

SHIMANO

DURA-ACE

2022
BICYCLE COMPONENTS
TRADE SALES & SUPPORT MANUAL

English (U)

SHIMANO SPONSORSHIP

SHIMANO supports and encourages cyclists of all kinds by developing industry-leading bicycle products and equipment for a wide range of riding styles. SHIMANO also provides neutral support and sponsorship for local and international events including the UCI World Tour and World Championship races, the Enduro World Series, iconic one-day Classics and Grand Tours such as the Tour de France, La Vuelta and the Giro D'Italia. We are dedicated to creating a welcoming cycling culture through our support of all major categories including road, mountain bike, gravel, urban and beyond.





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For specifications and compatibility
>>> <https://productinfo.shimano.com>



For more technical information
>>> <https://si.shimano.com>



2022 NEW PRODUCTS

DURA-ACE ▶ 110

DURA-ACE R9200 Series



SHIMANO's new products of 2022 are DURA-ACE R9200 series and SHIMANO ULTEGRA R8100 series.

The latest technology of SHIMANO is equipped with the all new products.

SHIMANO
ULTEGRA ▶ 116
SHIMANO ULTEGRA R8100 Series









MOUNTAIN BIKE

GREAT PERFORMANCE AND GREAT FUN OF MTB RIDING

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.



MTB RIDING STYLES

							
		CROSS COUNTRY/ MARATHON	TRAIL	ENDURO/ ALL MOUNTAIN	FREERIDE	DOWNHILL	BMX
HIGH-END	MTB/GRAVITY						
	XTR M9100	■	■	■			
	SHIMANO DEORE XT M8100	■	■	■			
	SLX M7100	■	■	■			
	SHIMANO DEORE M6100	■	■	■			
	SHIMANO DEORE M5100	■	■	■			
	SHIMANO DEORE M4100	■	■	■			
	SHIMANO ALIVIO M3100	■					
	SHIMANO ACERA M3000	■					
	SHIMANO ALTUS M2000	■					
	SHIMANO Tourney TZ TX800	■					
	SHIMANO Tourney TY700/ TY500	■					
SHIMANO Tourney TX50/ TX30	■						
SHIMANO Tourney TZ TZ500	■						
ENTRY-LEVEL	SAINT M820			■	■	■	
	ZEE M640		■	■	■	■	
	SHIMANO DXR MX70						■

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. 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.

For compatibility information, go to <https://productinfo.shimano.com>



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.

- XTR
- DEORE XT
- SLX
- Di2
- DEORE
- SAINT
- ZEE
- DXR
- SHIMANO Series
- ALIVIO
- ACERA 9-speed
- ALTUS 9-speed
- ACERA ALTUS 8/7s
- TOURNEY TX
- TOURNEY
- TOURNEY TZ
- DEORE XT
- DEORE
- ALIVIO
- ACERA
- ALFINE
- NEXUS
- Hub Dynamo
- DURA-ACE
- ULTEGRA
- SHIMANO 105
- TIAGRA
- SORA
- CLARIS
- TOURNEY A070
- SHIMANO Series
- Others
- GRX

XTR

27 years of development and we're right back to where it all started, introducing the ultimate MTB race components. Designed to meet the highest level competitive mountain bike racing needs with a second to none performance and experience. XTR M9100 series brings the most versatile groupset for XC, enduro and marathon racing.

❖ MAJOR BENEFITS

- Greater flexibility and action-optimized cockpit layout to focus riding by I-SPEC EV
- Quicker lever access and light operation force by new shifting system for rider's concentration
- Definitive HYPERGLIDE+ shifting let you pedal continuously while shifting
- High-performance and optimal disc brake system for XC and Enduro racing



