	-	-	-	-
	10th	-	-	-	-	-	-	-	-	-	-
	9th	34	36	-	-	-	-	-	-	-	-
	8th	30	30	28	30	32	30	32	34	30	32
	7th	26	26	24	26	28	26	28	26	26	28
	6th	23	23	21	23	24	23	24	23	23	24
	5th	20	20	19	20	21	20	21	20	20	21
	4th	17	17	17	17	18	17	18	17	17	18
	3rd	15	15	15	15	15	15	15	15	15	15
	2nd	13	13	13	13	13	13	13	13	13	13
	1st	11	11	11	11	11	11	11	11	11	11
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Steel Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-	-
Average weight		-	-	-	-	-	-	-	-	-	-
Note											

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		CS-HG31-8	CS-HG200-8	CS-HG41-7	CS-HG200-7	CS-HG200-7	CS-MX66
Type		HG	HG	HG	HG	HG	Single sprocket for FH-MX70
Speeds		8-speed	8-speed	7-speed	7-speed	7-speed	Single
Compatible chain		IG/HG	HG 8-speed	IG/HG	IG/HG	IG/HG	1/2" x 3/32"
Combination name		11-34T	12-32T	11-28T	12-28T	12-32T	-
Group name		ao	br	ac	bm	bp	-
Combination *Titanium gear **Aluminum gear	11th	-	-	-	-	-	-
	10th	-	-	-	-	-	-
	9th	-	-	-	-	-	-
	8th	34	32	-	-	-	-
	7th	26	28	28	28	32	-
	6th	23	24	24	24	26	-
	5th	20	21	21	21	21	-
	4th	17	18	18	18	18	-
	3rd	15	16	15	16	16	-
	2nd	13	14	13	14	14	-
	1st	11	12	11	12	12	-
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	-
Steel Spider arm	QTY (pcs)	-	-	-	-	-	-
Average weight		-	-	-	-	-	-
Note							For BMX racing

Multiple Freewheel

Series		TOURNEY	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		MF-HG37	MF-TZ500-7-CP	MF-TZ500-7	MF-TZ500-7-CP	MF-TZ500-7	MF-TZ500-6-CP	MF-TZ500-6
Type		HG	HG/UG	HG/UG	HG/UG	HG/UG	HG/UG	HG/UG
Speeds		7-speed	7-speed	7-speed	7-speed	7-speed	6-speed	6-speed
Combination	7th	28	34	34	28	28	-	-
	6th	24	24	24	24	24	28	28
	5th	21	22	22	22	22	24	24
	4th	19	20	20	20	20	21	21
	3rd	17	18	18	18	18	18	18
	2nd	15	16	16	16	16	16	16
	1st	13	14	14	14	14	14	14
Group		bz	-	-	-	-	-	-
Spider arm (Pcs)		-	-	-	-	-	-	-
Aluminum lock ring		-	-	-	-	-	-	-
Compatible chain		HG/UG	HG/UG	HG/UG	HG/UG	HG/UG	HG/UG	HG/UG
Note			With Spoke protector		With Spoke protector		With Spoke protector	

Front Hub (Disc Brake)

Series			XTR	XTR	SAINT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			HB-M9010	HB-M9010-B	HB-M820	HB-M8000	HB-M8010	HB-M8010-B	HB-M756
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Black
	2		-	-	-	-	-	-	Silver
Brake Type			CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake
O.L.D. (mm)			100	110	110	100	100	110	100
Spoke hole	28H		X	X	-	-	-	-	-
	32H		X	X	X	X	X	X	X
	36H		-	-	X	-	X	-	X
External serration rotor lock ring	with		X	X	X	-	X	-	-
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		15 mm E-THRU	15 mm E-THRU	20 mm Thru	QR	15 mm E-THRU	15 mm E-THRU	QR
	QR skewer length (mm)	129	-	-	-	-	-	-	-
		133	-	-	-	-	-	-	X
	Thru Axle Length x Inner Diameter (mm)	100 x 15	X	-	-	-	X	-	-
		110 x 15	-	X	-	-	-	X	-
		110 x 20	-	-	X	-	-	-	-
Flange distance (mm)			60.2	70.2	61.6	60.4	60.2	70.2	59.4
Offset (mm)			5.4	5.4	5.6	5.8	5.3	5.4	5.5
P.C.D. Left/Right (mm)			44/44	44/44	52	44/41	44/44	44/44	61
Flange diameter (mm)			52.8	52.8	59.6	52.8/51.4	52.8	52.8	70.6
Seal			Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Internal grease sleeve			X	X	X	X	X	X	-
Bearing	Stainless ball		X	X	X	-	-	-	-
	Cup		Griding	Grinding	CBN	-	-	Grinding	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN
QR lever	Color		-	-	-	Black	-	-	Black/Silver (Same as product color)
Average weight			136 g	155 g	216 g	164 g	148 g	158 g	239 g
Note					Axle is supplied with front fork		Axle is supplied with front fork		Spoke hole 24H spec available

Series			DXR	SLX	SLX	SLX	ZEE	DEORE	DEORE
Model no.			HB-MX71	HB-M7000	HB-M7010	HB-M7010-B	HB-M640	HB-M6000	HB-M6010
Color	1		Series color	Series color	Series color	Series color	Series color	Series black	Series black
	2		-	-	-	-	-	Series silver*	-
Brake Type			Rim	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)			100	100	100	110	110	100	100
Spoke hole	28H		-	-	-	-	-	-	-
	32H		X	X	X	X	X	X	X
	36H		X	-	-	-	X	X	X
External serration rotor lock ring	with		-	-	X	X	X	-	X
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		Nut	QR	15 mm E-THRU	15 mm E-THRU	20 mm Thru	QR	15 mm E-THRU
	QR skewer length (mm)	129	-	-	-	-	-	-	-
		133	-	X	-	-	-	X	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-	X	-	-	-	X
		110 x 15	-	-	-	X	-	-	-
		110 x 20	-	-	-	-	X	-	-
Flange distance (mm)			74	60.2	60.2	70.2	61.6	60.2	60.2
Offset (mm)			0	5.5	5.4	5.4	5.6	5.3	5.3
P.C.D. Left/Right (mm)			40	44/44	44/44	44/44	52	44	44
Flange diameter (mm)			50.4	52.8/52.8	52.8	52.8	59.6	52.8	52.8
Seal			Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Internal grease sleeve			X	X	X	X	X	-	X
Bearing	Stainless ball		X	-	-	-	-	-	-
	Cup		Griding	-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN
QR lever	Color		-	Black	-	-	-	Black	-
Average weight			263 g	189 g	148 g	158 g	228 g	-	-
Note			For BMX racing				Axle is supplied with front fork	* for Trekking	-

Front Hub (Disc Brake)

Series			DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			HB-M6010-B	HB-M525A	HB-M475	HB-M4050	HB-M3050	HB-RM35	HB-TX505
Color	1		Series black	Black	Black	Black	Black	Black	Black
	2		-	Silver	Silver	Silver	-	-	-
Brake Type			CENTER LOCK disc brake	6-bolt disc brake	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)			110	100	100	100	100	100	100
Spoke hole	28H		-	-	-	-	-	X	-
	32H		X	X	X	X	X	X	X
	36H		-	X	X	X	X	X	X
External serration rotor lock ring	with		X	-	-	-	-	-	-
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		15 mm E-THRU	QR	QR	QR	QR	QR	QR
	QR skewer length (mm)	129	-	-	-	-	-	-	-
		133	-	X	X	X	X	X	X
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-	-	-	-	-	-
		110 x 15	X	-	-	-	-	-	-
		110 x 20	-	-	-	-	-	-	-
Flange distance (mm)			70.2	59.4	59.4	60.2	60.2	60.2	60.2
Offset (mm)			5.4	5.5	5.5	5.6	5.5	5.5	5.5
P.C.D. Left/Right (mm)			44/44	61	61	44/44	44/44	44/44	44/44
Flange diameter (mm)			52.8	70.6	70.6	52.8	52.8	52.8	52.8
Seal			Labyrinth & Contact	Labyrinth & Contact	Contact	Labyrinth & Contact	Contact	-	-
Internal grease sleeve			X	-	-	-	-	-	-
Bearing	Stainless ball		-	-	-	-	-	-	-
	Cup		-	-	-	-	-	-	-
	Cone		CBN	CBN	-	-	-	-	-
QR lever	Color		-	Black	Black	Black	Black	Black	Black
Average weight			-	-	-	-	-	-	-
Note			-						

Front Hub (Rim Brake)

Series			SHIMANO	SHIMANO
Model no.			HB-TX500-QR	HB-TX500-NT
Color	1		Black	Black
	2		Silver	Silver
Brake Type			Rim brake	Rim brake
O.L.D. (mm)			100	100
Spoke hole	28H		-	-
	32H		X	X
	36H		X	X
External serration rotor lock ring	with		-	-
	without		X	X
CENTER LOCK mount cover option			-	-
Axle	Fixing method		QR	Nut
	QR skewer length (mm)	129	X	-
		133	X	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-
		110 x 15	-	-
		110 x 20	-	-
Flange distance (mm)			71.6	71.6
Offset (mm)			0	0
P.C.D. Left/Right (mm)			38/38	38/38
Flange diameter (mm)			46	46
Seal			-	-
Internal grease sleeve			-	-
Bearing	Stainless ball		-	-
	Cup		-	-
	Cone		-	-
QR lever	Color		Black	-
Average weight			-	-
Note				

FREEHUB (Disc Brake)

Series			XTR	XTR	XTR	SAINT	SAINT	SAINT	DEORE XT
Model no.			FH-M9000	FH-M9010	FH-M9010-B	FH-M820	FH-M825	FH-M828	FH-M8000
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
Brake Type			CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds			8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed
O.L.D. (mm)			135	142	148	135	150	142	135
Spoke hole	28H		-	-	-	-	-	-	-
	32H		X	X	X	X	X	X	X
	36H		-	-	-	X	X	X	-
External serration rotor lock ring	with		X	X	X	-	-	-	-
	without		-	-	-	-	-	-	-
Internal serration disc brake rotor lock ring	with		-	-	-	X	X	X	-
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		QR	12 mm E-THRU	12 mm E-THRU	Thru	Thru	Thru	QR
	QR skewer length (mm)	166	-	-	-	-	-	-	-
		168	X	-	-	-	-	-	X
		170	-	-	-	-	-	-	-
		173	X	-	-	-	-	-	X
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	X	-	-	-
		135 x 12	-	-	-	X	-	-	-
		142 x 12	-	X	-	-	-	X	-
		148 x 12	-	-	X	-	-	-	-
		150 x 12	-	-	-	-	X	-	-
Flange distance (mm) Offset (mm)			57.4 6.6	57.4 6.6	63.4 6.6	57.4 6.4	72.4 6.6	57.4 6.4	57.4 6.6
P.C.D. Left/Right (mm)			44/45	44/45	44/45	44/45	44/45	44/45	44/45
Flange diameter Left/Right (mm)			52.8/53.8	52.8/53.8	52.8/53.8	52.8/ 53.8	52.8/ 53.8	52.8/ 53.8	52.8/53.8
Quick engagement			X (36points/360°)	X (36points/360°)	X (36points/360°)	X (36points/360°)	X (36points/360°)	X (36points/360°)	X (more than 36times/ 360degree)
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		Contact	Contact	Contact	Contact	Contact	Contact	Contact
Internal grease sleeve			X	X	X	X	X	X	X
Bearing	Stainless ball		X	X	X	X	X	X	-
	Cup		Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN
QR lever	Color		Series color	-	-	-	-	-	Series color
Average weight* *w/o axle, QR nor lockring			271 g	268 g	277 g	347 g (ø10) 333 g (ø12)	348 g	336 g	328 g
Note									

Series			DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX	ZEE
Model no.			FH-M8010	FH-M8010-B	FH-M756	FH-M7000	FH-M7010	FH-M7010-B	FH-M640
Color	1		Series color	Series color	Black	Series color	Series color	Series color	Series color
	2		-	-	Silver	-	-	-	-
Brake Type			CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds			8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed
O.L.D. (mm)			142	148	135	135	142	148	135
Spoke hole	28H		-	-	-	-	-	-	-
	32H		X	X	X	X	X	X	X
	36H		-	-	X	-	-	-	X
External serration rotor lock ring	with		-	-	-	-	-	-	-
	without		-	-	-	-	-	-	-
Internal serration disc brake rotor lock ring	with		-	-	-	-	-	-	-
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		12 mm E-THRU	12 mm E-THRU	QR	QR	12 mm E-THRU	12 mm E-THRU	Thru
	QR skewer length (mm)	166	-	-	-	-	-	-	-
		168	-	-	X	X	-	-	-
		170	-	-	-	-	-	-	-
		173	-	-	X	X	-	-	-
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-	-	-	X
		135 x 12	-	-	-	-	-	-	X
		142 x 12	X	-	-	-	X	-	-
		148 x 12	-	X	-	-	-	X	-
		150 x 12	-	-	-	-	-	-	-
Flange distance (mm) Offset (mm)			57.4 6.4	63.4 6.4	57.1 6.8	57.4 6.6	56.3 6.6	62.3 6.6	57.4 6.4
P.C.D. Left/Right (mm)			44/45	44/45	61	44/45	44/45	44/45	44/45
Flange diameter Left/Right (mm)			52.8/53.8	52.8/53.8	70.6	52.8/53.8	64/70	64/70	52.8/ 53.8
Quick engagement			X (more than 36times/ 360degree)	X (36times/ 360degree)	-	X (32times/360degree)	X (36times/ 360degree)	X (36times/ 360degree)	X (36points/360°)
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		Contact	Contact	Contact	Contact	Contact	Contact	Contact
Internal grease sleeve			X	-	X	X	X	X	X
Bearing	Stainless ball		-	-	-	-	-	-	X
	Cup		-	Grinding	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN
QR lever	Color		-	-	Series color	Black	-	-	-
Average weight* *w/o axle, QR nor lockring			359 g	367 g	364 g	384 g	357 g	360 g	375 g (ø10) 350 g (ø12)
Note					Spoke hole 24H spec available				

FREEHUB (Disc Brake)

Series			ZEE	ZEE	DEORE	DEORE	DEORE	SHIMANO	SHIMANO
Model no.			FH-M645	FH-M648	FH-M6000	FH-M6010	FH-M6010-B	FH-M525A	FH-M475
Color	1		Series color	Series color	Series black	Series black	Series black	Black	Black
	2		-	-	Series silver*	-	-	Silver	Silver
Brake Type			CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	6-bolt disc brake
Speeds			8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB	8-10 speed MTB	8-10 speed MTB	8-10 speed MTB 11-speed	8-10 speed
O.L.D. (mm)			150	142	135	142	148	135	135
Spoke hole	28H		-	-	-	-	-	-	-
	32H		X	X	X	X	X	X	X
	36H		X	X	X	-	X	X	X
External serration rotor lock ring	with		-	-	-	-	-	-	-
	without		-	-	-	-	-	-	-
Internal serration disc brake rotor lock ring	with		-	-	-	-	-	-	-
	without		-	-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-	-
Axle	Fixing method		Thru	Thru	QR	12 mm E-THRU	12 mm E-THRU	QR	QR
	QR skewer length (mm)	166	-	-	-	-	-	-	X
		168	-	-	X	-	-	X	-
		170	-	-	-	-	-	-	X
		173	-	-	X	-	-	X	X
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-	-	-	-
		135 x 12	-	-	-	-	-	-	-
		142 x 12	-	X	-	X	-	-	-
		148 x 12	-	-	-	-	X	-	-
		150 x 12	X	-	-	-	-	-	-
Flange distance (mm) Offset (mm)			72.4	57.4	57.4	57.4	63.4	57.1	57.1
			6.4	6.4	8.6	6.4	6.4	6.8	6.8
P.C.D. Left/Right (mm)			44/45	44/45	45	44/45	44/45	61	61
Flange diameter Left/Right (mm)			52.8/ 53.8	52.8/ 53.8	53.8	52.8/ 53.8	52.8/53.8	70.6	70.6
Quick engagement			X (36points/360°)	X (36points/360°)	-	X (36times/ 360degree)	X (36times/ 360degree)	-	-
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		Contact	Contact	Contact	Contact	Contact	Contact	-
Internal grease sleeve			X	X	X	X	X	-	-
Bearing	Stainless ball		X	X	-	-	-	-	-
	Cup		-	-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	-
QR lever	Color		-	-	Black	-	-	Black	Black
Average weight* *w/o axle, QR nor lockring			363 g	357 g	-	-	-	-	-
Note					* for Trekking				

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			FH-M4050	FH-M3050	FH-RM35	FH-TX505-8
Color	1		Black	Black	Black	Black
	2		Silver	-	-	-
Brake Type			CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds			8/9 speed	8/9 speed	8/9 speed	8/9 speed
O.L.D. (mm)			135	135	135	135
Spoke hole	28H		-	-	X*	-
	32H		X	X	X	X
	36H		X	X	X	X
External serration rotor lock ring	with		-	-	-	-
	without		-	-	-	-
Internal serration disc brake rotor lock ring	with		-	-	-	-
	without		-	-	-	-
CENTER LOCK mount cover option			-	-	-	-
Axle	Fixing method		QR	QR	QR	QR
	QR skewer length (mm)	166	-	X	X	X
		168	X	-	-	-
		170	-	X	X	X
		173	X	-	-	-
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-
		135 x 12	-	-	-	-
		142 x 12	-	-	-	-
		148 x 12	-	-	-	-
		150 x 12	-	-	-	-
Flange distance (mm) Offset (mm)			57.4	57.4	57.4	57.4
			6.6	6.6	6.6	6.6
P.C.D. Left/Right (mm)			45/45	45/45	45/45	45/45
Flange diameter Left/Right (mm)			53.8	53.8	53.8	53.8
Quick engagement			-	-	-	-
Seal	Hub		Labyrinth & Contact	Contact	-	-
	FREEHUB body		Contact	-	-	-
Internal grease sleeve			X	-	-	-
Bearing	Stainless ball		-	-	-	-
	Cup		-	-	-	-
	Cone		CBN	-	-	-
QR lever	Color		Black	Black	Black	Black
Average weight* *w/o axle, QR nor lockring			-	-	-	-
Note					* 166 mm QR spec	

FREEHUB (Rim Brake)

Series			DXR	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			FH-MX71	FH-TX500-8-QR	FH-TX500-8-NT	FH-RM30-7-QR	FH-RM30-7-NT
Color	1		Series color	Black	Black	Black	Black
	2		-	Silver	Silver	Silver	Silver
Brake Type			Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Speeds			Single speed	8/9-speed	8/9-speed	7-speed	7-speed
O.L.D. (mm)			112	135	135	130/135	135
Spoke hole	28H		-	-	-	-	-
	32H		X	X	X	-	-
	36H		X	X	X	X	X
External serration rotor lock ring	with		-	-	-	-	-
	without		X	X	X	X	X
Internal serration disc brake rotor lock ring	with		-	-	-	-	-
	without		X	X	X	X	X
CENTER LOCK mount cover option			-	-	-	-	-
Axle	Fixing method		Nut	QR	Nut	QR	Nut
	QR skewer length (mm)	166	-	X	-	X	-
		168	-	-	-	-	-
		170	-	X	-	X	-
		173	-	-	-	-	-
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-	-
		135 x 12	-	-	-	-	-
		142 x 12	-	-	-	-	-
		148 x 12	-	-	-	-	-
		150 x 12	-	-	-	-	-
Flange distance (mm)			57.4	57.4	57.4	59.2	59.2
Offset (mm)			0	6.8	6.8	135:5.5	135:5.5
P.C.D. Left/Right (mm)			45	45/45	45/45	45/45	45/45
Flange diameter Left/Right (mm)			53.8	53.8	53.8	53.8	53.8
Quick engagement			X (36points/360°)	-	-	-	-
Seal	Hub		Labyrinth & Contact	-	-	-	-
	FREEHUB body		Contact	-	-	-	-
Internal grease sleeve			X	-	-	-	-
Bearing	Stainless ball		X	-	-	-	-
	Cup		Grinding	-	-	-	-
	Cone		CBN	-	-	-	-
QR lever	Color		-	Black	-	Silver	-
Average weight* *w/o axle, QR nor lockring			448 g (w/ fixing bolt)	-	-	-	-
Note			For BMX				

Wheel (Disc Brake)

Series			XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR
Model no.			WH-M9000-TU-F15-29	WH-M9000-TU-R12-29	WH-M9000-TU-R-29	WH-M9000-TL-F15-29	WH-M9000-TL-R12-29	WH-M9000-TL-R-29	WH-M9000-TL-F15-275	WH-M9000-TL-R12-275	WH-M9000-TL-R-275	WH-M9020-TL-F15-29
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Front/Rear			Front	Rear	Rear	Front	Rear	Rear	Front	Rear	Rear	Front
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			-	MTB 11-speed***	MTB 11-speed***	-	MTB 11-speed***	MTB 11-speed***	-	MTB 11-speed***	MTB 11-speed***	-
O.L.D. (mm)			100	142	135	100	142	135	100	142	135	100
Wheel Size			29inch	29inch	29inch	622 x 20C (29")	622 x 20C (29")	622 x 20C (29")	584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	622 x 24C (29")
External serration rotor lock ring	with		X	X	X	X	X	X	X	X	X	X
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		Tubular	Tubular	Tubular	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *
	Recommended size		29 x 1.90-2.10	29 x 1.90-2.10	29 x 1.90-2.10	29 x 1.90-2.25	29 x 1.90-2.25	29 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	29 x 2.00-2.35
Rim	Height (mm)		23	23	23	18.8	18.8	18.8	18.8	18.8	18.8	18.8
	Width (mm)		26	26	26	23.9	23.9	23.9	23.9	23.9	23.9	27.9
	Rim joint		CFRP monocoque	CFRP monocoque	CFRP monocoque	Welding	Welding	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		X	X	X	X	X	X	X	X	X	X
	Requires rim tape		-	-	-	X**	X**	X**	X**	X**	X**	X**
Spokes	Number		28	28	28	28	28	28	28	28	28	28
	Straight pull		X	X	X	X	X	X	X	X	X	X
	J-bend		-	-	-	-	-	-	-	-	-	-
	Butted		2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0
	Bladed		-	-	-	-	-	-	-	-	-	-
Axle	Fixing method		15 mm E-THRU	12 mm E-THRU	QR	15 mm E-THRU	12 mm E-THRU	QR	15 mm E-THRU	12 mm E-THRU	QR	15 mm E-THRU
	QR skewer length (mm)	133	-	-	-	-	-	-	-	-	-	-
		168	-	-	X	-	-	X	-	-	X	-
		173	-	-	X	-	-	X	-	-	X	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	X	-	-	X	-	-	X	-	-	X
		110 x 15	-	-	-	-	-	-	-	-	-	-
		142 x 12	-	X	-	-	X	-	-	X	-	-
		148 x 12	-	-	-	-	-	-	-	-	-	-
Quick engagement			-	X (36points/360°)	X (36points/360°)	-	X (36points/360°)	X (36points/360°)	-	X (36points/360°)	X (36points/360°)	-
Bearing	Stainless ball		X	X	X	X	X	X	X	X	X	X
	Cup		Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	Grinding
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		-	Contact	Contact	-	Contact	Contact	-	Contact	Contact	-
Internal grease sleeve			X	X	X	X	X	X	X	X	X	X
QR lever	Color		-	-	Series color	-	-	Series color	-	-	Series color	-
Reflector	JIS/CPSC		CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS		CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN		CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			606 g	739 g	742 g	761 g	894 g	894 g	724 g	857 g	857 g	777 g
Note				***CP is available only for 11-speed	***CP is available only for 11-speed	* Max pressure 280kPa ** Exclusive rim tape	* Max pressure 280 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 280 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 280kPa ** Exclusive rim tape	* Max pressure 280 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 280 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 260kPa ** Exclusive rim tape

Wheel (Disc Brake)

Series			XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			WH-M9020-TL-R12-29	WH-M9020-TL-F15-275	WH-M9020-TL-R12-275	WH-M8000-TL-F-29	WH-M8000-TL-F15-29	WH-M8000-TL-F15-B-29	WH-M8000-TL-R-29	WH-M8000-TL-R12-29	WH-M8000-TL-R12-B-29	WH-M8000-TL-F-275
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Front/Rear			Rear	Front	Rear	Front	Front	Front	Rear	Rear	Rear	Front
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			MTB 11-speed***	-	MTB 11-speed***	-	-	-	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	-
O.L.D. (mm)			142	100	142	100	100	110	135	142	148	100
Wheel Size			622 x 24C (29")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	622 x 20C (29")	622 x 20C (29")	622 x 20C (29")	622 x 20C (29")	622 x 20C (29")	622 x 20C (29")	584 x 20C (650B=27.5")
External serration rotor lock ring	with		X	X	X	-	X	X	-	-	-	-
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *
	Recommended size		29 x 2.00-2.35	27.5 x 2.00-2.40	27.5 x 2.00-2.40	29 x 1.90-2.25	29 x 1.90-2.25	29 x 1.90-2.25	29 x 1.90-2.25	29 x 1.90-2.25	29 x 1.90-2.25	27.5 x 1.90-2.25
Rim	Height (mm)		18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
	Width (mm)		27.9	27.9	27.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
	Rim joint		Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		X	X	X	X	X	X	X	X	X	X
	Requires rim tape		X**	X**	X**	X**	X**	X**	X**	X**	X**	X**
Spokes	Number		28	28	28	28	28	28	28	28	28	28
	Straight pull		X	X	X	X	X	X	X	X	X	X
	J-bend		-	-	-	-	-	-	-	-	-	-
	Butted		2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.5-2.0
	Bladed		-	-	-	-	-	-	-	-	-	-
Axle	Fixing method		12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	QR	15 mm E-THRU	15 mm E-THRU	QR	12 mm E-THRU	12 mm E-THRU	QR
	QR skewer length (mm)	133	-	-	-	X	-	-	-	-	-	X
		168	-	-	-	-	-	-	X	-	-	-
		173	-	-	-	-	-	-	X	-	-	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	X	-	-	X	-	-	-	-	-
		110 x 15	-	-	-	-	-	X	-	-	-	-
		142 x 12	X	-	X	-	-	-	-	X	-	-
		148 x 12	-	-	-	-	-	-	-	-	X	-
Quick engagement			X (36points/360°)	-	X (36points/360°)	-	-	-	X (36points/360°)	X (36points/360°)	X (36points/360°)	-
Bearing	Stainless ball		X	X	X	-	X	-	-	-	-	-
	Cup		Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	Grinding	-	Grinding	Grinding
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		Contact	-	Contact	-	-	-	Contact	Contact	Contact	-
Internal grease sleeve			X	X	X	X	X	X	X	X	X	X
QR lever	Color		-	-	-	Series color	-	-	Series color	-	-	Series color
Reflector	JIS/CPSC		CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS		CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN		CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			910 g	750 g	880 g	839 g	796 g	843 g	1,017 g	1,046 g	1,049 g	809 g
Note			* Max pressure 260 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 260kPa ** Exclusive rim tape	* Max pressure 260 kPa ** Exclusive rim tape *** CP is available only for MTB 11-speed.	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape

Wheel (Disc Brake)

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			WH-M8000-TL-F15-275	WH-M8000-TL-F15-B-275	WH-M8000-TL-R-275	WH-M8000-TL-R12-275	WH-M8000-TL-R12-B-275	WH-M8020-TL-F15-29	WH-M8020-TL-F15-B-29	WH-M8020-TL-R12-29	WH-M8020-TL-R12-B-29	WH-M8020-TL-F15-275
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Front/Rear			Front	Front	Rear	Rear	Rear	Front	Front	Rear	Rear	Front
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			-	-	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	-	-	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	-
O.L.D. (mm)			100	110	135	142	148	100	110	142	148	100
Wheel Size			584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	584 x 20C (650B=27.5")	622 x 24C (29")	622 x 24C (29")	622 x 24C (29")	622 x 24C (29")	584 x 24C (650B=27.5")
External serration rotor lock ring	with		X	X	-	-	-	X	X	-	-	X
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	UST/ Clincher *
	Recommended size		27.5 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	29 x 2.00-2.35	29 x 2.00-2.35	29 x 2.00-2.35	29 x 2.00-2.35	27.5 x 2.00-2.40
Rim	Height (mm)		18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
	Width (mm)		23.9	23.9	23.9	23.9	23.9	27.9	27.9	27.9	27.9	27.9
	Rim joint		Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		X	X	X	X	X	X	X	X	X	X
	Requires rim tape		X**	X**	X**	X**	X**	X**	X**	X**	X**	X**
Spokes	Number		28	28	28	28	28	28	28	28	28	28
	Straight pull		X	X	X	X	X	X	X	X	X	X
	J-bend		-	-	-	-	-	-	-	-	-	-
	Butted		2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0
	Bladed		-	-	-	-	-	-	-	-	-	-
Axle	Fixing method		15 mm E-THRU	15 mm E-THRU	QR	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU
	QR skewer length (mm)	133	-	-	-	-	-	-	-	-	-	-
		168	-	-	X	-	-	-	-	-	-	-
		173	-	-	X	-	-	-	-	-	-	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	X	-	-	-	-	X	-	-	-	X
		110 x 15	-	X	-	-	-	-	X	-	-	-
		142 x 12	-	-	-	X	-	-	-	X	-	-
		148 x 12	-	-	-	-	X	-	-	-	X	-
Quick engagement			-	-	X (36points/360°)	X (36points/360°)	X (36points/360°)	-	-	X (36points/360°)	X (36points/360°)	-
Bearing	Stainless ball		X	-	-	-	-	X	-	-	-	X
	Cup		Grinding	Grinding	Grinding	-	Grinding	Grinding	Grinding	-	Grinding	Grinding
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		-	-	Contact	Contact	Contact	-	-	Contact	Contact	-
Internal grease sleeve			X	X	X	X	X	X	X	X	X	X
QR lever	Color		-	-	Series color	-	-	-	-	-	-	-
Reflector	JIS/CPSC		CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS		CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN		CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			766 g	814 g	986 g	1,017 g	1,020 g	836 g	881 g	1,085 g	1,088 g	802 g
Note			* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape

Wheel (Disc Brake)

Series			DEORE XT	DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			WH-M8020-TL-F15-B-275	WH-M8020-TL-R12-275	WH-M8020-TL-R12-B-275	WH-MT500-CL-F-275	WH-MT500-CL-R-275	WH-MT500-CL-F15-275	WH-MT500-CL-R12-275	WH-MT500-CL-F15-B-275	WH-MT500-CL-R12-B-275	WH-MT500-CL-F-29
Color	1		Series color	Series color	Series color	Black	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	-	-	-	-	-
Front/Rear			Front	Rear	Rear	Front	Rear	Front	Rear	Front	Rear	Front
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			-	8-10 speed MTB 11-speed	8-10 speed MTB 11-speed	-	8-10 speed MTB 11-speed***	-	8-10 speed MTB 11-speed***	-	8-10 speed MTB 11-speed***	-
O.L.D. (mm)			110	142	148	100	135	100	142	110	148	100
Wheel Size			584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	584 x 24C (650B=27.5")	622 x 24C
External serration rotor lock ring	with		X	-	-	-	-	X	-	X	-	-
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		UST/ Clincher *	UST/ Clincher *	UST/ Clincher *	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size		27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	27.5 x 2.00-2.40	29 x 2.00-2.40
Rim	Height (mm)		18.8	18.8	18.8	21	21	21	21	21	21	21
	Width (mm)		27.9	27.9	27.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6
	Rim joint		Welding	Welding	Welding	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		X	X	X	-	-	-	-	-	-	-
	Requires rim tape		X**	X**	X**	X (24-584)	X (24-584)	X (24-584)	X (24-584)	X (24-584)	X (24-584)	X (24-622)
Spokes	Number		28	28	28	24	24	24	24	24	24	24
	Straight pull		X	X	X	-	-	-	-	-	-	-
	J-bend		-	-	-	X	X	X	X	X	X	X
	Butted		2.0-1.8-2.0	2.0-1.8-.2.0	2.0-1.8-2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	Bladed		-	-	-	-	-	-	-	-	-	-
Axle	Fixing method		15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	QR	QR	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	QR
	QR skewer length (mm)	133	-	-	-	X	-	-	-	-	-	X
		168	-	-	-	-	X	-	-	-	-	-
		173	-	-	-	-	X	-	-	-	-	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-	-	-	-	X	-	-	-	-
		110 x 15	X	-	-	-	-	-	-	X	-	-
		142 x 12	-	X	-	-	-	-	X	-	-	-
		148 x 12	-	-	X	-	-	-	-	-	X	-
Quick engagement			-	X (36points/360°)	X (36points/360°)	-	-	-	-	-	-	-
Bearing	Stainless ball		-	-	-	-	-	-	-	-	-	-
	Cup		Grinding	-	Grinding	-	-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		-	-	Contact	-	-	Contact	Contact	-	Contact	-
Internal grease sleeve			X	X	X	X	X	X	X	X	X	X
QR lever	Color		-	-	-	Black	Black	-	-	-	-	Black
Reflector	JIS/CPSC		CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
	AS		CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW
	DIN		CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			847 g	1,050 g	1,053 g	912 g	1,098 g	887 g	1,083 g	-	-	955 g
Note			* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	* Max pressure 300kPa ** Exclusive rim tape	-	-	-	-	-	-	-

Wheel (Disc Brake)

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			WH-MT500-CL-R-29	WH-MT500-CL-F15-29	WH-MT500-CL-R12-29	WH-MT500-CL-F15-B-29	WH-MT500-CL-R12-B-29	WH-MT35-F	WH-MT35-F15	WH-MT35-R	WH-MT35-F-275	WH-MT35-F15-275
Color	1		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	White	White	White	White	White
Front/Rear			Rear	Front	Rear	Front	Rear	Front	Front	Rear	Front	Front
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			8-10 speed MTB 11-speed***	-	8-10 speed MTB 11-speed***	-	8-10 speed MTB 11-speed***	-	-	8-10 speed MTB 11-speed***	-	-
O.L.D. (mm)			135	100	142	110	148	100	100	135	100	100
Wheel Size			622 x 24C	622 x 24C	622 x 24C	622 x 24C	622 x 24C	559 x 19C (26")	559 x 19C (26")	559 x 19C (26")	584 x 19C (650B=27.5")	584 x 19C (650B=27.5")
External serration rotor lock ring	with		-	X	-	X	-	-	X	-	-	X
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		Clincher	Clincher	Clincher	Clincher	Clincher	clincher	clincher	clincher	Clincher	Clincher
	Recommended size		29 x 2.00-2.40	29 x 2.00-2.40	29 x 2.00-2.40	29 x 2.00-2.40	29 x 2.00-2.40	26 x 1.50-2.25	26 x 1.50-2.25	26 x 1.50-2.25	27.5 x 1.50-2.25	27.5 x 1.50-2.25
Rim	Height (mm)		21	21	21	21	21	19	19	19	19	19
	Width (mm)		29.6	29.6	29.6	29.6	29.6	24.6	24.6	24.6	24.6	24.6
	Rim joint		Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		-	-	-	-	-	-	-	-	-	-
	Requires rim tape		X (24-622)	X (24-622)	X (24-622)	X (24-622)	X (24-622)	X (20-559)	X (20-559)	X (20-559)	X (20-584)	X (20-584)
Spokes	Number		24	24	24	24	24	24	24	28	24	24
	Straight pull		-	-	-	-	-	-	-	-	-	-
	J-bend		X	X	X	X	X	X	X	X	X	X
	Butted		2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.0	2.0	2.0
	Bladed		-	-	-	-	-	X	X	X	X	X
Axle	Fixing method		QR	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	QR	15 mm E-THRU	QR	QR	15 mm E-THRU
	QR skewer length (mm)	133	-	-	-	-	-	X	-	-	X	-
		168	X	-	-	-	-	-	-	X	-	-
		173	X	-	-	-	-	-	-	X	-	-
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	X	-	-	-	-	X	-	-	X
		110 x 15	-	-	-	X	-	-	-	-	-	-
		142 x 12	-	-	X	-	-	-	-	-	-	-
		148 x 12	-	-	-	-	X	-	-	-	-	-
Quick engagement			-	-	-	-	-	-	-	-	-	-
Bearing	Stainless ball		-	-	-	-	-	-	-	-	-	-
	Cup		-	-	-	-	-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		-	Contact	Contact	-	Contact	-	-	Contact	-	-
Internal grease sleeve			X	X	X	X	X	-	X	X	-	X
QR lever	Color		Black	-	-	-	-	Black	-	Black	Black	-
Reflector	JIS/CPSC		RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
	AS		RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW
	DIN		RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			1,142 g	930 g	1,128 g	-	-	839 g	834 g	1,076 g	874 g	889 g
Note			-	-	-	-	-			***CP is available only for 9 & 10-speed		

Wheel (Disc Brake)

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			WH-MT35-R-275	WH-MT35-F-29	WH-MT35-F15-29	WH-MT35-R-29	WH-MT15-A-F-29	WH-MT15-A-F15-29	WH-MT15-A-R-29	WH-MT15-A-F-275	WH-MT15-A-F15-275	WH-MT15-A-R-275
Color	1		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
	2		White	White	White	White	White	White	White	White	White	White
Front/Rear			Rear	Front	Front	Rear	Front	Front	Rear	Front	Front	Rear
Brake Type			CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Speeds			8-10 speed MTB 11-speed***	-	-	8-10 speed MTB 11-speed***	-	-	8-10 speed MTB 11-speed***	-	-	8-10 speed MTB 11-speed***
O.L.D. (mm)			135	100	100	135	100	100	135	100	100	135
Wheel Size			584 x 19C (650B=27.5")	622 x 19C (29")	622 x 19C (29")	622 x 19C (29")	622 x 19C (29")	622 x 19C (29")	622 x 19C (29")	584 x 19C (650B=27.5")	584 x 19C (650B=27.5")	584 x 19C (650B=27.5")
External serration rotor lock ring	with		-	-	X	-	-	X	-	-	X	-
	without		-	-	-	-	-	-	-	-	-	-
Tire	Type		Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size		27.5 x 1.50-2.25	29 x 1.50-2.25	29 x 1.50-2.25	29 x 1.50-2.25	29 x 1.50-2.25	29 x 1.50-2.25	29 x 1.50-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25	27.5 x 1.90-2.25
Rim	Height (mm)		19	19	19	19	21	21	21	21	21	21
	Width (mm)		24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
	Rim joint		Welding	Welding	Welding	Welding	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement		-	-	-	-	-	-	-	-	-	-
	OFFSET RIM		-	-	-	-	-	-	-	-	-	-
	Requires rim tape		X (20-584)	X (20-622)	X (20-622)	X (20-622)	X (20-622)	X (20-622)	X (20-622)	X (20-584)	X (20-584)	X (20-584)
Spokes	Number		28	24	24	28	28	28	28	28	28	28
	Straight pull		-	-	-	-	-	-	-	-	-	-
	J-bend		X	X	X	X	X	X	X	X	X	X
	Butted		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Bladed		X	X	X	X	X	X	X	X	X	X
Axle	Fixing method		QR	QR	15 mm E-THRU	QR	QR	15 mm E-THRU	QR	QR	15 mm E-THRU	QR
	QR skewer length (mm)	133	-	X	-	-	X	-	-	X	-	-
		168	X	-	-	X	-	-	X	-	-	X
		173	X	-	-	X	-	-	X	-	-	X
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-	X	-	-	X	-	-	X	-
		110 x 15	-	-	-	-	-	-	-	-	-	-
		142 x 12	-	-	-	-	-	-	-	-	-	-
		148 x 12	-	-	-	-	-	-	-	-	-	-
Quick engagement			-	-	-	-	-	-	-	-	-	-
Bearing	Stainless ball		-	-	-	-	-	-	-	-	-	-
	Cup		-	-	-	-	-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN	CBN
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body		Contact	-	-	Contact	-	-	Contact	-	-	Contact
Internal grease sleeve			X	-	X	X	-	X	X	-	X	X
QR lever	Color		Black	Black	-	Black	Black	-	Black	Black	-	Black
Reflector	JIS/CPSC		RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
	AS		RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW
	DIN		RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW	RR317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)			1,091 g	908 g	902 g	1,148 g	1,036 g	1,031 g	1,246 g	1,002 g/Black 1,007 g/White	995 g/Black 1,000 g/White	1,204 g/Black 1,209 g/White
Note			***CP is available only for 9 & 10-speed			***CP is available only for 9 & 10-speed			***CP is available only for 9 & 10-speed			***CP is available only for 9 & 10-speed

CI-DECK

Series		CI-DECK	CI-DECK	CI-DECK	CI-DECK	CI-DECK	CI-DECK
Model no.		ID-CI300-7R	ID-CI300-6R	ID-CI300-LC	ID-CI400	SM-CI300	SM-CI301
Compatible shifting lever		SL-RS34/35/36/45/47	SL-RS34/35/36/45/47	-	-	-	-
Front speeds		-	-	-	-	-	-
Rear speeds		7	6	-	-	-	-
Shifting lever compatible rear derailleur type		Top normal	Top normal	-	-	-	-
CI-DECK cable		Stainless steel	Stainless steel	-	-	-	-
CI-DECK cable type		TX50	TX50	-	-	-	-
OPTICAL GEAR DISPLAY	Front	-	-	-	-	-	-
	Rear	7-speed	6-speed	-	-	-	-
Clamp band diameter (mm)	22.2	-	-	-	-	-	-
	25	-	-	-	-	-	-
	22.2/25.0	-	-	-	-	X	-
CI-DECK upper cover	Color	Painted	Painted	Painted	-	-	-
CI-DECK body	Color	-	-	-	-	-	-
Clamp band	Color	-	-	-	-	-	-
Note		Use with SM-CI300	Use with SM-CI300	Accessory cover, Use with SM-CI300	Analog compass use with SM-CI300	Bracket for ID-TX51/ ID-CI300/ID-CI400/ SC-CI300	Cowling Use with SM-CI300

Shifting Lever

Series		DEORE XT	DEORE XT	DEORE LX	DEORE LX	DEORE	DEORE	DEORE	DEORE
Model no.		SL-T8000-R	SL-T8000-L	SL-T670-R	SL-T670-L	SL-T6000-R	SL-T6000-L	SL-T610-R	SL-T610-L
Color	1	Series color	Series color	Black	Black	Series black	Series black	Black	Black
	2	-	-	Silver	Silver	Series silver	Series silver	Silver	Silver
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	3	-	3	-	2/3	-	3
Rear speeds		10	-	10	-	10	-	10	-
Compatible rear derailleur type		MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-	MTB 10-speed RD	-
I-SPEC B-type compatible		-	-			-	-		
I-SPEC II compatible		-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-
Shifting lever rotation adjust		-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X
2/3 mode converter		-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		4	-	3	-	3	-	3	-
Release function	MULTI RELEASE	X	-	-	-	-	-	-	-
	INSTANT RELEASE	X	X	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X	X
	with (removable)	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-
Multi-Bearing construction		2	2	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (pc)		126 g	120 g	260 g/pair	260 g/pair	-	-	-	-
Note									

Brake Lever (Hydraulic Disc Brake)

Series		DEORE XT	DEORE LX	DEORE	SHIMANO
Model no.		BL-T8000	BL-T675-B	BL-T6000	BL-T445
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (Finger)		3	3	3	3
Color	1	Series color	Black	Series black	Black
	2	-	Silver	Series silver	Silver
	3	-	-	Black (SHIMANO logo)*	White
Brake hose (Kit)		SM-BH90-SBM	SM-BH90-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black
	2	-	-	-	White
J-Kit spec (for OEM)		X	X	X	X
Recommended brake caliper		BR-M8000	BR-T675	BR-M6000	BR-M446
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X
Reach adjust	Toolless	X	X	-	-
	Tool	-	-	X	X
Free stroke adjust		-	-	-	-
SERVOWAVE mechanism		-	-	-	-
Clamp band	Open clamp	X	X	X	-
	I-SPEC II	X	-	X	-
	I-SPEC	-	X*	-	-
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/lockring, w/o adapter, w/2bolts, w/Resin pad)		108 g**	126 g**	-	-
Note		** single item weight	*I-SPEC B-type ** single item weight	J-Kit spec available * T6000 kit only	

Brake Lever

Series		DEORE XT	DEORE LX	DEORE	DEORE	SHIMANO	SHIMANO
Model no.		BL-T780-B	BL-T670-B	BL-T610	BL-T611	BL-T4000	BL-T4010
Color	1	Black	Black	Black	Black	Black	Black
	2	Silver	Silver	Silver	Silver	Silver	Silver
	3	-	-	-	-	-	-
Compatible brake type	V-BRAKE	X*	X*	X	X*	X	X*
	Mechanical disc brake (MTB)	X*	X*	X	X*	X	X*
	Mechanical disc brake (Road)	-	-	-	-	-	-
	Caliper (NEW SUPER SLR)	-	-	-	-	-	-
	Caliper (super SLR)	-	-	-	-	-	-
	Cantilever brake	-	-	-	-	-	-
	Roller brake	-	-	-	-	-	-
Recommended POWER MODULATOR	V-BRAKE	SM-PM70	SM-PM70	-	SM-PM70	-	SM-PM40
	Mechanical disc brake (MTB)	SM-PM50	SM-PM50	-	SM-PM50	-	SM-PM50
Clamp band	Open clamp band	X	X	X	X	-	-
	I-SPEC	X**	X**	X**	X**	-	-
	Diameter (mm)	22.2	22.2	22.2	22.2	22.2	22.2
Internal bumper stop		X	X	X	X	X	X
Lever size (Finger)		3	3	2	3	2	3
Brake cable type		T-type	T-type	T-type	T-type	T-type	T-type
Power adjuster		-	-	-	-	-	-
SERVOWAVE		-	-	-	-	-	-
Reach adjust		X	X	X	X	X	X
Cable adjust		X	X	X	X	X	X
Cable adjust type		One Hand	Two hand	Two hand	Two hand	Two hand	Two hand
Stainless clamp bolt		X	X	X	X	X	X
Average weight (pair)		196.6 g	211.2 g	-	-	-	-
Note		For Trekking * POWER MODULATOR must be used for front brake **I-SPEC B-type	For Trekking * POWER MODULATOR must be used for front brake **I-SPEC B-type	For Cross bike, **I-SPEC B-type	For Trekking * POWER MODULATOR must be used for front brake **I-SPEC B-type		* POWER MODULATOR must be used for front brake

Shifting/Brake Lever

Series			ALIVIO	ALIVIO	ACERA	ACERA
Model no.			ST-T4000-R	ST-T4000-L	ST-T3000-R	ST-T3000-L
Color	1		Black	Black	Series color	Series color
	2		Silver	Silver	-	-
Shifting lever	Shifter type		TAP FIRE Plus	TAP FIRE Plus	TAP FIRE Plus	TAP FIRE Plus
	Front speeds		-	3	-	3
	Rear speeds		9	-	9	-
	Compatible RD Type		MTB 9-speed RD	-	MTB 9-speed RD	-
	SL position adjust		-	-	-	-
	SL cable adjust		X	X	X	X
	2/3 mode converter		-	-	-	-
	Max. multiple shifts (Main lever/rear)		3	-	3	-
	Release function	MULTI RELEASE	-	-	-	-
		INSTANT RELEASE	-	-	-	-
		2WAY-RELEASE	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X
		With (removable)	-	-	-	-
		Without	-	-	-	-
	Multi-Bearing construction		-	-	-	-
	Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40
Brake lever	Compatible brake type	V-BRAKE	X*	X*	X*	X*
		Mechanical disc brake (MTB)	X*	X*	X*	X*
		Mechanical disc brake (Road)	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-
		Caliper (super SLR)	-	-	-	-
		Cantilever brake	-	-	-	-
		Roller brake	-	-	-	-
	Recommended POWER MODULATOR	V-BRAKE	SM-PM40	SM-PM40	SM-PM40	SM-PM40
		Mechanical disc brake (MTB)	SM-PM50	SM-PM50	SM-PM50	SM-PM50
	Clamp band	Open clamp band	-	-	-	-
	Internal bumper stop		X	X	X	X
	Lever size (Finger)		3	3	3	3
	Brake cable type		T-type	T-type	T-type	T-type
	Power adjuster		-	-	-	-
	SERVOWAVE		-	-	-	-
	Reach adjust		X	X	X	X
	Cable adjust		X	X	X	X
	Cable adjust type		Two hand	Two hand	Two hand	Two hand
Average weight			-	-	-	-
Note			* POWER MODULATOR must be used for front brake	* POWER MODULATOR must be used for front brake	* POWER MODULATOR must be used for front brake **Stainless steel option available	* POWER MODULATOR must be used for front brake **Stainless steel option available

Rear Derailleur

Series		DEORE XT	DEORE LX	DEORE	ALIVIO	ACERA
Model no.		RD-T8000-SGS	RD-T670-A-SGS	RD-T6000-SGS	RD-T4000	RD-T3000
Pulley cage		SGS	SGS	SGS	SGS	SGS
Color	1	Series color	Silver	Series black	Black	Black
	2	-	Black	Series silver	Silver	Silver
Rear speeds		10	10	10	9	9
Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Top-Normal spring type	SHIMANO SHADOW RD	X	-	X	-	-
	SHIMANO SHADOW RD+	-	-	-	-	-
	Double servo	-	X	-	X	X
Mount	Direct attachment (Conventional)	X	X	X	X	X
	Direct mount compatible	X*	-	X*	-	-
	Riveted adapter (Road type)	-	-	-	-	-
	Riveted adapter (BMX-Track type)	-	-	-	-	-
Mode converter		-	-	-	-	-
Cable adjuster		-	-	-	X	X
Max. front difference		22T	22T	22T	22T	22T
Total capacity		47T	45T	47T	45T	45T
Low sprocket	Max.	36T	34T	36T	34T	34T
	Min.	32T	28T	32T	28T	28T
Top sprocket	Max.	11T	12T	11T	11T	11T
	Min.	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	2	3	2	1
Pulley	G pulley bearing	Sealed Bearing	-	-	-	-
	T pulley bearing	Sealed Bearing	-	-	-	-
	Teeth	11T	11T	11T	11T	11T
	Sunken type pulley bolt	X	X	X	X	X
B-Axle	Hollow axle	X	-	X	-	-
B-Axle 2	Hollow axle	X	-	X	-	-
Average weight (pc)		253 g	275 g	-	-	-
Note		*Possible to attach to Direct Mount in case bracket is removed.		*Possible to attach to Direct Mount in case bracket is removed.		