2/1x12-speed

https://productinfo.shimano.com/#/lc/xtr_m9100



XTR



SL-M9100
RAPIDFIRE
PLUS



SL-M9100



SL-M9100-I
RAPIDFIRE
PLUS



I-SPEC EV



SL-M9100-I



I-SPEC EV



SL-MT800
I-SPEC EV



FD-M9100-D



FD-M9100-E



FD-M9100-M

SL-M9100

RAPIDFIRE PLUS Shifting Lever

- Quicker lever access and light operation force maintains rider concentration (SL-M9100-R)
 - » 20% quicker lever access time (vs. M9000)
 - » -35% shifting operation force (vs. M9000)
- Greater flexibility and action-optimized cockpit layout
- Intuitive simple front control (SL-M9100-L)
 - » RAPIDFIRE PLUS MONO
- Compact design and lightweight (SL-M9100-L)
 - » Quicker rebound between actions maintains rider concentration
- Textured rubber grip
 - » A more tactile shifting experience with an anti-slip textured rubber pad on the thumb lever
- Weight: 117 g (SL-M9100-R), 79 g (SL-M9100-L)

SL-M9100-I

RAPIDFIRE PLUS Shifting Lever

- Quicker lever access and light operation force maintains rider concentration (SL-M9100-IR)
 - » 20% quicker lever access time (vs. M9000)
 - » -35% shifting operation force (vs. M9000)
- Greater flexibility and action-optimized cockpit layout
 - » I-SPEC EV
- Intuitive simple front control (SL-M9100-IL)
 - » RAPIDFIRE PLUS MONO
- Compact design and lightweight (SL-M9100-IL)
 - » A more tactile shifting experience with an anti-slip textured rubber pad on the thumb lever
- Weight: 112 g (SL-M9100-IR), 74 g (SL-M9100-IL)

SL-MT800-I

Seatpost Lever

- Faster & effortless operation
 - » Quick lever access from grip position with minimum hand movement
 - » Light operation effort by bearing
- Compatible with common adjustable seatpost
 - » 7 mm cable stroke
- Offer I-SPEC EV type only
- Weight: 37 g

FD-M9100

SIDE SWING Front Derailleur

- Smooth shifting by SIDE SWING mechanism
- D, E, M type mounts are available
- For 38-28T crankset
- Adapt 48.8 mm, 51.8 mm chainline
- M type mount requires adapter (ø34.9 mm) (FD-M9100-M)
- Total capacity: 10T
- Weight: 110 g (FD-M9100-D), 88 g (FD-M9100-E), 99 g (FD-M9100-M)

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-M9130-1



FC-M9130-1

12-speed Crankset

- Superior chain retention for smoother driving even over rough terrain
 - » Special MTB gear teeth profile improves chain engagement and retention
- Rigid and lightweight design for trail riding with direct mount chainring
- Q-factor: 171 mm
- Chainline: 56.5 mm
- O.L.D.: 157 mm
- Weight: 577 g (34T), 563 g (32T), 560 g (30T)

NEW

FC-M9125-1

12-speed Crankset

- Superior chain engagement and retention for smoother riding over rough terrain
 - » DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention
- Supports aggressive riding and improved maneuverability
 - » For 148 mm O.L.D. and 55 mm chain line
- Direct mount chainring
- Gear combination: 32T, 34T
- Crank arm length: 165 mm, 170 mm, 175 mm
- Weight: 587 g (34T), 573 g (32T)



FC-M9125-1



FC-M9100-1

HOLLOWTECH II Crankset

FC-M9120-1

HOLLOWTECH II Crankset

- Smoother driving even over bumpy terrain
 - » Special gear teeth profile designed for MTB riding usage
- Lighter and stiffer design & easy exchangeable chainring by direct mount and one key release
- Exchangeable of single and double chainring by direct mount
 - » Crankset can be used as common component
- Q-factor: 162 mm (FC-M9100-1), 168 mm (FC-M9120-1)
- Chainline: 52 mm
- Gear combination: 38T (SM-CRM95), 36T, 34T, 32T, 30T
- Crank arm length: 165 mm, 170 mm, 175 mm
- Weight: 541 g (38T, FC-M9100-1), 533 g (36T, FC-M9100-1), 521 g (34T, FC-M9100-1), 516 g (32T, FC-M9100-1), 517 g (30T, FC-M9100-1), 558 g (38T, FC-M9120-1), 550 g (36T, FC-M9120-1), 539 g (34T, FC-M9120-1), 534 g (32T, FC-M9120-1), 535 g (30T, FC-M9120-1)