Front Derailleur

Series			DEORE XT	DEORE XT	DEORE XT	DEORE LX	DEORE LX	DEORE LX	DEORE
Model no.			FD-T8000-H-3	FD-T8000-L-3	FD-T8000-L-6	FD-T670-3	FD-T670-6	FD-T671-3	FD-T6000-H3
Color	1		Series color	Series color	Series color	Black	Black	Black	Series black
	2		-	-	-	Silver	Silver	Silver	Series silver
Speeds	Front		3	3	3	3	3	3	3
	Rear		10	10	10	10	10	10	10
Compatible chain			HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Action	TOP SWING		-	X	X	X	X	-	-
	Down Swing		X	-	-	-	-	X	X
	SIDE SWING		-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X* (w/ S size adapter)	X* (w/ S size adapter)	X* (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)
		34.9 mm	X	X	X	X	X	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-
	Direct Mount		-	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	X	X	X	X
	Top-Pull exclusive		-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	-	-	-
Chain line (mm)			50	50	50	50	50	50	50
Chain stay angle			63 - 66	63 - 66	66 - 69	63 - 66	66 - 69	63 - 66	63 - 66
Top gear teeth			48T	48T	48T	44/48T	44/48T	44/48T	44/48T
Total capacity			22T	22T	22T	22T	22T	22T	22T
Applicable Top-Mid tooth difference			12T	12T	12T	12T	12T	12T	12T
Multi access cable fixing bolt			-	-	-	-	-	-	-
Angled stroke adjust bolt			-	-	-	-	-	-	-
Angled clamp band design			X	X	X	X	X	X	-
Link bushings			8	2	2	2	2	8	8
Average weight (pc) (Band type: L size, direct type w/ bolt)			169 g	155 g	155 g	157 g	157 g	172 g	-
Note			*S-size adapter is available only OTC package	*S-size adapter is available only OTC package	*S-size adapter is available only OTC package				

Series			DEORE	DEORE	ALIVIO	ALIVIO	ALIVIO	ACERA	ACERA
Model no.			FD-T6000-L3	FD-T6000-L6	FD-T4000-TS3	FD-T4000-TS6	FD-T4000-DS3	FD-T3000-TS3	FD-T3000-TS6
Color	1		Series black	Series black	Series color	Series color	Series color	Series color	Series color
	2		Series silver	Series silver	-	-	-	-	-
Speeds	Front		3	3	3	3	3	3	3
	Rear		10	10	9	9	9	9	9
Compatible chain			HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Action	TOP SWING		X	X	X	X	-	X	X
	Down Swing		-	-	-	-	X	-	-
	SIDE SWING		-	-	-	-	-	-	-
Mount	Clamp Band	28.6 mm	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)
		31.8 mm	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)
		34.9 mm	X	X	X	X	X	X	X
	E-type	With BB Plate	-	-	-	-	-	-	-
		Without BB Plate	-	-	-	-	-	-	-
	Direct Mount		-	-	-	-	-	-	-
Cable route type	Dual-Pull		X	X	X	X	X	X	X
	Top-Pull exclusive		-	-	-	-	-	-	-
	Down-Pull exclusive		-	-	-	-	-	-	-
	Front-Pull		-	-	-	-	-	-	-
Chain line (mm)			50	50	50	50	50	50	50
Chain stay angle			63 - 66	66 - 69	63 - 66	66 - 69	63 - 66	63 - 66	66 - 69
Top gear teeth			44/48T	44/48T	44/48T	44/48T	44/48T	44/48T	44/48T
Total capacity			22T	22T	22T	22T	22T	22T	22T
Applicable Top-Mid tooth difference			12T	12T	12T	12T	12T	12T	12T
Multi access cable fixing bolt			X	X	-	-	-	-	-
Angled stroke adjust bolt			-	-	-	-	-	-	-
Angled clamp band design			-	-	X	X	X	X	X
Link bushings			2	2	-	-	2	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			-	-	-	-	-	-	-
Note									

Brake (Hydraulic Disc Brake)

Series		DEORE LX
Model no.		BR-T675
Color	1	Black
	2	Silver
	3	-
Brake type		Hydraulic disc brake
Brake hose (kit)		SM-BH90-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
J-Kit spec (for OEM)		X
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	B01S Resin
	Standard 2	-
	Option 1	-
	Option 2	-
Recommended brake lever		BL-T675
Recommended brake rotor		SM-RT54 SM-RT66
Oil		SHIMANO Mineral
ONE WAY BLEEDING		X
Mount type (available for IS mount with mount adapter)		Post-type
Piston		2
Caliper	MONO-BODY	-
Caliper fixing bolt	Tool size	5 mm
	Anti loosen method	Snap ring
Pad mount		Split pin
Average weight (kit for front 800 mm, w/160 mm recommend RT, w/lockring, w/o adapter, w/2bolts, w/Resin pad)		134 g**
Note		** single item weight

Brake (V-BRAKE)

Series		DEORE XT	DEORE LX	DEORE	SHIMANO	SHIMANO
Model no.		BR-T780	BR-T670	BR-T610	BR-T4010	BR-T4000
Color	1	Black	Black	Black	Black	Black
	2	Silver	Silver	Silver	Silver	Silver
	3	-	-	-	-	-
Brake type		V-BRAKE	V-BRAKE	V-BRAKE	V-BRAKE	V-BRAKE
Brake shoe	Standard 1	S70C	S70C	S70C	S70C	S65T
	Standard 2	M70CT4	M70CT4	M70CT4	-	-
	Option 1	-	M70T3	S70T	M70R2	M65T4
	Option 2	-	-	-	-	M65T3
Cartridge shoe holder		X	X	X	X (alloy)	-
Arch size (mm)		103	107	107	107	107
Spacer type	X type	X	X	X	X	X
	Y type	X	X	X	X	X
Compatible lead pipe angle (deg.)		45/90/135	45/90/135	45/90/135	45/90/135	45/90/135
Sleeve & Bushing axle		X	X	X	X	X
V-arm/Caliper	Lightweight link	X	X	-	-	-
Fixing bolt length (mm)	16	X	X	X	X	X
	25	X	X	X	X	X
Fixing bolt	Chamfered bolt	X	X	X	-	-
POWER MODULATOR		X (OPTION SM-PM70)	X (OPTION SM-PM70)	SM-PM70	SM-PM40	SM-PM40
Linear spring		X	X	X	X	X
Stainless cable fixing bolt		X	-	-	-	-
Average weight		174 g	176 g	-	-	-
Note						

Crankset

Series		DEORE XT	DEORE LX	DEORE	SHIMANO	SHIMANO	ALIVIO	SHIMANO	SHIMANO
Model no.		FC-T8000	FC-T671	FC-T6010	FC-T551	FC-T521	FC-T4060	FC-T4010	FC-T3010
Color	1	Series color	Black	Series black	Black	Black	Black	Black	Black
	2	-	Silver	Series silver	Silver	Silver	Silver	Silver	Silver
Rear speeds		10	10	10	10	10	9	9	9
Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG for 9-speed	HG for 9-speed	HG for 9-speed
Chain line (mm)		50	50	50	50	50	50	50	50
P.C.D. (mm)		104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64
Gear arms		4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
Chain ring combination		48-36-26T	48-36-26T 44-32-24T	48-36-26T	48-36-26T 44-32-24T	48-36-26T 44-32-24T	48-36-26T 44-32-22T	48-36-26T 44-32-22T	48-36-26T 44-32-22T
Q-factor (mm)		176	181.7	181.5	181.1	185.8	181.7	187.8	187.3
Crank arm length (mm)	165.0	-	-	-	-	-	X	X	X
	167.5	-	-	-	-	-	-	-	-
	170.0	X	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-	-
	175.0	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-
	180.0	-	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-	-
	With chain guard	X	X	X	X	X	X	X	X
	Without chain/bash guard	-	X	-	X	X	X	X	X
Crank arm fixing bolt	With	-	-	-	-	X	-	X	X
	Without	X	X	X	X	-	X	-	-
HOLLOWTECH II		X	X	X	-	-	-	-	-
2-PIECE CRANKSET		-	-	-	X	-	X	-	-
HOLLOWTECH crank arm		-	-	-	-	X	-	-	-
OCTALINK		-	-	-	-	X	-	X	-
HOLLOWGLIDE		-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	-	X	-	-
	OCTALINK	-	-	-	-	X	-	X	-
	Square	-	-	-	-	-	-	-	X
Recommended BB	Threaded (normal)	BB-MT800	SM-BB70	SM-BB52	SM-BB52	BB-ES300	SM-BB52	BB-ES300	BB-UN26
	Threaded (E-type)	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	SM-BB70	SM-BB52	SM-BB52	BB-ES300-AK	SM-BB52	BB-ES300-AK	BB-UN26-K
	Pressfit	BB-MT800-PA	-	BB-MT500-PA	-	-	-	-	-
Axle length of BB-UN/ ES (mm)	Threaded (normal)	-	-	-	-	121-AK	-	126	LL123
	Threaded (E-type)	-	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	121-AK	-	126-K	LL123-K
Threaded BB shell width	68 mm	X	X	X	X	X	X	X	X
	73 mm	X	X	X	X	X	X	X	X
	83 mm	-	-	-	-	-	-	-	-
Chain case compatible		-	X	X	X	X	X	X	X
Stainless chain guard fixing bolt		-	-	X	X	X	X	X	- (48-36-26T) X (44-32-22T)
Crank fixing bolt included		-	-	X	-	X	X	X	X
Average weight (175 mm, w/o BB)		868 g (48-36-26T)	992 g (48-36-26T) 958 g (44-32-24T)	-	-	-	-	-	-
Note			4 arm integrated crank arm W/O CG spec available						

Front Hub (Rim/Disc Brake)

Series			DEORE XT	DEORE LX	DEORE LX	DEORE	SHIMANO	SHIMANO
Model no.			HB-T780	HB-T670	HB-T675	HB-T610	HB-T4000	HB-T3000
Color	1		Black	Black	Black	Black	Black	Black
	2		Silver	Silver	Silver	Silver	Silver	Silver
Brake Type			Rim brake	Rim brake	CENTER LOCK disc brake	Rim brake	Rim brake	Rim brake
O.L.D. (mm)			100	100	100	100	100	100
Spoke hole	28H		-	-	-	-	-	-
	32H		X	X	X	X	X	X
	36H		X	X	X	X	X	X
External serration rotor lock ring	with		-	-	-	-	-	-
	without		-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-
Axle	Fixing method		QR	QR	QR	QR	QR	QR
	QR skewer length (mm)	129	-	-	-	-	-	-
		133	X	X	X	X	X	X
	Thru Axle Length x Inner Diameter (mm)	100 x 15	-	-	-	-	-	-
		110 x 15	-	-	-	-	-	-
		110 x 20	-	-	-	-	-	-
Flange distance (mm)			71.6	71.6	60.2	71.6	71.6	71.6
Offset (mm)			0	0	5.3	0	0	0
P.C.D. Left/Right (mm)			40	38	44	40/40	38/38	38/38
Flange diameter (mm)			50.4	48.4	52.8/51.4 (L/R)	48.4	48.4	48.4
Seal			Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Contact
Internal grease sleeve			X	X	-	-	-	-
Bearing	Stainless ball		-	-	-	-	-	-
	Cup		-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	-	-
QR lever	Color		Black	Black (Black) Silver (Silver)	Black (Black) Silver (Silver)	Black	Black	Black
Average weight			153 g	161 g	192 g	-	-	-
Note								

FREEHUB (Rim/Disc Brake)

Series			DEORE XT	DEORE LX	DEORE LX	DEORE	SHIMANO	SHIMANO
Model no.			FH-T780	FH-T670	FH-T675	FH-T610	FH-T4000	FH-T3000
Color	1		Black	Black	Black	Black	Black	Black
	2		Silver	Silver	Silver	Silver	Silver	Silver
Brake Type			Rim	Rim	CENTER LOCK disc brake	Rim	Rim	Rim brake
Speeds			8-10 speed	8-10 speed	8-10 speed	8-10 speed	8/9 speed	8/9 speed
O.L.D. (mm)			135	135	135	135	135	135
Spoke hole	28H		-	-	-	-	-	-
	32H		X	X	X	X	X	X
	36H		X	X	X	X	X	X
External serration rotor lock ring	with		-	-	-	-	-	-
	without		-	-	-	-	-	-
Internal serration disc brake rotor lock ring	with		-	-	-	-	-	-
	without		-	-	-	-	-	-
CENTER LOCK mount cover option			-	-	-	-	-	-
Axle	Fixing method		QR	QR	QR	QR	QR	QR
	QR skewer length (mm)	166	-	-	-	-	-	X
		168	X	X	X	X	X	-
		170	-	-	-	-	-	X
		173	X	X	X	X	X	-
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-	-	-
		135 x 12	-	-	-	-	-	-
		142 x 12	-	-	-	-	-	-
		148 x 12	-	-	-	-	-	-
		150 x 12	-	-	-	-	-	-
Flange distance (mm)			57.4	59.2	57.4	59.2	59.2	59.2
Offset (mm)			6.6	7.6	6.6	7.8	7.6	7.5
P.C.D. Left/Right (mm)			44/45	45	44/45	44/45	45/45	45/45
Flange diameter Left/Right (mm)			52.8/53.8	53.8	52.8/53.8	53.8	53.8	53.8
Quick engagement			X (36points/360°)	-	-	-	-	-
Seal	Hub		Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Contact
	FREEHUB body		Contact	Contact	Contact	Contact	Contact	-
Internal grease sleeve			X	X	X	X	X	-
Bearing	Stainless ball		-	-	-	-	-	-
	Cup		-	-	-	-	-	-
	Cone		CBN	CBN	CBN	CBN	CBN	-
QR lever	Color		Black	Black (Black) Sliver (Silver)	Black (Black) Sliver (Silver)	Black	Black	Black
Average weight* *w/o axle, QR nor lockring			338 g	365 g	369 g	-	-	-
Note								

Shifting/Brake Lever (Hydraulic Disc Brake)

Series			METREA	METREA
Model no.			ST-U5060-R	ST-U5060-L
Color	1		Series color	Series color
	2		-	-
Bracket cover color	1		Black	Black
	2			
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever	Front speeds		-	2
	Rear speeds		11	-
	2/3 mode converter		-	-
	Max. multiple shifts (Main lever/rear)		2	-
	Compatible rear derailleur type		Road 11-speed RD	-
	Compatible front derailleur type		-	FD-6800/5800
	I-SPEC compatible		-	-
	Shifting lever position adjust		-	-
	Release function	MULTI RELEASE	-	-
		INSTANT RELEASE	-	-
		2WAY-RELEASE	-	-
	OPTICAL GEAR DISPLAY	With	-	-
		With (removable)	-	-
		Without	X	X
	Multi-Bearing construction		-	-
	Shifting lever outer casing		SP41	SP41
	Shifting lever cable	Polymer-coated cable	-	-
		OPTISLICK	X	X
		SIL-TEC	-	-
		Stainless	-	-
		Steel	-	-
		Included	-	-
		Pre assembled	X	X
Brake lever	Lever size (Finger)		-	-
	Brake hose (Kit)		SM-BH59-JK-SS	SM-BH59-JK-SS
	Hose joint		Straight	Straight
	Brake hose color (kit)	1	Black	Black
		2	-	-
	Recommended brake caliper		BR-U5000	BR-U5000
	Brake fluid	SHIMANO Mineral Oil	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Tool less	-	-
		Tool	X	X
	Funnel bleeding		X	X
	Free stroke adjust		-	-
	SERVOWAVE		-	-
Clamp band	Open clamp		-	-
	I-SPEC		-	-
	Diameter (mm)		29.8 - 30.2	29.8 - 30.2
Shifter lever body	Main		Aluminum	Aluminum
	Release		Steel & Resin	Steel & Resin
Clamp band			X	X
Average weight			743 g/pair	743 g/pair
Note			Need 10 mm spanner to fix the clamp bolt	Need 10 mm spanner to fix the clamp bolt

Brake (Hydraulic Disc Brake)

Series		METREA
Model no.		BR-U5000
Brake type		Hydraulic disc brake
Color	1	Series color
	2	-
	3	-
Brake hose (kit)		SM-BH59-JK-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
ICE TECHNOLOGIES pad compatible caliper		-
Brake Pad	Standard 1	K02S-R
	Standard 2	-
	Option 1	K04S-R
	Option 2	-
Fixing bolt spec for rear mount	10 mm mount	X
	15 mm mount	X
	20 mm mount	X
	25 mm mount	X
	30 mm mount	X
	35 mm mount	X
Recommended brake lever		ST-U5060 BL-U5010 BL-U5000
Recommended brake rotor		SM-RT500-SS
Oil		SHIMANO Mineral
ONE WAY BLEEDING		X
Mount type (available for IS mount with mount adapter)		Flat mount
Piston		2
Caliper	MONO-BODY	-
Caliper fixing bolt	Tool size	4 mm
	Anti loosen method	Spring washer
Pad mount		Pad axle
Average weight		161 g/pc
Note		

Brake Lever (Hydraulic Disc Brake)

Series		METREA	METREA	METREA
Model no.		BL-U5010-L	BL-U5000-R	BL-U5000-L
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (Finger)		-	2.5	2.5
Color	1	Series color	Series color	Series color
	2	-	-	-
	3	-	-	-
Brake hose (Kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black
	2	-	-	-
Recommended brake caliper		BR-U5000	BR-U5000	BR-U5000
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X
Reach adjust	Toolless	-	-	-
	Tool	X	X	X
Free stroke adjust		-	-	-
SERVOWAVE		-	-	-
Clamp band	Open clamp	-	X	X
	I-SPEC	-	-	-
Average weight		333 g/pc	133 g/pc	133 g/pc
Note		Use with ST-U5060-R Need 10 mm spanner to fix the clamp bolt		

Shifting Lever

Series		METREA	METREA
Model no.		SL-U5000-R	SL-U5000-L
Color	1	Series color	Series color
	2	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2
Rear speeds		11	-
Compatible rear derailleur type		Road 11-speed RD	-
Compatible front derailleur type		-	FD-U5000-F FD-6800 FD-5800
Shifting lever position adjust		-	-
Shifting lever cable adjust		X	X
Max. multiple shifts (Main lever/rear)		4	-
Release function	MULTI RELEASE	X**	X
	INSTANT RELEASE	X	X
	2WAY-RELEASE	X	X
OPTICAL GEAR DISPLAY	with	-	-
	with (removable)	-	-
	without	X	X
Multi-Bearing construction		2	2
Recommended SL outer casing		OT-SP41	OT-SP41
Average weight		220 g/pair	220 g/pair
Note		*I-SPEC II **Pull:single, Push:double	*I-SPEC II

Crankset

Series		METREA	METREA
Model no.		FC-U5000-2	FC-U5000-1
Color	1	Series color	Series color
	2	-	-
Rear speeds		11	11
Compatible chain		Super Narrow HG for 11-speed	Super Narrow HG for 11-speed
Chain line (mm)		43.5	46.6
P.C.D. left/right (mm)		96	96
Gear arms (pcs)		4arms	4arms
Chain ring combination		46-32T	42T
Q-factor		158	158
Crank arm length (mm)	165	-	-
	167.5	-	-
	170	X	X
	172.5	-	-
	175	X	X
	177.5	-	-
	180	-	-
Optional chain guard	With chain guard	X	X
	Without chain guard	-	-
Crank arm fixing bolt	With	X	X
	Without	-	-
HOLLOWTECH II		-	-
2-PIECE CRANKSET		X	X
HOLLOWTECH crank arm		-	-
OCTALINK		-	-
HOLLOWGLIDE		-	-
Compatible BB type	Outboard	X	X
	OCTALINK	-	-
	Square	-	-
Recommended BB	Threaded (normal)	SM-BBR60	SM-BBR60
	Pressfit	SM-BB72-41B	SM-BB72-41B
Axle length of BB-UN/ ES (mm)	Threaded (normal)	-	-
Threaded BB shell width (mm)	68	X	X
	70	X	X
crank fixing bolt included		X	X
Average weight (170 mm, w/o BB)		1,036 g	912 g
Note		Chain guard Material: Aluminum Finish: Anodized	Chain guard Material: Aluminum Finish: Anodized

Front Derailleur

Series			METREA
Model no.			FD-U5000-F
Color	1		Series color
	2		-
Speeds	Front		2
	Rear		11
Compatible chain			Super Narrow HG for 11-speed
Action	TOP SWING		-
	Down Swing		X
Mount	Clamp Band (mm)	28.6	-
		31.8	-
		34.9	-
	Brazed-On		X
Top-Pull exclusive option			-
Chain line (mm)			43.5
Chain stay angle			63 - 66
Top gear teeth			46T
Total capacity			14T
Applicable Top-Mid tooth difference			-
Angled clamp band design			-
Multi-Bearing construction			-
Link bushings			-
Average weight (Band type: L size, Direct type: w/o bolt)			94 g
Note			

Rear Derailleur

Series		METREA
Model no.		RD-U5000-SS
Pulley cage		SS
Color	1	Series color
	2	-
Rear speeds		11
Compatible chain		HG-X11
Mount	Direct attachment (Conventional)	-
	Riveted adapter (Road type)	-
	Riveted adapter (BMX-Track type)	-
Cable adjuster		X
Max. front difference		14T
Total capacity		35T
Low sprocket	Max.	32T
	Min.	28T
Top sprocket	Max.	11T
	Min.	11T
Fluoric coated link bushings		2
Pulley	G pulley bearing	-
	T pulley bearing	-
	Teeth	11T
	Sunken type pulley bolt	X
B-axle	Hollow axle	-
B-axle 2	Hollow axle	-
Average weight		280.5 g
Note		

Wheel (Disc Brake)

Series		METREA	METREA	METREA	METREA
Model no.		WH-U5000	WH-U5000	WH-U5000	WH-U5000
SPEC		CL-F	CL-R	CL-F12	CL-R12
Color	1	Series color	Series color	Series color	Series color
	2	-	-	-	-
Front/Rear		Front	Rear	Front	Rear
Brake Type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds		-	11	-	11
O.L.D. (mm)		100	135	100	142
Wheel Size		622x17C	622x17C	622x17C	622x17C
Rim	Height (mm)	40	40	40	40
	Width (mm)	23	23	23	23
	Rim joint	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-
Spokes	Number	24	24	24	24
	Bladed	X	X	X	X
	Butted	X	X	X	X
Axle Fixing method		QR	QR	E-THRU	E-THRU
QR skewer length (mm)	129	-	-	-	-
	133	X	-	X	-
	161	-	-	-	-
	163	-	-	-	-
	166	-	-	-	-
	168	-	X	-	X
	170	-	-	-	-
	173	-	X	-	X
Axle Length (mm)		108	146	100	142
Axle Diameter (mm)		9	10	12	12
Thru Axle Length x Inner Diameter (mm)	100x8	-	-	-	-
	100x12	-	-	X	-
	100x15	-	-	-	-
	110x20	-	-	-	-
	135x10	-	-	-	-
	135x12	-	-	-	-
	142x12	-	-	-	X
	150x12	-	-	-	-
Bearing	Stainless ball	-	-	-	-
	Cup	Polish	Polish	Polish	Polish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-
	140 mm Disc brake rotor compatible	X	-	X	-
OPTBAL		-	-	-	-
D2 rim		-	-	-	-
OFFSET RIM		-	-	-	-
Digital adjustment system		-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact
Internal grease sleeve		X	X	X	X
Requires rim tape		X	X	X	X
Tire	Type	Clincher	Clincher	Clincher	Clincher
	Recommended size	25-622 - 38-622	25-622 - 38-622	25-622 - 38-622	25-622 - 38-622
Spoke	Color	Polished	Polished	Polished	Polished
Nipple	Color	Anodized	Anodized	Anodized	Anodized
QR nut	Color	Black	Black	-	-
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lock ring)		1,093 g	1,287 g	1,071 g	1,261 g
Note					

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7001-11	SG-S7001-8	SG-C6011-8R	SG-C6011-8V	SG-C6001-8R	SG-C6001-8V	SG-C6001-8C	SG-C6001-8D	SG-C6001-8CD
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-	-	-	-
Brake Type	Mount Type	CENTER LOCK disc brake	CENTER LOCK disc brake	INTER M	V-BRAKE	INTER M	V-BRAKE	Coaster Brake	CENTER LOCK disc brake	Coaster and Special disc brake mount for SM-RTC60
	Recommended Model	-	BR-S700	BR-C6000 BR-C3010 BR-C3000	-	BR-C6000 BR-C3010 BR-C3000	-	-	-	-
Speeds		11-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed
Gear ratio	Total	409%	307%	307%	307%	307%	307%	307%	307%	307%
	1	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527
	2	0.681	0.644	0.644	0.644	0.644	0.644	0.644	0.644	0.644
	3	0.770	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748
	4	0.878	0.851	0.851	0.851	0.851	0.851	0.851	0.851	0.851
	5	0.995	1	1	1	1	1	1	1	1
	6	1.134	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223
	7	1.292	1.419	1.419	1.419	1.419	1.419	1.419	1.419	1.419
	8	1.462	1.615	1.615	1.615	1.615	1.615	1.615	1.615	1.615
	9	1.667	-	-	-	-	-	-	-	-
	10	1.888	-	-	-	-	-	-	-	-
	11	2.153	-	-	-	-	-	-	-	-
Shifting structure		Top Normal	Top Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal
Silent clutch		X	X	X	X	X	X	X	X	X
Gear change support mechanism		X	X	X	X	X	X	X	X	X
Shifting POWER MODULATOR		X	X	X	X	X	X	X	X	X
Driving efficiency		High	High	High	High	Standard	Standard	Standard	Standard	Standard
w/ Left hand dust cap		-	-	-	X	-	X	-	-	-
O.L.D. (mm)		135	135	132	132	132	132	132.3	135	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X	X	X
	36H	X	X	X	X	X	X	X	X	X
	Others	-	-	40H	-	40H	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	-	-	-	-
	184	-	-	X	X	X	X	X	-	-
	187	X	X	-	-	-	-	-	X	X
	193	-	-	-	-	-	-	-	-	-
	Others	-	-	-	-	203	203	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	58.3	58.3	58.3	57.3	58.3
Flange diameter (mm)		104.3	104.3	105.2	105.2	105.2	105.2	105.2	105.2	105.2
Flange width (mm)	Right	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Left	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		3.15	3.15	2.7	2.7	2.7	2.7	2.55	3.4	2.7
P.C.D Left/Right. (mm)		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
Average weight		1,665 g	1,670 g	1,660 g	1,685 g	1,710 g	1,735 g	2,040 g	1,730 g	2,090 g
Note										

Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-C3001-7R	SG-C3001-7C	SG-C3001-7C-DX	SG-C3001-7D	SG-5R30	SG-5R30-VS	SG-5R35	SG-5R35-VS	SG-3R75-B
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	-	-	Black	Black	-
	3	-	-	-	-	-	-	-	-	-
Brake Type	Mount Type	INTER M	Coaster	Coaster	CENTER LOCK disc brake	INTER M	V-BRAKE	INTER M	V-BRAKE	INTER M
	Recommended Model	BR-C3010 BR-C3000	-	-	-	BR-C3010 BR-C3000 BR-IM31 (specification for Japan)	-	BR-C3010 BR-C3000 BR-IM31 (specification for Japan)	-	BR-C3010 BR-C3000 BR-IM31 (specification for Japan)
Speeds		7-speed	7-speed	7-speed	7-speed	5-speed	5-speed	5-speed	5-speed	3-speed
Gear ratio	Total	244%	244%	244%	244%	206%	206%	206%	206%	158%
	1	0.632	0.632	0.632	0.632	0.750	0.750	0.750	0.750	0.632
	2	0.741	0.741	0.741	0.741	1.001	1.001	1.001	1.001	0.741
	3	0.843	0.843	0.843	0.843	1.159	1.159	1.159	1.159	1.000
	4	0.989	0.989	0.989	0.989	1.335	1.335	1.335	1.335	-
	5	1.145	1.145	1.145	1.145	1.545	1.545	1.545	1.545	-
	6	1.335	1.335	1.335	1.335	-	-	-	-	-
	7	1.545	1.545	1.545	1.545	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11	-	-	-	-	-	-	-	-	-
Shifting structure		Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal	Low Normal
Silent clutch		-	-	-	-	X	X	X	X	X
Gear change support mechanism		-	-	-	-	-	-	-	-	-
Shifting POWER MODULATOR		-	-	-	-	-	-	-	-	-
Driving efficiency		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	High
w/ Left hand dust cap		-	-	-	-	-	X	-	X	-
O.L.D. (mm)		130	127	127	135	132	132	132	132	122
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#12/#13/#14
Spoke hole	28H	-	-	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X	X	-
	36H	X	X	X	X	X	X	X	X	X
	Others	-	-	-	-	-	-	-	-	-
Axle length (mm)	182	X	-	-	-	-	-	-	-	-
	184	-	-	X	-	X	X	X	X	-
	187	-	-	-	X	-	-	-	-	-
	193	-	-	-	-	-	-	-	-	X
	Others	201	175.5	175.5	-	210/215	210	-	-	174/198/200
Flange distance (mm)		54.6	56.2	56.2	54.6	54.6	54.6	54.6	54.6	51.1
Flange diameter (mm)		99.6	92.5	92.5	99.6	86	86	88.6	86	92.5
Flange width (mm)	Right	3.2	2.3	2.3	3.2	2.3	2.3	3.4	2.3	2.3
	Left	3.2	2.7	2.7	3.2	2.5	2.5	3.6	2.5	2.7
Offset (mm)		3.85	4.6	4.6	2.5	0.3	0.3	0.3	0.3	3.6
P.C.D Left/Right. (mm)		87	83.5	83.5	87	76	76	76	76	83.5
Average weight		1,495 g	1,915 g	1,915 g	1,470 g	1,305 g	1,330 g	1,230 g	1,255 g	1,315 g
Note						*Japan market only	*Japan market only	*Japan market only	*Japan market only	

Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-3R40	SG-3R42	SG-3C41	SG-3D55
Color	1	Silver	Silver	Silver	Silver
	2	-	-	-	Black
	3	-	-	-	-
Brake Type	Mount Type	INTER M	INTER M	Coaster	CENTER LOCK disc brake
	Recommended Model	BR-C3010 BR-C3000 BR-IM31 (specification for Japan)	BR-C3010 BR-C3000 BR-IM31 (specification for Japan)	-	-
Speeds		3-speed	3-speed	3-speed	3-speed
Gear ratio	Total	186%	186%	186%	186%
	1	0.733	0.733	0.733	0.733
	2	1.000	1.000	1.000	1.000
	3	1.360	1.360	1.360	1.360
	4	-	-	-	-
	5	-	-	-	-
	6	-	-	-	-
	7	-	-	-	-
	8	-	-	-	-
	9	-	-	-	-
	10	-	-	-	-
	11	-	-	-	-
Shifting structure		Low Normal	Low Normal	Low Normal	Low Normal
Silent clutch		-	-	-	X
Gear change support mechanism		X	X	X	X
Shifting POWER MODULATOR		X	X	X	X
Driving efficiency		Standard	Standard	Standard	Standard
w/ Left hand dust cap		120/127/130	-	120/127	-
O.L.D. (mm)		120.4/126.8	120	120/127.4	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	X	X	X	-
	32H	X	-	-	X
	36H	X	X	X	X
	Others	-	-	-	-
Axle length (mm)	182	X	X	-	-
	184	X	-	-	-
	187	-	-	-	-
	193	-	-	-	X
	Others	170/177/189/192	192	168/175/178	-
Flange distance (mm)		53	53	57.5	53.5
Flange diameter (mm)		84	70	67.5	77.6
Flange width (mm)	Right	2.3	3.0	2.3	3.2
	Left	2.3	3.0	2.3	3.2
Offset (mm)		0.8	0.8	1.2	1.67
P.C.D Left/Right. (mm)		74	60	59	65
Average weight		885 g	872 g	1,120 g	945 g
Note			Specification for Japan market		

Chain Tensioner

Series		ALFINE	ALFINE	ALFINE
Model no.		CT-S500	CT-S510	CT-S510
Color	1	Silver	-	-
	2	Black	-	-
	3	-	Silver&Black	Silver&Black
Speeds		Single	Single	Single
Compatible chain		CN-HG93 CN-HG71 CN-HG53	CN-HG73 CN-HG53	CN-HG71
Compatible cassette sprocket		CS-S500	CS-S500	SM-GEAR
Max. front difference		16T	-	-
Max. rear sprocket		20T	20T	23T
Min. rear sprocket		18T	18T	16T
Dropout		Vertical drop end type	Vertical drop end type	Vertical drop end type
Direct attachment		-	-	-
Structure		Double pulley	Single pulley	Single pulley
Note				

Cassette Sprocket

Series		ALFINE
Model no.		CS-S500
Chain Guard	with	X
	without	X
Gear teeth	14T	-
	16T	-
	17T	-
	18T	X (w/ and w/o guard)
	19T	-
	20T	X (w/ and w/o guard)
	21T	-
	22T	-
	23T	-
Gear thickness (mm)		2.0
Recommended chain	Super Narrow HG-X 10-speed	X
	Super Narrow HG 9-speed	X
	HG 8-speed (1/2" x 3/32")	-
	1/2" x 1/8"	-
Note		

Shifting Lever

Series		ALFINE	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SL-S700	SL-S7000-8	SL-S503	SL-7S50	SL-C6000-8	SL-C3000-7	SL-5S50	SL-5S30	SL-5S30-A
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-	-	White	White
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT
Top-Normal		X	X	-	-	-	-	-	-	-
Speeds		11	8	8	7	8	7	5	5	5
Compatible internal geared hub type		SG-S7001-11	SG-S7000-8, SG-S7001-8	SG-S501, NEXUS INTER-8	NEXUS INTER-7	NEXUS INTER-8	NEXUS INTER-7	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-5
I-SPEC compatiable		-	-		-	-	-	-	-	-
Shifting lever position adjust		-	-		-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X
Max. multiple shifts		2	1	1	1	7	6	1	4	4
Release function	MULTI RELEASE	X	-	-	-	-	-	-	-	-
	INSTANT RELEASE	X	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	-	-	-	-	-
OPTICAL GEAR DISPLAY		Above handlebar	Above handlebar	Above handlebar	Window	Window	Window	Window	Window	Window
LED Positioning Light		-	-	-	-	-	-	-	-	-
Multi-Bearing Construction		-	-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP41	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless clamp bolt		-	-	-	-	-	-	-	-	-
Brake lever integrated		-	-	-	-	-	-	-	-	-
Brake Lever Size		-	-	-	-	-	-	-	-	-
Left Hand Brake Lever		-	-	-	-	-	-	-	-	-
Clamping Diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
Note										

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SL-3S42E	SL-3S41E	SL-3S35E	SL-3S58 J	SL-3S42 J	SL-3S43 J	SL-3S90	SL-3S91J
Color	1	-	-	-	Silver	Silver	Silver	Gray	-
	2	Black	Black	Black	Black	Black	Black	Black	-
	3	-	-	-	White	-	White	-	White
Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Piano-touch	Piano-touch
Top-Normal		-	-	-	-	-	-	-	-
Speeds		3	3	3	3	3	3	3	3
Compatible internal geared hub type		NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3
I-SPEC compatiable		-	-	-	-	-	-	-	-
Shifting lever position adjust		-	-	-	-	-	-	-	-
Shifting lever cable adjust		-	-	-	-	-	-	-	-
Max. multiple shifts		2	2	2	2	2	2	2	2
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-
	2WAY-RELEASE	-	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY		Window	Window	Dial	Window	Window	Window	Dial	Dial
LED Positioning Light		-	-	-	-	-	-	-	-
Multi-Bearing Construction		-	-	-	-	-	-	-	-
Recommended shifting lever outer casing		OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	Normal	Normal	Normal
Stainless clamp bolt		-	-	-	-	-	-	-	-
Brake lever integrated		-	-	-	-	-	-	-	-
Brake Lever Size		-	-	-	-	-	-	-	-
Left Hand Brake Lever		-	-	-	-	-	-	-	-
Clamping Diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
Note					Specification for Japan market	Specification for Japan market	Specification for Japan market	Specification for Japan market	Specification for Japan market

Revo Shifter Integrated with Brake Lever

Series		NEXUS	NEXUS
Model no.		SB-C6000-8	SB-C3000-7
Color	1	Silver	Silver
	2	Black	Black
	3	-	-
Shifter type		REVOSHIFT	REVOSHIFT
Top-Normal		-	-
Speeds		8	7
Compatible internal geared hub type		NEXUS INTER-8	NEXUS INTER-7
I-SPEC compatiable		-	-
Shifting lever position adjust		-	-
Shifting lever cable adjust		X	X
Max. multiple shifts		7	6
Release function	MULTI RELEASE	-	-
	INSTANT RELEASE	-	-
	2WAY-RELEASE	-	-
OPTICAL GEAR DISPLAY		Window	Window
LED Positioning Light		-	-
Multi-Bearing Construction		-	-
Recommended shifting lever outer casing		SP41 Sealed	SP41 Sealed
Stainless clamp bolt		-	-
Brake lever integrated		X	X
Brake Lever Size		4-Finger	4-Finger
Left Hand Brake Lever		BL-C6010	BL-C6010
Clamping Diameter (mm)		22.2	22.2
Note			

Brake Lever (Hydraulic Disc Brake)

Series		ALFINE
Model no.		BL-S700-B
Brake type		Hydraulic disc brake
Lever size (Finger)		3
Color	1	Silver
	2	Black
	3	-
Brake hose (Kit)		SM-BH90-SB
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
Recommended brake caliper		BR-S700
Oil		SHIMANO Mineral
Funnel bleeding		X
Reach adjust	Toolless	X
	Tool	-
Free stroke adjust		-
SERVOWAVE		-
Clamp band	Open clamp	X
	I-SPEC	X*
Note		*I-SPEC B-type compatible

Brake Lever

Series		NEXUS
Model no.		BL-C6010
Color	1	Silver (C6000)
	2	Silver (C3000)
	3	Black
Compatible brake type	V-BRAKE	X
	Mechanical disc brake (MTB)	-
	Mechanical disc brake (Road)	-
	Caliper (NEW SUPER SLR)	-
	Caliper (super SLR)	-
	Canti brake	-
	Roller brake	X
Recommended POWER MODULATOR	V-BRAKE	SM-PM40
	Mechanical disc brake (MTB)	-
Clamp band	Open clamp band	-
	I-SPEC	-
	Diameter (mm)	22.2
Internal bumper stop		X
Lever size (Finger)		4
Brake cable type		T-type
Power adjuster		-
SERVOWAVE		-
Reach adjust		X
Cable adjust		X
Cable adjust type		Two hand
Average weight		-
Note		* Brake lever ratio is different from BL-C6000 for better performance with BR-C6000, C3000 series.

Brake (Hydraulic Disc Brake)

Series		ALFINE
Model no.		BR-S700
Brake type		Hydraulic disc brake
Color	1	Silver
	2	Black
	3	-
Brake hose (kit)		SM-BH90-SB
Hose joint		Banjo
Brake hose color (kit)	1	Black
	2	-
ICE TECHNOLOGIES pad compatible caliper		X
Pad	Standard 1	G01A Resin
	Standard 2	-
	Option 1	F01A Resin
	Option 2	-
Recommended brake lever		BL-S700-B
Recommended brake rotor		SM-RT81
Oil		SHIMANO Mineral
ONE WAY BLEEDING		X
Mount type (available for IS mount with mount adapter)		Post-type
Piston		2
Caliper	MONO-BODY	-
Caliper fixing bolt	Tool size	5 mm
	Anti loosen method	Snap ring
Pad mount		Pad axle
Note		

Brake (Roller Brake)

Series	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.	BR-C6000-F	BR-C6000-R	BR-C3010-F	BR-C3010-R	BR-C3000-F	BR-C3000-R	BR-C2050-R	BR-IM31	BR-IM31
Front	X	-	X	-	X	-	-	X	-
Rear	-	X	-	X	-	X	X	-	X
Structure type	Hyper	Hyper	Normal	Normal	Normal	Normal	Hyper	Normal	Normal
Braking power (*1)	1.5	1.2	1.2	1	1.2	1	1.2	0.9	0.9
Cooling fin diameter (mm)	150	150	140	140	122	122	150	90	90
Heat dissipation (*1)	1.4	1.4	1.2	1.2	1.0	1.0	1.4	Less than 1	Less than 1
Without cooling fin	-	-	-	-	-	-	-	-	Available
Inner cable quick release	X	X	X	X	X	X	-	-	-
Disc brake mount compatible	-	-	-	-	-	-	-	-	-
Note* Performance index rating uses BR-C3000-R brake unit as a reference value of 1. Testing condition.							Specification for Japan market	Specification for Japan market	Specification for Japan market

Crankset

Series		ALFINE	NEXUS
Model no.		FC-S501	FC-C6000
Color	1	Silver	Silver
	2	Black	Black
	3	-	-
Chain ring teeth	45T	X	-
	42T	X	-
	39T	X	-
	38T	-	X
	33T	-	X
	Others	-	-
	P.C.D. (mm)	130	-
Chain guard type	Double	X	-
	Single	-	-
	NA	-	X
Crank arm fixing bolt	with	X	X
	without	-	-
Chain line (mm)		49.2 (double chain guard) 42.7 (single chain guard)	44
Compatible chain	Super Narrow HG for 9-speed	X (CN-HG93 CN-HG53)	-
	HG 8-speed (1/2" x 3/32")	X (CN-HG71)	X (CN-HG71)
	1/2" x 1/8"	-	X (CN-NX10)
Crank Arm length (mm)		170	170
Gear arms		5	-
2-PIECE CRANKSET		X	-
OCTALINK		-	-
Compatible BB type	Outboard	X	-
	OCTALINK	-	-
	Square	-	X
Recommended BB	Threaded (normal)	-	-
	Threaded (chain case)	-	X
Axle length of BB-UN/ ES (mm)	Threaded (normal)	-	-
	Threaded (chain case)	-	BB-UN26-K
Threaded BB shell width	68 mm	X	X
Chain case compatible		-	X
Chain guard1	Diameter (mm) 45T	200	-
	Diameter (mm) 42T	190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	-	95.4
Chain guard2	Diameter (mm) 45T	200	-
	Diameter (mm) 42T	190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	-	95.4
Note			t : chain case thickness * Both of spec with bolt and spec w/o bolt are available.

Front Hub (Roller Brake)

Series		NEXAVE	NEXUS
Model no.		HB-IM70	HB-IM40
Color	1	Silver	Silver
	2	-	-
Type		For hub roller brake	For hub roller brake
Spoke holes	28H	-	-
	32H	-	-
	36H	X	X
	Others	-	-
P.C.D. (mm)		70	52
O.L.D. (mm)	100	X	X
	105	X	-
Flange distance (mm)		56.8	61.5
Offset (mm)		4.2(QR)3.7/6(NUT)	4.3
Wheel size	26-28inch	X	X
	20-28inch	-	-
	16-28inch	-	-
	24-28inch	-	-
	20-24inch	X	-
	16-20inch	-	-
	Compatible wheel size (mm)	-	-
Roller brake modulator grade	More than 26inch High	-	-
	More than 26inch Standard	X	X
	20-24inch	X	-
Axle (QR type)	QR skewer length 129 mm	X	-
	QR skewer length 133 mm	X	-
	Axle length (mm)	108 (M10)	-
Axle (Nut type)	Axle length 140 mm	X (M9)	X (M9)
	Axle length 145 mm	X (M9)	-
Seal		X	X
Quick release lever	Color	Silver	-
Structure (Braking power)		Hyper	Normal
Note			

FREEHUB (Roller Brake)

Series		NEXAVE	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-IM70	RH-IM11	RH-IM10	FH-IM20
Color		Silver	Silver	Silver	Silver
Spoke holes	28H	-	X	X	X
	32H	X	X	X	-
	36H	X	X	X	X
	Others	-	-	-	-
	P.C.D. (mm)	45	74	74	45
FREEHUB body	Speeds	8-9 speed	-	-	7-speed
	11T compatible	X	-	-	X
	Roller clutch	Roller Clutch	-	-	-
O.L.D. (mm)		135	132.7 (6-speed) 134.7 (7-speed)	132.7 (6-speed) 134.7 (7-speed)	134.7
Flange diameter (mm)		53.8	84	84	54
Flange distance (mm)		60	57.1	57.1	61.2
Dish (mm)		6.8	6.9 (6-speed) 7.9 (7-speed)	6.9 (6-speed) 7.9 (7-speed)	5.85
Axle (QR type)	QR Skewer Length	-	-	-	-
	Length (mm)	-	-	-	-
Axle (Nut Type)	Length left/right (mm)	185 (M10)	180 (M10)	180 (M10)	194/202
Seal	Hub	X	-	-	-
	Freewheel	X	-	-	-
Note			For 6/7-speed multifree wheel	For 6/7-speed multifree wheel	

FREEHUB (Band Brake)

Series		SHIMANO
Model no.		FH-S028
Color		Black
Spoke holes	28H	X
	32H	-
	36H	X
	Others	-
	P.C.D. (mm)	45
FREEHUB body	Speeds	Single speed
	11T compatible	-
	Roller clutch	-
O.L.D. (mm)		115/120
Flange diameter (mm)		55
Flange distance (mm)		51.5
Dish (mm)		1.8
Axle (QR type)	QR Skewer Length	-
	Length (mm)	-
Axle (Nut Type)	Length left/right (mm)	165/170/180/185/192
Seal	Hub	-
	Freewheel	-
Note		for band brake

Head Parts

Series		NEXUS
Model no.		HP-NX10
Color	1	Black
	2	-
A (mm)		ø30.01 (ø29.85) or ø30.2 (ø30)
B (mm)		30.5 - 31.5
Front fork stem thread Size		BC 1" X 24 T.P.I
C (mm)		Max. ø38
D (mm)		21.7
Note		

Electric Wire

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			EW-NX30	EW-NX30	EW-NX30	EW-NX30	EW-NX30	EW-NX30	EW-NX30	EW-NX30	EW-NX30
Number of branch			Converter-1	Converter-2	Converter-3	2	2	3	3	4	4
Distributor			-	-	-	X	X	X	X	X	X
Electric wire color	Black		X	X	X	X	X	X	X	X	X
	Gray		-	-	-	-	-	-	-	-	-
Length (mm)	Cord to SL/SM-R	Length	-	-	-	-	-	175	175	175	175
		EZ cable clamp	-	-	-	-	-	2	2	2	2
	Cord to SM/SM-L	Length	-	-	-	-	-	65	215	65	215
		EZ cable clamp	-	-	-	-	-	1	2	1	2
	Distributor B **	Length	-	-	-	-	-	-	-	-	-
		EZ cable clamp	-	-	-	-	-	-	-	-	-
	Distributor C *	Length	-	-	-	-	-	-	-	-	-
		EZ cable clamp	-	-	-	-	-	-	-	-	-
	Cord between distributor B/C and A	Length	-	-	-	-	-	-	-	-	-
		EZ cable clamp	-	-	-	-	-	-	-	-	-
	Distributor A ***	Length	-	-	-	-	-	-	-	-	-
		EZ cable clamp	-	-	-	-	-	-	-	-	-
	Cord to Front LP	Length	-	-	-	570	570	570	570	570	570
		EZ cable clamp	-	-	-	1	1	1	1	1	1
	Cord to Rear LP	Length	-	-	-	270	270	-	-	270	270
		EZ cable clamp	-	-	-	2	2	-	-	2	2
	Cord to Dynamo	Length	-	-	-	800	1000	800	1000	800	1000
		EZ cable clamp	-	-	-	-	-	-	-	-	-
	Cord for converter	Length	50	50	50	-	-	-	-	-	-
		EZ cable clamp	-	-	-	-	-	-	-	-	-
Usage			Converter between EWNX60 (with pin hole) connector and EWNX30 (with pin) connector	Converter between front light tab on and EWNX30 (with pin) connector	Converter between EWNX30 (with pin hole) connector and EWNX60 (with pin) connector	Auto light + LP-RTX2 combination	Auto light + LP-RTX2 combination	Auto light + SL/SMRS34 combination	Auto light + SL/SMRS34 combination	PHF combination (Auto light + SL/SMRS34 + LP-RTX2)	PHF combination (Auto light + SL/SMRS34 + LP-RTX2)
Note											

Shifting/Brake Lever

Series			DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	105	105
Model no.			ST-R9100-R	ST-R9100-L	ST-9001	ST-R8000-R	ST-R8000-L	ST-6800	ST-6700	ST-6703	ST-5800	ST-5700
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Black	Silver
	2		-	-	-	-	-	-	-	-	Silver	Black
Bracket cover color	1		Series color	Series color	2-Tone	Black	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	White	White	White	White	White
Lever type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever	Front speeds		-	2	2	-	2	2	2	3	2	2
	Rear speeds		11	-	11	11	-	11	10	-	11	10
	OPTICAL GEAR DISPLAY		-	-	-	-	-	-	-	-	-	-
	FLIGHT DECK		-	-	-	-	-	-	X	X	-	-
	Multi-Bearing construction		R:4 L:4	R:4 L:4	R:4 L:4	*	*	- *	1	1	0	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	OT-RS900	OT-RS900	OT-SP41 Sealed	OT-RS900	OT-RS900	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed
	Shifting lever cable shipping condition	Not Pre-Assembled	X	X	X	X	X	X	X	X	X	X
		Pre-Assembled	X	X	X	X	X	X	X	X	X	X
Brake lever	Reach adjust		Screw	Screw	Screw	Screw	Screw	Screw	Spacer Use	Spacer Use	Screw	Spacer Use
	Clamp band (mm)		23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2
	SLR-EV		X	X	X	X	X	X	-	-	X	-
	NEW SUPER SLR		-	-	-	-	-	-	X	X	-	X
	Super SLR		-	-	-	-	-	-	-	-	-	-
Bracket	Cable adjuster bracket		-	-	-	-	-	-	-	-	-	-
Average weight			365 g/Pair	365 g/Pair	365 g/Pair	220 g	218 g	425 g/Pair	447 g/Pair	460 g/Pair	486 g/Pair	490 g/Pair
Note						* Use bush	* Use bush	* Use bush				

Series			105	TIAGRA	TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SORA	SORA	SORA
Model no.			ST-5703	ST-4700-R	ST-4700-L	ST-4703-L	ST-4600	ST-4603	ST-R460	ST-R3000-R	ST-R3000-L	ST-R3030-L
Color	1		Silver	Series color	Series color	Series color	Series color	Series color	Black	Series color	Series color	Series color
	2		Black	-	-	-	-	-	-	-	-	-
Bracket cover color	1		Black	Black	Black	Black	Black	Black	Black	Standard	Standard	Standard
	2		White	-	-	-	-	-	-	-	-	-
Lever type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER (ST-4600 operation style)	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever	Front speeds		3	-	2	3	2	3	2	-	2	3
	Rear speeds		-	10	-	-	10	-	10	9	-	-
	OPTICAL GEAR DISPLAY		-	-	-	-	X	X	X	-	-	-
	FLIGHT DECK		-	-	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	0	0	0	-	-	-	0	0	0
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	SP41 Sealed	SP41 Sealed	SP41 Sealed
	Shifting lever cable shipping condition	Not Pre-Assembled	X	X	X	X	X	X	X	-	-	-
		Pre-Assembled	X	X	X	X	-	-	-	X	X	X
Brake lever	Reach adjust		Spacer Use	screw	screw	screw	Spacer Use	Spacer Use	Spacer Use	Screw	Screw	Screw
	Clamp band (mm)		23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2
	SLR-EV		-	X	X	X	-	-	-	-	-	-
	NEW SUPER SLR		X	-	-	-	X	X	X	X	X	X
	Super SLR		-	-	-	-	-	-	-	-	-	-
Bracket	Cable adjuster bracket		-	-	-	-	X	X	-	-	-	-
Average weight			507 g/Pair	-	-	-	-	-	-	-	-	-
Note							Integrated Cable Adjuster available	Integrated Cable Adjuster available	SHIMANO logo Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE			

Shifting/Brake Lever

Series			SORA	SORA	SHIMANO	CLARIS	CLARIS	CLARIS	CLARIS	CLARIS	CLARIS	TOURNEY
Model no.			ST-3500	ST-3503	ST-R353	ST-R2000-R	ST-R2000-L	ST-R2030-L	ST-2400-R	ST-2400-L	ST-2403-L	ST-A070
Color	1		Series color	Series color	Black	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-	-	-
Bracket cover color	1		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	-	-	-	-	-
Lever type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER (ST-3500 operation style)	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever	Front speeds		2	3	3	-	2	3	-	2	3	2
	Rear speeds		9	-	-	8	-	-	8	-	-	7
	OPTICAL GEAR DISPLAY		X	X	X	-	-	-	X	X	X	X
	FLIGHT DECK		-	-	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40
		Rear derailleur side	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SIS40
	Shifting lever cable shipping condition	Not Pre-Assembled	X	X	X	-	-	-	X	X	X	X
		Pre-Assembled	-	-	-	X	X	X	-	-	-	-
Brake lever	Reach adjust		Spacer Use	Spacer Use	Spacer Use	Screw	Screw	Screw	Spacer Use	Spacer Use	Spacer Use	Screw
	Clamp band (mm)		23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2
	SLR-EV		-	-	-	-	-	-	-	-	-	-
	NEW SUPER SLR		X	X	X	X	X	X	X	X	X	-
	Super SLR		-	-	-	-	-	-	-	-	-	X
Bracket	Cable adjuster bracket		X	X	-	-	-	-	-	-	-	-
Average weight			-	-	-	-	-	-	-	-	-	-
Note			Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE Integrated Cable Adjuster available	Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE Integrated Cable Adjuster available	SHIMANO logo Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE				Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE	Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE	Compatible with Caliper/ Canti /Road disc brake Not compatible with V-BRAKE/ Compact V-BRAKE	

Series			TOURNEY	CLARIS	CLARIS	CLARIS	CLARIS	CLARIS	CLARIS
Model no.			ST-A073-L	ST-RS200-R	ST-RS200-L	ST-RS203-L	ST-R240-R	ST-R240-L	ST-R243-L
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
Bracket cover color	1		Black	-	-	-	-	-	-
	2		-	-	-	-	-	-	-
Lever type			DUAL CONTROL LEVER	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Shifting lever	Front speeds		3	-	2	3	-	2	3
	Rear speeds		-	8	-	-	8	-	-
	OPTICAL GEAR DISPLAY		X	X	X	X	-	-	-
	FLIGHT DECK		-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-
	Outer casing	Lever side	OT-SIS40	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	OT-SIS40	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed
	Shifting lever cable shipping condition	Not Pre-Assembled	X	-	-	-	-	-	-
		Pre-Assembled	-	X	X	X	X	X	X
Brake lever	Reach adjust		Screw	X	X	X	X	X	X
	Clamp band (mm)		23.8 - 24.2	22.2	22.2	22.2	22.2	22.2	22.2
	SLR-EV		-	-	-	-	-	-	-
	NEW SUPER SLR		-	-	-	-	-	-	-
	Super SLR		X	X	X	X	X	X	X
Bracket	Cable adjuster bracket		-	X	X	X	X	X	X
Average weight			-	-	-	-	-	-	-
Note									

Shifting/Brake Lever (Hydraulic Disc Brake)

Series			DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.			ST-R9120-R	ST-R9120-L	ST-R8020-R	ST-R8020-L	ST-RS685-R	ST-RS685-L	ST-RS505-R	ST-RS505-L	ST-RS405-R	ST-RS405-L
Color	1		Standard	Standard	Standard	Standard	Series color	Series color	Series color	Series color	Dark Gray	Dark Gray
	2		-	-	-	-	-	-	-	-	-	-
Bracket cover color	1		Standard	Standard	Standard	Standard	Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	-	-	-	-	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever	Front speeds		-	2	-	2	-	2	-	2	-	2
	Rear speeds		11	-	11	-	11	-	11	-	10	10
	2/3 mode converter		-	-	-	-	-	-	-	-	-	-
	Max. multiple shifts (Main lever/rear)		2	-	2	-	2	-	2	-	2	-
	Compatible rear derailleur type		ROAD 11-speed RD	-	ROAD 11-speed RD	-	ROAD 11-speed RD	-	ROAD 11-speed RD	-	ROAD 10-speed RD	-
	I-SPEC compatible		-	-	-	-	-	-	-	-	-	-
	Shifting lever position adjust		-	-	-	-	-	-	-	-	-	-
	Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-	-	-	-	-	-
		2WAY-RELEASE	-	-	-	-	-	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-	-	-	-
		With (removable)	-	-	-	-	-	-	-	-	-	-
		Without	-	-	-	-	-	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-	-	-	-	-	-
	Shifting lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Shifting lever cable	Polymer-coated cable	X	X	X	X	X	X	-	-	-	-
		OPTISLICK	-	-	-	-	-	-	X	X	X	X
		SIL-TEC	-	-	-	-	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-	-	-	-	-
		Steel	-	-	-	-	-	-	-	-	-	-
		Included	X	X	X	X	X	X	X	X	X	X
		Pre assembled	X	X	X	X	X	X	X	X	X	X
Brake lever	Lever size (Finger)		-	-	-	-	-	-	-	-	-	-
	Brake hose (Kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS	SM-BH59-J-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	White	White	-	-	-	-
	Recommended brake caliper		BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-RS785	BR-RS785	BR-RS505	BR-RS505	BR-RS405	BR-RS405
	Brake fluid	SHIMANO Mineral Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Tool less	-	-	-	-	-	-	-	-	-	-
		Tool	X	X	X	X	X	X	X	X	X	X
	Funnel bleeding		X	X	X	X	X	X	X	X	X	X
	Free stroke adjust		X	X	X	X	X	X	X	X	-	-
	SERVOWAVE		X	X	X	X	X	X	X	X	-	-
Clamp band	Open clamp		-	-	-	-	-	-	-	-	-	-
	I-SPEC		-	-	-	-	-	-	-	-	-	-
	Diameter (mm)		23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2	23.8 - 24.2
Shifter lever body	Main		-	-	-	-	-	-	-	-	-	-
	Release		Resin & Steel	Resin & Steel	Resin & Steel	Resin & Steel	Resin & Steel	Resin & Steel	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin
Clamp band			Titanium	Titanium	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Average weight			505 g/pair	505 g/pair	550 g/pair	550 g/pair	649 g/pair	649 g/pair	665.3 g/pair	665.3 g/pair	-	-
Note												

Shifting Lever

Series			DURA-ACE	DURA-ACE	DURA-ACE	SHIMANO	SHIMANO	DURA-ACE	DURA-ACE	SHIMANO	ULTEGRA
Model no.			SL-BSR1	SL-7900	SL-BS79	SL-R780	SL-R783-L	SL-7700	SL-BS77	SL-RS700	SL-BS64-8
Color	1		Series color	Series color	Series color	Silver	Silver	Series color	Series color	Silver	Series color
	2		-	-	-	Black	Black	-	-	Black	-
Shifter type			Bar end Shifter	Down Tube Shifter	Bar end Shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down Tube Shifter	Bar end Shifter	RAPIDFIRE PLUS	Bar end Shifter
Front speeds			2	2/3	2/3	2	3	2/3	2/3	2	2/3
Rear speeds			11	10	10	10	-	9	9	11	8
Compatible rear derailleur type			ROAD 11-speed RD	ROAD 10-speed RD	ROAD 10-speed RD	ROAD 10-speed RD	-	ROAD 9-speed RD	ROAD 9-speed RD	ROAD 11-speed RD	ROAD 8-speed RD
Shifting lever position adjust			-	-	-	-	-	-	-	-	-
Shifting lever cable adjust			-	-	-	X	X	-	-	X	-
Max. multiple shifts (Main lever/rear)			-	-	-	4	-	-	-	4	-
Release function	MULTI RELEASE		-	-	-	X(Right) /- (Left)	-	-	-	*X(Right) /- (Left)	-
	INSTANT RELEASE		-	-	-	X	X	-	-	X	-
	2WAY-RELEASE		-	-	-	X	X	-	-	X	-
OPTICAL GEAR DISPLAY	with		-	-	-	X	X	-	-	-	-
	with (removable)		-	-	-	-	-	-	-	-	-
	without		X	X	X	-	-	X	X	X	X
Multi-Bearing construction			-	-	-	R:2 L:2	2	-	-	R:2 L:2	-
Recommended SL outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight			153 g/pair	63 g/pair	153 g/pair	270 g/pair	270 g/pair	-	-	210 g/pair	-
Note						For flat handle bar	For flat handle bar			* Pull:single Push:double	

Shifting Lever

Series		TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SHIMANO	SORA	SORA	SORA
Model no.		SL-4700	SL-4703	SL-4600	SL-4603	SL-R460	SL-R400	SL-R3000-R	SL-R3000-L	SL-R3030-L
Color	1	Series color	Series color	Series color	Series color	Black	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down Tube Shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2	3	2	3	2	2/3	-	2	3
Rear speeds		10	-	10	-	10	8	9	-	-
Compatible rear derailleur type		RD-4700	RD-4700	ROAD 10-speed RD	-	ROAD 10-speed RD	ROAD 8-speed RD	RD-R3000	FD-R3000	FD-R3030
Shifting lever position adjust		-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	-	X	X	X
Max. multiple shifts (Main lever/rear)		4	-	4	-	4	-	3	-	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	X (rear)	-	X (R)	-	X (right side)	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	-	X	X	X
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	-	X	X	X
	with (removable)	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	X	-	-	-
Multi-Bearing construction		R:2 L:2	2	R:2 L:2	2	R:2 L:2	-	-	-	-
Recommended SL outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight		-	-	-	-	-	-	-	-	-
Note						SHIMANO logo				

Series		SORA	SORA	SHIMANO	SHIMANO	CLARIS	CLARIS	CLARIS	CLARIS	CLARIS
Model no.		SL-3500	SL-3503	SL-R350-R	SL-R353	SL-R2000-R	SL-R2000-L	SL-R2030-L	SL-2400-R	SL-2400-L
Color	1	Series color	Series color	Black	Black	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2	3	-	3	-	2	3	-	2
Rear speeds		9	-	9	-	8	-	-	8	-
Compatible rear derailleur type		ROAD 9-speed RD	-	ROAD 9-speed RD	-	Road 8-speed	-	-	ROAD 8-speed RD	-
Shifting lever position adjust		-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	X	X	X	X	X	X	X	X
Max. multiple shifts (Main lever/rear)		3	-	3	-	3	-	-	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	X	X	X	X	X	X	X	X
OPTICAL GEAR DISPLAY	with	X	X	X	X	X	X	X	X	X
	with (removable)	-	-	-	-	-	-	-	-	-
	without	-	-	-	-	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	-	-	-	-
Recommended SL outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight		-	-	-	-	-	-	-	-	-
Note				SHIMANO logo	SHIMANO logo					

Series		CLARIS	A050	A050	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SL-2403-L	SL-A050-7R	SL-A050-LN	SL-SY20A-6-STEM	SL-SY20A-7-STEM	SL-SY20A-6-D	SL-SY20A-7-D	SL-SY20A-6-D (BAND)	SL-SY20A-7-D (BAND)
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	Handle Bar Mount Shifter	Handle Bar Mount Shifter	Stem Mount Shifter	Stem Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter
Front speeds		3	-	2 (Friction)	2 (Friction)	2 (Friction)	2 (Friction)	2 (Friction)	2 (Friction)	2 (Friction)
Rear speeds		-	7	-	6	7	6	7	6	7
Compatible rear derailleur type		-	ROAD 7-speed RD	-	ROAD 6-speed RD	ROAD 7-speed RD	ROAD 6-speed RD	ROAD 7-speed RD	ROAD 6-speed RD	ROAD 7-speed RD
Shifting lever position adjust		-	-	-	-	-	-	-	-	-
Shifting lever cable adjust		X	-	-	-	-	-	-	-	-
Max. multiple shifts (Main lever/rear)		-	-	-	-	-	-	-	-	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-	-	-
	2WAY-RELEASE	X	-	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	with	X	-	-	-	-	-	-	-	-
	with (removable)	-	-	-	-	-	-	-	-	-
	without	-	X	X	X	X	X	X	X	X
Multi-Bearing construction		-	-	-	-	-	-	-	-	-
Recommended SL outer casing		OT-SP41	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight		-	-	-	-	-	-	-	-	-
Note							Brazed On Type	Brazed On Type	Band Type	Band Type

Brake Lever

Series		SHIMANO	DURA-ACE	TIAGRA	SHIMANO	SHIMANO	SORA	CLARIS
Model no.		BL-R780	BL-TT79	BL-4700	BL-R550	BL-R400	BL-R3000	BL-R2000
Color	1	Silver	Black	Series color	Silver	Series color	Series color	Series color
	2	Black	-	-	Black	-	-	-
	3	-	-	-	-	-	-	-
Compatible brake type	V-BRAKE	X	-	X	-	-	X	X
	Mechanical disc brake (Road)	X	X	X	X	-	X	X
	Caliper (NEW SUPER SLR)	X	X	X	-	-	X	X
	Caliper (Super SLR)	-	-	-	X	X	-	-
	Cantilever brake	X	X	X	X	-	X	X
	Roller brake	-	-	-	-	-	-	-
Recommended POWER MODULATOR	V-BRAKE	-	-	-	-	-	-	-
	Mechanical disc brake (MTB)	-	-	-	-	-	-	-
Clamp band	Open clamp band	-	-	-	-	-	-	-
	I-SPEC compatible	-	-	-	-	-	-	-
	Diameter (mm)	22.2	*	22.2	22.2	23.8 - 24.2	22.2	22.2
Internal bumper stop		X	-	X	-	-	X	X
Lever size (Finger)		2.5	-	2.5	2.5	-	2.5	2.5
Brake cable type		T-type	-	T-type	T-type	-	T-type	T-type
Power adjuster		-	-	-	-	-	-	-
SERVOWAVE		-	-	-	-	-	-	-
Reach adjust		X	X	X	X	-	X	X
Cable adjust		X	-	X	X	-	X	X
Cable adjust type		Two hand	-	Two hand	Two hand	-	Two hand	Two hand
Average weight		170 g/pair	89 g/pair	-	-	-	-	-
Note			* Fixation structure is expanding plug clamp, handle bar inside diameter : ø19.0 - 22.5 mm, handle bar outside diameter :ø 22.2 - 24.0 mm.					

Brake Lever (Hydraulic Disc Brake)

Series		SHIMANO
Model no.		BL-RS600
Brake type		Hydraulic disc brake
Lever size (Finger)		3
Color	1	Black
	2	-
	3	-
Brake hose (Kit)		SM-BH59-JK-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
Recommended brake caliper		BR-RS405
Oil		SHIMANO Mineral
Funnel bleeding		X
Reach adjust	Toolless	-
	Tool	X
Free stroke adjust		-
SERVOWAVE		-
Clamp band	Open clamp	X
	I-SPEC B	-
	I-SPEC II	X
Note		

Brake (Caliper Brake)

Series			DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA
Model no.			BR-R9100	BR-R9110-F	BR-R9110-R	BR-R9110-RS	BR-9000	BR-9010-F	BR-9010-R	BR-9010-RS	BR-R8000
Color	1		Standard	Standard	Standard	Standard	Series color	Series color	Series color	Series color	Standard
	2		-	-	-	-	-	-	-	-	-
Type			SLR-EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot
Reach (mm)			51	51	51	51	49	49	49	49	51
Brake shoe	Standard		R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4
	Optional choice		R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55C3	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon R55CT4
Compatibility			SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
Assembly pivot nut (mm)	Front (mm)	10.5	X	-	-	-	X	-	-	-	X
		12.5	X	-	-	-	X	-	-	-	X
		18.0	X	-	-	-	X	-	-	-	X
		27.0	X	-	-	-	X	-	-	-	X
		32.0	X	-	-	-	X	-	-	-	X
	Rear (mm)	10.5	X	-	-	-	X	-	-	-	X
Cartridge shoe holder			X	X	X	X	X	X	X	X	X
Tire guide bumpers			X	X	X	X	X	X	X	X	X
QR			X	X	-	X	X	X	-	X	X
Shoe angle adjusting			X	X	X	X	X	X	X	X	X
Spring tension adjusting			-	-	X	-	X	X	X	-	-
Maximum tire size			28C	28C	28C	28C	25C	25C	25C	25C	28C
Rim width			20.8-28 mm	20.8-28 mm	20.8-28 mm	20.8-28 mm	*19-28 mm	*19-28 mm	*19-28 mm	*19-28 mm	20.8-28 mm
Titanium cable fixing bolt			X	X	X	X	X	X	X	X	-
Titanium pivot bolt			X	X (fixing bolt)	X (fixing bolt)	X (fixing bolt)	X	X (fixing bolt)	X (fixing bolt)	X (fixing bolt)	-
Average weight			326 g/pair	150 g/pc	139 g/pc	148 g/pc	297 g/pair	153 g/pcs	127 g/pcs	149 g/pc	182 g (Front) 178 g (Rear)
Note					"Need Inline cable adjuster (SM-CB90) for cable adjusting and QR feature."		Maximum tire size: 25 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	Maximum tire size: 25 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	"Need Inline cable adjuster (SM-CB90) for cable adjusting and QR feature." Maximum tire size: 25 mm Rim width: 19-26 mm /19-28 mm(R55C4-A Carbon)	Maximum tire size: 25 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	

Series			ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO	105
Model no.			BR-R8010-F	BR-R8010-R	BR-R8010-RS	BR-6800	BR-6810-F	BR-6810-R	BR-6810-RS	BR-R650	BR-5800
Color	1		Standard	Standard	Standard	Series color	Series color	Series color	Series color	Silver	Black
	2		-	-	-	-	-	-	-	-	Silver
Type			Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	Super SLR Dual Pivot	SLR-EV Dual Pivot
Reach (mm)			51	51	51	51	51	51	51	57	51
Brake shoe	Standard		R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C2	R55C4
	Optional choice		R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon	R55C4 Carbon R55C4-A Carbon	R55C for Carbon rim R55C for Ceramic rim	R55C4 for Carbon rim, R55C4-A for Carbon rim (wider than 25 mm rim)
Compatibility			SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	Super SLR	SLR-EV
Assembly pivot nut (mm)	Front (mm)	10.5	-	-	-	X	-	-	-	X	X
		12.5	-	-	-	X	-	-	-	X	X
		18.0	-	-	-	X	-	-	-	X	X
		27.0	-	-	-	X	-	-	-	X	X
		32.0	-	-	-	X	-	-	-	-	X
	Rear (mm)	10.5	-	-	-	X	-	-	-	X	X
Cartridge shoe holder			X	X	X	X	X	X	X	X	X
Tire guide bumpers			X	X	X	X	X	X	X	-	X
QR			X	-	X	X	X	-	X	X	X
Shoe angle adjusting			X	X	X	X	X	X	X	X	X
Spring tension adjusting			-	X	-	X	-	X	-	-	-
Maximum tire size			28C	28C	28C	25C	28C	28C	28C	28C	28C
Rim width			20.8-28 mm	20.8-28 mm	20.8-28 mm	*19-28 mm	*19-28 mm	*19-28 mm	*19-28 mm	19-26 mm	19-28 mm
Titanium cable fixing bolt			-	-	-	-	-	-	-	-	-
Titanium pivot bolt			-	-	-	-	-	-	-	-	-
Average weight			174 g/pc	160 g/pc	172 g/pc	335 g/pair	173 g/pc	167.7 g/pcs	168 g/pc	-	388 g/pair
Note				"Need Inline cable adjuster (SM-CB90) for cable adjusting and QR feature."		Maximum tire size: 25 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	Maximum tire size: 28 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	"Need Inline cable adjuster (SM-CB90) for cable adjusting and QR feature." Maximum tire size: 28 mm Rim width: 19-26 mm /19-28 mm(R55C4-A Carbon)	Maximum tire size: 28 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	Maximum tire size: 28 mm	Maximum tire size: 28 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)

Brake (Caliper Brake)

Series			105	105	105	SHIMANO	TIAGRA	SHIMANO	SORA	CLARIS
Model no.			BR-5810-F	BR-5810-R	BR-5810-RS	BR-R561	BR-4700	BR-R451	BR-R3000	BR-R2000
Color	1		Black	Black	Black	Silver	Series color	Black	Series color	Series color
	2		-	-	-	Black	-	Silver	-	-
Type			Direct mount type	Direct mount type	Direct mount type	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	Super SLR Dual Pivot	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot
Reach (mm)			-	-	-	49	51	57	51	51
Brake shoe	Standard		R55C4	R55C4	R55C4	R55C3	R50T5	R50T2	R50T5	R50T5
	Optional choice		R55C4 for Carbon rim, R55C4-A for Carbon rim (wider than 25 mm rim)	R55C4 for Carbon rim, R55C4-A for Carbon rim (wider than 25 mm rim)	R55C4 for Carbon rim, R55C4-A for Carbon rim (wider than 25 mm rim)	R55C for Ceramic rim R55C3 for Carbon rim	R50T4	-	R50T4	R50T4
Compatibility			SLR-EV	SLR-EV	SLR-EV	NEW SUPER SLR	NEW SUPER SLR	Super SLR	NEW SUPER SLR	NEW SUPER SLR
Assembly pivot nut (mm)	Front (mm)	10.5	-	-	-	X	X	X	X	X
		12.5	-	-	-	X	X	X	X	X
		18.0	-	-	-	X	X	X	X	X
		27.0	-	-	-	X	X	X	X	X
		32.0	-	-	-	-	X	-	X	X
	Rear (mm)	10.5	-	-	-	X	X	X	X	X
Cartridge shoe holder			X	X	X	X	-	-	-	-
Tire guide bumpers			X	X	X	-	-	-	-	-
QR			X	-	X	X	X	X	X	X
Shoe angle adjusting			X	X	X	X	X	X	X	X
Spring tension adjusting			-	-	-	-	-	-	-	-
Maximum tire size			28C	28C	28C	28C	28C	32C	28 mm	28 mm
Rim width			19-28 mm	19-28 mm	19-28 mm	19-26 mm	19-26 mm	19-26 mm	19-28 mm	19-26 mm
Titanium cable fixing bolt			-	-	-	-	-	-	-	-
Titanium pivot bolt			-	-	-	-	-	-	-	-
Average weight			174 g/pc	176 g/pc	175 g/pc	-	-	-	-	-
Note			Maximum tire size: 28 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	"Need Inline cable adjuster (SM-CB90) for cable adjusting and QR feature." Maximum tire size: 28 mm Rim width: 19-26 mm /19-28 mm(R55C4-A Carbon)	Maximum tire size: 28 mm Rim width: 19-26 mm/19-28 mm (R55C4-A Carbon)	Maximum tire size: 28 mm		QR Wider Open Maximum tire size: 32 mm		

Brake (Hydraulic Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-R9170-F	BR-R9170-R	BR-R8070-F	BR-R8070-R	BR-RS805-F	BR-RS805-R	BR-RS785	BR-R785	BR-RS505-F	BR-RS505-R	BR-RS405-F	BR-RS405-R
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Color	1	Series color	Series color	Series color	Series color	Gray	Black	Series color (ULTEGRA)	Series color (ULTEGRA)	Black	Black	Dark Gray	Dark Gray
	2	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-
Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-SB	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight	Banjo	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	White	White	-	-	-	-
ICE TECHNOLOGIES pad compatible caliper		X	X	X	X	X	X	X	X	X	X	X	X
Brake Pad	Standard 1	K02Ti-Resin	K02Ti-Resin	K02S-Resin	K02S-Resin	L02A-Resin	L02A-Resin	J02A-Resin	F01A-Resin	L02A-Resin	L02A-Resin	K02S-Resin	K02S-Resin
	Standard 2	L02A-Resin	L02A-Resin	L02A-Resin	L02A-Resin	L04C-Metal	L04C-Metal	J04C-Metal	F03C-Metal	L04C-Metal	L04C-Metal	-	-
	Option 1	K04Ti-Metal	K04Ti-Metal	K04S-Metal	K04S-Metal	K02S-Resin	K02S-Resin	G02A-Resin	G01A-Resin	K02S-Resin	K02S-Resin	L02A-Resin	L02A-Resin
	Option 2	L04C-Metal	L04C-Metal	L04C-Metal	L04C-Metal	K04S-Metal	K04S-Metal	G03S-Metal	G03S Metal	K04S-Metal	K04S-Metal	-	-
Fixing bolt spec for rear mount	10 mm mount	-	-	-	-	-	X	-	-	-	X	-	X
	15 mm mount	-	-	-	-	-	X	-	-	-	X	-	X
	20 mm mount	-	X	-	X	-	X	-	-	-	X	-	X
	25 mm mount	-	X	-	X	-	X	-	-	-	X	-	X
	30 mm mount	-	X	-	X	-	X	-	-	-	X	-	X
	35 mm mount	-	-	-	-	-	X	-	-	-	X	-	X
	15.2 mm	-	-	-	-	-	-	-	X	-	-	-	-
	18.7 mm	-	-	-	-	-	-	X	X	-	-	-	-
Recommended brake lever		ST-R9180 ST-R9170 ST-R9120	ST-R9180 ST-R9170 ST-R9120	ST-R8070 ST-R8020	ST-R8070 ST-R8020	ST-R785 ST-RS685	ST-R785 ST-RS685	ST-R785	ST-R785	ST-RS505	ST-RS505	ST-RS405 BL-RS600	ST-RS405 BL-RS600
Recommended brake rotor		SM-RT900	SM-RT900	SM-RT800	SM-RT800	SM-RT900	SM-RT900	SM-RT99	SM-RT99	-	-	SM-RT81 (140 mm, 160 mm)	SM-RT81 (140 mm, 160 mm)
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING		X	X	X	X	X	X	X	X	X	X	X	X
Mount type (available for IS mount with mount adapter)		Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Post-mount	Post-mount	Flat mount	Flat mount	Flat mount	Flat mount
Piston		2	2	2	2	2	2	2	2	2	2	2	2
Caliper	MONO-BODY	-	-	-	-	-	-	-	-	-	-	-	-
Caliper fixing bolt	Tool size	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	5 mm	5 mm	4 mm	4 mm	4 mm	4 mm
	Anti loosen method	Bolt fix pin/ snap ring	BOLT FIX PIN	Bolt fix pin/ snap ring	BOLT FIX PIN	Bolt fix pin/ snap ring	BOLT FIX PIN	Snap ring	Snap ring	Bolt fix pin/ snap ring	BOLT FIX PIN	SNAP RING BOLT FIX PIN	BOLT FIX PIN
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight		255 g/pair	255 g/pair	280 g/pair	280 g/pair	290 g/pair	290 g/pair	271 g/pair	271 g/pair	290 g/pair	290 g/pair	-	-
Note													

Brake (Mechanical Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-CX77	BR-R317	BR-RS305-F	BR-RS305-R
Brake Type		Mechanical Disc Brake	Mechanical Disc Brake	Mechanical Disc Brake	Mechanical Disc Brake
Color	1	Glossy Gray	Silver	Black	Black
	2	-	Black	-	-
Compatibility		NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
ICE TECHNOLOGIES pad compatible caliper		-	-	X	X
Pad	Standard	G01A Resin	G01S Resin	K02S-R	K02S-R
	Option 1	G03Ti	-	L02A-R	L02A-R
	Option 2	-	-	-	-
	Option 3	-	-	-	-
Fixing bolt spec for rear mount	10 mm mount	-	-	-	X
	15 mm mount	-	-	-	X
	20 mm mount	-	-	-	X
	25 mm mount	-	-	-	X
	30 mm mount	-	-	-	X
	35 mm mount	-	-	-	X
Recommended Brake Lever		ST-9001/ST-6800/ST-6870/ST-6700/ST-6770/ BL-R780	ST-3500/2400 BL-R2000	ST-3500	ST-3500
Recommended Brake Rotor		SM-RT81 (140 mm/160 mm)	SM-RT54 (160 mm) SM-RT81 (140 mm)	SM-RT54/56 (160 mm) SM-RT81 (140 mm/160 mm)	SM-RT54/56 (160 mm) SM-RT81 (140 mm/160 mm)
Mount Type		Post mount	Post mount	FLAT mount	FLAT mount
Piston		1	1	1	1
Caliper	MONO-BODY	-	-	-	-
Caliper fixing bolt	Tool size	5 mm	5 mm	4 mm	4 mm
	Anti loosen method	Snap ring	Snap ring	SNAP RING BOLT FIX PIN	BOLT FIX PIN
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle
Average weight		159 g	-	-	-
Note		Cyclecross usage	SHIMANO logo		

Brake (V-BRAKE)

Series		SHIMANO
Model no.		BR-R353
Color	1	Silver
	2	Black
	3	-
Brake type		V-BRAKE
Brake shoe	Standard 1	S70T
	Standard 2	-
	Option 1	M70T4
	Option 2	-
Cartridge shoe holder		-
Arch size (mm)		90
Spacer type	X type	X
	Y type	-
Compatible lead pipe angle (deg.)		45/90/135
Sleeve & Bushing axle		X
Fixing bolt length (mm)	16	X
	25	X
Fixing bolt	Chamfered bolt	-
Link wire		-
Reinforced link		-
Parallel link		-
POWER MODULATOR		-
Linear spring		X
Threaded brake shoe post		X
Average weight		-
Note		SHIMANO logo

Brake (Canti Lever Brake)

Series		SHIMANO
Model no.		BR-CX50
Color	1	Silver
	2	-
Brake type		Cantilever
Reach		-
Brake shoe	Standard	R50T2
	Optional choice	-
Compatibility		NEW SUPER SLR
Assembly pivot nut (mm)		-
Cartridge shoe holder		-
Tire guide bumpers		-
QR		-
Toe-in adjust		X
Spring tension adjusting		X
Average weight		175 g
Note		Cyclecross usage

Brake Cable

Series		DURA-ACE	SHIMANO	SHIMANO
Model no.		BC-9000	BC-R680	BC-1051
Color	High-tech Gray	X	X	X
	Black	X	X	X
	White	X	X	X
	Red	X	X	X
	Blue	-	X	X
	Lime-Green	-	X	X
	Orange	-	X	X
	Yellow	-	X	X
Brake type		Caliper	Caliper	Caliper
Inner cable	Coated	Polymer-coated cable	Polymer-coated cable	-
Outer cable	Prelubricated casings	X	X	-
Note				

Rear Derailleur

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	105	105	105	105	105	TIAGRA
Model no.		RD-R9100-SS	RD-9000-SS	RD-R8000-SS	RD-R8000-GS	RD-6800-SS	RD-6800-GS	RD-5800-SS	RD-5800-GS	RD-5701-SS	RD-5701-GS	RD-5701-GS	RD-4700-SS
Pulley cage		SS	SS	SS	GS	SS	GS	SS	GS	SS	GS(Front double)	GS(Front triple)	SS
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Black	Black	Black	Black	Black	Series color
	2	-	-	-	-	-	-	Silver	Silver	Silver	Silver	Silver	-
Rear speeds		11	11	11	11	11	11	11	11	10	10	10	10
Compatible chain		HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG 10-speed	HG 10-speed	HG 10-speed	HG-X Chain
Mount	Direct attachment (Conventional)	X*	X	X*	X*	X	X	X	X	X	X	X	X
	Riveted adapter (Road type)	-	-	-	-	-	-	-	-	-	-	-	-
	Riveted adapter (BMX-Track type)	-	-	-	-	-	-	-	-	-	-	-	-
Cable adjuster		X	X	X	X	X	X	X	X	X	X	X	X
Max. front difference		16T	16T	16T	16T	16T	16T	16T	16T	16T	16T	22T	16T
Total capacity		35T	33T	35T	39T	33T	37T	33T	37T	34T	40T	40T	33T
Low sprocket	Max.	30T	28T	30T	34T	28T	32T	28T	32T	30T	32T	30T	28T
	Min.	25T	23T	25T	28T	23T	28T	23T	28T	25T	27T	25T	25T
Top sprocket	Max.	14T	14T	14T	12T	14T	12T	14T	12T	14T	12T	14T	14T
	Min.	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	4	4	4	4	4	2	2	2	2	2	2
Pulley	G pulley bearing	X	X	X	X	X	X	-	-	-	-	-	-
	T pulley bearing	X	X	X	X	X	X	-	-	-	-	-	-
	Teeth	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
	Sunken type pulley bolt	X	X	X	X	X	X	X	X	X	X	X	X
B-axle	Hollow axle	X	X	X	X	X	X	-	-	-	-	-	-
B-axle 2	Hollow axle	-	-	-	-	-	-	-	-	-	-	-	-
Average weight		158 g	158 g	200 g	210 g	195 g	207 g	234 g	250 g	230 g	243 g	243 g	-
Note		*w/o bracket spec available		*w/o bracket spec available	*w/o bracket spec available								