FC-M9120-1





FC-M9120-B2



FC-M9100-2

HOLLOWTECH II Crankset

FC-M9120-B2

HOLLOWTECH II Crankset

- **Front double**
 - » Combine wide range and close gear steps
 - » Alloy inner chainring is installed with outer chainring by bolts
- **Faster acceleration**
 - » New drive system
- **Smoother driving even over bumpy terrain**
 - » Special gear teeth profile designed for MTB riding usage
- **Lighter and stiffer design & easy exchangeable chainring by direct mount and one key release**
- **Exchangeable of single and double chainring by direct mount**
 - » Crankset can be used as common component
- **Q-factor: 162 mm (FC-M9100-2), 168 mm (FC-M9120-B2)**
- **Chainline: 48.8 mm (FC-M9100-2), 51.8 mm (FC-M9120-B2)**
- **Gear combination: 38-28T**
- **Crank arm length: 165 mm, 170 mm, 175 mm**
- **Weight: 597 g (FC-M9100-2), 616 g (FC-M9120-B2)**



SM-BB93



SM-BB94-41A

SM-CRM95

Single Gear Chainring

- **Smoother driving even over bumpy terrain**
 - » Better chain engagement for greater chain retention
 - » Special gear teeth profile designed for MTB riding usage
- **DYNAMIC CHAIN ENGAGEMENT+**

SM-BB93

Bottom Bracket

SM-BB94-41A

Press-Fit Type

- **Lightweight to offset weight disadvantage of drivetrain**
 - » -19.3 g (SM-BB93 vs. SM-BB90A)
 - » -18.5 g (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)



SM-CD800-E



SM-CD800-D



SM-CD800-I

SM-CD800

Chain Device

- **Ensure stable drivetrain**
- **Optimized plate design for new generation chain**
- **Easy adjustment by screw**
- **Lightweight**
- **D, E, ISCG05 mount**
- **Weight: 28 g (SM-CD800-D), 25 g (SM-CD800-E), 33 g (SM-CD800-I)**



RD-M9100-SGS



RD-M9100

SHIMANO SHADOW RD+

- **Enhance shifting performance**
 - » Optimized for new drive system
- **Silent drivetrain**
 - » Decreased rear derailleur tension at low gear position, to prevent high chain tension at low gear
 - » Bumper structure at rear derailleur pulley cage reduces impact shock by absorbing chain impact on aggressive terrain
 - » Bigger 13T pulley
- **Low profile design**
 - SHIMANO SHADOW RD+
- **Low sprocket combination (RD-M9100-GS)**
 - » 10-45T (12-speed)
- **For more aggressive riding (RD-M9100-GS)**
 - » 28 mm better ground clearance (vs. RD-M9100-GS)
- **Low sprocket combination (RD-M9100-SGS)**
 - » 10-51T (12-speed)
- **Total capacity: 41T (RD-M9100-SGS), 35T (RD-M9100-GS)**
- **Weight: 240 g (RD-M9100-SGS), 237 g (RD-M9100-GS)**



RD-M9120-SGS



RD-M9120

SHIMANO SHADOW RD+

- **Enhance shifting performance**
 - Optimized for new drive system
- **Silent drivetrain**
 - » Decreased rear derailleur tension at low gear position, to prevent high chain tension
 - » Bigger 13T pulley
- **Low profile design**
 - SHIMANO SHADOW RD+
- **Low sprocket compatibility**
 - » 10-45T (2x12-speed)
 - » 10-45T (1x12-speed)
- **Total capacity: 41T**
- **Weight: 241 g**