Series		TIAGRA	TIAGRA	TIAGRA	TIAGRA	TIAGRA	SORA	SORA	SHIMANO	CLARIS	CLARIS	TOURNEY A070
Model no.		RD-4700-GS	RD-4700-GS	RD-4601-SS	RD-4601-GS	RD-4601-GS	RD-R3000-SS	RD-R3000-GS	RD-R350-GS	RD-R2000-SS	RD-R2000-GS	RD-A070
Pulley cage		GS(Front double)	GS(Front triple)	SS	GS(Front double)	GS(Front triple)	SS	GS	GS	SS	GS	Smart
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Black	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-	-	-	-
Rear speeds		10	10	10	10	10	9	9	9	8	8	7
Compatible chain		HG-X Chain	HG-X Chain	HG 10-speed	HG 10-speed	HG 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8-speed	HG 8-speed	HG
Mount	Direct attachment (Conventional)	X	X	X	X	X	X	X	X	X	X	X
	Riveted adapter (Road type)	-	-	-	-	-	-	-	-	-	-	X
	Riveted adapter (BMX-Track type)	-	-	-	-	-	-	-	-	-	-	-
Cable adjuster		X	X	X	X	X	X	X	X	X	X	X
Max. front difference		16T	20T	16T	16T	22T	16T	20T	20T	16T	20T	20T
Total capacity		41T	41T	34T	40T	40T	37T	43T	41T	37T	43T	37T
Low sprocket	Max.	34T	32T	30T	32T	30T	32T	34T	32T	32T	34T	28T
	Min.	28T	25T	25T	27T	25T	25T	28T	25T	25T	28T	28T
Top sprocket	Max.	12T	12T	14T	12T	14T	14T	14T	14T	13T	13T	14T
	Min.	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		2	2	2	2	2	2	2	2	-	-	-
Pulley	G pulley bearing	-	-	-	-	-	-	-	-	-	-	-
	T pulley bearing	-	-	-	-	-	-	-	-	-	-	-
	Teeth	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T	11/13T
	Sunken type pulley bolt	X	X	X	X	X	-	-	X	X	X	-
B-axle	Hollow axle	-	-	-	-	-	-	-	-	-	-	-
B-axle 2	Hollow axle	-	-	-	-	-	-	-	-	-	-	-
Average weight		-	-	-	-	-	-	-	-	-	-	-
Note									SHIMANO logo			

Front Derailleur

Series			DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.			FD-R9100-F	FD-R9100-B	FD-9000-F	FD-9000-B	FD-R8000-F	FD-R8000-B	FD-6800-F	FD-6800-B	FD-6700-F	FD-6700-B
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Silver	Silver
	2		-	-	-	-	-	-	-	-	Glossy Gray	Glossy Gray
Speeds	Front		2	2	2	2	2	2	2	2	2	2
	Rear		11	11	11	11	11	11	11	11	10	10
Compatible chain			HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG 10-speed	HG 10-speed
Action	TOP SWING		-	-	-	-	-	-	-	-	-	-
	Down Swing		X	X	X	X	X	X	X	X	X	X
Mount	Clamp Band (mm)	28.6	-	X (w/ AdapterS)	-	X (w/ AdapterS)	-	X (w/ AdapterS)	-	X (w/ AdapterS)	-	X (w/ AdapterS)
		31.8	-	X	-	X	-	X	-	X	-	X
		34.9	-	X	-	X	-	X	-	X	-	X
	Brazed-On		X	-	X	-	X	-	X	-	X	-
Cable adjust			X	X	-	-	X	X	-	-	-	-
Top-Pull exclusive option			-	-	-	-	-	-	-	-	-	-
Chain line (mm)			43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
Chain stay angle			61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	61 - 66
Top gear teeth			50 - 55T	50 - 55T	50 - 55T	50 - 55T	46 - 53T	46 - 53T	46 - 53T	46 - 53T	50 - 56T	50 - 56T
Total capacity			16T	16T	16T	16T	16T	16T	16T	16T	16T	16T
Applicable Top-Mid tooth difference			-	-	-	-	-	-	-	-	-	-
Angled clamp band design			-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction			2	2	-	-	-	-	-	-	-	-
Link bushings			8	8	7	7	8	8	7	7	7	7
Average weight (Band type: L size, Direct type: w/ bolt)			70 g	85 g	66 g	78 g	92 g	106 g	89 g	104 g	89 g	104 g
Note												

Series			ULTEGRA	ULTEGRA	SHIMANO	SHIMANO	SHIMANO	SHIMANO	105	105	105	105
Model no.			FD-6703-F	FD-6703-B	FD-CX70-F-T	FD-CX70-F-D	FD-CX70-B-T	FD-CX70-B-D	FD-5801-F	FD-5801-B	FD-5800-F	FD-5800-B
Color	1		Silver	Silver	Gray	Gray	Gray	Gray	Black	Black	Black	Black
	2		Glossy Gray	Glossy Gray	-	-	-	-	Silver	Silver	Silver	Silver
Speeds	Front		3	3	2	2	2	2	2	2	2	2
	Rear		10	10	10	10	10	10	11	11	11	11
Compatible chain			HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11
Action	TOP SWING		-	-	-	-	-	-	-	-	-	-
	Down Swing		X	X	X	X	X	X	X	X	X	X
Mount	Clamp Band (mm)	28.6	-	X (w/ AdapterS)	-	-	X (w/ AdapterS)	X (w/ AdapterS)	-	X (w/ AdapterS)	-	X*
		31.8	-	X	-	-	X	X	-	X	-	X
		34.9	-	X	-	-	X	X	-	X	-	X
	Brazed-On		X	-	X	X	-	-	X	-	X	-
Cable adjust			-	-	-	-	-	-	X	X	-	-
Top-Pull exclusive option			-	-	X	-	X	-	-	-	-	-
Chain line (mm)			45	45	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
Chain stay angle			63 - 66	63 - 66	63 - 66	63 - 66	63 - 66	63 - 66	61 - 66	61 - 66	61 - 66	61 - 66
Top gear teeth			52T	52T	46 - 52T	46 - 52T	46 - 52T	46 - 52T	46 - 53T	46 - 53T	46 - 53T	46 - 53T
Total capacity			16T	16T	16T	16T	16T	16T	16T	16T	16T	16T
Applicable Top-Mid tooth difference			13T	13T	-	-	-	-	-	-	-	-
Angled clamp band design			-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction			-	-	-	-	-	-	-	-	-	-
Link bushings			7	7	7	7	7	7	7	7	8	8
Average weight (Band type: L size, Direct type: w/ bolt)			114 g	131 g	92 g	87 g	108 g	103 g	98 g	112 g	89 g	104 g
Note												* w/ Adapter

Series			105	105	105	105	TIAGRA	TIAGRA	TIAGRA	TIAGRA	TIAGRA	TIAGRA
Model no.			FD-5700-F	FD-5700-B	FD-5703-F	FD-5703-B	FD-4700-F	FD-4700-B	FD-4703-F	FD-4703-B	FD-4600-F	FD-4600-B
Color	1		Black	Black	Black	Black	Series color	Series color	Series color	Series color	Series color	Series color
	2		Silver	Silver	Silver	Silver	-	-	-	-	-	-
Speeds	Front		2	2	3	3	2	2	3	3	2	2
	Rear		10	10	10	10	10	10	10	10	10	10
Compatible chain			HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG-X chain/ CN-HG500	HG-X chain/ CN-HG500	HG-X chain/ CN-HG500	HG-X chain/ CN-HG500	HG 10-speed	HG 10-speed
Action	TOP SWING		-	-	-	-	-	-	-	-	-	-
	Down Swing		X	X	X	X	X	X	X	X	X	X
Mount	Clamp Band (mm)	28.6	-	X (w/ AdapterS)	-	X (w/ AdapterS)	-	X*	-	X*	-	X (w/ AdapterS)
		31.8	-	X	-	X	-	X	-	X	-	X
		34.9	-	X	-	X	-	X	-	X	-	X
	Brazed-On		X	-	X	-	X	-	X	-	X	-
Cable adjust			-	-	-	-	-	-	-	-	-	-
Top-Pull exclusive option			-	-	-	-	-	-	-	-	-	-
Chain line (mm)			43.5	43.5	45	45	43.5	43.5	45	45	43.5	43.5
Chain stay angle			61 - 66	61 - 66	63 - 66	63 - 66	61 - 66	61 - 66	63 - 66	63 - 66	61 - 66	61 - 66
Top gear teeth			50 - 56T	50 - 56T	50T	50T	46 - 52T	46 - 52T	50T	50T	50 - 56T	50 - 56T
Total capacity			16T	16T	20T	20T	16T	16T	20T	20T	16T	16T
Applicable Top-Mid tooth difference			-	-	11T	11T	-	-	11T	11T	-	-
Angled clamp band design			-	-	-	-	-	-	-	-	-	-
Multi-Bearing construction			-	-	-	-	-	-	-	-	-	-
Link bushings			-	-	-	-	-	-	-	-	-	-
Average weight (Band type: L size, Direct type: w/ bolt)			89 g	105 g	114 g	132 g	-	-	-	-	-	-
Note								* 28.6 mm Clamp band: 31.8 mm w/ Adapter		* 28.6 mm Clamp band: 31.8 mm w/ Adapter		

Front Derailleur

Series			TIAGRA	TIAGRA	SORA	SORA	SORA	SORA	SORA	SORA	SHIMANO	CLARIS
Model no.			FD-4603-F	FD-4603-B	FD-R3000-F	FD-R3000-B	FD-R3030-F	FD-R3030-B	FD-3500-F	FD-3500-B	FD-R353-B	FD-R2000-F
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Black	Series color
	2		-	-	-	-	-	-	-	-	-	-
Speeds	Front		3	3	2	2	3	3	2	2	3	2
	Rear		10	10	9	9	9	9	9	9	9	8
Compatible chain			HG 10-speed	HG 10-speed	-	-	-	-	HG 9-speed	HG 9-speed	HG 9-speed	HG 8-speed
Action	TOP SWING		-	-	-	-	-	-	-	-	-	-
	Down Swing		X	X	X	X	X	X	X	X	X	X
Mount	Clamp Band (mm)	28.6	-	X (w/ AdapterS)	-	X (Adapter)	-	X (Adapter)	-	X (w/ AdapterS)	-	-
		31.8	-	X	-	X (Adapter)	-	X (Adapter)	-	X	-	-
		34.9	-	X	-	X	-	X	-	X	X	-
	Brazed-On		X	-	X	-	X	-	X	-	-	X
Cable adjust			-	-	-	-	-	-	-	-	-	-
Top-Pull exclusive option			-	-	-	-	-	-	-	-	-	-
Chain line (mm)			45	45	43.5	43.5	45	45	43.5	43.5	45	43.5
Chain stay angle			63 - 66	63 - 66	61 - 66	61 - 66	63 - 66	63 - 66	61 - 66	61 - 66	63 - 66	61 - 66
Top gear teeth			50T	50T	46 - 52T	46 - 52T	50T	50T	46 - 52T	46 - 52T	50T	46 - 52T
Total capacity			20T	20T	16T	16T	20T	20T	16T	16T	20T	16T
Applicable Top-Mid tooth difference			11T	11T	-	-	11T	11T	-	-	11T	-
Angled clamp band design			-	-	X	X	X	X	-	-	-	X
Multi-Bearing construction			-	-	-	-	-	-	-	-	-	-
Link bushings			-	-	-	-	-	-	-	-	-	-
Average weight (Band type: L size, Direct type: w/ bolt)			-	-	-	-	-	-	-	-	-	-
Note											SHIMANO logo	

Series			CLARIS	CLARIS	CLARIS	CLARIS	CLARIS	TOURNEY	TOURNEY	A050
Model no.			FD-R2000-B	FD-R2030-F	FD-R2030-B	FD-2400-F	FD-2400-B	FD-A070-A	FD-A073	FD-A050
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-	-
Speeds	Front		2	3	3	2	2	2	3	2 (Friction)
	Rear		8	8	8	8	8	7	7	7
Compatible chain			HG 8-speed	HG 8-speed	HG 8-speed	HG 8-speed	HG 8-speed	HG	HG	HG
Action	TOP SWING		-	-	-	-	-	-	-	-
	Down Swing		X	X	X	X	X	X	X	X
Mount	Clamp Band (mm)	28.6	X (Adapter)	-	X (Adapter)	-	X (w/ Adapter S)	X (Adapter S)	X (Adapter S)	X
		31.8	X (Adapter)	-	X (Adapter)	-	X	X (Adapter M)	X (Adapter M)	X
		34.9	X	-	X	-	X	X	X	-
	Brazed-On			X		X	-	-	-	-
Cable adjust			-	-	-	-	-	-	-	-
Top-Pull exclusive option			-	-	-	-	-	-	-	-
Chain line (mm)			43.5	45	45	43.5	43.5	43.5	45	43.5
Chain stay angle			61 - 66	63 - 66	63 - 66	61 - 66	61 - 66	61 - 66	63 - 66	61 - 66
Top gear teeth			46 - 52T	50T	50T	46 - 52T	46 - 52T	50T	50T	53T
Total capacity			16T	20T	20T	16T	16T	16T	20T	16T
Applicable Top-Mid tooth difference			-	11T	11T	-	-	-	11T	16T
Angled clamp band design			X	X	X	X	X	X	X	-
Multi-Bearing construction			-	-	-	-	-	-	-	-
Link bushings			-	-	-	-	-	-	-	-
Average weight (Band type: L size, Direct type: w/ bolt)			-	-	-	-	-	-	-	-
Note										

Crankset

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	105
Model no.		FC-R9100	FC-R9100-P	FC-R9100-P w/o gears	FC-9000	FC-R8000	FC-R8000	FC-6800	FC-6800	FC-5800
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Black
	2	-	-	-	-	-	-	-	-	Silver
Rear speeds		11	11	11	11	11	11	11	11	11
Compatible chain		HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11
Chain line (mm)		43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
P.C.D. left/right (mm)		110	110	110	110	110	110	110	110	110
Gear arms (pcs)		4	4	4	4	4	4	4	4	4
Chain ring combination		55 - 42T 54 - 42T 53 - 39T 52 - 36T 50 - 34T	53 - 39T 52 - 36T 50 - 34T	-	55 - 42T 54 - 42T 53 - 39T 52 - 38T 52 - 36T 50 - 34T	50 - 34T 52 - 36T 53 - 39T	46 - 36T	50 - 34T 52 - 36T 53 - 39T	46 - 36T	53 - 39T 52 - 36T 50 - 34T
Q-factor		146	146	146	146	146	146	146.6	146.6	146
Crank arm length (mm)	165	X	-	X	X	X	X	X	X	X
	167.5	X	-	X	X	-	-	-	-	-
	170	X	X	X	X	X	X	X	X	X
	172.5	X	X	X	X	X	X	X	X	X
	175	X	X	X	X	X	X	X	X	X
	177.5	X	-	X	X	-	-	-	-	-
	180	X	-	X	X	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-	-	-	-
	Without chain guard	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		X	X	X	X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-	-	-	-
HOLLOWTECH crank arm		X	X	X	X	X	X	X	X	X
OCTALINK		-	-	-	-	-	-	-	-	-
HOLLOWGLIDE		X	X	X	X	X	-	X	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	BB-R9100	BB-R9100	BB-R9100	BB-R9100	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60
	Pressfit	SM-BB92-41B	SM-BB92-41B	SM-BB92-41B	SM-BB92-41B	SM-BBR60-PB	SM-BBR60-PB	SM-BB72-41B	SM-BB72-41B	SM-BB72-41B
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	-
Threaded BB shell width (mm)	68	X	X	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X	X	X
crank fixing bolt included		X	X	X	X	X	X	X	X	X
Average weight (170 mm, w/o BB)		621 g (53 - 39T) 609 g (50 - 34T)	691 g (53 - 39T) 679 g (50 - 34T)	-	639 g (55 - 42T) 632 g (54 - 42T) 618 g (53 - 39T) 622 g (52 - 38T) 618 g (52 - 36T) 610 g (50 - 34T)	690 g (53 - 39T) 681 g (52 - 36T) 674 g (50 - 34T)	668 g (46 - 36T)	696 g (53 - 39T) 689 g (52 - 36T) 681 g (50 - 34T)	677 g (46 - 36T)	776 g (53 - 39T) 773 g (52 - 36T) 757 g (50 - 34T)
Note			With power meter Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah Rated capacity: 2.442 Wh	With power meter Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah Rated capacity: 2.442 Wh		-	-			

Crankset

Series		SHIMANO	SHIMANO	DURA-ACE	ULTEGRA	ULTEGRA	105	105	SHIMANO	TIAGRA
Model no.		FC-RS510	FC-RS500	FC-7710	FC-6703	FC-6750	FC-5750	FC-5703	FC-CX50	FC-4700
Color	1	Black	Black	Series color	Glossy Gray	Glossy Gray	Black	Black	Silver	Series color
	2	-	Silver	-	-	-	-	-	Black	-
Rear speeds		11	11	-	10	10	10	10	10	10
Compatible chain		HG-EV 11s/ HG-X11	HG-EV 11-speed/ HG-X11	1/2"X1/8/1/2"X3/32"	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	Super Narrow HG 10-speed
Chain line (mm)		43.5	43.5	42.5	45	43.5	43.5	45	43.5	43.5
P.C.D. left/right (mm)		110	110	144	130/92	110	110	130/74	110	110
Gear arms (pcs)		4	5	5	5	5	5	5	5	4
Chain ring combination		50 - 34T	52 - 36T 46 - 36T	45T>>55T (1/2"X1/8"/ 1/2"X3/32")	52 - 39 - 30T	50 - 34T	50 - 34T	50 - 39 - 30T	46 - 36T	52 - 36T 50 - 34T
Q-factor		150	150.3	136.3	154.8	146	146	154.76	150	150
Crank arm length (mm)	165	X	X	X	X	X	X	X	-	X
	167.5	-	-	X	-	-	-	-	-	-
	170	X	X	X	X	X	X	X	X	X
	172.5	X	X	X	X	X	X	X	X	X
	175	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-	-	-	-
	Without chain guard	X	X	X	X	X	X	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		-	-	X	X	X	X	X	-	-
2-PIECE CRANKSET		X	X	-	-	-	-	-	X	X
HOLLOWTECH crank arm		-	-	X	X	X	X	X	-	-
OCTALINK		-	-	X	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	X	X	-	-	-	-
Compatible BB type	Outboard	X	X	-	X	X	X	X	X	X
	OCTALINK	-	-	X	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	BB-RS500	BB-RS500	BB-7710/7700	SM-BB6700	SM-BB6700	SM-BB5700	SM-BB5700	BB-RS500	BB-RS500
	Pressfit	BB-RS500-PB	SM-BB72-41B	-	SM-BB71-41B	SM-BB71-41B	SM-BB71-41B	SM-BB71-41B	SM-BB71-41B	BB-RS500-PB
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	109.5	-	-	-	-	-	-
Threaded BB shell width (mm)	68	X	X	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X	X	X
crank fixing bolt included		X	X	X	X	X	X	X	X	X
Average weight (170 mm, w/o BB)		908 g (50 - 34T)	823 g (52 - 36T) 798 g (50 - 34T) 790 g (46 - 36T)	82 g (46T, 1/2"x 1/8")	803 g	699 g	716 g	831 g	798 g	-
Note										

Crankset

Series		TIAGRA	SHIMANO	SHIMANO	SORA	SORA	SORA	SORA	SHIMANO	SHIMANO
Model no.		FC-4703	FC-R460	FC-RS400	FC-R3030	FC-R3030-CG	FC-R3000	FC-R3000-CG	FC-R350	FC-R345
Color	1	Series color	Black	Black	Series color	Series color	Series color	Series color	Black	Silver
	2	-	-	-	-	-	-	-	-	Black
Rear speeds		10	10	10	9	9	9	9	9	9
Compatible chain		Super Narrow HG 10-speed	HG-X 10-speed	HG-X 10speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Chain line (mm)		45	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
P.C.D. left/right (mm)		110/74	110	110	110/74	110/74	110	110	130	110
Gear arms (pcs)		4	5	5	4	5	4	5	5	5
Chain ring combination		50 - 39 - 30T	48 - 34T 46 - 34T	50 - 34T	50 - 39 - 30T	50 - 39 - 30T	50 - 34T	50 - 34T	52 - 39T	50 - 34T
Q-factor		158.8	149.9	150.3	158.8	158.8	150	150	150.3	152.2
Crank arm length (mm)	165	X	X	-	X	X	X	X	X	-
	167.5	-	-	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X	X	X
	172.5	X	-	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	X	-	X	X	X
	Without chain guard	X	X	X	X	-	X	-	X	X
Crank arm fixing bolt	With	X	X	-	X	X	X	X	X	X
	Without	-	-	-	-	-	-	-	-	-
HOLLOWTECH II		-	-	-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	X	X	X	X	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-	-	X
HOLLOWGLIDE		-	-	-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	X	X	X	X	-
	OCTALINK	-	-	-	-	-	-	-	-	X
	Square	-	-	-	-	-	-	-	-	-
Recommended BB	Threaded (normal)	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BBES300
	Pressfit	BB-RS500-PB	SM-BB71-41B	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	SM-BB71-41B	-
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	-	-	-	-	113
Threaded BB shell width (mm)	68	X	X	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X	X	X
crank fixing bolt included		X	X	X	X	X	X	X	X	X
Average weight (170 mm, w/o BB)		-	-	-	-	-	-	-	-	-
Note			SHIMANO logo			w/ CG spec		w/ CG spec		

Crankset

Series		CLARIS	CLARIS	CLARIS	CLARIS	SHIMANO	TOURNEY A070	TOURNEY
Model no.		FC-R2000	FC-R2030	FC-R2000-CG	FC-R2030-CG	FC-RS200	FC-A070	FC-A073
Color	1	Series color	Series color	Series color	Series color	Black	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		8	8	8	8	8	7/8	7/8
Compatible chain		HG 8-speed	HG 8-speed	HG 8-speed	HG 8-speed	HG 8-speed	HG	HG
Chain line (mm)		43.5	43.5	43.5	43.5	43.5	43.5	45
P.C.D. left/right (mm)		110	110/74	110	110/74	110	Riveted	Riveted
Gear arms (pcs)		4	4	4	4	5arms	5	5
Chain ring combination		50 - 34T	50 - 39 - 30T	50 - 34T	50 - 39 - 30T	50 - 34T 46 - 34T (NEW)	50 - 34T	50 - 39 - 30T
Q-factor		150	158.8	150	158.8	153.7	169	171.5
Crank arm length (mm)	165	X	X	X	X	X	X	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	-	-
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	X	X	X	X	X
	Without chain guard	X	X	-	-	X	X	X
Crank arm fixing bolt	With	X	X	X	X	X	-	-
	Without	-	-	-	-	-	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible BB type	Outboard	X	X	X	X	-	-	-
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	X	X	X
Recommended BB	Threaded (normal)	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-UN26	BB-UN26	BB-UN26
	Pressfit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	-	-
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-	MM110	MM110	LL113
Threaded BB shell width (mm)	68	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X
crank fixing bolt included		X	X	X	X	-	-	-
Average weight (170 mm, w/o BB)		-	-	-	-	-	-	-
Note								

Bottom Bracket (HOLLOWTECH II)

Series		DURA-ACE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-R9100	SM-BB92-41B	SM-BB72-41B	SM-BBR60	BB-RS500	BB-RS500-PB
HOLLOWTECH II BB	Threaded BB type	X	-	-	X	X	-
	Press-Fit type	-	X	X	-	-	X
Threaded BB shell width	68 mm	X	-	-	X	X	-
	70 mm	X	-	-	X	X	-
Press-Fit BB shell width	86.5 mm	-	X	X	-	-	X
Small ball bearing		X	X	X	X	-	-
Average weight		65 g	54 g	69 g	77 g	92 g	71 g
Note							

Bottom Bracket

Series			DURA-ACE	DURA-ACE	105	105	TIAGRA	TIAGRA	TOURNEY A070	TOURNEY A070
Model no.			BB-7700	BB-7710	BB-5500	BB-5500	BB-ES51	BB-ES51	BB-UN26	BB-UN26
Spindle	Hollow spindle		X	X	X	X	X	X	-	-
	OCTALINK		X	X	X	X	X	X	-	-
	Square type		-	-	-	-	-	-	X	X
Axle length/shell width (mm)	109.5	68 (BC1.37)	X	X	X	-	-	-	-	-
		70 (M36)	X	-	X	-	-	-	-	-
	MM110.0	68 (BC1.37)	-	-	-	-	-	-	X	-
		70 (M36)	-	-	-	-	-	-	X	-
	LL113.0	68 (BC1.37)	-	-	-	-	-	-	-	X
		70 (M36)	-	-	-	-	-	-	-	X
	113	68 (BC1.37)	-	-	-	-	X	-	-	-
		70 (M36)	-	-	-	-	X	-	-	-
	118.5	68 (BC1.37)	-	-	-	X	-	-	-	-
		70 (M36)	-	-	-	X	-	-	-	-
	121	68 (BC1.37)	-	-	-	-	-	X	-	-
Average weight			173 g	244 g	-	-	-	-	-	-
Note				For track	For double	For triple	For double	For triple	For double	For triple

Cassette Sprocket

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		CS-R9100	CS-R9100	CS-R9100	CS-R9100	CS-R9100	CS-R8000	CS-R8000	CS-R8000	CS-R8000
Type		HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV
Speeds		11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed
Compatible chain		HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11
Combination name		11 - 25T	11 - 28T	11 - 30T	12 - 25T	12 - 28T	11 - 25T	11 - 28T	11 - 30T	12 - 25T
Group name		-	-	-	-	-	-	-	-	-
Combination *Titanium gear	11th	25*	28*	30*	25*	28*	25	28	30	25
	10th	23*	25*	27*	23*	25*	23	25	27	23
	9th	21*	23*	24*	21*	23*	21	23	24	21
	8th	19*	21*	21*	19*	21*	19	21	21	19
	7th	17*	19*	19*	18*	19*	17	19	19	18
	6th	16	17	17	17	17	16	17	17	17
	5th	15	15	15	16	16	15	15	15	16
	4th	14	14	14	15	15	14	14	14	15
	3rd	13	13	13	14	14	13	13	13	14
	2nd	12	12	12	13	13	12	12	12	13
	1st	11	11	11	12	12	11	11	11	12
Carbon Spider arm	QTY (pcs)	2	2	2	2	2	1	1	1	1
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	1	1	1	1
Average weight		175 g	193 g	211 g	189 g	205 g	232 g	251 g	269 g	243 g
Note										

Series		ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO	105	105	105	DURA-ACE	DURA-ACE
Model no.		CS-R8000	CS-R8000	CS-6800	CS-HG800-11	CS-5800	CS-5800	CS-5800	CS-7900	CS-7900
Type		HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG	HG
Speeds		11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed	10-speed	10-speed
Compatible chain		HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG-EV 11-speed/ HG-X11	HG 10-speed	HG 10-speed
Combination name		14 - 28T	11 - 32T	11 - 23T	11 - 34T	11 - 28T	11 - 32T	12 - 25T	11 - 25T	11 - 27T
Group name		-	-	-	-	-	-	-	-	-
Combination *Titanium gear	11th	28	32	23	34	28	32	25	-	-
	10th	25	28	21	30	25	28	23	25	27
	9th	23	25	19	27	23	25	21	23	24
	8th	21	22	18	25	21	22	19	21	21
	7th	20	20	17	23	19	20	18	19	19
	6th	19	18	16	21	17	18	17	17	17
	5th	18	16	15	19	15	16	16	15	15
	4th	17	14	14	17	14	14	15	14	14
	3rd	16	13	13	15	13	13	14	13	13
	2nd	15	12	12	13	12	12	13	12	12
	1st	14	11	11	11	11	11	12	11	11
Carbon Spider arm	QTY (pcs)	1	1	1	1	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	1	1	1	1	1	1	1	2	2
Average weight		300 g	292 g	212 g	335 g	284 g	320 g	269 g	180 g	184 g
Note										

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	105	105
Model no.		CS-7900	CS-7900	CS-6700	CS-6700	CS-6700	CS-6700	CS-6700	CS-5700	CS-5700
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		10-speed	10-speed	10-speed	10-speed	10-speed	10-speed	10-speed	10-speed	10-speed
Compatible chain		HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed	HG 10-speed
Combination name		11 - 28T	12 - 27T	11 - 23T	11 - 25T	11 - 28T	12 - 25T	12 - 30T	11 - 25T	11 - 28T
Group name		-	-	-	-	-	-	-	-	-
Combination *Titanium gear	11th	-	-	-	-	-	-	-	-	-
	10th	28	27	23	25	28	25	30	25	28
	9th	24	24	21	23	24	23	27	23	24
	8th	21	21	19	21	21	21	24	21	21
	7th	19	19	17	19	19	19	21	19	19
	6th	17	17	16	17	17	17	19	17	17
	5th	15	16	15	15	15	16	17	15	15
	4th	14	15	14	14	14	15	15	14	14
	3rd	13	14	13	13	13	14	14	13	13
	2nd	12	13	12	12	12	13	13	12	12
	1st	11	12	11	11	11	12	12	11	11
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	2	2	1	1	1	1	1	1	1
Average weight		187 g	189 g	209 g	229 g	242 g	238 g	-	245 g	255 g
Note										

Cassette Sprocket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SORA	SORA	SORA	SORA	SORA
Model no.		CS-HG500-10	CS-HG500-10	CS-HG500-10	CS-HG500-10	CS-HG50-9	CS-HG50-9	CS-HG50-9	CS-HG50-9	CS-HG400-9
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		10-speed	10-speed	10-speed	10-speed	9-speed	9-speed	9-speed	9-speed	9-speed
Compatible chain		HG-X 10-speed/ HG 10-speed/ CN-HG500	HG-X 10-speed/ HG 10-speed/ CN-HG500	HG-X 10-speed/ HG 10-speed/ CN-HG500	HG-X 10-speed/ HG 10-speed/ CN-HG500	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Combination name		11 - 25T	12 - 28T	11 - 32T	11 - 34T	11 - 30T	12 - 25T	13 - 25T	14 - 25T	11 - 25T
Group name		-	-	-	-	bQ	-	-	G	G
Combination *Titanium gear	11th	-	-	-	-	-	-	-	-	-
	10th	25	28	32	34	-	-	-	-	-
	9th	23	25	28	30	30	25	25	25	25
	8th	21	23	25	26	26	23	23	23	23
	7th	19	21	22	23	23	21	21	21	21
	6th	17	19	20	21	20	19	19	19	19
	5th	15	17	18	19	18	17	17	18	17
	4th	14	15	16	17	16	15	16	17	15
	3rd	13	14	14	15	14	14	15	16	13
	2nd	12	13	12	13	12	13	14	15	12
	1st	11	12	11	11	11	12	13	14	11
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-
Average weight		-	-	-	-	-	-	-	-	-
Note										NEW gear combination

Series		CLARIS	CLARIS	CLARIS	CLARIS	SHIMANO	CLARIS	CLARIS	TOURNEY A070	TOURNEY A070
Model no.		CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG41-7	CS-HG20-7
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG
Speeds		8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed	7-speed	7-speed
Compatible chain		CN-HG71	CN-HG71	CN-HG71	HG 8-speed	HG	HG	HG	IG/HG	IG/HG
Combination name		11 - 28T	11 - 30T	11 - 32T	11 - 34T (NEW)	12 - 23T	12 - 25T	13 - 26T	11 - 28T	12 - 28T
Group name		bf	an	aw	Ca	U	W	V	ac	E
Combination *Titanium gear	11th	-	-	-	-	-	-	-	-	-
	10th	-	-	-	-	-	-	-	-	-
	9th	-	-	-	-	-	-	-	-	-
	8th	28	30	32	34	23	25	26	-	-
	7th	24	26	28	28	21	23	23	28	28
	6th	21	23	24	24	19	21	21	24	24
	5th	19	20	21	21	17	19	19	21	21
	4th	17	17	18	18	15	17	17	18	18
	3rd	15	15	15	15	14	15	15	15	16
	2nd	13	13	13	13	13	13	14	13	14
	1st	11	11	11	11	12	12	13	11	12
Carbon Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-
Aluminum Spider arm	QTY (pcs)	-	-	-	-	-	-	-	-	-
Average weight		-	-	-	-	-	-	-	-	-
Note										

Front Hub (Rim/Disc Brake)

Series			DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	105	SHIMANO	SHIMANO	TOURNEY A070	SHIMANO	SHIMANO
Model no.			HB-9000	HB-7710	HB-7600	HB-6800	HB-5800	HB-RS400	HB-RS300	HB-RM40	HB-RS770	HB-RS505
Color	1		Series color	Silver	Silver	Series color	Black	Black	Silver	Black	Black	Black
	2		-	-	-	-	Silver	Silver	Black	Silver	Silver	-
Brake Type			Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)			100	100 (Front) 120 (Rear)	100 (Front) 120 (Rear)	100	100	100	100	100	100	100
Spoke hole	24H		X	-	-	-	-	-	-	-	-	-
	28H		X	X	X	-	-	X	X	-	X	X
	32H		X	X	X	X	X	X	X	X	X	X
	36H		X	X	X	X	X	X	X	X	X	X
Axle	Fixing method		QR	NUT	NUT	QR	QR	QR	QR	QR	12 mm E-THRU	QR
	QR skewer length (mm)	129	-	-	-	-	-	-	X	X	-	-
		133	X	-	-	X	X	X	X	X	-	X
	Length (mm)		108	142 (M9) (Front) 164 (M10) (Rear)	142 (M9) (Front) 164 (M10) (Rear)	108	108	108	108 (M9)	108 (M9)	100	108
	Diameter (mm)		14.8	9(Front) 10(Rear)	9(Front) 10(Rear)	14	9	9	9	9	15	9
	Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-	-	-
		100 x 12	-	-	-	-	-	-	-	-	X	-
		100 x 15	-	-	-	-	-	-	-	-	-	-
		110 x 20	-	-	-	-	-	-	-	-	-	-
Flange distance (mm)			74.0	74.0 (Front) 72.5 (Single Thread, Rear) 67.0 (Double Thread, Rear)	72.3 (Front) 75.5 (Single Thread, Rear) 65.0 (Double Thread, Rear)	71.6	71.6	71.6	71.6	71.6	59.6	59.6
Offset (mm)			0	0(Front)/2.75 (Single Thread, Rear)/ 0 (Double Thread, Rear)	0(Front)/5.25(Rear)	0	0	0	0	0	6	6
P.C.D. Left/Right (mm)			38	38 (Front) 44 (Rear)	67	40	38	38	38	38	44/44	44(left) / 44(right)
Flange diameter (mm)			48.4	46 (Front) 52 (Rear)	75	50.4	48.4	48.4	48.4	46	52.8(left) / 52.8(right)	52.8(left) / 52.8(right)
Seal			Labyrinth and Contact	Dust Cap	Dust Cap	Labyrinth and Contact	Labyrinth and Contact	Contact	Contact	-	Labyrinth & Contact	Contact
Internal grease sleeve			X	-	-	X	X	X	-	-	-	X
Digital adjustment system			X	-	-	X	-	-	-	-	-	-
Bearing	Stainless ball		X	X	X	-	-	-	-	-	-	-
	Cup		Super Finishing **	Polish	CBN/Polish	Polish	Polish	Polish	-	-	CBN	Polish
	Cone		CBN/Polish	CBN/Polish	CBN/Polish	CBN/Polish	CBN/Polish	CBN	-	-	CBN	CBN
Disc mount	CENTER LOCK		-	-	-	-	-	-	-	-	X	X
	External serration rotor lockring		-	-	-	-	-	-	-	-	-	-
	CENTER LOCK mount cover option		-	-	-	-	-	-	-	-	-	-
	6-bolt		-	-	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible		-	-	-	-	-	-	-	-	X	X
QR lever	Color		Silver	-	-	Gray	Black	Black	Black	Silver	-	Black
Radial lacing			X	-	-	X	X	X	X	-	-	-
Average weight (w/o axle and lockring)			120 g	298 g (rear w/ lockring) 203 g (front)	313 g (rear LF w/ lockring) 241 g (front LF)	158 g	155 g	-	-	-	125 g	185 g
Note			* Aero spoke hole available(18H/24H) **Super Finishing	For Track *Dishing Distance R(Single Thread): 2.75 mm/(Double Thread): 0							-	

FREEHUB (Rim/Disc Brake)

Series			DURA-ACE	ULTEGRA	105	SHIMANO	SHIMANO	TOURNEY A070	SHIMANO	SHIMANO
Model no.			FH-9000	FH-6800	FH-5800	FH-RS400	FH-RS300	FH-RM30-7-QR	FH-RS770	FH-RS505
Color	1		Series color	Series color	Black	Black	Silver	Silver	Silver	Black
	2		-	-	Silver	Silver	Black	-	Black	-
Brake Type			Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds			11/10*	11/10*	11/10*	11/10	8/9/10-speed	7	11/10*	11/10
O.L.D. (mm)			130	130	130	130	130	130	142	135
Spoke hole	24H		X	-	-	-	-	-	-	-
	28H		X	-	-	X	X	-	X	X
	32H		X	X	X	X	X	X	X	X
	36H		X	X	X	X	X	-	X	X
External serration rotor lockring	with		-	-	-	-	-	-	-	-
	without		-	-	-	-	-	-	-	-
Internal serration disc brake rotor lockring	with		-	-	-	-	-	-	-	-
	without		-	-	-	-	-	-	X	X
CENTER LOCK mount cover option			-	-	-	-	-	-	-	-
Axle	Fixing method		QR	QR	QR	QR	QR	QR	12 mm E-THRU	QR
	QR skewer length (mm)	161	-	-	-	-	-	X	-	-
		163	X	X	X	X	X	-	-	-
		166	-	-	-	-	-	-	-	-
		168	X	X	X	X	X	-	-	X
		170	-	-	-	-	-	-	-	-
		173	-	-	-	-	-	-	-	X
	Thru Axle Length x Inner Diameter (mm)	135 x 10	-	-	-	-	-	-	-	-
		135 x 12	-	-	-	-	-	-	-	-
		142 x 12	-	-	-	-	-	-	X	-
		148 x 12	-	-	-	-	-	-	-	-
		150 x 12	-	-	-	-	-	-	-	-
Flange distance (mm)			56.9 **	56.9	56.9	56.9	57.9	59.2	55.7	55.65
Offset (mm)			9.75 **	9.7	9.75	9.75	8.4	5.5	7.5	7.4
P.C.D. left/right (mm)			44/45	44/45	44/45	44/45	45	45	44/45	44/45
Flange diameter left/right (mm)			52.8/53.8	52.8/53.8	52.8/53.8	52.8/53.8	53.8	53.8	52.8/53.8	52.8/53.8
Seal	Hub		Contact	Contact	Contact	Contact	Contact	-	Contact	Contact
	FREEHUB body		Contact	Contact	Contact	Contact	Contact	-	Contact	Contact
Internal grease sleeve			X	X	X	X	X	-	-	X
Digital adjustment system			X	X	-	-	-	-	-	-
Bearing	Stainless ball		X	-	-	-	-	-	-	-
	Cup		CBN	Polish	Polish	Polish	-	-	CBN	Polish
	Cone		CBN	CBN	CBN	CBN	-	-	CBN	CBN
QR lever	Color		9000SLV	Black	Black	Black	Black	Black	-	Black
Radial Lacing			-	-	-	-	-	-	-	-
Average weight (w/o axle and lockring)			247 g	330 g	368 g	-	-	-	302 g	-
Note			* Can be used for 10-speed with an additional spacer. ** Aero spoke hole available *** Flange Distance:56.5, Dish:9.95(only for 28H) **** Super Finishing.	* Can be used for 10-speed with an additional spacer.	* Can be used for 10-speed with an additional spacer.	* Can be used for 10-speed with an additional spacer.			* Can be used for 10-speed with an additional spacer. For Disc Brake/ CENTER LOCK mount	

Wheel (Rim Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		WH-R9100-C60	WH-R9100-C60	WH-R9100-C60	WH-R9100-C60	WH-R9100-C40	WH-R9100-C40	WH-R9100-C40	WH-R9100-C40
SPEC		CL-F	CL-R	TU-F	TU-R	CL-F	CL-R	TU-F	TU-R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Front	Rear
Brake Type		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Speeds		-	10*/11	-	10*/11	-	10*/11	-	10*/11
O.L.D. (mm)		100	130	100	130	100	130	100	130
Wheel Size		622 x 17C	622 x 17C	700C	700C	622 x 15C	622 x 15C	700C	700C
Rim	Height (mm)	50	50	60	60	35	35	37	37
	Width (mm)	22.4	22.4	28	28	20.8	20.8	28	28
	Rim joint	Sleeved	Sleeved	-	-	Welded	Welded	-	-
	Brazed reinforcement	-	-	-	-	-	-	-	-
Spokes	Number	16	21	16	21	16	21	16	21
	Bladed	X	X	X	X	X	X	X	X
	Butted	X	X	X	X	X	X	X	X
Axle Fixing method		QR	QR	QR	QR	QR	QR	QR	QR
QR skewer length (mm)	129	-	-	-	-	-	-	-	-
	133	X	-	X	-	X	-	X	-
	161	-	-	-	-	-	-	-	-
	163	-	X	-	X	-	X	-	X
	166	-	-	-	-	-	-	-	-
	168	-	X	-	X	-	X	-	X
	170	-	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-	-
Axle Length (mm)		108	141	108	141	108	141	108	141
Axle Diameter (mm)		15	15	15	15	15	15	15	15
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-
	100 x 12	-	-	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-	-	-
	110 x 20	-	-	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-	-	-
Bearing	Stainless ball	X	X	X	X	X	X	X	X
	Cup	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	-	-	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-	-	-
OPTBAL		-	X	-	X	-	X	-	X
D2 rim		X	X	X	X	-	-	-	-
OFFSET RIM		-	-	-	-	-	X	-	X
Digital adjustment system		X	X	X	X	X	X	X	X
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-	-	-	-	-
Requires rim tape		X	X	-	-	X	X	-	-
Tire	Type	Clincher	Clincher	Tubular	Tubular	Clincher	Clincher	Tubular	Tubular
	Recommended size	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 28" - 28 - 28"	23 - 28" - 28 - 28"	23 - 622 - 28 - 622	23 - 622 - 28 - 622	23 - 28" - 28 - 28"	23 - 28" - 28 - 28"
Spoke	Color	Black	Black	Black	Black	Black	Black	Black	Black
Nipple	Color	Silver	Silver	Silver	Silver	Black	Black	Black	Black
QR nut	Color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		832 g	1019 g	666 g	830 g	674 g	834 g	637 g	747 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS

Wheel (Rim Brake)

Series		DURA-ACE	DURA-ACE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-R9100-C24	WH-R9100-C24	WH-RS700-C30	WH-RS700-C30	WH-RS500	WH-RS500	WH-RS330	WH-RS330
SPEC		CL-F	CL-R	TL-F	TL-R	TL-F	TL-R	CL-F	CL-R
Color	1	Series color	Series color	Black	Black	Gray	Gray	Black	Black
	2	-	-	-	-	-	-	White	White
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Front	Rear
Brake Type		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Speeds		-	10*/11	-	10*/11	-	10*/11	-	10*/11
O.L.D. (mm)		100	130	100	130	100	130	100	130
Wheel Size		622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C
Rim	Height (mm)	21	24	24	28	24	24	30	30
	Width (mm)	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Rim joint	Sleeved	Sleeved	Welded	Welded	Welded	Welded	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-	X	X	-	-
Spokes	Number	16	20	16	21	16	20	16	21
	Bladed	X	X	X	X	X	X	X	X
	Butted	X	X	X	X	X	X	X	X
Axle Fixing method		QR	QR	QR	QR	QR	QR	QR	QR
QR skewer length (mm)	129	-	-	-	-	-	-	-	-
	133	X	-	X	-	X	-	X	-
	161	-	-	-	-	-	-	-	-
	163	-	X	-	X	-	X	-	X
	166	-	-	-	-	-	-	-	-
	168	-	X	-	X	-	X	-	X
	170	-	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-	-
Axle Length (mm)		108	141	108	141	108	141	108	141
Axle Diameter (mm)		15	15	15	15	14	14	9	10
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-
	100 x 12	-	-	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-	-	-
	110 x 20	-	-	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-	-	-
Bearing	Stainless ball	X	X	-	-	-	-	-	-
	Cup	CBN finish	CBN finish	CBN finish	CBN finish	Polish	Polish	Polish	Polish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish	CBN/Polish	CBN/Polish	CBN/Polish	CBN/Polish
Disc mount	CENTER LOCK	-	-	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-	-	-
OPTBAL		-	-	-	X	-	-	-	X
D2 rim		-	-	-	-	-	-	-	-
OFFSET RIM		-	X	-	X	-	X	-	X
Digital adjustment system		X	X	-	-	X	X	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-	X	X	X	X
Requires rim tape		X	X	X	X	-	-	X	X
Tire	Type	Clincher	Clincher	Tubeless	Tubeless	Tubeless	Tubeless	Clincher	Clincher
	Recommended size	23 - 622 - 28 - 622	23 - 622 - 28 - 622	23 - 622 - 28 - 622	23 - 622 - 28 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622
Spoke	Color	Black	Black	Black	Black	Black	Black	Black	Black
Nipple	Color	Black	Black	Black	Black	Black	Black	Black	Black
QR nut	Color	Series color	Series color	Black	Black	Black	Black	Black	Black
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		618 g	835 g	625 g	943 g	705 g	944 g	875 g	1,176 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS

Wheel (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-RS11	WH-RS11	WH-RS010	WH-RS010	WH-R501-A	WH-R501-A	WH-R501	WH-R501
SPEC		CL-F	CL-R	CL-F	CL-R	CL-F	CL-R	CL-F	CL-R
Color	1	Black	Black	Black	Black	Black	Black	Black	Black
	2	Silver	Silver	-	-	Silver	Silver	Silver	Silver
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Front	Rear
Brake Type		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Speeds		-	10*/11	-	10*/11	-	8/9/10	-	8/9/10
O.L.D. (mm)		100	130	100	130	100	130	100	130
Wheel Size		622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 15C
Rim	Height (mm)	24	24	24	24	24	24	24	24
	Width (mm)	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Rim joint	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-	-	-	-	-
Spokes	Number	16	20	20	24	20	24	20	24
	Bladed	X	X	-	-	X	X	-	-
	Butted	-	-	-	-	-	-	-	-
Axle Fixing method		QR	QR	QR	QR	QR	QR	QR	QR
QR skewer length (mm)	129	-	-	-	-	-	-	-	-
	133	X	-	X	-	X	-	X	-
	161	-	-	-	-	-	-	-	-
	163	-	X	-	X	-	X	-	X
	166	-	-	-	-	-	-	-	-
	168	-	X	-	X	-	X	-	X
	170	-	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-	-
Axle Length (mm)		108	141	108	141	108	141	108	141
Axle Diameter (mm)		9	10	9	10	9	10	9	10
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-
	100 x 12	-	-	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-	-	-
	110 x 20	-	-	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-	-	-
Bearing	Stainless ball	-	-	-	-	-	-	-	-
	Cup	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	-	-	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-	-	-
OPTBAL		-	-	-	-	-	-	-	-
D2 rim		-	-	-	-	-	-	-	-
OFFSET RIM		-	X	-	X	-	-	-	-
Digital adjustment system		-	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	X	-	-	-	-	-	-
Requires rim tape		X	X	X	X	X	X	X	X
Tire	Type	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 622 - 32 - 622
Spoke	Color	Black	Black	Black	Black	Black	Black	Black	Black
Nipple	Color	Black	Black	Silver	Silver	Silver	Silver	Silver	Silver
QR nut	Color	Black	Black	Black	Black	Black	Black	Black	Black
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		816 g	1,087 g	818 g	1,102 g	820 g	1,069 g	820 g	1,069 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS				

Wheel (Disc Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		WH-R9170-C60	WH-R9170-C60	WH-R9170-C60	WH-R9170-C60	WH-R9170-C40	WH-R9170-C40	WH-R9170-C40	WH-R9170-C40
SPEC		TL-F12	TL-R12	TU-F12	TU-R12	TL-F12	TL-R12	TU-F12	TU-R12
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Front	Rear
Brake Type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds		-	10*/11	-	10*/11	-	10*/11	-	10*/11
O.L.D. (mm)		100	142	100	142	100	142	100	142
Wheel Size		622 x 17C	622 x 17C	700C	700C	622 x 17C	622 x 17C	700C	700C
Rim	Height (mm)	60	60	60	60	37	37	37	37
	Width (mm)	24	24	28	28	24	24	28	28
	Rim joint	-	-	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-	-	-
Spokes	Number	24	24	24	24	24	24	24	24
	Bladed	X	X	X	X	X	X	X	X
	Butted	X	X	X	X	X	X	X	X
Axle Fixing method		12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU
QR skewer length (mm)	129	-	-	-	-	-	-	-	-
	133	-	-	-	-	-	-	-	-
	161	-	-	-	-	-	-	-	-
	163	-	-	-	-	-	-	-	-
	166	-	-	-	-	-	-	-	-
	168	-	-	-	-	-	-	-	-
	170	-	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-	-
Axle Length (mm)		100	142	100	142	100	142	100	142
Axle Diameter (mm)		15	15	15	15	15	15	15	15
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-
	100 x 12	X	-	X	-	X	-	X	-
	100 x 15	-	-	-	-	-	-	-	-
	110 x 20	-	-	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-	-	-
	142 x 12	-	X	-	X	-	X	-	X
	150 x 12	-	-	-	-	-	-	-	-
Bearing	Stainless ball	X	X	X	X	X	X	X	X
	Cup	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	X	X	X	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X	X	X	X
OPTBAL		-	X	-	X	-	X	-	X
D2 rim		X	X	X	X	-	-	-	-
OFFSET RIM		-	-	-	-	-	X	-	X
Digital adjustment system		-	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-	-	-	-	-
Requires rim tape		X	X	-	-	X	X	-	-
Tire	Type	Tubeless	Tubeless	Tubular	Tubular	Tubeless	Tubeless	Tubular	Tubular
	Recommended size	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 28″ - 28 - 28″	23 - 28″ - 28 - 28″	23 - 622 - 32 - 622	23 - 622 - 32 - 622	23 - 28″ - 28 - 28″	23 - 28″ - 28 - 28″
Spoke	Color	Black	Black	Black	Black	Black	Black	Black	Black
Nipple	Color	Silver	Silver	Silver	Silver	Black	Black	Black	Black
QR nut	Color	-	-	-	-	-	-	-	-
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		745 g	902 g	671 g	829 g	721 g	865 g	626 g	774 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-RS770	WH-RS770	WH-RX830	WH-RX830	WH-RX31-CL-F12	WH-RX31-CL-R12	WH-RX31-CL-F	WH-RX31-CL-R
SPEC		TL-F12	TL-R12	TL-F	TL-R	CL-F12	CL-R12	CL-F	CL-R
Color	1	Black	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Front	Rear
Brake Type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds		-	10*/11	-	10*/11	-	10*/11	-	10*/11
O.L.D. (mm)		100	142	100	135	100	142	100	135
Wheel Size		622 x 17C	622 x 17C	622 x 17C	622 x 17C	622 x 17C	622 x 17C	622 x 17C	622 x 17C
Rim	Height (mm)	28	28	35	35	24	24	24	24
	Width (mm)	23	23	23	23	23	23	23	23
	Rim joint	Welded	Welded	Welded	Welded	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-	-	-	-	-
Spokes	Number	24	24	24	24	24	24	24	24
	Bladed	X	X	X	X	-	-	-	-
	Butted	X	X	X	X	-	-	-	-
Axle Fixing method		12 mm E-THRU	12 mm E-THRU	QR	QR	12 mm E-THRU	12 mm E-THRU	QR	QR
QR skewer length (mm)	129	-	-	-	-	-	-	-	-
	133	-	-	X	-	-	-	X	-
	161	-	-	-	-	-	-	-	-
	163	-	-	-	-	-	-	-	-
	166	-	-	-	-	-	-	-	-
	168	-	-	-	X	-	-	-	X
	170	-	-	-	-	-	-	-	-
	173	-	-	-	X	-	-	-	X
Axle Length (mm)		100	142	108	146	100	142	108	146
Axle Diameter (mm)		15	15	14	14	15	15	15	15
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-	-	-	-	-
	100 x 12	X	-	-	-	X	-	-	-
	100 x 15	-	-	-	-	-	-	-	-
	110 x 20	-	-	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-	-	-
	142 x 12	-	X	-	-	-	X	-	-
	150 x 12	-	-	-	-	-	-	-	-
Bearing	Stainless ball	-	-	-	-	-	-	-	-
	Cup	CBN finish	CBN finish	Polish	Polish	Polish	Polish	Polish	Polish
	Cone	CBN finish	CBN finish	CBN/Polish	CBN/Polish	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	X	X	X	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X	X	X	X
OPTBAL		-	X	-	-	-	-	-	-
D2 rim		-	-	-	-	-	-	-	-
OFFSET RIM		-	-	-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	X	X	X	X	X	X
Requires rim tape		-	-	-	-	X	X	X	X
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Clincher	Clincher	Clincher	Clincher
	Recommended size	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622
Spoke	Color	Black	Black	Black	Black	Black	Black	Black	Black
Nipple	Color	Black	Black	Black	Black	Black	Black	Black	Black
QR nut	Color	-	-	Black	Black	-	-	Black	Black
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		735 g	904 g	829 g	993 g	873 g	1,072 g	899 g	1,093 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS		

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-RS170	WH-RS170	WH-RX010	WH-RX010
SPEC		CL-F12	CL-R12	CL-F	CL-R
Color	1	Black	Black	Black	Black
	2	White	White	White	White
Front/Rear		Front	Rear	Front	Rear
Brake Type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Speeds		-	10*/11	-	10*/11
O.L.D. (mm)		100	142	100	135
Wheel Size		622 x 17C	622 x 17C	622 x 17C	622 x 17C
Rim	Height (mm)	24	24	24	24
	Width (mm)	23	23	23	23
	Rim joint	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-
Spokes	Number	28	28	28	28
	Bladed	-	-	-	-
	Butted	-	-	-	-
Axle Fixing method		12 mm E-THRU	12 mm E-THRU	QR	QR
QR skewer length (mm)	129	-	-	-	-
	133	-	-	X	-
	161	-	-	-	-
	163	-	-	-	-
	166	-	-	-	-
	168	-	-	-	X
	170	-	-	-	-
	173	-	-	-	X
Axle Length (mm)		100	142	108	146
Axle Diameter (mm)		15	15	10	10
Thru Axle Length x Inner Diameter (mm)	100 x 8	-	-	-	-
	100 x 12	X	-	-	-
	100 x 15	-	-	-	-
	110 x 20	-	-	-	-
	135 x 10	-	-	-	-
	135 x 12	-	-	-	-
	142 x 12	-	X	-	-
	150 x 12	-	-	-	-
Bearing	Stainless ball	-	-	-	-
	Cup	Polish	Polish	Polish	Polish
	Cone	CBN finish	CBN finish	CBN finish	CBN finish
Disc mount	CENTER LOCK	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X
OPTBAL		-	-	-	-
D2 rim		-	-	-	-
OFFSET RIM		-	-	-	-
Digital adjustment system		-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact
Internal grease sleeve		X	X	-	X
Requires rim tape		X	X	X	X
Tire	Type	Clincher	Clincher	Clincher	Clincher
	Recommended size	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622	25 - 622 - 38 - 622
Spoke	Color	Black	Black	Black	Black
Nipple	Color	Silver	Silver	Silver	Silver
QR nut	Color	-	-	Black	Black
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (w/o QR, rim tape, tubeless tape, valve stem, lockring)		942 g	1,149 g	982 g	1,177 g
Note			*The adapter is needed to use 10-speed CS		*The adapter is needed to use 10-speed CS

Head Parts

Series	DURA-ACE
Model no.	HP-7410
Size	JIS ENGLISH
Thread	BC1" x 24T.PT.I.
Sealed cartridge bearings	X
Stack height (mm)	37.6
Average weight	101 g
Note	

Chain

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	ULTEGRA
Model no.	CN-HG901-11	CN-HG701-11	CN-HG601-11	CN-E6090-10	CN-HG95	CN-HG54	CN-6701
Type	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 10-speed
E-BIKE RD system compatible	X	X	X	X	-	-	-
Pin link plate	SIL-TEC	SIL-TEC	-	SIL-TEC	SIL-TEC	Gray	Zinc-Alloy Plated
Roller link plate	SIL-TEC	SIL-TEC	SIL-TEC	SIL-TEC	SIL-TEC	Brown	Gray
Roller	SIL-TEC	-	-	-	-	-	-
Chromizing treatment link pin	X	X	X	X	X	X	X
Hollow pin	X	-	-	-	-	-	-
Average weight (114 links)	247 g	257 g	257 g	276 g	273 g	273 g	267 g
Note							

Series	ULTEGRA	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	NEXUS
Model no.	CN-6600	CN-HG93	CN-E6070-9	CN-HG53	CN-HG71	CN-HG40	CN-NX10
Type	HG 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG	HG	Single speed 1/2"x1/8"
E-BIKE RD system compatible	-	-	X	-	-	-	-
Pin link plate	Zinc-Alloy Plated	Zinc-Alloy Plated	Gray	Gray	Silver	Gray	-
Roller link plate	Gray	Gray	Gray	Brown	Gray	Brown	-
Roller	-	-	-	-	-	-	-
Chromizing treatment link pin	X	X	X	X	X	-	-
Hollow pin	-	-	-	-	-	-	-
Average weight (114 links)	273 g	299 g	276 g	299 g	324 g	324 g	-
Note	For triple						

Chain QUICK-LINK

Series	SHIMANO
Model no.	SM-CN900-11
Type	HG 11-speed
Pin link plate	SIL-TEC
Roller link plate	-
Roller	-
Chromizing treatment link pin	X
Hollow pin	-
Note	QUICK-LINK for SHIMANO 11-speed chain

Disc Brake Rotor

Series		XTR/SAINT	XTR/SAINT	SHIMANO	SHIMANO	SAINT/DEORE XT	SAINT/DEORE XT	DEORE XT	SHIMANO	SLX/DEORE
Model no.		SM-RT99	SM-RT99-A	SM-RT900	SM-RT800	SM-RT86	SM-RT81	SM-RT76	SM-RT70	SM-RT66
CENTER LOCK		X	X	X	X	-	X	-	X	-
6-bolt (P.C.D. 44 mm)		-	-	-	-	X	-	X	-	X
ICE TECHNOLOGIES		X	X	X	X	X	X	-	X	-
ICE TECHNOLOGIES FREEZA		X	X	X	X	-	-	-	-	-
Outside diameter	203 mm	X	-	-	-	X	X	X	X	X
	180 mm	X	-	-	-	X	X	X	X	X
	160 mm	X	-	X	X	X	X	X	X	X
	140 mm	-	X*	X	X	-	X*	-	-	-
Alloy lock ring		X	X	X	X	X	X	-	-	-
Pad compatibility	Metal	X	X	X	X	X	X	X	X	X
	Resin	X	X	X	X	X	X	X	X	X
Average weight* *W/O lock ring		173.0 g (203 mm) 132.3 g (180 mm) 118.1 g (160 mm)	95.0 g (140 mm)	118 g (160 mm) 100 g (140 mm)	128 g (160 mm) 108 g (140 mm)	187.0 g (203 mm) 154.0 g (180 mm) 135.0 g (160 mm)	173.0 g (203 mm) 149.0 g (180 mm) 122.0 g (160 mm) 100.5 g (140 mm)	209 g (203 mm) 169 g (180 mm) 141 g (160 mm)	197 g (203 mm) 163 g (180 mm) 133 g (160 mm)	-
Note		w/ Radiator fin	w/ Radiator fin *for rear only in MTB usage			With anti loosen tightening plate	*for rear only in MTB usage	With anti loosen tightening plate		With anti loosen tightening plate

Series		DEORE	METREA	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-RT64	SM-RT500-SS	SM-RT56	SM-RT54	SM-RT30	SM-RT26	SM-RT10	SM-RTC60
CENTER LOCK		X	X	-	X	X	-	X	-
6-bolt (P.C.D. 44 mm)		-	-	X	-	-	X	-	-
ICE TECHNOLOGIES		-	X	-	-	-	-	-	-
ICE TECHNOLOGIES FREEZA		-	-	-	-	-	-	-	-
Outside diameter	203 mm	X	-	-	-	-	-	-	-
	180 mm	X	-	X	X	X	X	X	-
	160 mm	X	-	X	X	X	X	X	X
	140 mm	-	X	-	-	-	-	-	-
Alloy lock ring		-	X	-	-	-	-	-	-
Pad compatibility	Metal	X	X	-	-	-	-	-	X
	Resin	X	X	X	X	X	X	X	X
Average weight* *W/O lock ring		-	102.9 g	-	-	-	-	-	-
Note				With anti loosen tightening plate			With anti loosen tightening plate		Disc brake rotor is fixed by 5-bolts with 74 mm PCD.

Disc Brake Hose

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBS	SM-BH90-SB	SM-BH90-SS	SM-BH59-JK-SS	SM-BH59-SB
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	White	White	White	White	White
	3	-	-	-	-	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight	Straight	Straight	Straight	Straight
	Brake caliper	Banjo	Banjo	Banjo	Banjo	Straight	Straight	Banjo
Rigidity		High power	High power	High power	High power	High power	Standard	Standard
Banjo	Length	Standard	Long	Standard	Standard	-	-	-
	Banjo bolt length	Long	Short	Short	Long	-	-	-
Note								

Disc Brake Rotor Adapter

Series		SHIMANO
Model no.		SM-RTAD05
Color	1	Black
	2	-
	3	-
Lock ring	Type	External serration
Rotor mount method		Torx bolts
Compatibility (Rotor)	SM-RT86	-
	SM-RT76	-
	SM-RT66	X
	SM-RT56	X
Compatibility (Axle)	F20 Thru	X
	F15 E-THRU	X
	F9 QR	X
	R12 E-THRU	X
	R12 Thru	X
	R10 Thru	X
	R10 QR	X
Note		Use this disc brake rotor adapter to attach the 6-bolt mount type rotor to CENTER LOCK mount type hub. Cannot be used with the 6-bolt rotor that is installed with an Aluminum adapter. (SM-RT86/76)

Outer Cable

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		OT-RS900	OT-SP41	OT-SP40	OT-SIS40
Color	Black	X	X	X	X
	White	X	X	X	X
	Yellow	-	X	-	-
	Red	X	X	-	-
	Blue	-	X	-	-
	Green	-	X	-	-
	Orange	-	X	-	-
	High-tech gray	X	X	-	-
Outer	SP type	-	X	X	-
	Coil type	X	-	-	X
Cable grease	Special grease	X	X	-	-
	Premium grease	-	-	X	X
	Entirely greased	X	X	-	-
Note					

Cable Adjuster

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-CB90	SM-CB70	SM-CA70	SM-CA50
Shifting cable	-	-	X	X
Brake cable	X	X	-	-
Quick release function	X	-	-	-
Note				

POWER MODULATOR

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-PM70	SM-PM60	SM-PM50	SM-PM40
Modulator level		Standard	High*	Standard	Standard
Mount type		Lead pipe	Outer casing	Outer casing	Lead pipe
Available lead pipe angle	90°	X	-	-	X
	135°	X	-	-	X
Compatible Brake	V-BRAKE	X**	X**	-	X**
	Mechanical disc brake (MTB)	-	-	X**	-
	Mechanical disc brake (Road)	-	-	-	-
	Caliper (NEW SUPER SLR)	-	-	-	-
	Caliper (super SLR)	-	-	-	-
	Cantilever brake	-	-	-	-
	Roller brake	-	-	-	-
Compatible Brake Lever	V-BRAKE 4-finger	X***	X***	X***	X***
	V-BRAKE 3-finger	X***	X***	X***	X***
	V-BRAKE 2-finger	X	X	X	X
	Road	-	-	-	-
Note		** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake	* City use for Japan market ** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake.	** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake	** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake

Hub Dynamo

Series			DEORE XT	DEORE XT	DEORE LX	DEORE LX	DEORE LX	ALIVIO	ALIVIO	SHIMANO	SHIMANO
Model no.			DH-T8000-3D	DH-T785-1D	DH-T675	DH-T670-3N	DH-T670-2N	DH-T4050-1D	DH-T4000-1N	DH-3D72	DH-3D37-QR
Regulation	StVZO		X	X	X	X	-	X	X	X	X
	TPGBi		-	-	-	-	-	-	-	X	-
	JIS		-	-	-	-	-	-	-	-	-
	Others		-	-	-	-	-	-	-	-	-
Color	1		Series color	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2		-	Black	Black	Black	Black	Black	Black	Black	Black
	3		-	-	-	-	-	-	-	-	-
Type			Disc brake	Disc brake	Disc brake	Regular	Regular	Disc brake	Regular	Disc brake	Disc brake
CENTER LOCK mount type			X	X	X	-	-	X	-	X	X
Voltage (V)			6	6	6	6	6	6	6	6	6
Output (W)			3	1.5	3	3	2.4	1.5	1.5	3	3
Wheel size	26-28inch		X	-	X	X	X	-	-	X	-
	20-28inch		-	X	-	-	-	-	X	-	-
	18-28inch		-	-	-	-	-	X	-	-	-
	16-28inch		-	-	-	-	-	-	-	-	X
	24-28inch		-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
	16-20inch		-	-	-	-	-	-	-	-	-
	Compatible wheel size (mm)		(646-716)	(492-716)	(646-716)	(646-716)	(646-716)	(448-716)	(448-716)	(646-716)	(400-716)
QR type			X	X	X	X	X	X	X	X	X
Nut type			-	-	-	-	-	-	-	-	-
O.L.D. (mm)			100	100	100	100	100	100	100	100	100
Flange Distance (mm)			52.1	54	52.1	60	60	51	56.0	52.1	51
Offset (mm)			4	3.1	4	0	0	1.9	0	3.8	4
Hole P.C.D. (mm)			70	57	70	70	70	67	67	70	74
Axle length (mm)			108	108	108	108	108	108	108	108	108
Spoke size			#14	#14	#14	#14	#14	#14	#14	#14	#14
Spoke hole	24H		-	-	-	-	-	-	-	-	-
	28H		-	-	-	-	-	-	-	-	-
	32H		X	X	X	X	X	X	X	X	X
	36H		X	X	X	X	X	X	X	X	X
Seal			Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Roller brake modulator grade	More than 26inch	High	-	-	-	-	-	-	-	-	-
		Standard	-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
Electric power output connector	J1 type		-	-	-	-	-	-	-	-	-
	J2 type		-	-	-	-	-	-	-	-	-
	E2 type		X	X	X	X	X	X	X	X	X
	Others		-	-	-	-	-	-	-	-	-
QR	QR lever	Color	Black	Black	Silver	Silver	Silver	Black	-	Silver/Black	-
	QR Skewer Length (mm)	129	-	-	-	-	-	-	-	-	-
		133	X	X	X	X	X	X	X	X	X
Average weight			503 g	425 g	559 g	550 g	550 g	565 g	580 g	559 g	650 g
Note								* For LED light use only	* For LED light use only		

Hub Dynamo

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	CAPREO	SHIMANO	ALFINE	ALFINE	NEXUS
Model no.			DH-3D37-NT	DH-3D32-QR	DH-3D32-NT	DH-3N72	DH-F703	DH-F703-S	DH-S701	DH-S501	DH-C6000-3N-NT
Regulation	StVZO		X	X	X	X	X	X	X	X	X
	TPGBi		-	-	-	-	-	-	-	-	X
	JIS		-	-	-	-	-	-	-	-	-
	Others		-	-	-	-	-	-	-	-	-
Color	1		Silver	Clear	Clear	Silver	Silver	Silver	Silver	Silver	Silver
	2		Black	Black	Black	Black	-	-	Piano Black	Piano Black	Black
	3		-	-	-	-	-	-	-	-	-
Type			Disc brake	Disc brake	Disc brake	Regular	Regular	Regular	Disc brake	Disc brake	Regular
CENTER LOCK mount type			X	-	-	-	-	-	X	X	-
Voltage (V)			6	6	6	6	6	6	6	6	6
Output (W)			3	3	3	3	3	3	1.5	3	3.0
Wheel size	26-28inch		-	-	-	X	-	-	-	X	-
	20-28inch		-	-	-	-	-	-	X	-	-
	18-28inch		-	-	-	-	-	-	-	-	-
	16-28inch		X	X	X	-	-	-	-	-	X
	24-28inch		-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
	16-20inch		-	-	-	-	X	X	-	-	-
	Compatible wheel size (mm)		(400-716)	(400-716)	(400-716)	(646-716)	(400-536)	(400-536)	(492-716)	(646-716)	(400-716)
QR type			-	X	-	X	X	X	X	X	-
Nut type			X	-	X	-	-	-	-	-	X
O.L.D. (mm)			100	100	100	100	74	74	100	100	100
Flange Distance (mm)			51	51.1	51.1	60.0	44.6	44.6	54	52.1	60.0
Offset (mm)			3.6	4	3.6	0	0	0	3.1	3.8	1.0
Hole P.C.D. (mm)			74	74	74	70	74	74	57	70	74
Axle length (mm)			140	108	140	108	82	82	108	108	140
Spoke size			#14	#14	#14	#14	#14	#14	#14	#14	#14
Spoke hole	24H		-	-	-	-	X	X	-	-	-
	28H		-	-	-	-	-	X	-	-	X
	32H		X	X	X	X	-	-	X	X	X
	36H		X	X	X	X	-	-	X	X	X
Seal			Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Roller brake modulator grade	More than 26inch	High	-	-	-	-	-	-	-	-	-
		Standard	-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
Electric power output connector	J1 type		-	-	-	-	-	-	-	-	-
	J2 type		-	-	-	-	-	-	-	-	-
	E2 type		X	X	X	X	X	X	X	X	X
	Others		-	-	-	-	-	-	-	-	-
QR	QR lever	Color	-	-	-	Silver	Black	Black	Silver	Silver	-
	QR Skewer Length (mm)	129	-	-	-	-	-	-	-	-	-
		133	-	X	-	X	X	X	X	X	-
Average weight			680 g	685 g	705 g	560 g	590 g	590 g	430 g	564 g	712 g
Note									* For LED light use only		

Hub Dynamo

Series			NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.			DH-C6000-2N-NT	DH-C6000-2R	DH-C6000-1R	DH-C6000-1N	DH-C3000-3N-QR	DH-C3000-3N-NT	DH-C3000-2N-QR	DH-C3000-2N-NT	DH-C3000-1N
Regulation	StVZO		-	-	X	X	X	X	-	-	X
	TPGBi		-	-	-	-	X	X	-	-	-
	JIS		-	-	-	-	-	-	-	-	-
	Others		-	-	-	-	-	-	-	-	-
Color	1		Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2		Black	Black	Black	Black	Black	Black	Black	Black	Black
	3		-	-	-	-	-	-	-	-	-
Type			Regular	Hub Roller Brake	Hub Roller Brake	Regular	Regular	Regular	Regular	Regular	Regular
CENTER LOCK mount type			-	-	-	-	-	-	-	-	-
Voltage (V)			6	6	6	6	6	6	6	6	6
Output (W)			2.4	2.4	1.5	1.5	3.0	3.0	2.4	2.4	1.5
Wheel size	26-28inch		-	X	X	-	-	-	-	-	-
	20-28inch		-	-	-	X	-	-	-	-	X
	18-28inch		-	-	-	-	-	-	-	-	-
	16-28inch		X	-	-	-	X	X	X	X	-
	24-28inch		-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
	16-20inch		-	-	-	-	-	-	-	-	-
	Compatible wheel size (mm)		(400-716)	(646-716)	(646-716)	(448-716)	(400-716)	(400-716)	(400-716)	(400-716)	(448-716)
QR type			-	-	-	-	X	-	X	-	-
Nut type			X	X	X	X	-	X	-	X	X
O.L.D. (mm)			100	100	100	100	100	100	100	100	100
Flange Distance (mm)			60.0	58.1	58.1	56.0	60.0	60.0	60.0	60.0	56.0
Offset (mm)			1.0	4.7	4.7	0	0.6	1.0	0.6	1.0	0
Hole P.C.D. (mm)			74	76	76	67	74	74	74	74	67
Axle length (mm)			140	140	140	140	108	140	108	140	140
Spoke size			#14	#14	#14	#14	#14	#14	#14	#14	#14
Spoke hole	24H		-	-	-	-	-	-	-	-	-
	28H		-	-	-	-	-	X	-	-	-
	32H		-	X	X	X	X	X	X	X	X
	36H		X	X	X	X	X	X	X	X	X
Seal			Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Roller brake modulator grade	More than 26inch	High	-	X	X	-	-	-	-	-	-
		Standard	-	X	X	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
Electric power output connector	J1 type		-	-	-	-	-	-	-	-	-
	J2 type		-	-	-	-	-	-	-	-	-
	E2 type		X	X	X	X	X	X	X	X	X
	Others		-	-	-	-	-	-	-	-	-
QR	QR lever	Color	-	-	-	-	-	-	-	-	-
	QR Skewer Length (mm)	129	-	-	-	-	X	-	X	-	-
		133	-	-	-	-	X	-	X	-	-
Average weight			712 g	960 g	960 g	630 g	700 g	712 g	700 g	705 g	600 g
Note					* For LED light use only	* For LED light use only					* For LED light use only

Hub Dynamo

Series			NEXUS	NEXUS	NEXUS	NEXUS	SHIMANO	NEXUS	NEXUS	SHIMANO	SHIMANO
Model no.			DH-C2100-N	DH-C2100-NC	DH-C2100-N-QR	DH-C2100-N-QRC	DH-C2100-D-NT	DH-2N40-J	DH-2N40-JC	DH-2N40-JW	DH-2N40-JWC
Regulation	StVZO		-	-	-	-	-	-	-	-	-
	TPGBi		-	-	-	-	-	-	-	-	-
	JIS		-	-	-	-	-	X	X	X	X
	Others		VIA	VIA	VIA	VIA	VIA	-	-	-	-
Color	1		Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2		Black	Black	Black	Black	Black	Black	Black	Black	Black
	3		-	-	-	-	-	-	-	-	-
Type			Regular	Regular	Regular	Regular	Disc brake	Regular	Regular	Regular	Regular
CENTER LOCK mount type			-	-	-	-	X	-	-	-	-
Voltage (V)			6	6	6	6	6V	6	6	6	6
Output (W)			0.9	0.9	0.9	0.9	0.9W	2.4	2.4	2.4	2.4
Wheel size	26-28inch		-	-	-	-	-	-	-	-	-
	20-28inch		-	-	-	-	-	-	-	-	-
	18-28inch		-	-	-	-	-	-	-	-	-
	16-28inch		-	-	-	-	-	-	-	-	-
	24-28inch		X	-	X	-	X	X	-	X	-
	20-24inch		-	X	-	X	-	-	X	-	X
	16-20inch		-	-	-	-	-	-	-	-	-
	Compatible wheel size (mm)		-	-	-	-	-	-	-	-	-
QR type			-	-	X	X	-	-	-	-	-
Nut type			X	X	-	-	-	X	X	X	X
O.L.D. (mm)			93	93	100	100	100	93	93	100	100
Flange Distance (mm)			58	58	58	58	52.5	60.0	60.0	60.0	60.0
Offset (mm)			0.5	0.5	0.5	0.5	4.8	0	0	3	3
Hole P.C.D. (mm)			60	60	60	60	60	69	69	69	69
Axle length (mm)			155 /150	155/150	108	108	140	155/150	150	140	140
Spoke size			#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#14	#14	#14
Spoke hole	24H		-	-	-	-	-	-	-	-	-
	28H		-	X	-	-	-	-	X	-	-
	32H		-	-	X	X	X	-	-	-	-
	36H		X	-	X	X	X	X	-	X	X
Seal			Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Roller brake modulator grade	More than 26inch	High	-	-	-	-	-	-	-	-	-
		Standard	-	-	-	-	-	-	-	-	-
	20-24inch		-	-	-	-	-	-	-	-	-
Electric power output connector	J1 type		-	-	-	-	-	-	-	-	-
	J2 type		-	-	-	-	-	X	X	X	X
	E2 type		-	-	-	-	-	-	-	-	-
	Others		X (J2-A)	X (J2-A)	X (J2-A)	X (J2-A)	X (J2-A)	-	-	-	-
QR	QR lever	Color	-	-	Silver	Silver	-	-	-	-	-
	QR Skewer Length (mm)	129	-	-	x	x	-	-	-	-	-
		133	-	-	x	x	-	-	-	-	-
Average weight			491 g	491 g	474 g	474 g	500 g	630 g	630 g	630 g	630 g
Note			* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market		* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market

Light

Series		NEXUS	SHIMANO	NEXUS	NEXUS	NEXUS	NEXUS	SHIMANO	NEXUS
Model no.		LP-C2207-B	LP-C2207-C	LP-C2200-S	LP-C2200-B	LP-C2201-S	LP-C2201-B	LP-C2250-H	LP-C2111-S
Auto light		-	-	-	-	-	-	-	-
Type of light	Front	X	X	X	X	X	X	X	X
	Tail(Rear)	-	-	-	-	-	-	-	-
Hub dynamo output		0.9W	0.9W	0.9W	0.9W	0.9W	0.9W	0.9W	6V-0.9W
Main light		High Power LED	High Power LED	High Power LED	High Power LED	High Power LED	High Power LED	High power LED	High Power LED
Brightness (At 5 m distance, JIS standard = 16 lx)		40 lx	40 lx	40 lx	40 lx	40 lx	40 lx	40 lx	40 lx
Lighting pattern		WIDE	WIDE	WIDE	WIDE	WIDE	WIDE	WIDE	Normal
Sub light		-	-	-	-	-	-	-	-
Stand light (LED flashing) function		-	-	-	-	-	-	-	X
Reflector integration		-	-	X	X	X	X	-	X
Electric power input	Tab-on type	-	-	-	-	-	-	-	-
	Connector type	J2-A	J2-A	J2-A	J2-A	J2-A	J2-A	J2-A	J2A
Color	1	Silver/Black/Black	CP/Silver/Black	CP	CP	CP	CP	Silver/Black	CP
	2	Black/Gray/Black	CP/Silver/White	Silver(Painted)	Silver(Painted)	Silver(Painted)	Silver(Painted)	-	Silver(Painted)
	3	-	-	White	White	White	White	-	White
	4	-	-	Black	Black	Black	Black	-	Black
	5	-	-	Gray	Gray	Gray	Gray	-	Gray
	6	-	-	-	-	-	-	-	-
Attachment position	Light stay	-	-	X	-	X	-		X
	Below basket	X	-	-	X	-	X	-	-
	Fork center	-	X	-	-	-	-	-	-
	Handle bar	-	-	-	-	-	-	X	-
	on mud guard	-	-	-	-	-	-	-	-
	mud guard style stay	-	-	-	-	-	-	-	-
	seat stay	-	-	-	-	-	-	-	-
Compatible seat stay diameter (mm)	13	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-
	19	-	-	-	-	-	-	-	-
Compatible handle bar diameter (mm)	22.2	-	-	-	-	-	-	X	-
	25.4	-	-	-	-	-	-	X	-
	31.8	-	-	-	-	-	-	X	-
Switch	Auto	-	-	-	-	-	-	-	-
	Manual (on)	-	-	-	-	-	-	-	-
	Manual (off)	-	-	-	-	-	-	-	-
	Permanent	X	X	X	X	X	X	X	X
Electric wire color	Black	-	X	-	-	-	-	X	-
	Gray	X	-	X	X	X	X	-	X
Electric wire length(mm)	Tab-on type	-	-	-	-	-	-	-	-
	Connector type	710	500	405	715	405	715	800	405
EZ cable clamp		-	-	-	-	-	-	X	-
Cord length adjuster		-	-	-	-	-	-	-	-
compatible wheel size		-	-	-	-	-	-	-	-
Note		*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market

Light

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	TOURNEY	TOURNEY
Model no.		LP-C2111-B	LP-X101-H	LP-X101	LP-X100	LP-NX60-R	LP-RTX2	LP-RTX2
Auto light		-	X	X	X	-	-	-
Type of light	Front	X	X	X	X	X	-	-
	Tail(Rear)	-	-	-	-	-	X	X
Hub dynamo output		6V-0.9W	6V-2.4W	6V-2.4W	6V-2.4W	6V-2.4W	6V-2.4W	6V-2.4W
Main light		High Power LED	High Power LED	High Power LED	High Power LED	Super Bright Red LED	Super Bright Red LED	Super Bright Red LED
Brightness (At 5 m distance, JIS standard = 16 lx)		40 lx	80 lx	80 lx	80 lx	-	-	-
Lighting pattern		Normal	Normal	Normal	Normal	-	-	-
Sub light		-	-	-	-	-	-	-
Stand light (LED flashing) function		X	-	-	-	X (if used with LP-X103)	X (if used with LP-X103)	X (if used with LP-X103)
Reflector integration		X	X	-	-	-	-	-
Electric power input	Tab-on type	-	X	X	X	-	-	-
	Connector type	J2A	X	X	X	X	X	X
Color	1	CP	Silver(Painted)	Silver(Painted)	Silver(Painted)	Silver(Painted)	Black	Black
	2	Silver(Painted)	White(Painted)	White(Painted)	White(Painted)	White(Painted)	-	-
	3	White	Black	Black	Black	Black(Painted)	-	-
	4	Black	Gray	Gray	Gray	-	-	-
	5	Gray	-	-	-	-	-	-
	6	-	-	-	-	-	-	-
Attachment position	Light stay	-	X	X	X	-	-	-
	Below basket	X	-	-	-	-	-	-
	Fork center	-	-	-	-	-	-	-
	Handle bar	-	-	-	-	-	-	-
	on mud guard	-	-	-	-	X *	-	-
	mud guard style stay	-	-	-	-	-	X	-
	seat stay	-	-	-	-	-	-	X
Compatible seat stay diameter (mm)	13	-	-	-	-	-	-	X
	16	-	-	-	-	-	-	X
	19	-	-	-	-	-	-	X
Compatible handle bar diameter (mm)	22.2	-	-	-	-	-	-	-
	25.4	-	-	-	-	-	-	-
	31.8	-	-	-	-	-	-	-
Switch	Auto	-	X	X	X	-	-	-
	Manual (on)	-	X	X	X	-	-	-
	Manual (off)	-	-	-	-	-	-	-
	Permanent	X	-	-	-	X	X	X
Electric wire color	Black	-	X	X	X	X	X	X
	Gray	X	-	-	-	X	-	X
Electric wire length(mm)	Tab-on type	-	410	400	675	-	-	-
	Connector type	715	160	120	125	Available	910	1140/1240
EZ cable clamp		-	-	-	-	-	3	5
Cord length adjuster		-	-	-	-	-	X	X
compatible wheel size		-	-	-	-	22/24/26/27 inch	20/22/24 inch CTB	-
Note		*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market	*Specification for Japan market (attached with special stay. 2 kinds of stays are available. One for IHG, another for RH/FH)	*Specification for Japan market	*Specification for Japan market

Light (SMRTX2)

Series		TOURNEY
Model no.		SM-RTX2
Color	1	Black
	2	Gray
Size (mm)	13	X
	16	X
	19	X
Note		Frame clip

E-THRU Axle (AX)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-AX720	SM-AX720	AX-MT700-142x12	AX-MT700-148x12	SM-AX78	SM-AX78-B	AX-MT500-142x12
Axle type	135 x 10mm	-	-	-	-	-	-	-
	100 x 12mm	X	-	-	-	-	-	-
	135 x 12mm	-	-	-	-	-	-	-
	142 x 12mm	-	X	X	-	X	-	X
	148 x 12mm	-	-	-	X	-	X	-
Lever position adjust type		X	X	I-type (left housing)	I-type (left housing)	I-type (left housing)	I-type (left housing)	I-type (left housing)
Axle	Thread pitch	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	121	163	166	172	166	172	166
	Hollow axle	X	X	X	X	X	X	X
Average weight		65 g	74 g	75 g	76 g	77 g	78 g	79 g
Note								

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		AX-MT500-148x12	SM-AX58	SM-AX58-B	SM-AX76	SM-AX76-B	SM-AX56	SM-AX56-B
Axle type	135 x 10mm	-	-	-	-	-	-	-
	100 x 12mm	-	-	-	-	-	-	-
	135 x 12mm	-	-	-	-	-	-	-
	142 x 12mm	-	X	-	X	-	X	-
	148 x 12mm	X	-	X	-	X	-	X
Lever position adjust type		I-type (left housing)	I-type (left housing)	I-type (left housing)	Right fixing nut	Right fixing nut	Right fixing nut	Right fixing nut
Axle	Thread pitch	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	172	166	172	171	177	171	177
	Hollow axle	X	X	X	X	X	X	X
Average weight		80 g	81 g	82 g	69 g	71 g	75 g	77 g
Note								

Cycle Computer

Series		CI-DECK
Model no.		SC-CI300
Compatible system		Mechanical
Attachement position		Handle Bar
Battery type		CR2032
Charging for cycle computer		-
Rear speeds		-
Front speeds		-
Number of programable wheel size		1
Wheel size range		20"-22"-24"-26"
Remote switch		-
Communications		Wired
Memory capacity		-
PC software available		-
Detachable		X
Display spec	Size (Active Area)	20 x 20 mm
	Font type	Segment
	Panel type	LCD
	Back light	-
	Touch panel	-
Display function	Gear indicator	-
	Speed	X
	Cadence	-
	Trip distance	-
	Odometer	X
	Heart rate	-
	Power	-
	Time/Clock	X
	Altitude/Slope	-
	Temperature	-
	Lap time	-
	Auto display start	X
Setting function	Display customizing	-
	Unit setting	-
	Language choice	-
	Beep on/off	-
	Changing data sampling rate	-
Note		Use with SM-CI300

Pedal (SPD)

Series	XTR	XTR	XT	XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SAINT
Model no.	PD-M9000	PD-M9020	PD-M8000	PD-M8020	PD-M540	PD-M530	PD-M520	PD-M505	PD-M820
Color 1	Black	Black	Black	Black	Silver	Black	Silver	Silver	Black
Color 2	-	-	-	-	Black	White	Black	Black	-
Color 3	-	-	-	-	-	-	White	-	-
Type	Off-Road(SPD)	Off-Road(SPD)	Trekking (SPD/Flat)	Off-Road(SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road/DH (SPD)
Binding	Dual Sided	Dual Sided	Single Sided	Dual sided	Dual Sided	Dual Sided	Dual Sided	Dual Sided	Dual sided
Cartridge axle	X	X	X	X	X	X	X	-	X
Sealed mechanism	X	X	X	X	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X	X	X	X	X
Pop-up cage	-	-	-	-	-	-	-	-	-
Integrated cage	-	X	-	X	-	X	-	-	X
Offset binding	X	-	-	-	-	-	-	-	-
Oval shape axle body housing	X	X	-	-	-	-	-	-	-
Cleat included	SM-SH51	SM-SH51	SM-SH51	SM-SH51	SM-SH51	SM-SH51	SM-SH51	SM-SH51	SM-SH51
Optional cleat	SM-SH56	SM-SH56	SM-SH56	SM-SH56	SM-SH56	SM-SH56	SM-SH56	SM-SH56	SM-SH56
Reflector	SM-PD60	SM-PD60	Integrated	SM-PD60	SM-PD22	SM-PD60	SM-PD22	SM-PD22	SM-PD60
Average weight (pair)	310 g	379 g	343 g	408 g	352 g	455 g	380 g	443 g	568 g
Note			1.0mm cleat spacer included	1.0mm cleat spacer included					1.0mm cleat spacer included

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	PD-M647	PD-M545	PD-M424	PD-M324	PD-T8000	PD-A600	PD-A530	PD-A520	PD-ED500
Color 1	Black	Silver	Black	Silver	Black	Gray	Silver	Silver	Dark Gray
Color 2	-	-	-	-	-	-	Black	-	-
Color 3	-	-	-	-	-	-	-	-	-
Type	Off-Road/BMX (SPD)	Off-Road/BMX (SPD)	Off-Road/BMX (SPD)	Multi-purpose (SPD/Flat)	Trekking (SPD/Flat)	Road (SPD)	Multi-purpose (SPD/Flat)	Road (SPD)	Road (SPD)
Binding	Dual Sided	Dual Sided	Dual Sided	Single Sided	Single Sided	Single Sided	Single Sided	Single Sided	Dual Sided
Cartridge axle	X	X	X	-	X	X	X	X	X
Sealed mechanism	X	X	X	X	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X	X	X	X	X
Pop-up cage	X	X	X	-	-	-	-	-	-
Integrated cage	-	-	-	-	-	-	-	-	X
Offset binding	-	-	-	-	-	-	-	-	-
Oval shape axle body housing	-	-	-	-	-	-	-	-	-
Cleat included	SM-SH51	SM-SH51	SM-SH51	SM-SH56	SM-SH56	SM-SH51	SM-SH51	SM-SH51	SM-SH56
Optional cleat	SM-SH56	SM-SH56	SM-SH56	SM-SH51	SM-SH51	SM-SH56	SM-SH56	SM-SH56	SM-SH51
Reflector	SM-PD60	SM-PD40	SM-PD40	Y41B98010	Integrated	SM-PD62	SM-PD61	SM-PD59	SM-PD60
Average weight (pair)	568 g	567 g	472 g	533 g	392 g	286 g	383 g	315 g	450 g
Note									Light action

Pedal (CLICK'R)

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	PD-MT50	PD-T421	PD-T400
Color 1	Black	Black	Black
Color 2	-	-	White
Color 3	-	-	-
Type	Recreational use (CLICK'R)	Trekking (CLICK'R)	Trekking (CLICK'R)
Binding	Dual Sided	Single Sided	Dual Sided
Cartridge axle	X	X	X
Sealed mechanism	X	X	X
Cleat retention adjuster	X	X	X
Pop-up cage	X	X	X
Integrated cage	-	-	-
Offset binding	-	-	-
Oval shape axle body housing	-	-	-
Cleat included	SM-SH56	SM-SH56	SM-SH56
Optional cleat	SM-SH51	SM-SH51	SM-SH51
Reflector	SM-PD60	Integrated	Integrated
Average weight (pair)	498 g	418 g	507 g
Note			

Pedal (Flat)

Series	SAINT	DEORE XT	SHIMANO
Model no.	PD-M828	PD-M8040	PD-GR500
Color 1	Black	Black	Black
Color 2	-	-	Silver
Color 3	-	-	-
Type	Off-Road(Flat Pedal)	Off-Road(Flat Pedal)	Off-Road(Flat Pedal)
Binding	-	-	-
Cartridge axle	X	X	X
Sealed mechanism	X	X	X
Cleat retention adjuster	-	-	-
Pop-up cage	-	-	-
Integrated cage	-	-	-
Offset binding	-	-	-
Oval shape axle body housing	-	-	-
Cleat included	-	-	-
Optional cleat	-	-	-
Reflector	SM-PD67	SM-PD67	SM-PD64
Average weight (pair)	477 g	SM : 469/ML : 514 g	535 g
Note	12 pins per platform	10 pins per platform 2 platform size available (SM/ML)	9 pins per platform

Pedal (SPD-SL)

Series	DURA-ACE	ULTEGRA	105	SHIMANO	SHIMANO	SHIMANO
Model no.	PD-R9100	PD-R8000	PD-5800	PD-R550	PD-R540-LA	PD-R540
Color 1	CFRP	CFRP	CFRP	Black	Black	Silver
Color 2	-	-	-	Gray	White	Black
Color 3	-	-	-	-	-	White
Type	Road	Road	Road	Road	Road	Road
Binding	Single Sided	Single Sided	Single Sided	Single Sided	Single Sided	Single Sided
Cartridge axle	-	X	X	X	X	X
Sealed mechanism	X	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X	X
Cleat included	SM-SH12	SM-SH11	SM-SH11	SM-SH11	SM-SH11	SM-SH11
Optional cleat	SM-SH10/SM-SH11	SM-SH10/SM-SH12	SM-SH10/SM-SH12	SM-SH10/SM-SH12	SM-SH10/SM-SH12	SM-SH10/SM-SH12
Reflector	SM-PD63	SM-PD63	SM-PD65	SM-PD65	SM-PD58	SM-PD58
Wide platform	X	X	X	X	-	-
Road clearance	35°	33°	32°	32°	34°	34°
Average weight (pair)	228 g	248 g	285 g	310 g	330 g	330 g
Note	4mm longer axle available Hollow Cleat bolts	4mm longer axle available		Wider spring tension range	Lighter spring tension	

Shifting Switch

Series		XTR	XTR	SHIMANO DEORE XT	SHIMANO DEORE XT
Model no.		SW-M9050-R	SW-M9050-L	SW-M8050-R	SW-M8050-L
Switch type		FIREBOLT	FIREBOLT	FIREBOLT	FIREBOLT
Position		Clamp band, Right	Clamp band, Left	Clamp band, Right	Clamp band, Left
Compatible EW		EW-SD50	EW-SD50	EW-SD50	EW-SD50
Switch QTY		2	2	2	2
E-TUBE connector (QTY)		0	0	0	0
E-TUBE port (QTY)		1	1	1	1
Multiple input	2 step	X	-*(X)	-	-
	Hold	X	-*(X)	X	-*(X)
Suspension switch		-	-**(X)	-	-**(X)
Mount Position adjust		X	X	X	X
Master unit		-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X
Average weight		66 g/pc	66 g/pc	93 g/pc	93 g/pc
Note			*User can use it for RD multishift **User can use it for Suspension control		*User can use it for RD multishift **User can use it for Suspension control

Rear Derailleur

Series		XTR	XTR	SHIMANO DEORE XT
Model no.		RD-M9050-SGS	RD-M9050-GS	RD-M8050-GS
Pulley cage		SGS	GS	GS
Color	1	Series color	Series color	Series color
	2	-	-	-
Rear speeds		11	11	11
Compatible chain		HG-X11	HG-X11	HG-X11
Top-Normal spring type	SHIMANO SHADOW RD+	X	X	X
Mount	Direct attachment (Conventional)	X	X	X
	Direct mount compatible	X*	X*	X*
Max. front difference		18T	10T	10T
Total capacity		41T**	35T**	35T**
Low sprocket	Max.	40T(3x11-speed) 42T(2x11-speed) 46T(1x11-speed)	42T(2x11-speed) 46T(1x11-speed)	42T(2x11-speed) 46T(1x11-speed)
	Min.	40T	40T	40T
Top sprocket	Max.	11T	11T	11T
	Min.	11T	11T	11T
Fluoric coated link bushings		4	4	4
Pulley	G pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	T pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	Teeth	11	11	11
	Sunken type pulley bolt	X	X	X
B-axle	Hollow axle	X	X	X
B-axle 2	Hollow axle	X	X	X
E-TUBE port (QTY)		1	1	1
Average weight		295 g	290 g	319 g
Note		*w/o bracket spec available. ** The DI2 system limits cross chain to prevent a chain from getting loose.	*w/o bracket spec available. ** The DI2 system limits cross chain to prevent a chain from getting loose.	*w/o bracket spec available. ** The DI2 system limits cross chain to prevent a chain from getting loose.