CS-M9101-12

HYPERGLIDE+ 

* MICRO SPLINE patents are pending

NEW

CS-M9101-12

Cassette Sprocket (12-speed)

- **Definitive shifting**
 - » Let you pedal continuously while shifting
 - » Increased acceleration by reducing inertia and weight by BEAM SPIDER construction
- **New MICRO SPLINE* construction to engage FREEHUB body**
- **Gear combination: 10-51T (12-speed wide range spec.), 10-45T (12-speed rhythm step spec.)**
- **Weight: 357 g (10-45T), 367 g (10-51T)**



CN-M9100
HG SIL-TEC



SM-CN910-12
HG SIL-TEC

CN-M9100

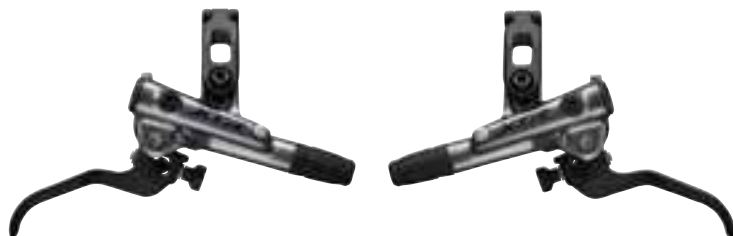
New Drive System Dedicated Design Chain

- **Smoother driving even over bumpy terrain**
 - » Greater chain retention to extend portion on the end of inner plate to firmly hold the tooth both front and cassette sprocket
 - » Enhancements to shifting performance
- **Compatible with new generation of drivetrain**
- **QUICK-LINK connecting & removing pliers (TL-CN10)**
- **Weight: 242 g**

SM-CN910-12

QUICK-LINK for New HG Chain

- **QUICK-LINK**
 - » Easy connect
 - » Quick assembly tool also available
 - » Non-reusable
- **Note: Not compatible current HG-X11 chain**



BL-M9120
I-SPEC EV SERVO WAVE Action

BL-M9120

Hydraulic Disc Brake Lever

BR-M9120

Hydraulic Disc Brake 4-piston Caliper

- **Seamless operation (BL-M9120)**
 - » Quicker rebound between actions maintains rider concentration
 - » Greater flexibility and action-optimized cockpit layout
 - » Update brake lever shape
- **High-performance brake control**
 - » Higher braking force with reduced input force at finger tips highly linear response, and braking power, stroke, and time lag reduced by 30% compared with M9000
- **High rigidity**
 - » 8% stiffer than M9000 even under high temp conditions
- **High power**
 - » 10% braking power up (vs. M9020)
 - 4 piston low-profile design
- **Quicker brake engagement with shorter free stroke**
- **Banjo type connection and inside hose routing**
- **Weight: 385 g (kit for front)**