Front Derailleur

Series			XTR	XTR	SHIMANO DEORE XT
Model no.			FD-M9050	FD-M9070	FD-M8070
Color	1		Series color	Series color	Series color
	2		-	-	-
Speeds	Front		3	2	2
	Rear		11	11	11
Compatible chain			HG-X11	HG-X11	HG-X11
Action	TOP SWING		-	-	-
	Down Swing		X	X	X
	SIDE SWING		-	-	-
Mount	Clamp band	28.6 mm	w/ SM-FD905-L,SM-FD905-H	w/ SM-FD905-L,SM-FD905-H	w/ SM-AD905-L,SM-AD905-H
		31.8 mm	w/ SM-FD905-L,SM-FD905-H	w/ SM-FD905-L,SM-FD905-H	w/ SM-AD905-L,SM-AD905-H
		34.9 mm	w/ SM-FD905-L,SM-FD905-H	w/ SM-FD905-L,SM-FD905-H	w/ SM-AD905-L,SM-AD905-H
	With BB plate		-	-	-
	Without BB plate		w/SM-FD905-E	w/SM-FD905-E*	w/SM-AD905-E**
	Direct mount		w/SM-FD905-D	w/SM-FD905-D*	w/SM-AD905-D**
Chain line (mm)			50	48.8*	48.8*
Chain stay angle			66-69	66-69	66-69
Top gear teeth			40T	38-34T	38-34T
Total capacity			18T	10T	10T
Applicable Top-Mid tooth difference			10T	-	-
Link bushings			7	7	7
Master unit			-	-	-
Firmware update by E-TUBE PROJECT			X	X	X
E-TUBE port (pcs)			1	1	1
E-TUBE connector (pcs)			-	-	-
Average weight (pc) (Band type: L size, direct type w/ bolt)			125 g	112 g	134 g
Note				* Compatible with the special crankset which chainline is 3 mm outboard.	* for FC 3 mm outboard spec, 51.8 mm ** Compatible with the special crankset which chainline is 3 mm outboard.

Mount Adapter for Front Derailleur

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-FD905-H	SM-FD905-L	SM-FD905-D	SM-FD905-E
Mount type		High clamp band	Low clamp band	Direct mount	E type mount
Clamp band diameter	28.6 mm	*X	*X	-	-
	31.8 mm	*X	*X	-	-
	34.9 mm	X	X	-	-
Crankset Top gear teeth		40-34T	40-34T	40-34T	40-34T
Average weight		33 g	42.1 g	21.1 g	27.1 g
Note		*W/Multi Clamp Band	*W/Multi Clamp Band	Compatible with the special crankset which chainline is 3 mm outboard.	Compatible with the special crankset which chainline is 3 mm outboard.

System Information Display

Series		SHIMANO	SHIMANO
Model no.		SC-M9051	SC-MT800
Compatible system		E-TUBE system	E-TUBE system
Wireless system***		ANT private*/Bluetooth LE	ANT private*/Bluetooth LE
Attachment position		Handle bar*	Handle bar**
Display detachable		-	-
Adjust button		X	X
Display function***	Gear indicator (Rear)	11	11
	Gear indicator (Front)	1/2/3	1/2/3
	Shifting Mode (Manual/ Synchronized)	X	X
	Suspension Mode	X	X
	Shifting Adjust Mode	X	X
	Battery charge level	X	X
Setting function	Shifting adjust	X	X
For DI2 system	Shifting adjust indicator	X	X
	System diagnosis	X	X
	Charging port for built-in battery	X	X
	Compatible charger	SM-BCR2	SM-BCR2
	SYNCHRONIZED SHIFT mode change	X	X
Master unit		-	-
Firmware update by E-TUBE PROJECT		X	X
E-TUBE port (QTY)		3	3
Average weight		30 g	30 g
Note		*2 Spec of clamp band diameter ø31.8 and ø35.	* ANT private has compatibility with ANT+ cycle computer but not freely open profile **2 Spec of clamp band diameter. ø31.8 and ø35.0 ***Data of list of "Display function" is sent to other digital device by ANT private.

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7051-11	SG-S7051-8	SG-C6061-8R	SG-C6061-8V	SG-C6061-8C	SG-C6061-8D	SG-C6061-8CD
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-	-
Brake Type	Mount Type	CENTER LOCK disc brake	CENTER LOCK disc brake	INTER M	V-BRAKE	Coaster Brake	CENTER LOCK disc brake	Coaster and Special disc brake mount for SM-RTC60
	Recommnended Model	-	-	-	-	-	-	-
Speeds		11-speed	8-speed	8-speed	8-speed	8-speed	8-speed	8-speed
Gear ratio	Total	409%	307%	307%	307%	307%	307%	307%
	1	0.527	0.527	0.527	0.527	0.527	0.527	0.527
	2	0.681	0.644	0.644	0.644	0.644	0.644	0.644
	3	0.770	0.748	0.748	0.748	0.748	0.748	0.748
	4	0.878	0.851	0.851	0.851	0.851	0.851	0.851
	5	0.995	1	1	1	1	1	1
	6	1.134	1.223	1.223	1.223	1.223	1.223	1.223
	7	1.292	1.419	1.419	1.419	1.419	1.419	1.419
	8	1.462	1.615	1.615	1.615	1.615	1.615	1.615
	9	1.667	-	-	-	-	-	-
	10	1.888	-	-	-	-	-	-
	11	2.153	-	-	-	-	-	-
Shifting structure		DI2	DI2	DI2	DI2	DI2	DI2	DI2
Silent clutch		X	X	X	X	X	X	X
Gear change support mechanism		X	X	X	X	X	X	X
Shifting POWER MODULATOR		X	X	X	X	X	X	X
Driving efficiency		High	High	High	High	High	High	High
w/ Left hand dust cap		-	-	-	X	-	-	-
O.L.D. (mm)		135	135	135	135	135	135	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	X	-	-	-	-	-	-
	32H	X	X	-	-	X	X	X
	36H	X	X	X	X	X	X	X
	Others	-	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	-	-
	184	-	-	-	-	-	-	-
	187	X	X	X	X	X	X	X
	193	-	-	-	-	-	-	-
	Others	-	-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	58.3	57.3	58.3
Flange diameter (mm)		104.3	104.3	105.2	105.2	105.2	105.2	105.2
Flange width (mm)	Right	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Left	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		3.15	3.15	3.1	3.1	3.7	3.4	2.7
P.C.D Left/Right. (mm)		92.6	92.6	92.6	92.6	92.6	92.6	92.6
Average weight		1,665 g	1,670 g	1,660 g	1,685 g	2,040 g	1,680 g	2,080 g
Note		.						

Motor Unit

Series	ALFINE
Model no.	MU-S705
Compatible internal geared hub	SG-S7051 SG-C6060 SG-C6061
Compatible speed	11/8-speed
Electric power connector	E-TUBE
Average weight	147 g
Note	

Shifting Switch

Series	ALFINE
Model no.	SW-S705
Lever type	Shifting switch
Right switch	X
Left switch	-
Manual shifting switch	X
Display mode change	-
Shift mode (Auto/Manual) change	-
Auto mode select switch	-
SC integration	-
Electric power connector	E-TUBE
Compatible internal geared hub	SG-S7051 SG-C6060 SG-C6061
Compatible brake lever	BL-S700
Average weight	44 g
Note	

Shifting/Brake Lever

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Model no.		ST-R9150-R	ST-R9150-L	ST-R8050-R	ST-R8050-L	ST-6870	ST-6871	ST-R9160-R	ST-R9160-L	ST-R8060-R	ST-R8060-L
Lever type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER
Shifting lever specifications	Front speeds	-	2	-	2	2	2	SYNCHRONIZED SHIFT	SYNCHRONIZED SHIFT	SYNCHRONIZED SHIFT	SYNCHRONIZED SHIFT
	Rear speeds	11	-	11	-	11	11	Outward (default)	Inward (default)	Outward (default)	Inward (default)
	Remote switch	X	X	X	X	-	-	-	-	-	-
Brake lever specifications	Reach adjust	X	X	X	X	X	X	X	X	X	X
	Clamp band (mm)	23.8/24.2	23.8/24.2	23.8/24.2	23.8/24.2	23.8/24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5
	SLR-EV	X	X	X	X	X	X	X	X	X	X
Master unit		-	-	-	-	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X	X	X	X
E-TUBE port (pcs)		2	2	2	2	4	0	1	1	1	1
E-TUBE connector (pcs)		0	0	0	0	0	2	0	0	0	0
Port for remote sprinter shifter (pcs)		1	1	1	1	2	0	0	0	0	0
Average weight		230 g/pair	230 g/pair	147.5 g	147.5 g	303.2 g/pair	148 g/pair	127 g/pair	127 g/pair	138 g/pair	138 g/pair
Note											

Shifting/Brake Lever (Hydraulic Disc Brake)

Series			DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO
Model no.			ST-R9170-R	ST-R9170-L	ST-R9180-R	ST-R9180-L	ST-R8070-R	ST-R8070-L	ST-R785
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Gray
	2		-	-	-	-	-	-	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever specifications	Front speeds		-	2	-	2	-	2	2
	Rear speeds		11	-	11	-	11	-	11
	Remote switch		-	-	-	-	1	1	-
	Master unit		-	-	-	-	-	-	-
	Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X
	Compatible rear derailleur type		Road 11speed	Road 11speed	Road 11speed	Road 11speed	Road 11speed	Road 11speed	Road 11speed
	Shifting lever position adjust		-	-	-	-	-	-	-
	Multiple input	2 step	-	-	-	-	-	-	-
	Multiple input	Hold	X	X	X	X	X	X	X
	Suspension switch		-	-	-	-	-	-	-
Brake lever specifications	Lever size (Finger)		-	-	-	-	-	-	-
	Brake hose (Kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SS	SM-BH90-JK-SS	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH59SB
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-	White
	Recommended brake caliper		BR-R9170	BR-R9170	BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-R785 BR-RS785
	Brake fluid	SHIMANO Mineral Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Toolless	-	-	-	-	-	-	-
		Tool	X	X	X	X	X	X	X
	Funnel bleeding		X	X	X	X	X	X	X
	Free stroke adjust		X	X	-	-	X	X	X
	SERVOWAVE		-	-	-	-	-	-	X
Clamp band	Open clamp		-	-	-	-	-	-	-
	Inner diameter		23.8-24.2	23.8-24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	23.8-24.2	23.8-24.2	23.8-24.2
Shifter Lever body	Main		CFRP	CFRP	-	-	GFRP	GFRP	GFRP
	Release		-	-	-	-	-	-	-
E-TUBE connector (pcs)			0	0	0	0	0	0	0
E-TUBE port (pcs)			2	2	1	1	2	2	1 (each ST R/L)
Port for remote sprinter shifter (pcs)			0	0	0	0	0	0	0
Average weight			360 g/pair	360 g/pair	114 g	114 g	180 g	180 g	500 g/pair
Note									

Shifting Switch

Series	SHIMANO	DURA-ACE	SHIMANO	SHIMANO	SHIMANO
Model no.	SW-R9150	SW-R9160	SW-R671	SW-R610	SW-R600
Switch type	Option SW, pair	Bar-end SW for TT, pair	Remote Triathlon shifter Current 2 button design	Remote sprinter shifter	Remote satellite shifter (Climbing shifter)
Position	On road Bar	DH Bar	DH Bar	Anywhere	Anywhere
Compatible electric wire	-	-	EW-SD50	-	EW-SD50
Master unit	-	-	-	-	-
Firmware update by E-TUBE PROJECT	X	X	X	X	X
E-TUBE port (pcs)	0	1	0	0	0
E-TUBE connector (pcs)	1	0	2	0	1
Connector for remote sprinter shifter (pcs)	0	0	0	2	0
Port for remote sprinter shifter (pcs)	0	0	0	0	0
Average weight	12 g/pair	31 g/pair	100 g/pair	5.8 g/pair	21 g
Note					

Rear Derailleur

Series		DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		RD-R9150	RD-R8050-SS	RD-R8050-GS	RD-6870-SS	RD-6870-GS	RD-6770-SS
Pulley cage		SS	SS	GS	SS	GS	SS
Rear speeds		11	11	11	11	11	10
Max front difference		16T	16T	16T	16T	16T	16T
Total capacity		33T	35T	39T	33T	37T	33T
Max. low sprocket		30T	30T	34T	28T	32T	28T
Min. low sprocket		25T	25T	28T	23T	28T	23T
Max. top sprocket		11T	14T	12T	14T	12T	12T
Min. top sprocket		11T	11T	11T	11T	11T	11T
Mount	Riveted adapter available	-	-	-	-	-	-
	Direct attachment	X	X*	X*	X	X	X
Fluoric coated link bushing		4	4	4	4	4	4
11T pulley		X	X	X	X	X	X
Sealed bearing guide pulley		X	X	X	X	X	-
Sealed bearing tension pulley		X	X	X	X	X	X
Master unit		-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X
E-TUBE port (pcs)		1	1	1	1	1	1
E-TUBE connector (pcs)		0	0	0	0	0	0
Average weight		204 g	242 g	249 g	257 g	268 g	270 g
Note		w/o bracket spec available	*w/o bracket spec available	*w/o bracket spec available			

Front Derailleur

Series		DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		FD-R9150	FD-R8050	FD-6870-F	FD-6770-F
Color	1	Series color	Series color	Series color	Series color
	2	-	-	-	-
Speeds	Front	2	2	2	2
	Rear	11	11	11	10
Compatible chain		HG-EV 11-speed/HG-X11	HG-EV 11-speed/HG-X11	HG-EV 11-speed/HG-X11	HG 10-speed
Action	TOP SWING	-	-	-	-
	Down Swing	X	X	X	X
Mount	Clamp Band1	-	-	-	-
	Clamp Band2	-	-	-	-
	Clamp Band3	-	-	-	-
	Brazed-On	X	X	X	X
Chain line (mm)		43.5	43.5	43.5	43.5
Chain stay angle		61-66°	61-66°	61-66°	61-66°
Top gear teeth		50-55T	46-53T	46-53T	50-56T
Total capacity		16T	16T	16T	16T
Link bushings		4	2	4	4
Master unit		-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X
E-TUBE port (pcs)		1	1	1	1
E-TUBE connector (pcs)		0	0	0	0
Average weight (pc) (Band type: L size, direct type w/ bolt)		104 g	132 g	138.5 g	160 g
Note					

Front Derailleur (Adapter)

Series		DURA-ACE	DURA-ACE	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-AD91-L	SM-AD91-MS	SM-AD90-L	SM-AD90-M	SM-AD90-MS
Clamp band diameter	28.6 mm	-	X*	-	-	X*
	31.8 mm	-	X	-	X	X
	34.9 mm	X	-	X	-	-
Note			*W/Multi Clamp Band		*W/Multi Clamp Band	*W/Multi Clamp Band

Shifting/Brake Lever (Hydraulic Disc Brake)

Series			METREA	METREA
Model no.			ST-U5080-R	ST-U5080-L
Color	1		U5000 series Silver & Gray	U5000 series Silver & Gray
	2			
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shifting lever specifications	Front speeds		-	2
	Rear speeds		11	-
	Remote switch		-	-
	Master unit		-	-
	Firmware update by E-TUBE PROJECT		X	X
	Compatible front derailleur type		-	FD-6870
	Compatible rear derailleur type		Road 11-speed	Road 11-speed
	Shifting lever position adjust		-	-
	Multiple input	2 step	-	-
		Hold	X	X
	Suspension switch		-	-
Brake lever specifications	Lever size (Finger)		2.5	2.5
	Brake hose (Kit)		SM-BH59 -JK-SS	SM-BH59 -JK-SS
	Hose joint		Straight	Straight
	Brake hose color (kit)	1	Black	Black
		2	-	-
	Recommended brake caliper		BR-U5000	BR-U5000
	Brake fluid	SHIMANO Mineral Oil	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Toolless	-	-
		Tool	X	X
	Funnel bleeding		X	X
	Free stroke adjust		-	-
	SERVOWAVE		-	-
Clamp band	Open clamp		-	-
	Inner diameter		29.8-30.2	29.8-30.2
Shifter Lever body	Main		-	-
	Release		-	-
E-TUBE connector (pcs)			1	1
E-TUBE port (pcs)			0	0
Port for remote sprinter shifter (pcs)			0	0
Average weight			-	-
Note			-	-

Shifting Switch

Series	METREA	METREA
Model no.	SW-U5050-R	SW-U5050-L
Switch type	Flat handle bar	Flat handle bar
Position	Outside of BL on FHB	Outside of BL on FHB
Compatible electric wire	EW-SD50	EW-SD50
Master unit	-	-
Firmware update by E-TUBE PROJECT	X	X
E-TUBE port (pcs)	0	0
E-TUBE connector (pcs)	1	1
Connector for remote sprinter shifter (pcs)	0	0
Port for remote sprinter shifter (pcs)	0	0
Average weight	-	-
Note	-	-

Rear Derailleur

Series		METREA
Model no.		RD-U5050-SS
Pulley cage		SS
Rear speeds		11
Max front difference		14T
Total capacity		35T
Max. low sprocket		32T
Min. low sprocket		28T
Max. top sprocket		12T
Min. top sprocket		11T
Mount	Riveted adapter available	-
	Direct attachment	X
Fluoric coated link bushing		4
11T pulley		X
Sealed bearing guide pulley		X
Sealed bearing tension pulley		X
Master unit		-
Firmware update by E-TUBE PROJECT		X
E-TUBE port (pcs)		1
E-TUBE connector (pcs)		0
Average weight		-
Note		-

Front Derailleur

Series		METREA
Model no.		FD-U5050
Color	1	U5000 series Silver & Gray
	2	
Speeds	Front	2
	Rear	11
Compatible chain		HG-EV 11-speed/ HG-X11
Action	TOP SWING	-
	Down Swing	x
Mount	Clamp Band1	-
	Clamp Band2	-
	Clamp Band3	-
	Brazed-On	x*
Chain line (mm)		43.5
Chain stay angle		61-66°
Top gear teeth		46T
Total capacity		14T
Link bushings		4
Master unit		-
Firmware update by E-TUBE PROJECT		X
E-TUBE port (pcs)		1
E-TUBE connector (pcs)		0
Average weight		-
Note		* recommend cramp adaptor SM-AD91

System Information Display

Series		SHIMANO
Model no.		SC-UR500
Compatible system		EW-SD50
Wireless system		ANT private*/ANT+ (as both Master & Slave)/Bluetooth®LE (only as Slave)
Attachment position		Handle bar (ø31.8 mm)
Display detachable		-
Adjust button		x
Display function	Gear indicator (Rear)	11
	Gear indicator (Front)	1/2
	Shifting Mode (Manual/ Synchronized)	X
	Suspension Mode	-
	Shifting Adjust Mode	X
	Battery charge level	X
Setting function	Shifting adjust	X
For DI2 system	Shifting adjust indicator	X
	System diagnosis	X
	Charging port for built-in battery	X
	Compatible charger	SM-BCR2
	SYNCHRONIZED SHIFT mode change	X
Master unit		-
Firmware update by E-TUBE PROJECT		X
E-TUBE port (QTY)		3
Average weight		-
Note		* ANT private has compatibility with ANT+ cycle computer but not freely open profile. Data list of "Display function" is sent to other digital device by ANT private.

Electric Wire

Series	SHIMANO	SHIMANO
Model no.	EW-SD50	EW-SD50-I
Type	For External routing	For Built-in routing
Compatible system	E-TUBE system	E-TUBE system
E-TUBE port (QTY)	0	0
E-TUBE connector (QTY)	2	2
Note	Cable length 150-1,600 mm* *1,600 mm is for E-BIKE usage only	Cable length 150-1,600 mm* *1,600 mm is for E-BIKE usage only

Cord Cover

Series	SHIMANO
Model no.	SM-EWC2
Specification	Long/Short
Color 1	Black
Color 2	White
Compatible electric wire	EW-SD50
Note	

Grommet

Series	SHIMANO	SHIMANO
Model no.	SM-GM01	SM-GM02
Compatible electric wire	EW-SD50	EW-SD50
Hole dimension on frame	6 mm circle	7 x 8 mm
Note		

Wireless Unit

Series		SHIMANO	SHIMANO
Model no.		EW-WU111	EW-WU101
Wireless system		ANT private* Bluetooth®LE	ANT private* Bluetooth®LE
Master unit		-	-
Firmware update by E-TUBE PROJECT		X	X
E-TUBE port (pcs)		2	2
E-TUBE connector (pcs)		0	0
Compatible system		Bluetooth®LE corresponding master unit	Bluetooth®LE corresponding master unit
Function**	Gear position	X	X
	DI2 Battery level	X	X
	Adjust mode display	X	X
	Suspension mode	X	X
	Shift mode	X	X
Average weight		-	-
Note		* ANT private has compatibility with ANT+ cycle computer but not freely open profile ** Display function depends on the specification of cycle computer.	* ANT private has compatibility with ANT+ cycle computer but not freely open profile ** Display function depends on the specification of cycle computer.

Junction-A

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		EW-RS910	EW-RS910	SM-EW90-A	SM-EW90-B
Type		Built-in type Junction-A w/Frame type adapter	Built-in type	External type	External type
Position		in side the road frame	In side of frame or handle	Under stem	Under stem
Wireless system		-	-	-	-
Compatible system		E-TUBE	E-TUBE	E-TUBE	E-TUBE
Compatible electric wire		EW-SD50	EW-SD50	EW-SD50	EW-SD50
Master unit		-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X
E-TUBE port (QTY)		2	2	3	5
E-TUBE connector (QTY)		0	0	0	0
Connector for remote sprinter shifter (QTY)		0	0	0	0
Port for remote sprinter shifter (QTY)		0	0	0	0
Charging port (QTY)		1	1	1	1
Function	Gear position	X	X	X	X
	DI2 Battery level	X	X	X	X
	Adjust mode display	X	X	X	X
	E-TUBE connection	X	X	X	X
Average weight		11 g	11 g	10 g	13 g
Note					

Junction-B

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-JC200	EW-JC130-SS	EW-JC130-SM	EW-JC130-MM	SM-JC41	SM-JC40
Type	2 ports junction	Y-split routing-SS	Y-split routing-SM	Y-split routing-MM	Junction B	Junction B
Master unit	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-	-	-	-
E-TUBE port (pcs)	2	0	0	0	4	4
E-TUBE connector (pcs)	0	3	3	3	0	0
Average weight	-	-	-	-	4.1 g	8.6 g
Note		Cable length 250 mm 350 mm 50 mm	Cable length 450 mm 350 mm 50 mm	Cable length 550 mm 550 mm 50 mm	For built-in type	For External spec (fixed on frame with screw)

Battery

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	BT-DN110-1	BT-DN110-2	BT-DN110-3	SM-BTR1 type1	SM-BTR1 type2
Type	Built-in battery	Built-in battery	Built-in battery	External	External
Chemistry	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Rated voltage (V)	7.4	7.4	7.4	7.4	7.4
Rated capacity (Ah)	0.5	0.5	0.5	0.5	0.5
Rated capacity (Wh)	3.7	3.7	3.7	3.7	3.7
Compatible charger	SM-BCR2	SM-BCR2	SM-BCR2	SM-BCR1	SM-BCR1
Master unit	X	X	X	-	-
Firmware update by E-TUBE PROJECT	X	X	X	-	-
E-TUBE port (pcs)	1	1	1	-	-
E-TUBE connector (pcs)	0	0	0	0	0
Average weight	50 g	50 g	50 g	70 g	70 g
Note	With recycle mark	Without recycle mark	For Korean market	With recycle mark	Without recycle mark

Battery Mount

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	BM-DN100-S	BM-DN100-L	BM-DN100-I
Specification	Short size battery mount	Long size battery mount	Long size battery mount
Wire routing	External/ Internal	External	Internal
Master unit	X	X	X
Firmware update by E-TUBE PROJECT	X	X	X
E-TUBE port (pcs)	1	1	1
E-TUBE connector (pcs)	0	0	0
Note	-	-	-

Battery Case

Series		SHIMANO
Model no.		SM-BTC1
Specification	w/junction	X*
	w/o junction	X
Mount		Bolt on bottle cage mounting thread
Junction	E-TUBE port (pcs)	6*
	E-TUBE connector (pcs)	0*
	Compatible battery	BT-DN110
	Compatible EW	EW-SD50
	Battery charging port	-
Note		* W/junction spec include one special cable for connecting battery and junction

Battery Charger

Series	SHIMANO	SHIMANO
Model no.	SM-BCR2	SM-BCR1
Compatible battery	BT-DN110	SM-BTR1
Charging cord	Including SM-BCR2	SM-BCC1
Note	PC linkage device with limited function	

Battery Cable

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BCC1-1	SM-BCC1-2	SM-BCC1-3	SM-BCC1-4	SM-BCC1-5	SM-BCC1-6	SM-BCC1-7	SM-BCC1-8	SM-BCC1-9	SM-BCC1-10	SM-BCC1-11	SM-BCC1-12
Plug type	Type C	Type A	Type A	Type O	Type A	Type BF	Type C	Type A	Type B3L	Type O	Type C	Type C
Typical example country/ Region	Europe	USA Canada	Japan	Australia New Zealand	China	U.K	Korea	Taiwan	South-Africa	Argentina	Israel	Brazil
Rated power input (V)	220/230	120	100	240	220	230/240	220	110	220/230	220	230	127/220
Cable length (m)	1	2	1	1	1	1	1	1	1	1	1	1
Note												

PC Linkage Device

Series	SHIMANO
Model no.	SM-PCE1
PC Link cable	Including SM-PCE1
Note	

Cycle Computer

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		SC-E8000	SC-E6010	SC-E6000
Color	1	Standard	Black	Gray
	2	-	-	-
	3	-	-	-
Mount position	Center on handlebar	X	X	X
Master unit		-	-	-
Wireless system		ANT private/Bluetooth LE	-	-
Firmware update by E-TUBE PROJECT		X	X	X
E-TUBE port (pcs)		4	3	3
E-TUBE connector (pcs)		0	0	0
Back Light		X	X	X
LCD size (inch)		1.6	2.7	1.85
Beep		X	X	X
Display Detachable		-	X	X
Display Change Button		X	-	-
Reset button		-	-	-
Inside battery		X	X	X
System on/off button		-	X	-
Light on/off button		-	X	-
Auto Start & Auto Stop		-	-	-
Contents of Display	Clock	X	X	X
	Assist mode display	X	X	X
	Battery charge level	*** X	X	X
	Current Speed	X	X	X
	Gear Position Display	*, *** X (11-speed)	* X (8/11-speed)	* X (8/11-speed)
	Start mode	-	X	X
	Automatic shift mode	-	X	X
	Maximum speed	** X	** X	** X
	Average speed	** X	** X	** X
	Trip distance	X	X	X
	Trip time	** X	** X	** X
	Odometer	X	X	X
	Estimated range	X	X	X
	Range overview	-	X	X
	Assist power indicator	X	X	-
	Error Message	X	X	X
	Cadence	X	**** X	-
	Human Out put Power	-	**** X	-
	Calorie	-	**** X	-
Setting menu	Trip Distance reset	X	X	X
	Odometer reset	-	-	-
	Setting clear	-	X	X
	Clock adjustment	X	X	X
	Start mode	-	X	X
	Back light on/off	-	X	X
	Light on/off	X	-	-
	Back light brightness	X	X	-
	Beep on/off	X	X	X
	Unit (km/mile)	X	X	X
	Font color	-	X	-
	Adjusting for shift	*, *** X	* X	* X
	Adjusting for auto shift timing	-	* X	* X
	RD Protection Reset	*, *** X	* X	-
	Bluetooth LE pairing	X	-	-
	Bluetooth LE/ANT connection status	X	-	-
Language	English	X	X	X
	German	X	X	X
	Dutch	X	X	X
	French	X	X	X
	Spanish	X	X	X
	Italian	X	X	X
Note		2 Spec of clamp band diameter: 31.8 and ø35.0 * In case of SEIS ** Option by E-TUBE PROJECT *** Data of list of "Display function" is sent to other digital device by ANT private.	* In case of SEIS ** Option by E-TUBE PROJECT **** In case of using with DU-E8000	* In case of SEIS ** Option by E-TUBE PROJECT

Switch Unit

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SW-E8000-L	SW-E6010-L	SW-E6010-R	SW-E6000	SW-E6000
Switch Type		FIREBOLT	-	-	-	-
Color	1	Standard	Standard	Standard	Gray	Gray
	2	-	-	-	Black	Black
	3	-	-	-	-	-
Usage		For assist	For assist	For SEIS shift	For assist	* For SEIS shift
Right SW		-	-	X	-	X
Left SW		X	X	-	X	-
Switch numbers (pcs)		2	3	3	3	3
Master unit		-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X
E-TUBE port (pcs)		1	0	0	0	0
E-TUBE connector (pcs)		0	1	1	1	1
System On-Off		-	-	-	-	-
Assist Mode Change		X	X	-	X	-
Display change		-	X	X	X	* X
Automatic/Manual Change		-	-	X	-	* X
Light On-Off		-*	* X	-	* X	-
Multiple input	2 step	-	-	-	-	* X
	Hold	-	-	** X	-	-
Note		* By Setting Menu	* Set by E-TUBE PROJECT	** Available for RD	* Set by E-TUBE PROJECT	* Set by E-TUBE PROJECT

Drive Unit

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		DU-E8080	DU-E8000	DU-E6002	DU-E6012	DU-E6001	DU-E6010	DU-E6050
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	Gray	-	Gray	-	Gray
	3	-	-	-	-	-	-	-
Compatible Brake type		Disc brake	Disc brake, V-BRAKE	V-BRAKE, Roller brake, Disc brake	Coaster brake	V-BRAKE, Roller brake, Disc brake	Coaster brake	V-BRAKE, Roller brake, Disc brake
Motor type		Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor
Position		Mid ship	Mid ship	Mid ship	Mid ship	Mid ship	Mid ship	Mid ship
Compatible Wheel Size (mm)		* 1,300-3,000	* 1,300-3,000	* 1,300-2,400	* 1,300-2,400	* 1,300-2,400	* 1,300-2,400	* 1,300-2,400
Maximum Rated Power (Watt)		250	250	250	250	250	250	250
Maximum torque (Nm)		70	70	50	50	50	50	50
Rated Voltage		DC 36V	DC 36V	DC 36V	DC 36V	DC 36V	DC 36V	DC 36V
DI2 compatible	IHG	-	-	* X	* X	* X	* X	* X
	RD	* X	* X	* X	-	-	-	-
Light off road compatible	IHG	-	-	* X	-	-	-	-
	RD	-	-	* X	-	* X	-	* X
Maximum support bike speed	24 km/h	X	-	-	-	-	-	-
	25 km/h	-	* X	* X	* X	X	X	-
	20 mph	-	* X	* X	* X	-	-	X
	Other	-	-	-	-	-	-	-
Riding Characteristics setting	Dynamic	-	* X	-	-	-	-	-
	Explorer	-	* X	-	-	-	-	-
	Customize	-	* X	-	-	-	-	-
Assist pattern Setting	Light off-road	-	-	* X	* X	* X	-	-
	Comfort	X	-	* X	* X	* X	X	X
Maximum assist ratio (%)	BOOST	-	X	-	-	-	-	-
	HIGH	X	-	230	230	230	230	230
	TRAIL	-	X	-	-	-	-	-
	NORMAL	X	-	150	150	150	150	150
	ECO	X	X	70	70	70	70	70
Power supply for front light		DC 6V	DC 6V	DC 6V	DC 6V	**** DC 6V	**** DC 6V	**** DC 6V
Power supply for rear light		DC 6V	DC 6V	DC 6V	DC 6V	**** DC 6V	**** DC 6V	**** DC 6V
Maximum current supply front and rear light total (A)		2	2	2	2	1	1	1
Safe way home function		X	X	X	X	X	X	X
Communication		E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE
Master unit		X	X	X	X	X	X	X
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X
E-TUBE port (pcs)		2	2	2	2	2	2	2
E-TUBE connector (pcs)		0	0	0	0	0	0	0
Port for Light (pcs)		0	0	0	0	2	2	2
Terminal for Light (pcs)		1	1	1	1	0	0	0
Port for Speed Sensor (pcs)		1	1	1	1	1	1	1
Chain case compatible		-	-	X	X	X	X	X
Chain Device compatible		X	X	-	-	-	-	-
Torque sensor		X	X	X	X	X	X	X
Crank arm position sensor		X	X	X	X	X	X	X
Bike speed sensor		** X	** X	** X	** X	X	X	X
Cadence sensor		X	X	X	X	X	X	X
Walk assist function	On/Off	-	X	* X	* X	-	-	-
	Standard	-	X	X	X	X	X	X
	Intelligent	-	*** X	-	-	-	-	-
	Quick	-	X	X	X	-	-	-
Automatic shift	IHG 11s	-	-	-	-	-	-	-
	IHG 8s	-	-	X	X	X	X	X
	RD	-	-	-	-	-	-	-
SYMPHOMATIC	IHG	-	-	X	X	X	X	X
	RD	-	-	-	-	-	-	-
Compatible BB type		24 mm Axle Serration	24 mm Axle Serration	Square type	Square type	Square type	Square type	Square type
DU fixing bolt (pcs)		-	-	-	-	-	-	-
Note		* Set by E-TUBE PROJECT ** By using SM-DUE11	* Set by E-TUBE PROJECT ** By using SM-DUE10/ SM-DUE11 *** By using RD-M9050/RD-M8050	* Set by E-TUBE PROJECT ** By using SM-DUE10/ SM-DUE11	* Set by E-TUBE PROJECT ** By using SM-DUE10	* Set by E-TUBE PROJECT **** By using SM-DUE01	* Set by E-TUBE PROJECT **** By using SM-DUE01	* Set by E-TUBE PROJECT **** By using SM-DUE01 Speed Limit: 20 mph

Drive Unit Cover

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-DUE80-A	SM-DUE80-B	SM-DUE60	SM-DUE60-45	SM-DUE60-A	SM-DUE60-45A
Color	1	Gray	Gray	Gray	Gray	Gray	Gray
	2	-	-	Black	Black	Black	Black
	3	-	-	-	-	-	-
Cover	Right	X	X	X	X	X	X
	Left	X	X	-	-	-	-
Available DU angle		0-60 degree	0-60 degree	0 degree	45 degrees	0 degree	45 degrees
Note		Standard cover	Mount bolt cover			For internal cable routing	For internal cable routing

Speed Sensor Unit

Series		SHIMANO	SHIMANO
Model no.		SM-DUE11	SM-DUE10
Brake Spec	Disc	X	X
	Rim	-	X
Color	1	Standard	Standard
	2	-	-
	3	-	-
Cable Length(mm)	340	-	X
	540	-	X
	760	X	-
	1400	-	X
Note		-	-

Disc Brake Rotor

Series		SHIMANO	SHIMANO
Model no.		RT-EM900	RT-EM800
CENTER LOCK		X	X
6-bolt (P.C.D. 44mm)		-	-
ICE TECHNOLOGIES		X	X
ICE TECHNOLOGIES FREEZA		X	-
Outside diameter	203 mm	-	-
	180 mm	X*	X*
	160 mm	X*	X*
	140 mm	-	-
Alloy lock ring		X	X
Pad compatibility	Metal	X	X
	Resin	X	X
Average weight* *W/O lock ring		-	-
Note		* for rear only with Magnet Bracket	* for rear only with Magnet Bracket

Adapter for Light

Series		SHIMANO	SHIMANO
Model no.		SM-DUE01	SM-DUE01
Color	1	Standard	Standard
	2	-	-
	3	-	-
Type		For DC light	For DC light
Cables for lights	With	*X	-
	Without	-	X
Front light		X	X
Rear light		X	X
Water proof connector		DU side	DU side
Wire holder		-	-
Note		*Cable length: 1600 mm	

Crankarm

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-E8050	FC-E8000	FC-E6010	FC-E6000
Color	1	Standard	Standard	Black	Gray
	2	-	-	Gray	Black
	3	-	-	-	-
Crank arm type	HOLLOWTECH	X	-	-	-
	Solid	-	X	X	X
Q factor (mm)		177	177	213	189.6
Chain case compatible		-	-	X	X
Crank arm length (mm)	175	X	X	X	X
	170	X	X	X	X
	Others	-	-	-	-
BB Type		24 mm Axle Serration	24 mm Axle Serration	Square type	Square type
Note					

Chainring

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-CRE80-B	SM-CRE80	SM-CRE80	SM-CRE60	SM-CRE60	SM-CRE60
Color	1	Standard	Standard	Standard	Black/Silver	Black/Silver	Black/Silver
	2	-	-	-	Black/Gray	Black/Gray	-
	3	-	-	-	-	-	-
Gear speed		1	1	1	1	1	1
Rear speed	11-speed	*X	*X	*X	X	-	-
	10-speed	*X	*X	*X	X	-	-
	9-speed	-	-	-	X	-	-
	Single	-	-	-	X	X	X
DYNAMIC CHAIN ENGAGEMENT+		X	X	-	-	-	-
Chain ring teeth	44T	-	-	X	X	X	X
	38T	X	X	-	X	X	X
	34T	X	X	-	-	-	-
	Others	-	-	-	-	-	-
Chain guard type	Double	-	-	X	X	-	-
	Single	-	-	-	-	X	-
	W/O CG	X	X	-	-	-	X
Chain ring fixing lock nut		Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit
Chain ring cover outer diameter (mm)		-	-	-	-	-	95.5
Chain case compatible		-	-	-	-	X	X
Chain line (mm)	53	X	-	-	-	-	-
	50	-	X	X	-	-	-
	46.5	-	-	-	X	X	X
P.C.D. (mm)		104	104	104	-	-	-
Gear arms		4 arm	4 arm	4 arm	-	-	-
Note		*E-BIKE RD system compatible chain	*E-BIKE RD system compatible chain	*E-BIKE RD system compatible chain			

Chain Device

Series		SHIMANO	SHIMANO
Model no.		SM-CDE80	SM-CDE80
Color	1	Standard	Standard
	2	-	-
	3	-	-
Chain Line (mm)	53	X	X*
	50	-	X*
Chain compatibility	11-Speed	X	X
	10-Speed	X	X
Top Gear Teeth	38T	X	X
	34T	X	X
Assumed Rear Sprocket Teeth	11-36	X	X
	11-40	X	X
	11-42	X	X
	11-46	X	X
Direct Mount to Drive Unit		X	-
Compatible Drive Unit		DU-E8000	DU-E8000
Rear suspension stroke(mm)		0-170	0-170
Note		w/ plate	1.w/o plate 2.X* means 53 mm frame or 50 mm frame

Battery

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BT-E8010	BT-E8020	BT-E6001	BT-E6000	BT-E6010	BT-E8010	BT-E6010
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	Gray	Gray	Gray	-	-
	3	-	-	-	-	-	-	-
Chemistry		Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Position		Down tube	Down tube	Rear carrier	Rear carrier	Down tube	Down tube	Down tube
Rated voltage (V)		36	36	36	36	36	36	36
Rated capacity (Ah)		14	14	14	11.6	11.6	13	10.9
Rated capacity (Wh)		504	504	504	418	418	504	418
Cyclelife span for charge (times)		1000 (more than 60%)	1000 (more than 60%)	1000 (more than 60%)	1000 (more than 60%)	1000 (more than 60%)	1000 (more than 60%)	1000 (more than 60%)
Time to charge (hour)		*5	*5	*5	*4	*4	*5	*4
Charge level display		X	X	X	X	X	X	X
Error signal		X	X	X	X	X	X	X
Charging port		X	X	-	-	-	X	-
Tail light/Reflector integration		-	-	-	-	-	-	-
System on/off switch		X	X	X	X	X	X	X
Compatible battery mount		BM-E8010	BM-E8020	BM-E6000	BM-E6000	BM-E6000	BM-E8010	BM-E6000
Compatible charger		EC-E6000	EC-E6000	EC-E6000	EC-E6000	EC-E6000	EC-E6000-3 (for Japan)	EC-E6000-3 (for Japan)
Note		*By EC-E6000	*By EC-E6000	*By EC-E6000	*By EC-E6000	*By EC-E6000	For Japan * By EC-E6000-3	For Japan * By EC-E6000-3

Battery Mount

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BM-E8010	BM-E8020	BM-E6000-A	BM-E6000-B	BM-E6010
Color	1	Black	Black	Black	Black	Black
	2	-	-	Gray	Gray	-
	3	-	-	-	-	-
Position		Down tube	Down tube	Rear carrier	Rear carrier	Down tube
Charging port		-	-	* X	* X	* X
Lock system		X	X	-	-	-
Key hole		X	X	X	X	X
System on/off switch		-	-	-	-	-
Battery cable		X	X	X	X	X
Battery cable length	250	X	X	-	-	X
	300	X	-	-	-	X
	400	-	X	-	-	-
	600	X	-	-	-	X
	900	-	-	-	-	-
	920	-	-	X	X	-
	1000	-	-	-	-	-
	1020	-	-	X	X	-
Compatible battery		BT-E8010	BT-E8020	BT-E6000/BT-E6001	BT-E6000/BT-E6001	BT-E6010
Note			-	*By EC-E6000	*By EC-E6000	*By EC-E6000

Battery Charger

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		EC-E6000-1	EC-E6000-2	EC-E6000-3	EC-E6000-4	EC-E6000-6	EC-E6000-7
Color	1	Standard	Standard	Standard	Standard	Standard	Standard
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Typical example country/Region		Europe	USA/Canada	Japan	Australia / New Zealand	UK	Korea
Compatible battery		BT-E6000/BT-E6001/ BT-E6010 BT-E8010/BT-E8020	BT-E6000/BT-E6001/ BT-E6010 BT-E8010/BT-E8020	BT-E6010 (for Japan) BT-E8010 (for Japan)	BT-E6000/BT-E6001/ BT-E6010 BT-E8010/BT-E8020	BT-E6000/BT-E6001/ BT-E6010 BT-E8010/BT-E8020	BT-E6000/BT-E6001/ BT-E6010 BT-E8010/BT-E8020
Compatible battery mount		BM-E6000/BM-E6010	BM-E6000/BM-E6010	BM-E6000/BM-E6010	BM-E6000/BM-E6010	BM-E6000/BM-E6010	BM-E6000/BM-E6010
Compatible voltage		AC100V-240V 50-60Hz	AC100V-240V 50-60Hz	AC100V 50-60Hz	AC100V-240V 50-60Hz	AC100V-240V 50-60Hz	AC100V-240V 50-60Hz
CE standard		X	X	X	X	X	X
UL standard		X	X	X	X	X	X
Korea standard		-	-	-	-	-	X
Time to full charge (hour)		*4/**5	*4/**5	*4/**5	*4/**5	*4/**5	*4/**5
Time to 80% charge (hour)		*2/**2.5	*2/**2.5	*2/**2.5	*2/**2.5	*2/**2.5	*2/**2.5
Charging Level Display		-	-	-	-	-	-
Plug in charging type		X	X	X	X	X	X
Charging temperature		0-40°C	0-40°C	0-40°C	0-40°C	0-40°C	0-40°C
Storage temperature		-20-60°C	-20-60°C	-20-60°C	-20-60°C	-20-60°C	-20-60°C
Error signal		X	X	X	X	X	X
Adapter for battery connecter		X	X	X	X	X	X
Compatible AC power cable		-	-	-	-	-	-
Built in AC cable		X	X	X	X	X	X
Built in AC cable length (m)		1	2	1	1	1	1
Note		* In case of BT-E6000 & BT-E6010 ** In case of BT-E6001, BT-E8010 & BT-E8020	* In case of BT-E6000 & BT-E6010 ** In case of BT-E6001, BT-E8010 & BT-E8020	* In case of BT-E6010 (for Japan) ** In case of BT-E8010 (for Japan)	* In case of BT-E6000 & BT-E6010 ** In case of BT-E6001, BT-E8010 & BT-E8020	* In case of BT-E6000 & BT-E6010 ** In case of BT-E6001, BT-E8010 & BT-E8020	* In case of BT-E6000 & BT-E6010 ** In case of BT-E6001, BT-E8010 & BT-E8020

DI2 Adapter

Series	SHIMANO	SHIMANO
Model no.	EW-EX010	EW-EX020
Type of DI2 component	Master unit	Master unit
E-TUBE connector QTY	-	-
E-TUBE port QTY	2	2
Compatible EW	EW-SD50	EW-SD50
Note	DI2 adapter B (for BOSCH ebike system)	DI2 adapter A (for Panasonic ebike system)

Drivetrain for MTB components

Rear drivetrain compatibility [MTB] ---------- 425-427
Front drivetrain compatibility [MTB] ---------- 428-431

Drivetrain for ROAD bike/URBAN SPORT components

Rear drivetrain compatibility [ROAD, URBAN SPORT] ---------- 432-433
Front drivetrain compatibility [ROAD, URBAN SPORT] ---------- 434-435
Brake systems compatibility [ROAD] ---------- 436
Hydraulic systems compatibility [ROAD] ---------- 437
Hydraulic systems compatibility [URBAN SPORT] ---------- 437

Electronic product information

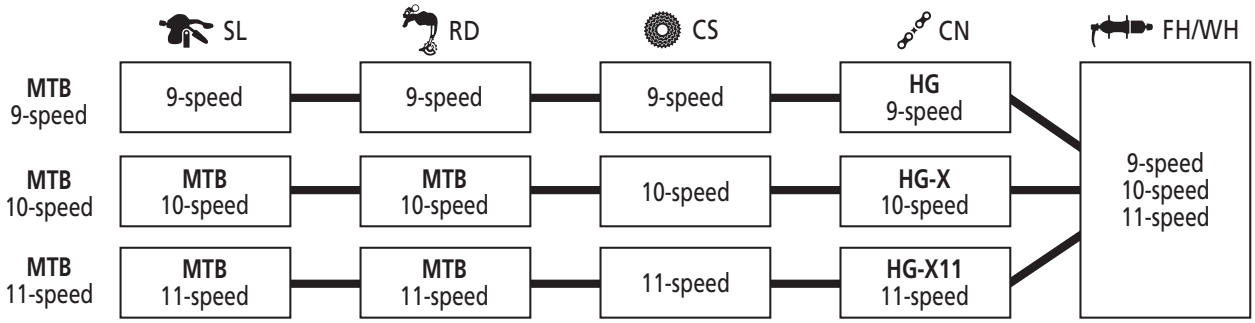
E-TUBE compatibility chart ---------- 438-439

COMPATIBILITY

Drivetrain for MTB components

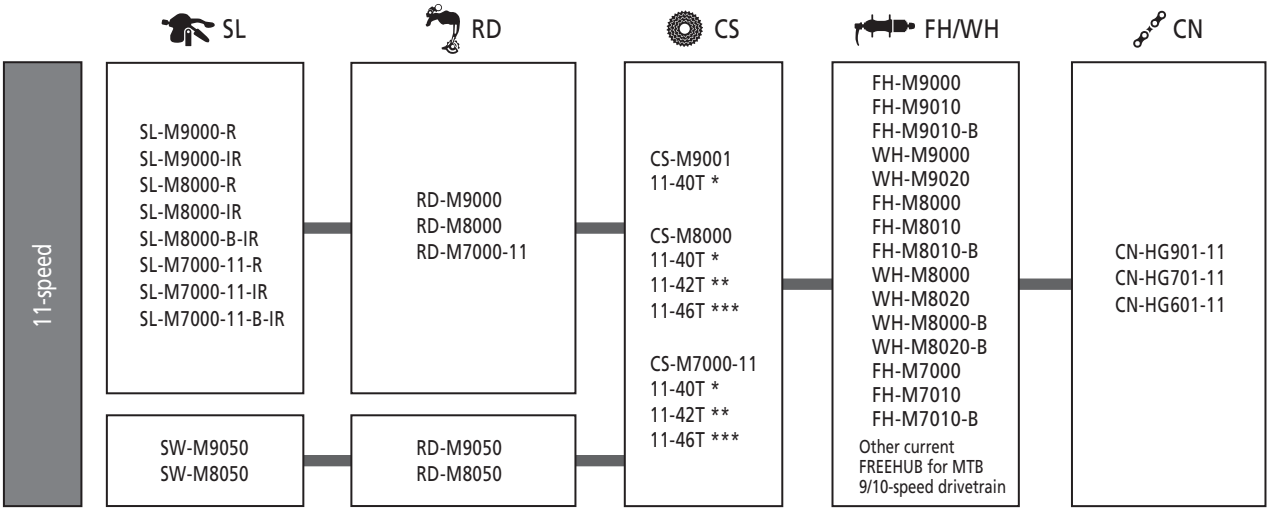
Rear drivetrain compatibility [MTB]

9,10,11-speed rear drivetrain compatibility



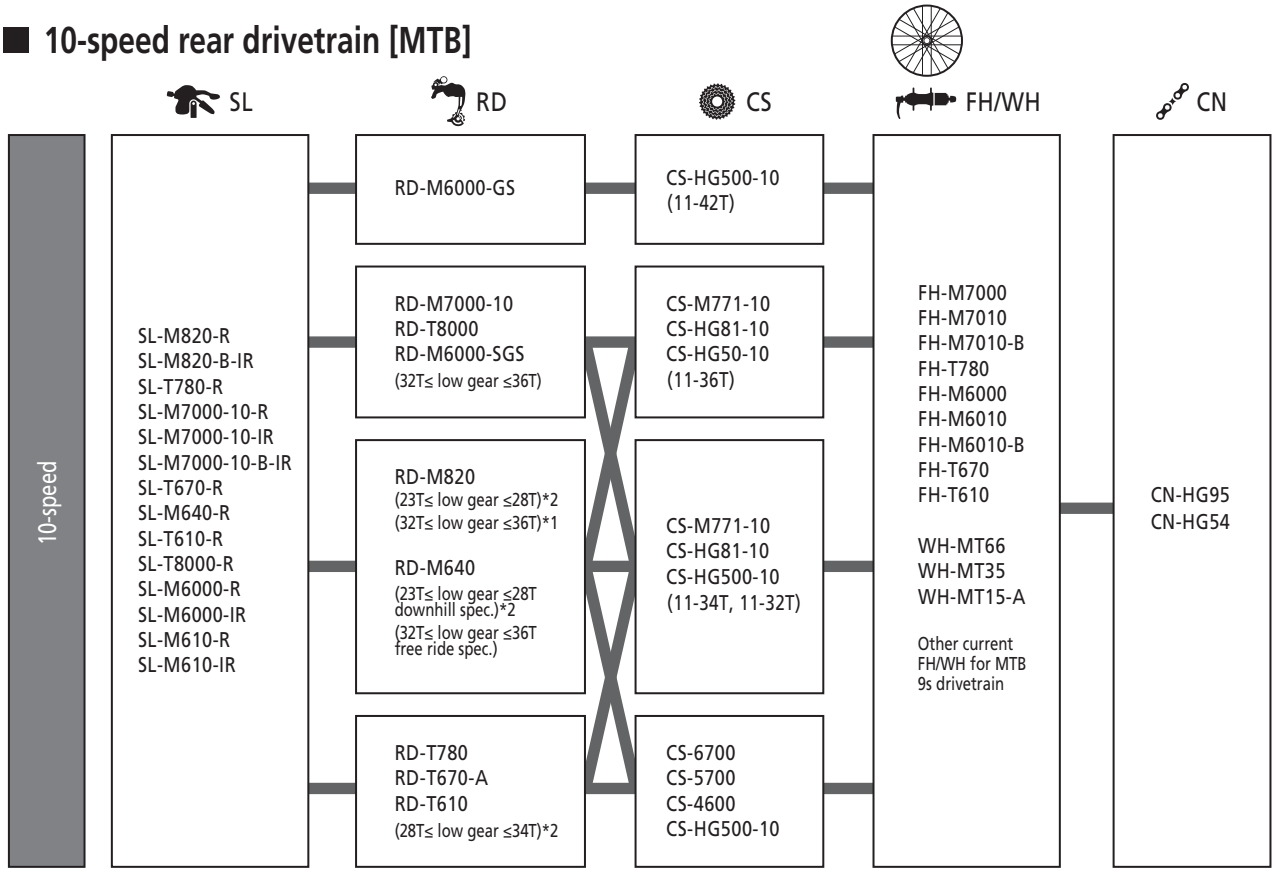
11-speed rear drivetrain [MTB]

XTR M9000/DEORE XT M8000/SLX M7000 Series



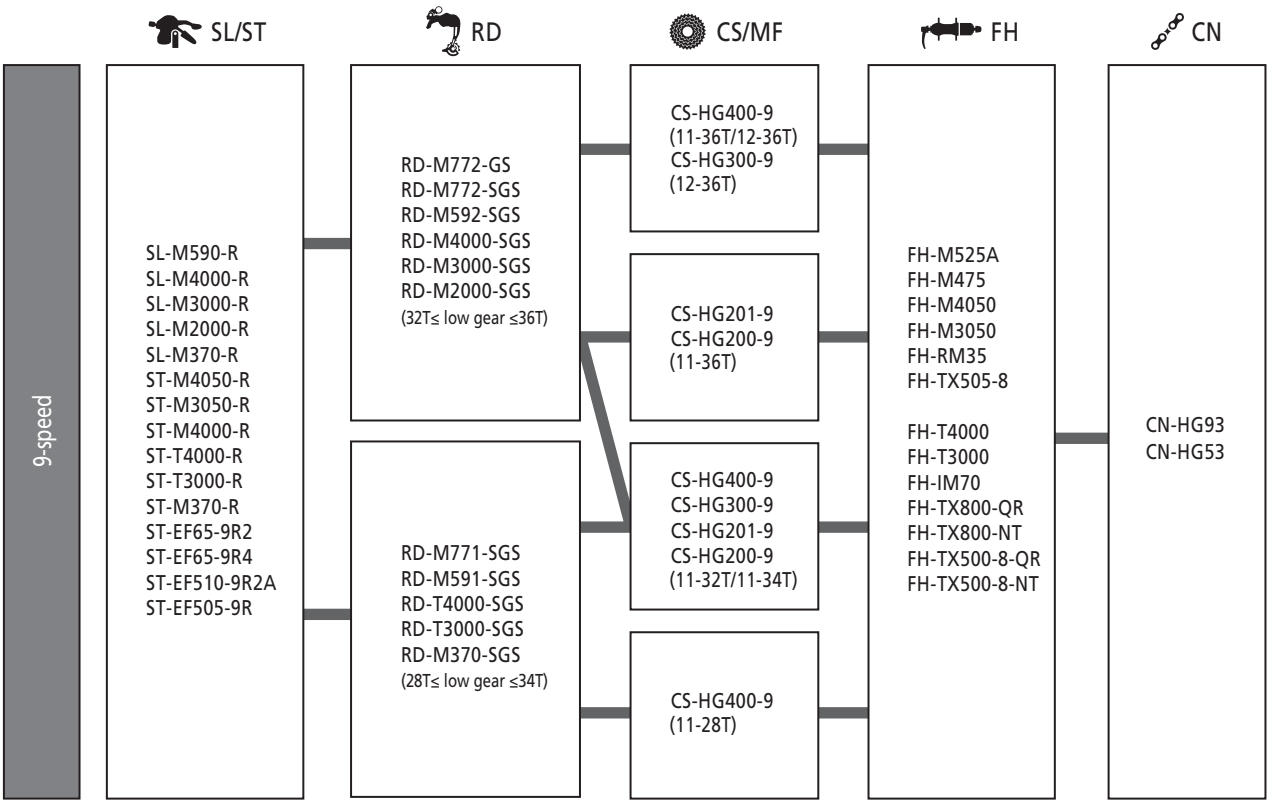
* 3/2/1x11-speed drive train
** 2/1x11-speed drive train
*** Only for 1x11-speed drivetrain

10-speed rear drivetrain [MTB]



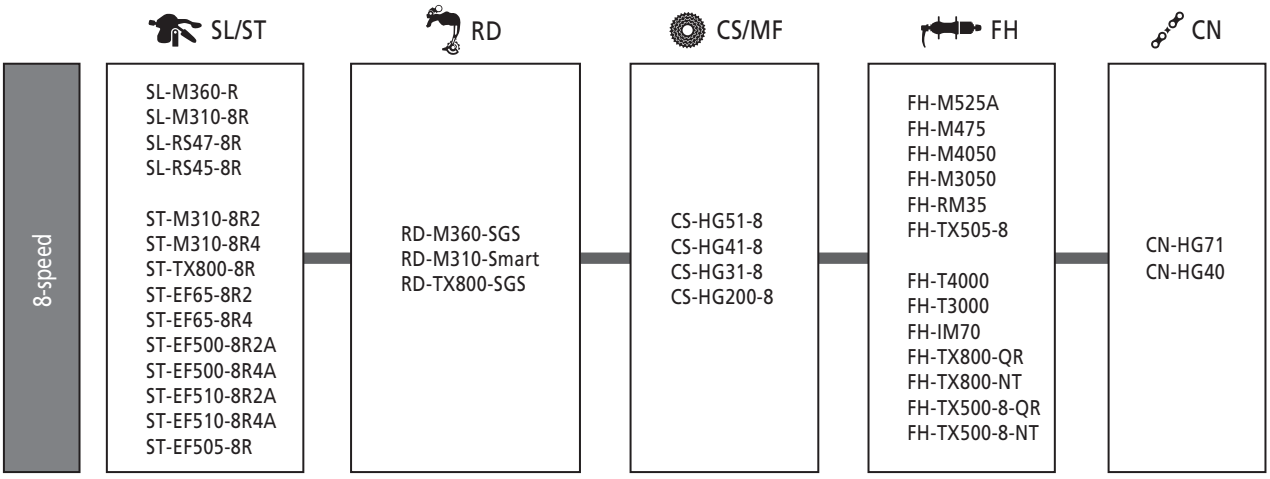
*1: Mode converter
*2: Compatible with road Cassette sprocket

9-speed rear drivetrain [MTB]

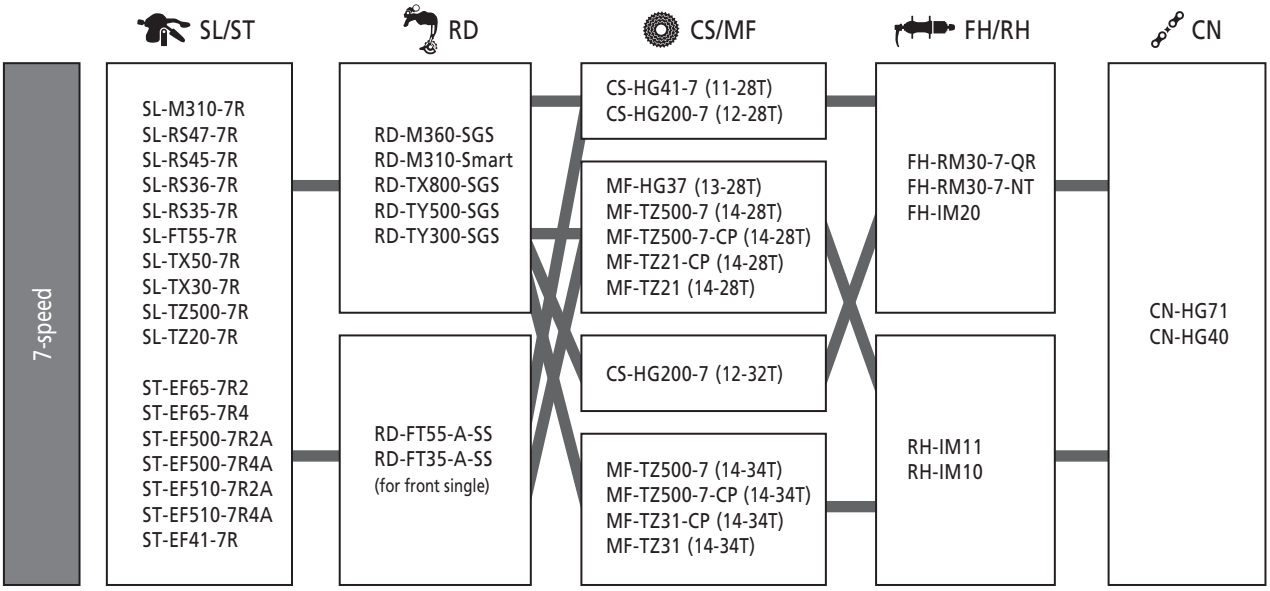


8-speed HG [MTB]

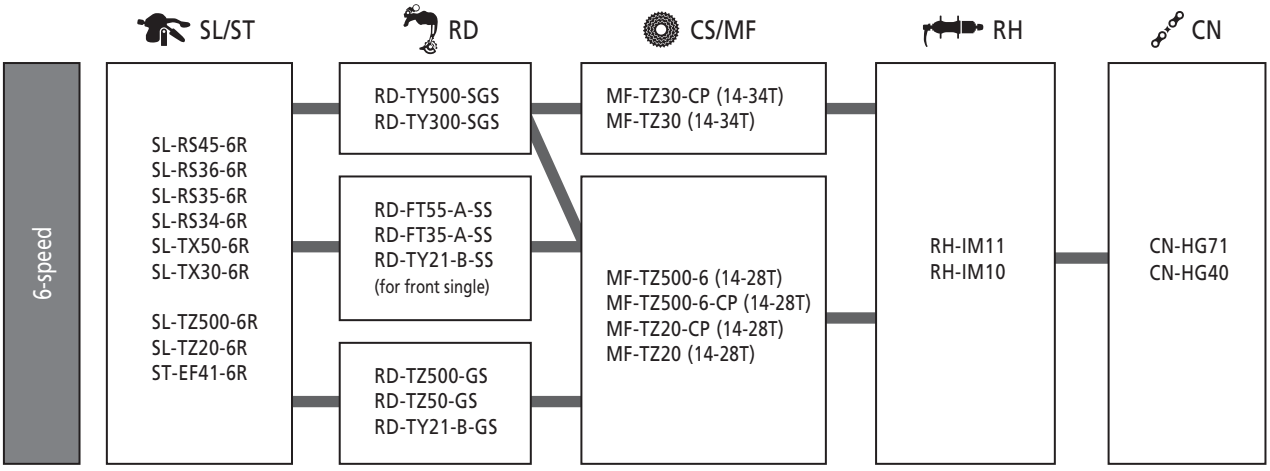
The rear derailleur for 8-speed can also be used for 7-speed drivetrain.



■ 7-speed HG [MTB]

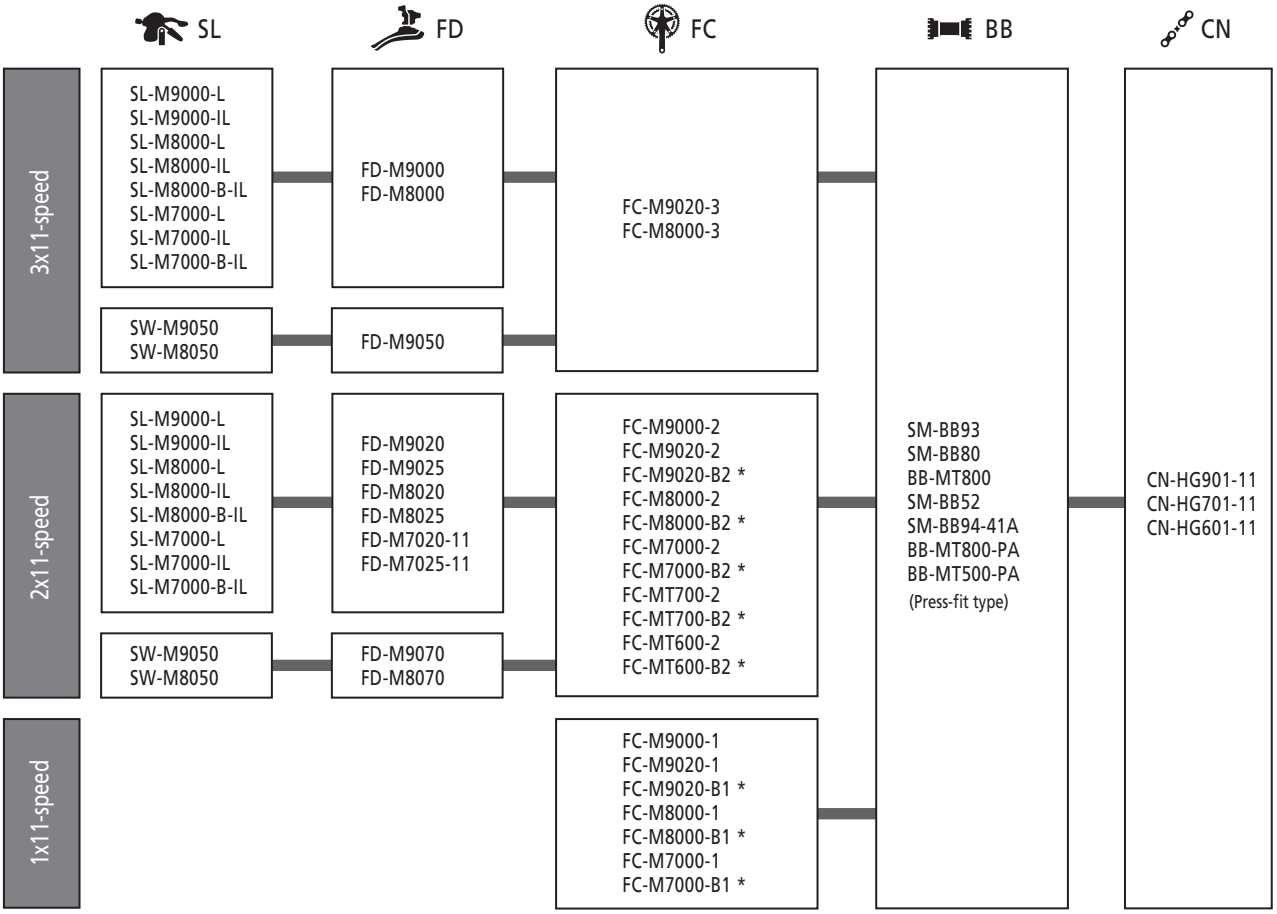


■ 6-speed HG and 6-speed [MTB]



Front drivetrain compatibility [MTB]

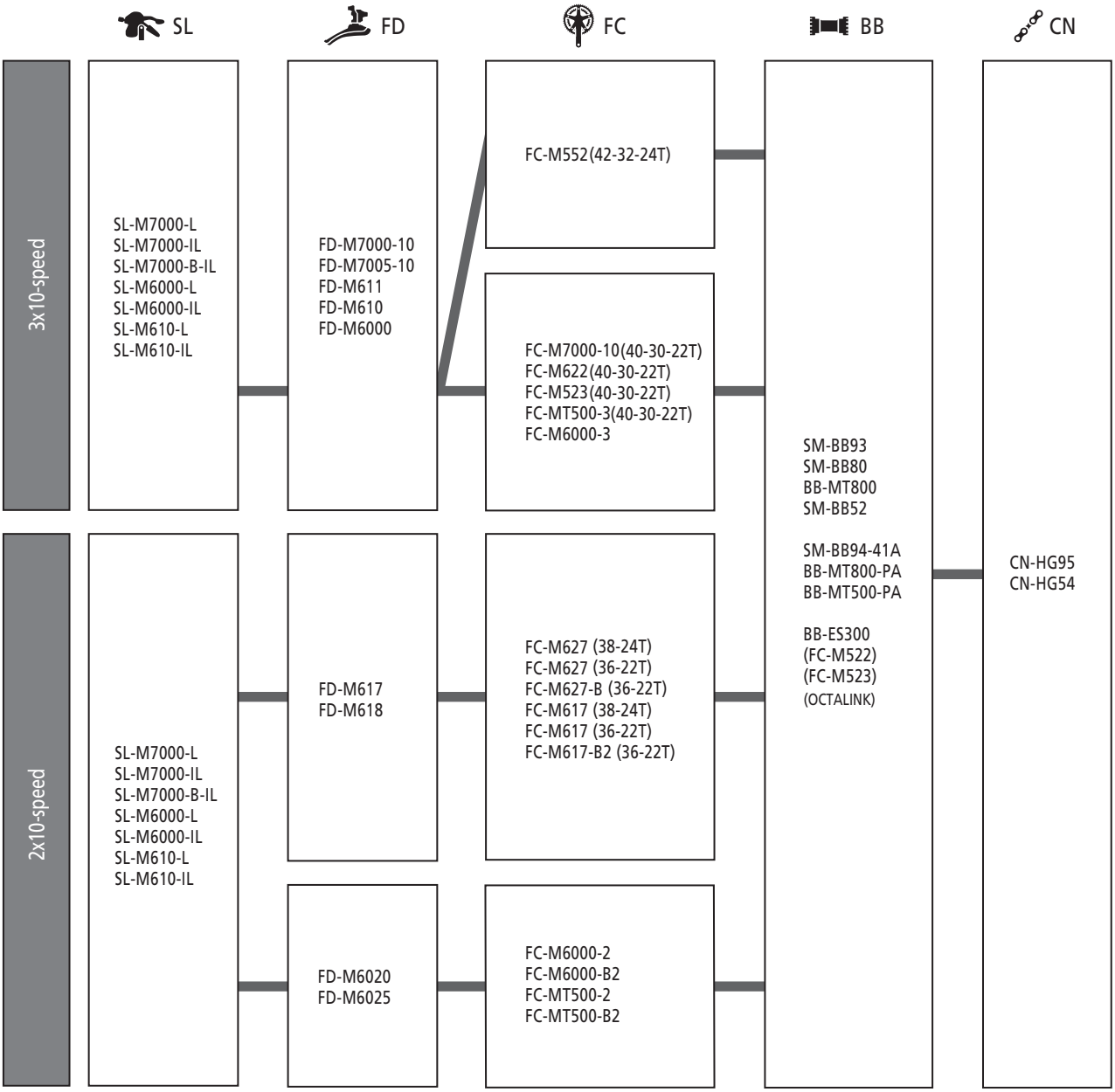
■ 11-speed front drivetrain



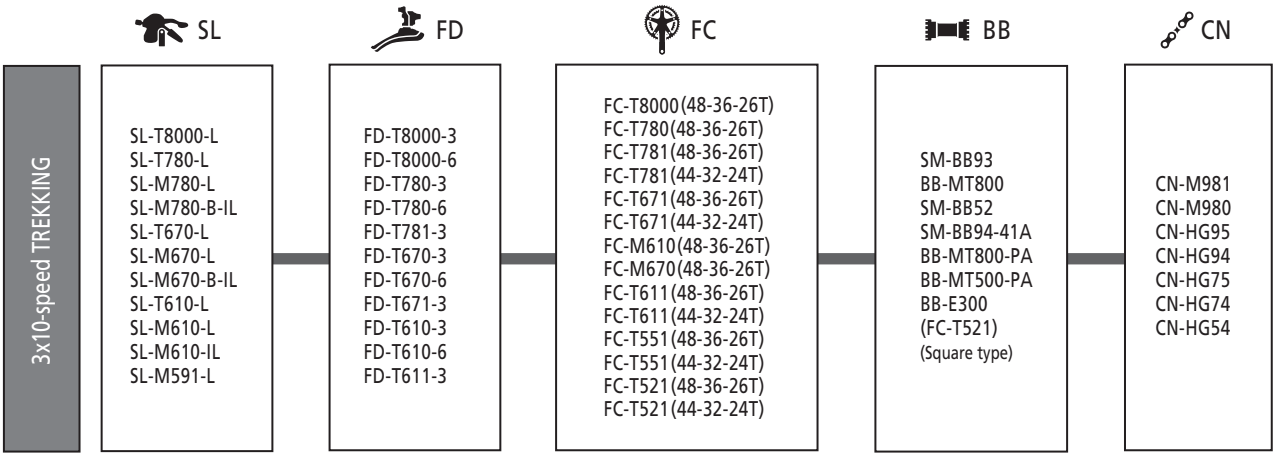
Note:

*It also requires new dimension of frame which cassette position is 3 mm outboard

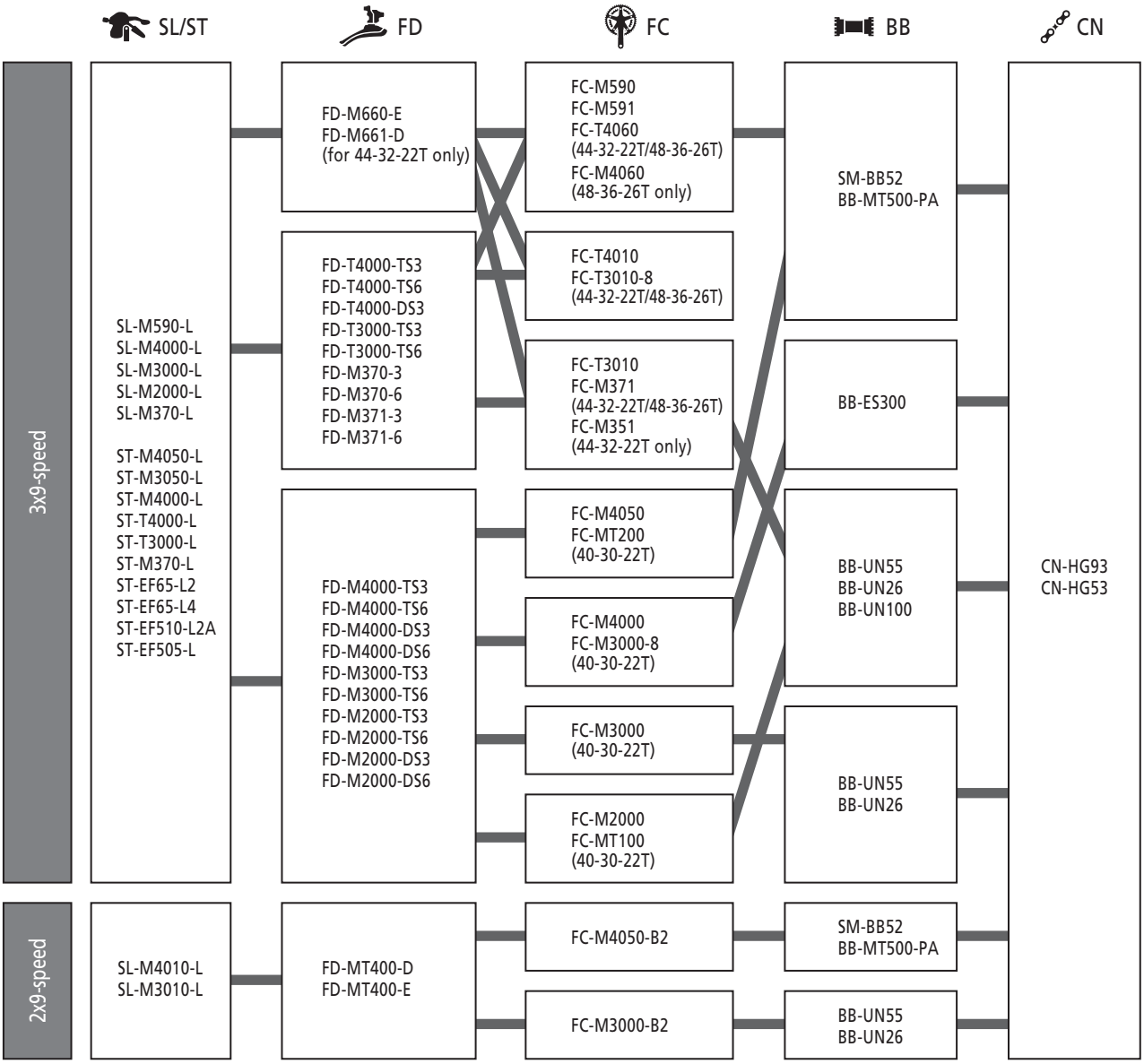
10-speed front drivetrain [MTB]



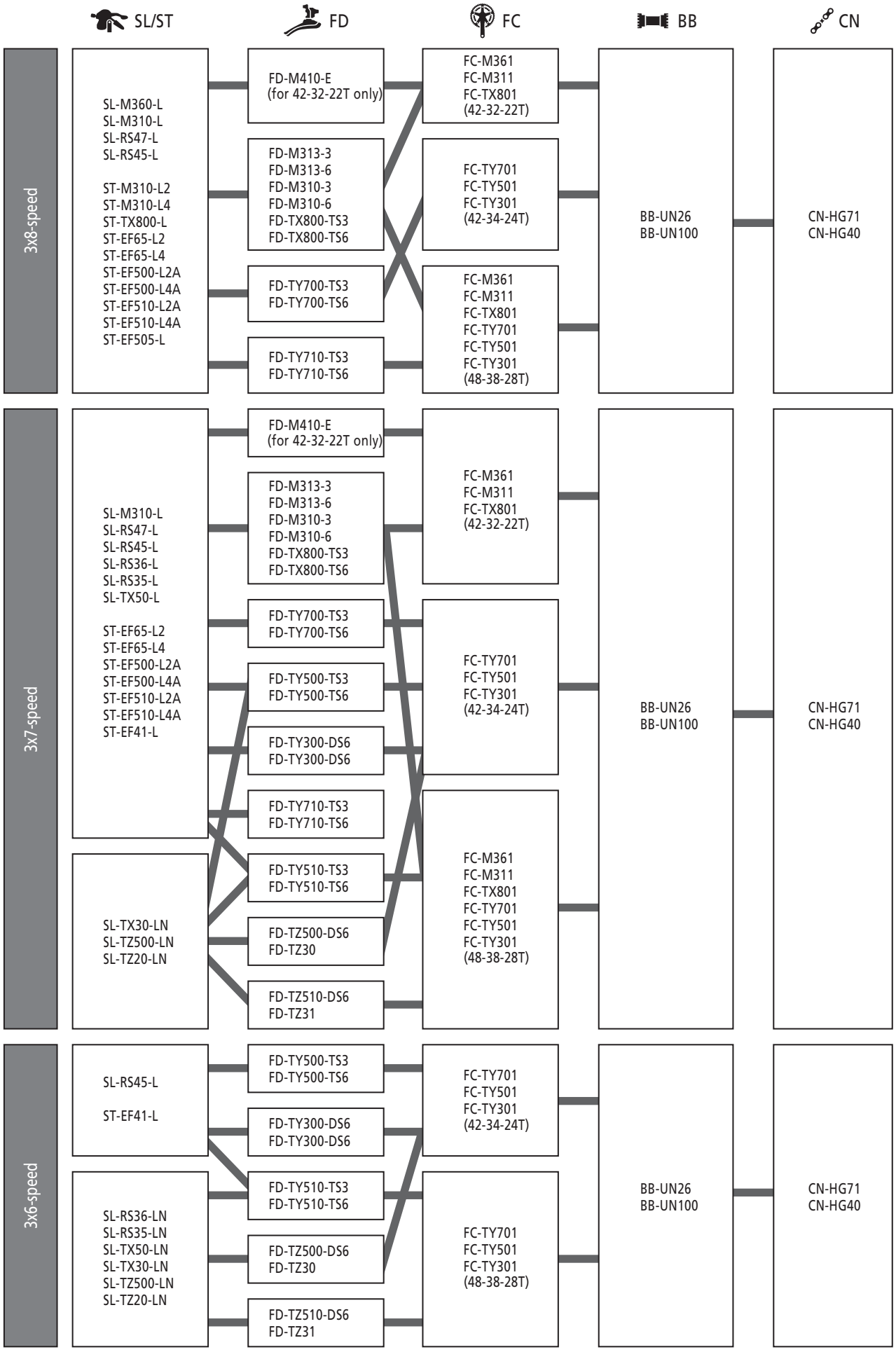
*: Not compatible with E2 type front derailleur.



9-speed FC-FD compatibility [MTB]

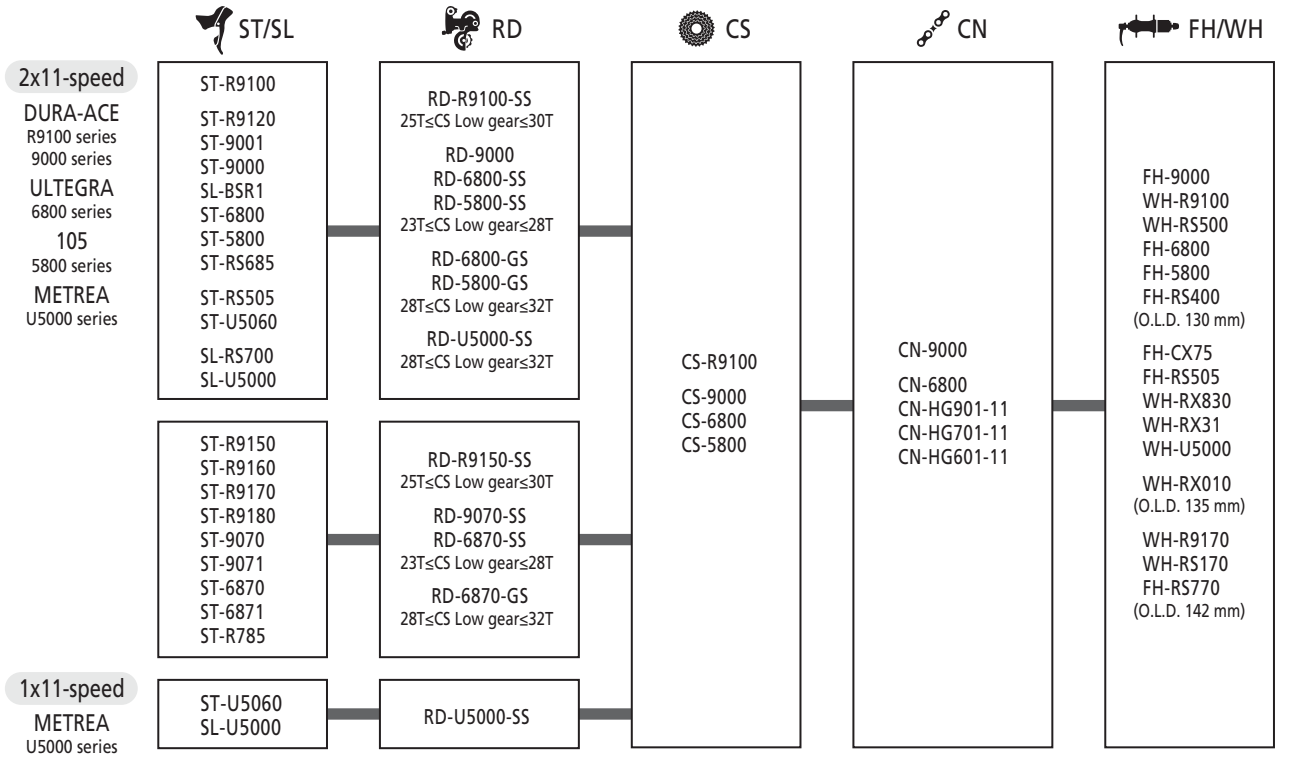


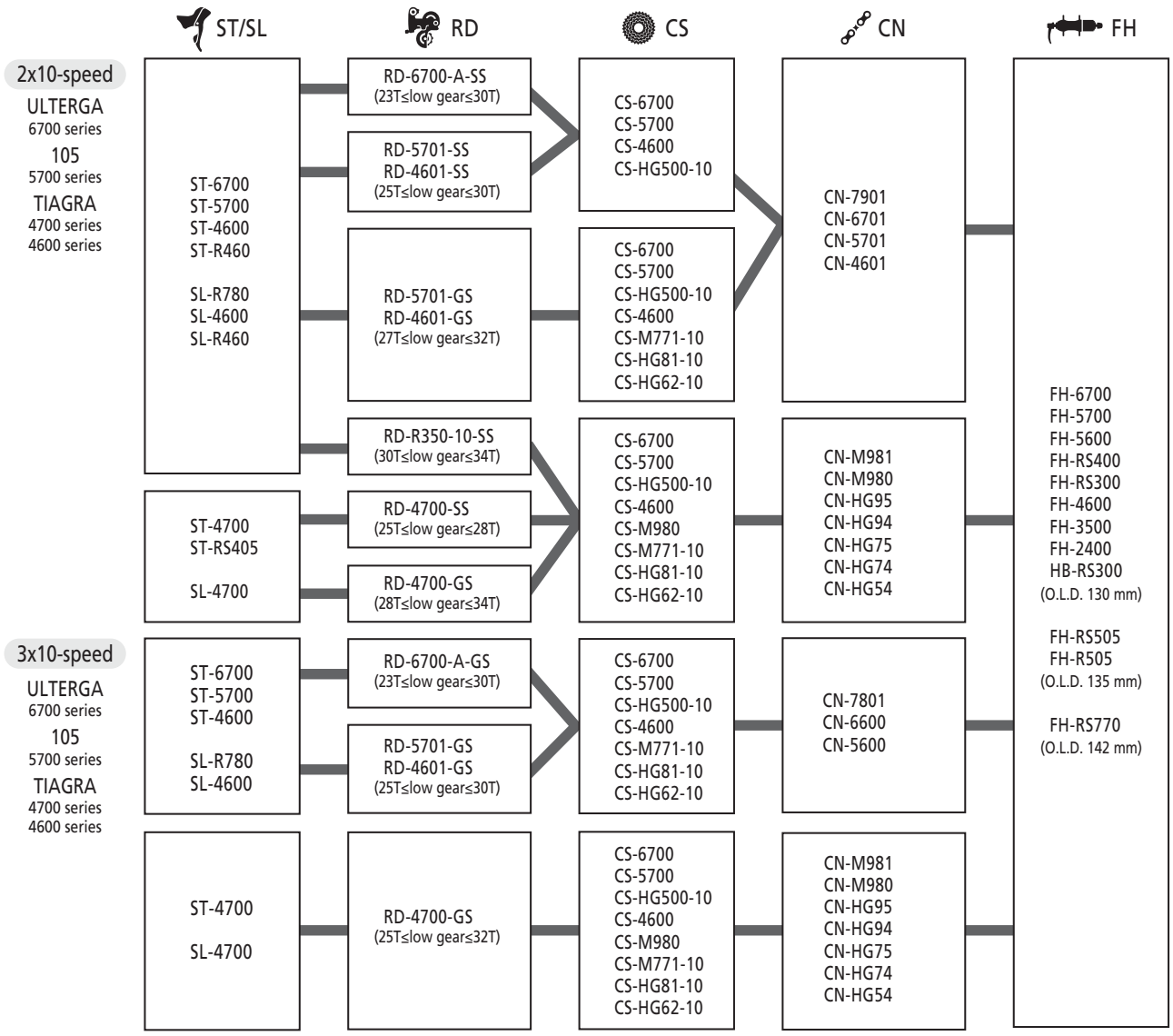
8, 7, 6-speed triple FC-FD compatibility [MTB]

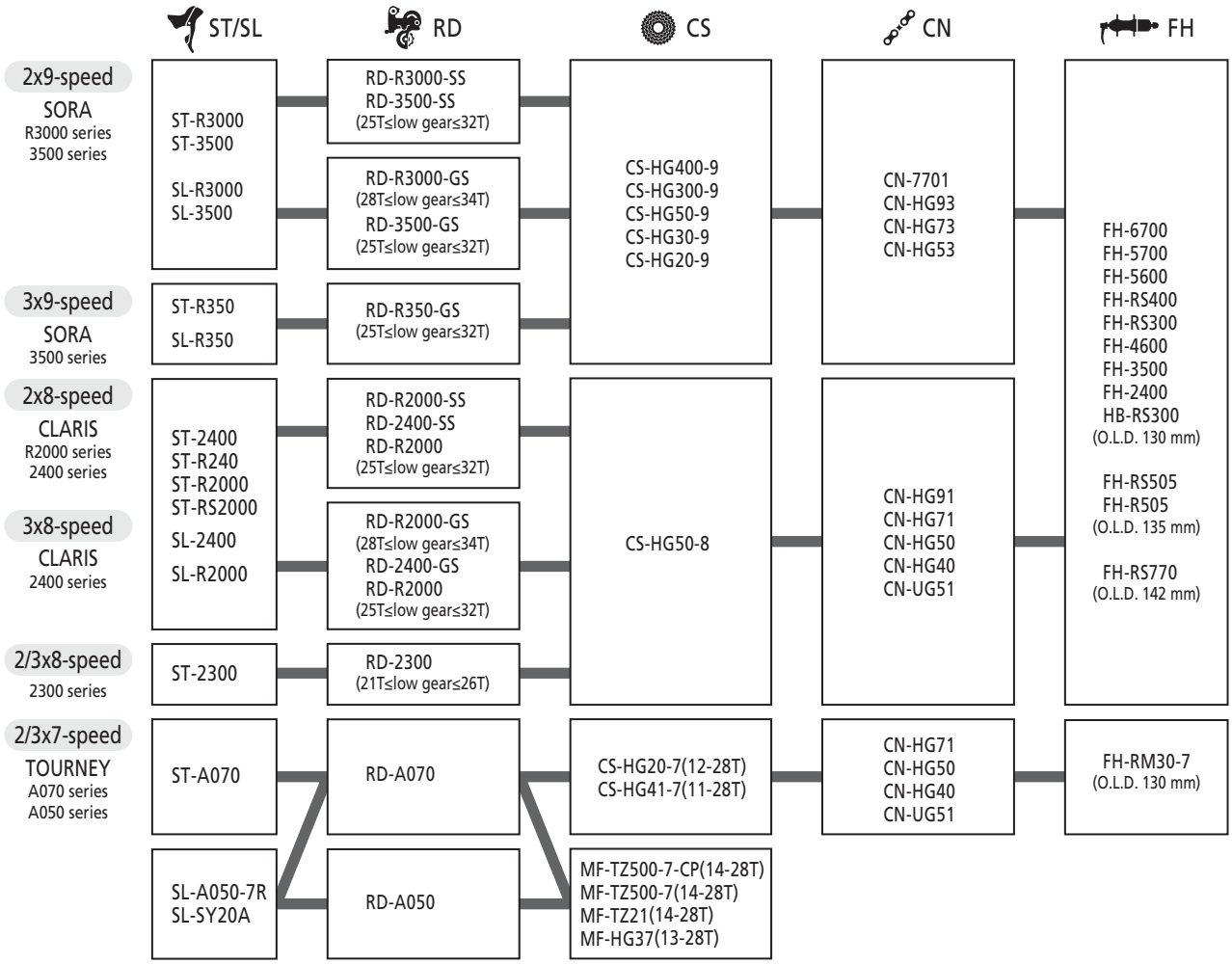


Drivetrain for ROAD bike/URBAN SPORT components

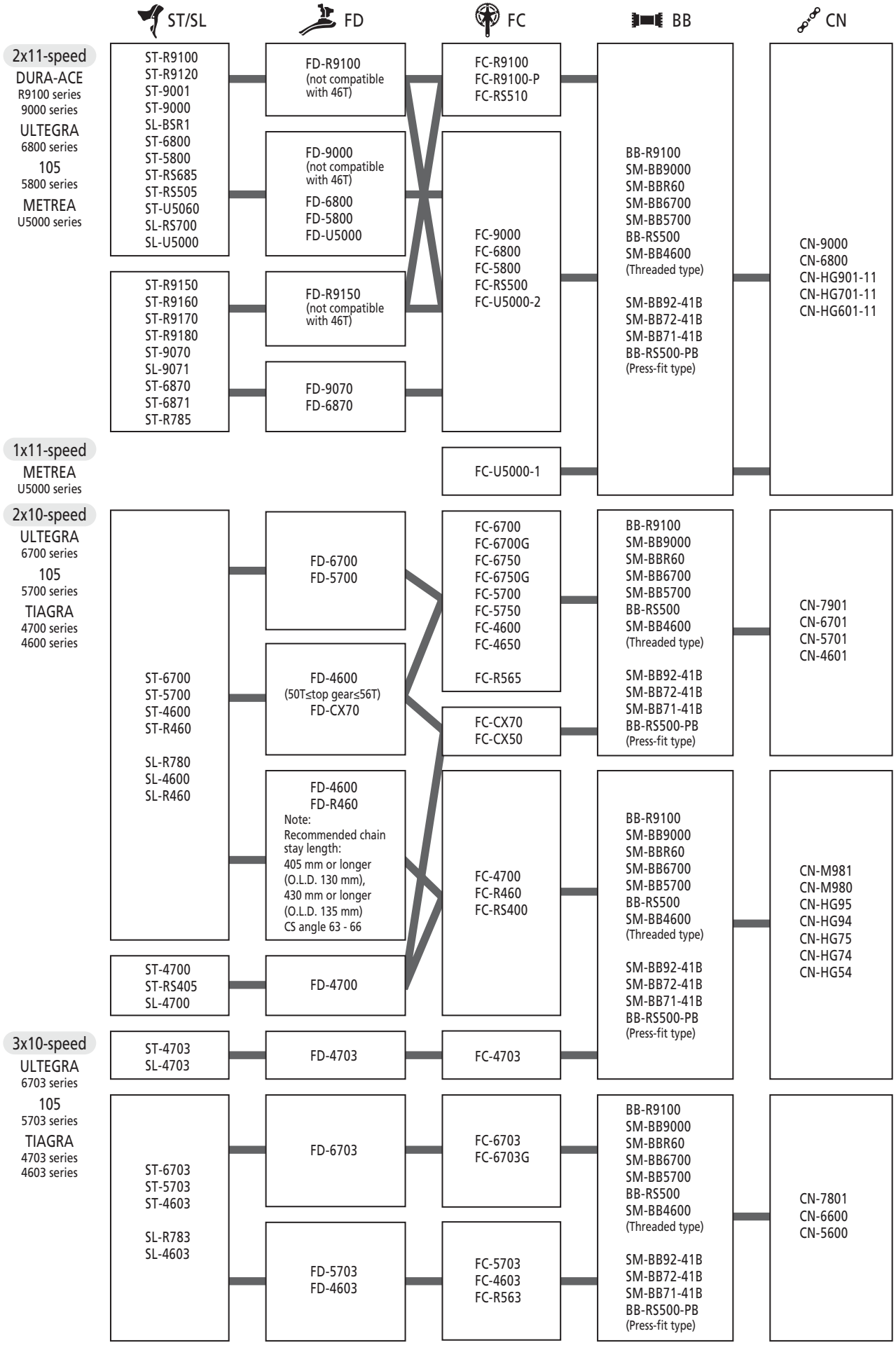
Rear drivetrain compatibility [ROAD, URBAN SPORT]

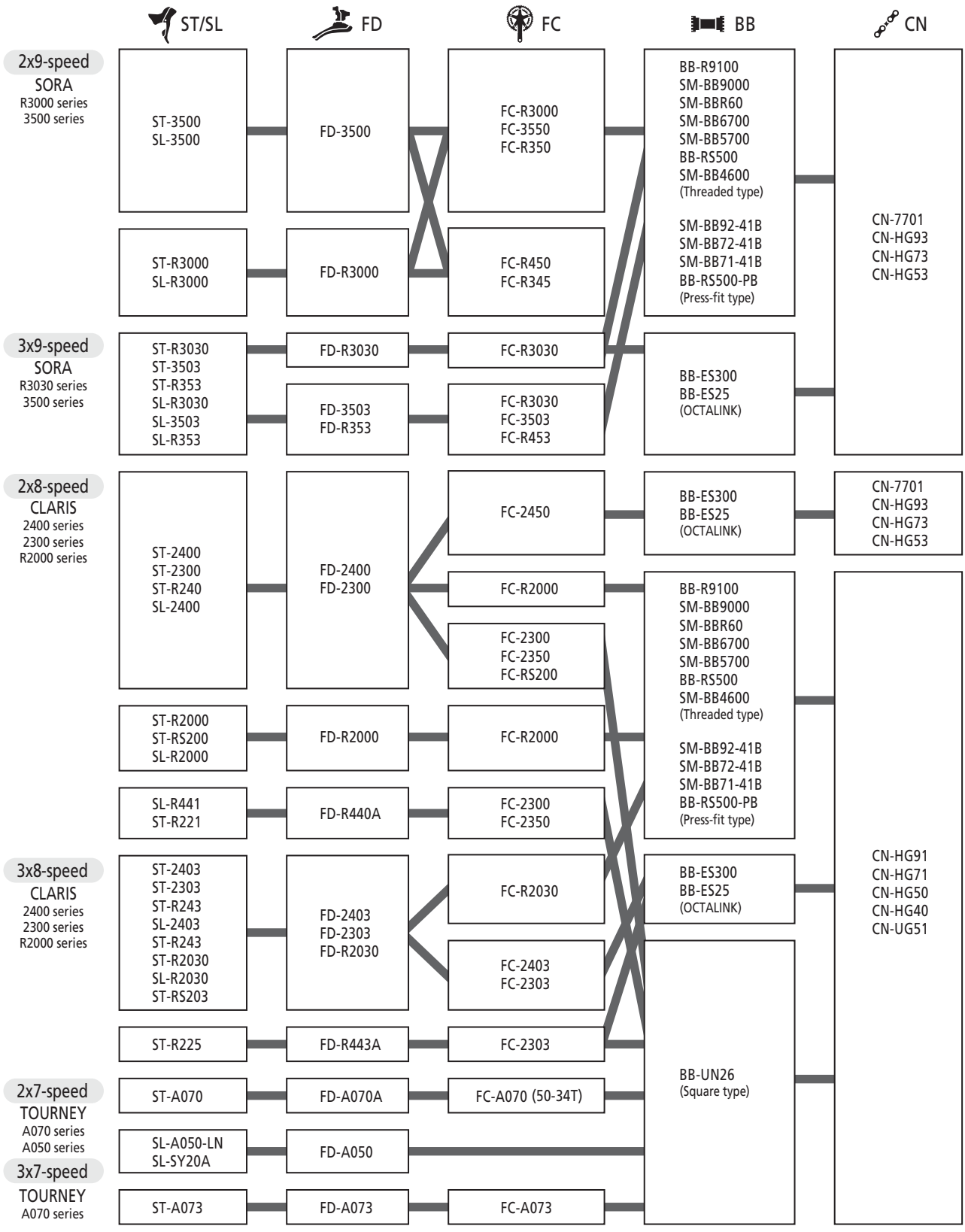




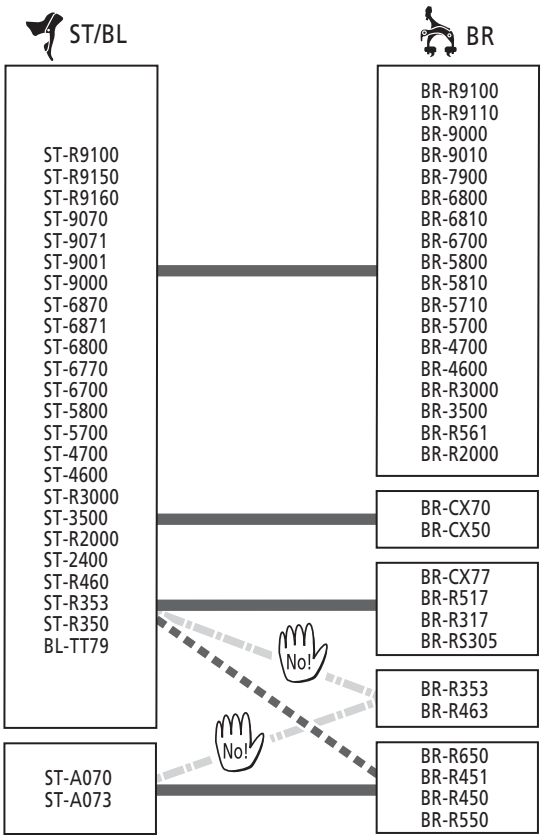

ST/SL
RD
CS
CN
FH
2x9-speed
SORA
R3000 series
3500 series
ST-R3000
ST-3500
SL-R3000
SL-3500
RD-R3000-SS
RD-3500-SS
(25T≤low gear≤32T)
RD-R3000-GS
(28T≤low gear≤34T)
RD-3500-GS
(25T≤low gear≤32T)
CS-HG400-9
CS-HG300-9
CS-HG50-9
CS-HG30-9
CS-HG20-9
CN-7701
CN-HG93
CN-HG73
CN-HG53
FH-6700
FH-5700
FH-5600
FH-RS400
FH-RS300
FH-4600
FH-3500
FH-2400
HB-RS300
(O.L.D. 130 mm)
FH-RS505
FH-R505
(O.L.D. 135 mm)
FH-RS770
(O.L.D. 142 mm)
3x9-speed
SORA
3500 series
ST-R350
SL-R350
RD-R350-GS
(25T≤low gear≤32T)
2x8-speed
CLARIS
R2000 series
2400 series
3x8-speed
CLARIS
2400 series
ST-2400
ST-R240
ST-R2000
ST-RS2000
SL-2400
SL-R2000
RD-R2000-SS
RD-2400-SS
RD-R2000
(25T≤low gear≤32T)
RD-R2000-GS
(28T≤low gear≤34T)
RD-2400-GS
RD-R2000
(25T≤low gear≤32T)
CS-HG50-8
CN-HG91
CN-HG71
CN-HG50
CN-HG40
CN-UG51
2/3x8-speed
2300 series
ST-2300
RD-2300
(21T≤low gear≤26T)
2/3x7-speed
TOURNEY
A070 series
A050 series
ST-A070
SL-A050-7R
SL-SY20A
RD-A070
RD-A050
CS-HG20-7(12-28T)
CS-HG41-7(11-28T)
MF-TZ500-7-CP(14-28T)
MF-TZ500-7(14-28T)
MF-TZ21(14-28T)
MF-HG37(13-28T)
CN-HG71
CN-HG50
CN-HG40
CN-UG51
FH-RM30-7
(O.L.D. 130 mm)

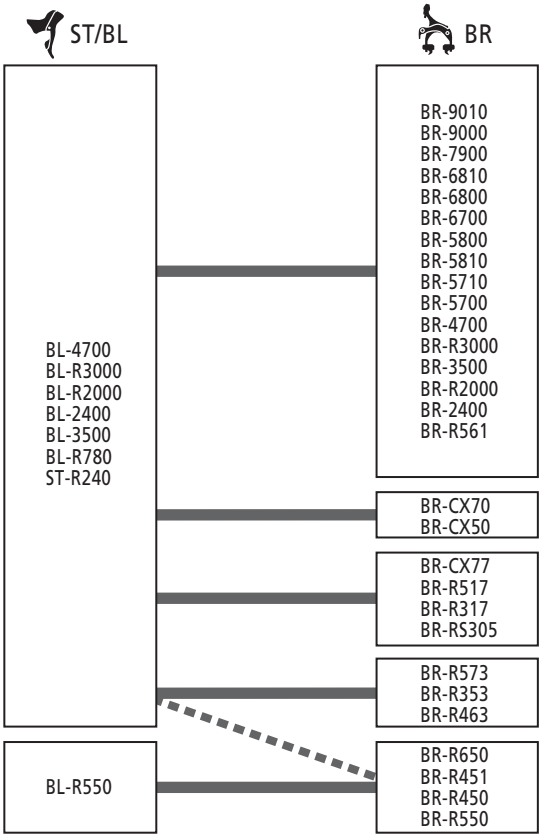
Front drivetrain compatibility [ROAD, URBAN SPORT]




ST/SL
FD
FC
BB
CN
2x9-speed
SORA
R3000 series
3500 series
ST-3500
SL-3500
FD-3500
FC-R3000
FC-3550
FC-R350
ST-R3000
SL-R3000
FD-R3000
FC-R450
FC-R345
BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS500
SM-BB4600
(Threaded type)
SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)
CN-7701
CN-HG93
CN-HG73
CN-HG53
3x9-speed
SORA
R3030 series
3500 series
ST-R3030
ST-3503
ST-R353
SL-R3030
SL-3503
SL-R353
FD-R3030
FD-3503
FD-R353
FC-R3030
FC-3503
FC-R453
BB-ES300
BB-ES25
(OCTALINK)
2x8-speed
CLARIS
2400 series
2300 series
R2000 series
ST-2400
ST-2300
ST-R240
SL-2400
FD-2400
FD-2300
FC-2450
FC-R2000
FC-2300
FC-2350
FC-RS200
ST-R2000
ST-RS200
SL-R2000
FD-R2000
FC-R2000
SL-R441
ST-R221
FD-R440A
FC-2300
FC-2350
3x8-speed
CLARIS
2400 series
2300 series
R2000 series
ST-2403
ST-2303
ST-R243
SL-2403
ST-R243
ST-R2030
SL-R2030
ST-RS203
FD-2403
FD-2303
FD-R2030
FC-R2030
FC-2403
FC-2303
CN-HG91
CN-HG71
CN-HG50
CN-HG40
CN-UG51
ST-R225
FD-R443A
FC-2303
2x7-speed
TOURNEY
A070 series
A050 series
ST-A070
FD-A070A
FC-A070 (50-34T)
SL-A050-LN
SL-SY20A
FD-A050
3x7-speed
TOURNEY
A070 series
ST-A073
FD-A073
FC-A073
BB-UN26
(Square type)

Brake systems compatibility [ROAD]

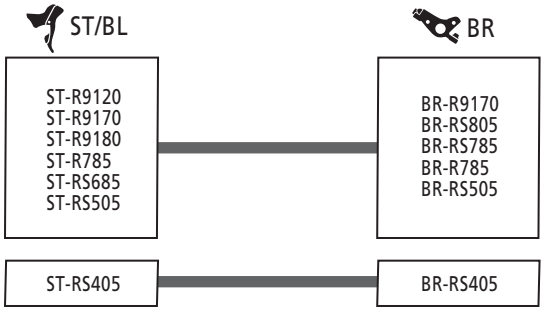




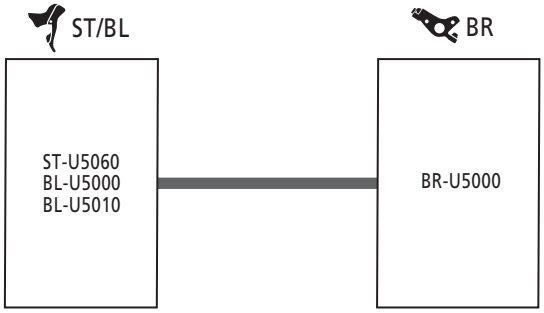
▪▪▪▪ : Braking power is slightly less than standard combination.

No! : The "NO!" symbols indicate combinations that should not be used under any circumstances.

Hydraulic systems compatibility [ROAD]



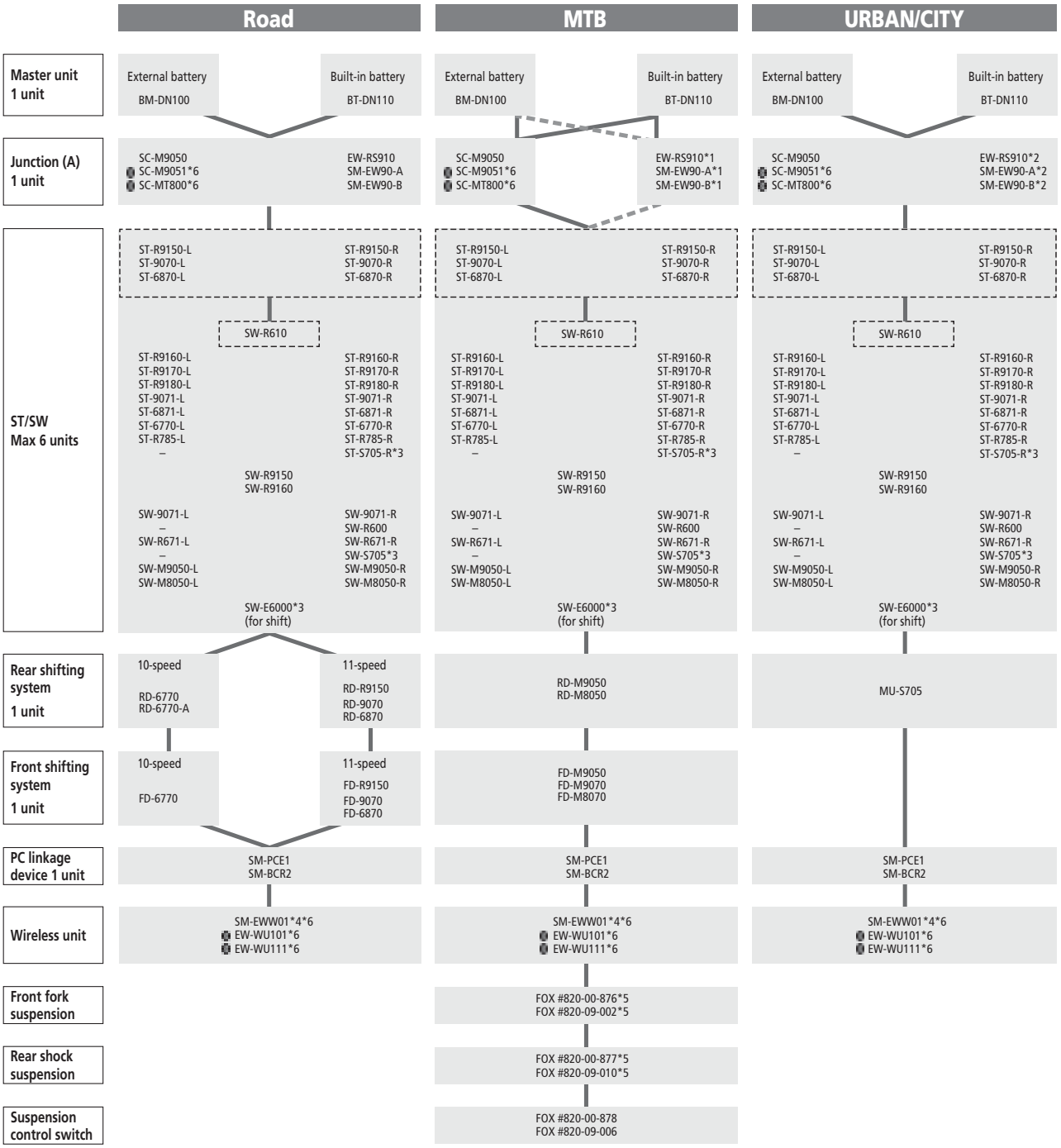
Hydraulic systems compatibility [URBAN SPORT]



Electronic product information

E-TUBE compatibility chart

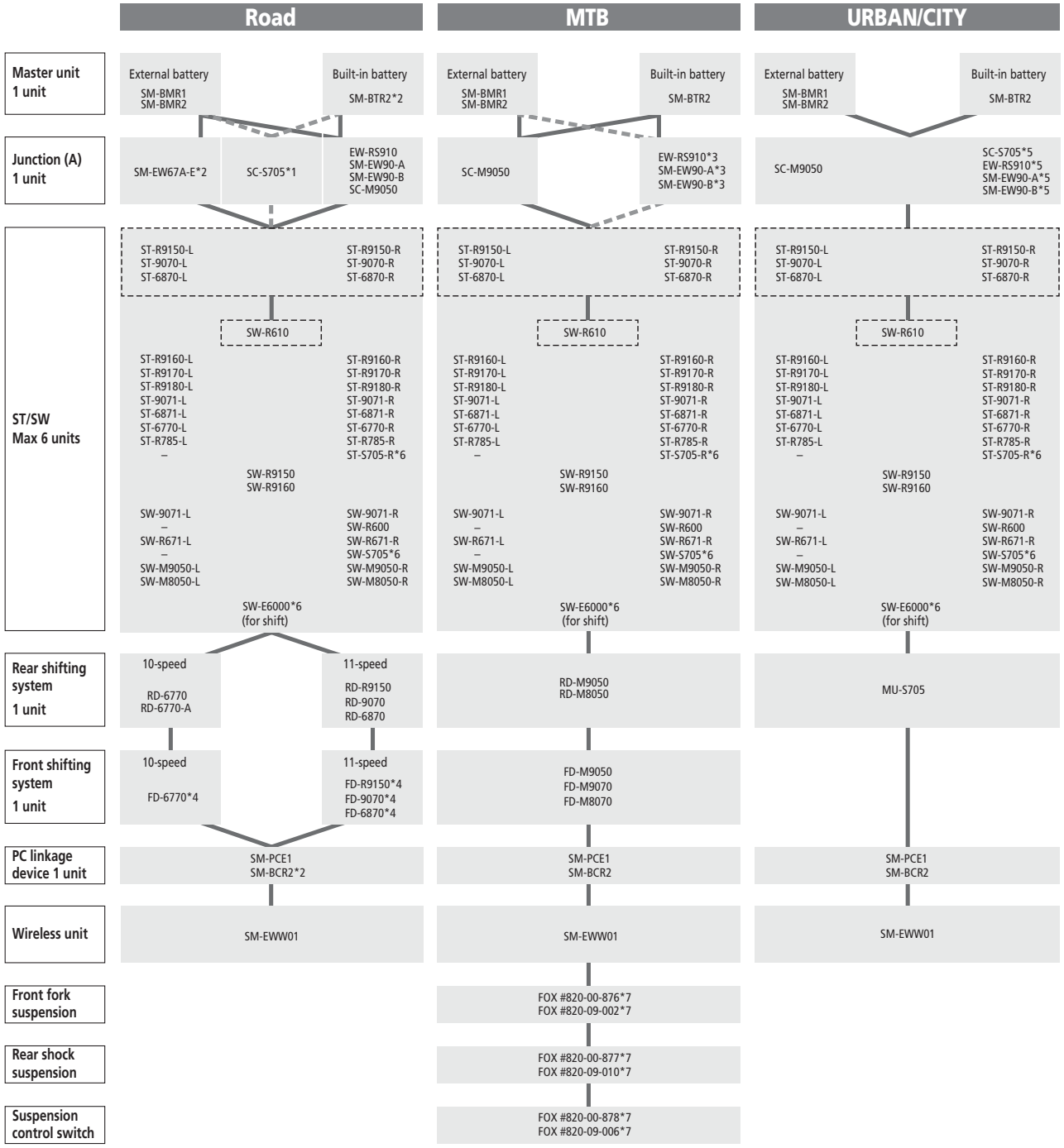
■ DI2 with BM-DN100/BT-DN110



Limitation of function with BM-DN100/BT-DN110

*1 SC-M9050, SC-M9051 or SC-MT800 is required for SYNCHRONIZED SHIFT in MTB category.
*2 Shifting adjustment mode for MU-S705 is not supported. (need E-TUBE PROJECT to adjust)
*3 Only for rear shifting
*4 Not possible to connect to E-TUBE PROJECT for tablet/smartphone, as no support for Bluetooth LE.
*5 A designated control switch and/or the combination SW-M9050/SW-M8050-L with SC-M9050/SC-M9051/SC-MT800 is required to operate.
*6 The system accepts just 1 unit with wireless chip. (doesn't work if plural units with wireless chip are connected)

■ DI2 with SM-BMR1/SM-BMR2/SM-BTR2



Limitation of function with SM-BMR1/SM-BMR2/SM-BTR2

*1 SC-S705
- Front derailleur position will not appear on display.
- Recovery from Rear derailleur protection function is not available.
- Front/Rear derailleur adjustment mode is not available. Use E-TUBE PROJECT software.
- SC-S705 has only 1 E-TUBE port for ST/SW.
- SC-S705 may not turn on the display by front shifting switch.

*2 SM-BCR2 requires any device which has charging connector.
SM-EW67-A-E (Junction (A)) is not compatible with SM-BCR2 and SM-BTR2.

*3 SC-M9050 is required for SYNCHRONIZED SHIFT.

*4 SYNCHRONIZED SHIFT and rear support shift in ROAD and URBAN/CITY category is not available.

*5 Shifting adjustment mode for MU-S705 is not supported. (need E-TUBE PROJECT to adjust)

*6 Only for rear shifting

*7 A designated control switch is needed to operate the suspension system.

MEMO

MEMO

MEMO

SHIMANO STEPS | CITY

SHIMANO



RECLAIM CITY LIFE

David Martin
–
"RIDING THE E-BIKE TAKES ME TO ALL CORNERS OF THE CITY."

AUTOMATIC SHIFTING
FOR A SMOOTHER RIDING EXPERIENCE

SHIMANO STEPS CITY – THE INTELLIGENT, SILENT AND EASY TO USE **E-BIKE SYSTEM**



Getting around town has never been easier. Cruise through town for days on a single charge. If you're in a hurry to meet friends, SHIMANO STEPS technology will give you that extra push in a headwind. Cycle to work and pass traffic jams without over-exerting yourself. Wherever you're going, SHIMANO STEPS gets you there fresh.

SHIMANO STEPS

Energize your lifestyle

shimano-steps.com

SHIMANO STEPS | MTB

Explore new grounds

SHIMANO

SHIMANO STEPS MTB
—
THE INTUITIVE
E-MTB SYSTEM
FOR ULTIMATE
FUN AND FREEDOM

NATURAL RIDING FEELING
—
Q-FACTOR LIKE MTB

Whether you're riding your mountain bike through the woods on a Sunday morning in search of new experiences, or you're going downhill enjoying a healthy outing with your friends, SHIMANO STEPS MTB will push your boundaries. In fact, with SHIMANO STEPS MTB all boundaries will fade and you will experience ultimate freedom.



SHIMANO STEPS

Energize your lifestyle

shimano-steps.com



SYSTEM SUPREMACY

SHIMANO



THE NEW
DURA-ACE
R9100

Di2
DIGITAL INTEGRATED INTELLIGENCE



DURA-ACE

Options available : Mechanical or DI2 shifting, and Rim or Disc Brakes
Learn more at dura-ace.com



Choosing the right spare parts is all about the details. That's why I advice SHIMANO Original Parts. They are developed as part of a total integrated system. So a new chain or brake pad can make your bike feel like new again. That's why you should insist on SHIMANO Original Parts. The alternative is always a compromise.



Our Pursuit of Dreams

Welcome to the world of SHIMANO. Our main goal in life and business is to help people get closer to nature through the cycling activities they enjoy most.

Team SHIMANO is comprised of people all over the world, working together to fulfill a dream in which more people ride bikes, and the bikes they ride shift better, brake better and perform better overall.

There are as many ways to enjoy cycling as there are people on bikes and we have devoted or resources to meeting as many of those individual riding needs as possible, creating wider range of high quality bicycle components.

SHIMANO
www.shimano.com

EUROPE
SHIMANO EUROPE HOLDING B.V.
High Tech Campus 92, 5656 AG Eindhoven, The Netherlands
Phone: +31-40-261-2222

U.S.A.
SHIMANO AMERICAN CORPORATION
One Holland, Irvine, California 92618, U.S.A.
Phone +1-949-951-5003 Fax +1-949-768-0920

CANADA
SHIMANO CANADA LTD.
427 Pido Road Peterborough, Ontario K9J 6X7, Canada
Phone: +1-705-745-3232 Fax: +1-705-745-1949

LATIN AMERICA
SHIMANO LATIN AMERICA REP. COM. LTDA. (Brazil)
Alameda Santos, 415/Conj. 71 e 72. Cerqueira Cesar,
CEP: 01419-913 São Paulo/SP Brasil
Phone: +55 11 3149-4949 Fax:+55-11-3057-0571

SHIMANO LATIN AMERICA REP. COM. LTDA. (Argentina)
Azcuenaga 1860 Piso 3, ZIP:C1128AAF, Ciudad Autonoma de Buenos Aires, Argentina
Phone: +54-11-4801-4177 Fax: +54-11-4801-4177

SINGAPORE
SHIMANO (SINGAPORE) PTE. LTD.
20 Benoi Sector, Jurong Town, Singapore 629852
Phone: +65-6265-4777 Fax: +65-6265-1575

AUSTRALIA
SHIMANO AUSTRALIA CYCLING PTY. LTD.
2 Wurrook Circuit, Caringbah NSW 2229, Australia
Phone: +61-2-9526-7799 Fax: +61-2-9526-7622

NEW ZEALAND
SHIMANO NEW ZEALAND LTD.
79 Apollo Drive, Albany, North Shore City 0632 Auckland, New Zealand
Phone: +64 9 478 1969 Fax: +64 9 479 6288

CHINA
SHIMANO (SHANGHAI) SALES CORPORATION
Room 1701---1705 Sheng Gao International Tower, No. 137 Xian Xia Road, Shanghai 200051, China
Phone: +86-21-52061212 Fax: +86-21-52062797

TAIWAN
SHIMANO TAIWAN CO., LTD.
4F-3, Grand Asia Plaza, 138 Zhongming S.Road, Taichung, Taiwan
Phone: +886-4-2319-5318 Fax: +886-4-2319-4020

KOREA
NANUX NETWORKS INC.
33-4, Tekeunobaelli-ro, Jillye-myeon, Gimhae-si, Gyeongsangnam-do, South Korea, 50875
Phone: +82-1644-2022

JAPAN
SHIMANO SALES CO., LTD.
1-5-15 Chikkou-Shinmachi, Nishi-ku Sakai, Osaka 592-8331, Japan
Phone: +81-72-243-2820 Fax: +81-72-243-2830

AUSTRIA
Thalinger Lange GmbH
Schubertstraße 12
A-4600 Wels, Austria
Phone +43 7242 4970
E-mail mail@thalinger-lange.com
URL www.thalinger-lange.com

BELGIUM / LUXEMBOURG
Shimano Belgium NV
Industrie Mechelen Noord II
Zandvoortstraat 21
2800 Mechelen, Belgium
Phone +32 (0)15 209480
E-mail salessbx@shimano-eu.com
URL www.shimano-benelux.com

CZECH REPUBLIC
Paul Lange Ostrava s.r.o.
Sabinova 713/2
721 00 Ostrava - Svinov
Phone +420 596 634 608
E-mail info@paul-lange.cz
URL www.paul-lange.cz

DENMARK
Shimano Nordic Denmark
Søndre Ringvej 49 C
2605 Brøndby, Denmark
Phone +45 69 9116 60
E-mail infodk@shimano-eu.com
URL www.shimano-nordic.dk

FINLAND
Shimano Nordic Cycle OY
Martinkyläntie 53
01720 Vantaa, Finland
Phone +358 20 155 0800
E-mail infofi@shimano-eu.com
URL www.shimano-nordic.fi

FRANCE
Shimano France Composants Cycles
Zone Actiparc 777 allée Commios
62052 St.Laurent-Blangy Cedex, France
Phone +33 (0)321 732525
E-mail contact-france@shimano-eu.com
URL www.shimano-france.fr

GERMANY
Paul Lange & Co. OHG
Hofener Straße 114
D-70372 Stuttgart, Germany
Phone +49 711 2588 02
E-mail info@paul-lange.de
URL www.paul-lange.de

GREECE/CYPRUS
Nikos Maniatopoulos S.A.
26504 AG Vasilios, Patras, Greece
Phone +30 2610 993045
E-mail commerce@idealbikes.gr
URL www.idealbikes.net

HUNGARY
Paul Lange Hungary Kft.
Központi út 28-32
1211 Budapest, Hungary
Phone +36 1 445 0371
E-mail info@paul-lange.hu
URL www.paul-lange.hu

IRAN
SABA Docharkh (Cycle) Co., Ltd.
13 Anahita Gharbi St./Africa 19176
Express way / Teheran Iran
Phone +98 21 88 78 06 51
E-mail info@saba-docharkh.com
URL www.saba-docharkh.com

ISRAEL
DAA Sport Marketing LP
Ha'Hadassim 9 (Even Yehuda Industrial Area),
Kadima 60920, Israel
Phone +972-98 65 69 60
E-mail info@daa.co.il
URL http://www.daa.co.il

ITALY
Shimano Italy Bicycle Components Srl
Via Jucker 22,
20025 Legnano (Milan), Italy
URL www.shimano.com

THE NETHERLANDS
Shimano Benelux BV
Industrieweg 24
8071 CT Nunspeet, The Netherlands
Phone +31 (0)341 272300
E-mail salessbx@shimano-eu.com
URL www.shimano-benelux.com

NORWAY
Shimano Nordic Cycle AS
Vakåsveien 7
N-1395, Hvalstad (NO)
Phone +47 66 7780 10
Fax +47 66 7780 11
E-mail infono@shimano-eu.com
URL www.shimano-nordic.no

POLAND, LATVIA, ESTONIA, LITHUANIA
Shimano Polska Bicycle Parts Sp. z o.o.
Ul. Jana Gutenberga 9
62-032 Gądki, Żerniki k/Poznania, Poland
Phone +48 61 62 52 100
E-mail infopoland@shimano-eu.com
URL www.shimano-polska.com

PORTUGAL
Sociedade Comercial Do Vouga, LDA
Apartado 7
3754-909 Agueda, Portugal
Phone +351 234 601500
E-mail shimano@vouga.net
URL www.scvouga.pt

RUSSIA
ZAO Normark
23 build. 9 , Obrucheva street
117630, Moscow, Russia
Phone + 7 (495) 7753732
E-mail info@normark.ru
URL www.normark.ru

SLOVAKIA
Paul Lange Oslany s.r.o.
Mierova 854/37
972 47 Oslany
Phone +421 46 549 2344
E-mail office@paul-lange-oslany.sk
URL www.paul-lange-oslany.sk

SOUTH-AFRICA
Coolheat Cycle Agencies (Pty) Ltd.
57 Lake Road Longmeadow Business Estate North extension no.7 Edenvale 1609
P.O.Box 2984, Edenvale, 1610
Phone +27 (0) 11 608 2003
E-mail info@coolheat.co.za
URL www.coolheat.co.za

SPAIN
Macario Llorente S.A.
Tales de Mileto No.2
Poligono Industrial Mapfre
28806 Alcala de Henares (Madrid), Spain
Phone +34 91 887 3737
E-mail info@macario.com
URL www.macario.com

SOUTHEAST EUROPE
Eurotrade Ltd.
26504 AG Vasilios, Patras, Greece
Phone +30 2610 9114 50,-51,-52
E-mail info@eurotrade.com.gr
URL www.eurotrade.com.gr

SLOVENIA & CROATIA
CS-Eurotrade d.o.o.
CKŽ 135, 8270 Krško, Slovenia
Phone +386 7 4902 500
E-mail info@cs-eurotrade.com

MOLDOVA
DAAC Velo Sport S.R.L.
Bd. Moscova 9/1, 2068 Chişinău, Moldova
Phone +373-22 430 702
E-mail info@giant.md

SERBIA, MONTENEGRO, BOSNIA & HERCEGOVINA, MACEDONIA
Planet Bike Co. Doo
Miloša Obilića 9-11, Kruševac, Serbia
Phone +381(0)-37-420-000
E-mail info@planetbike.rs

ROMANIA
ROM-EUROTRADE S.R.L.
Autostrada Bucuresti-Pitesti 13Th Km
Bucharest West Industrial Park
Equest Logistic Center, Cladire E2, Unit A2
077095 Ilfov
Phone +40 (0)21-3505624
Fax +40 (0)21-3505457
E-mail info@rom-eurotrade.ro

BULGARIA
BG-EUROTRADE Ltd.
Iztochna Tangenta Str., Nr. 102
District Slatina, Sofia 1592
Phone +359-2-4183615,
Fax +359-2-4167690
E-mail info@bg-eurotrade.bg

SWEDEN
Shimano Nordic Cycle AB
Ulls Väg 39
756 51 Uppsala, Sweden
Phone +46 18 5616 00
E-mail infose@shimano-eu.com
URL www.shimano-nordic.se

SWITZERLAND
Fuchs Movesa AG
Hübelacherstraße 7
CH-5242 Lupfig, Switzerland
Phone +41 56 464 4646
E-mail info@fuchs-movesa.ch
URL www.fuchs-movesa.ch

TURKEY
Shimano Bisiklet A.Ş
Şair Eşref Bulv. No:4 K:7
Çankaya/İzmir
Phone +90 232 402 93 93
E-mail infosbtk@shimano-eu.com
URL http://www.shimano.com

UKRAINE
Paul Lange Ukraine
Ushinskogo 28, office 316
UA-03151 Kiev, Ukraine
Phone +38 044 5371 466
E-mail office@paul-lange-ukraine.com
URL www.paul-lange-ukraine.com

UNITED KINGDOM / IRELAND
Madison
Burnell House, 8 Stanmore Hill
HA7 3BQ Stanmore Middlesex, United Kingdom
Phone +44 (0) 20 8385 3385
URL www.madison.co.uk

When participating in the sports depicted in this manual, SHIMANO recommends that you use the proper safety protection for that sport.
The riders seen in these pictures are experienced experts or professionals, and SHIMANO requests that you do not attempt to duplicate any of the actions shown in this brochure that are beyond the capabilities of your equipment or your own abilities.

Specifications are subject to change for improvement without notice.
© Jul. 2017 SHIMANO Inc., Printed in Germany, IWK, ITP

CATSH18EN
8 717009 379731