BR-M9120
ICE TECHNOLOGIES Four Piston

SM-BH90-SBM

Disc Brake Hose

- **Straight-banjo type hose joint**



BL-M9100
I-SPECEV



BR-M9100



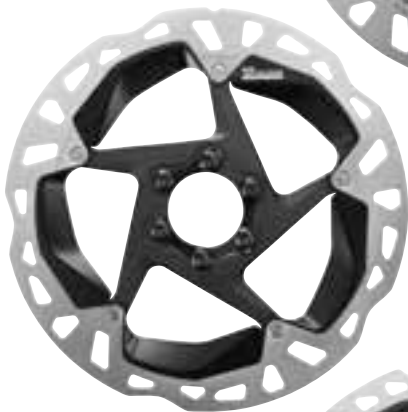
BR-M9110



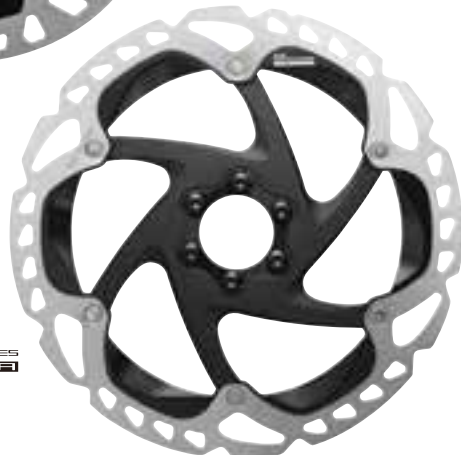
RT-MT900-M
ICE TECHNOLOGIES
FREEZA



RT-MT905-M



RT-MT905-L



BL-M9100

Hydraulic Disc Brake Lever

BR-M9100

Hydraulic Disc Brake 2-piston Caliper

- **Seamless operation (BL-M9100)**
 - » Quicker rebound between actions maintains rider concentration
 - » Greater flexibility and action-optimized cockpit layout
 - » Update brake lever shape
- **High-performance brake control**
 - » Higher braking force with reduced input force at finger tips highly linear response, and braking power, stroke, and time lag reduced by 30% compared with M9000
- **High rigidity**
 - » 10% stiffer than M9000 even under high temp conditions
 - » 1-piece aluminum caliper
- **Lightweight**
 - » Magnesium master cylinder
 - » 26 g lighter (vs. BL/BR-M9000 with disc brake rotor)
- **Quicker brake engagement with shorter free stroke**
- **Straight hose connection**
- **Weight: 312 g (kit for front)**

SM-BH90-SS

Disc Brake Hose

- **Straight type hose joint**

BR-M9110

Flat Mount Disc Brake Caliper

- **Clean & compact design**
- **Same braking power as post-mount 2-piston (BR-M9100)**
- **Same frame requirement as road flat mount**
- **Compatible disc brake rotor size: 140/160 mm**
- **Weight: 341 g (disc brake kit for front)**

RT-MT900

CENTER LOCK Disc Brake Rotor

- **High-performance and consistent brake performance**
 - » Stable and versatile brake performance in the most demanding conditions
- **New ICE TECHNOLOGIES FREEZA construction with high heat dissipation paint for boosting heat dissipation**
- **Rotor size**
 - » 140 mm, 160 mm, 180 mm, 203 mm
- **Weight: 89 g (140 mm), 108 g (160 mm), 131 g (180 mm), 147 g (203 mm)**

NEW

RT-MT905

6-Bolt Disc Brake Rotor

- **Delivering superb stopping power, consistency, and control for peak performance in the most challenging riding conditions**
 - » Ultimate heat reduction of ICE TECHNOLOGIES FREEZA rotor construction combined with special heat dissipation paint
- **Dramatically lower surface temperature improves braking performance and consistency (less fade) while reducing system noise and extending pad life**
- **203 mm RT-MT905 operates 100°C cooler compared with a 220 mm stainless steel disc brake rotor under the most extreme conditions with a more compact design**
- **Size: 180, 203 mm**
- **Weight: 187 g (203 mm)**



HB-M9110-B



HB-M9110/-B

Front Hub for Disc Brake

- O.L.D.: 100 mm (HB-M9110)
110 mm (HB-M9110-B)
- Weight: 134 g (HB-M9110), 138 g (HB-M9110-B)



HB-M9110-B5



HB-M9110-B5

Front Hub for Disc Brake, Straight Spoke Type

- O.L.D.: 110 mm
- Spoke Hole: 28H
- Spoke Pattern: 3 cross
- Rim diameter: 27.5"/29"
- Weight: 151 g



FH-M9111-B



* MICRO SPLINE patents are pending

FH-M9111

Rear FREEHUB for Disc Brake

FH-M9111-B

Rear FREEHUB for Disc Brake

- O.L.D.: 142 mm (FH-M9111)
148 mm (FH-M9111-B)
- Spoke Hole: 28H, 32H
- Quick engagement: max. 7.0 deg



FH-M9111-B5



* MICRO SPLINE patents are pending

FH-M9111-B5

Rear FREEHUB for Disc Brake, Straight Spoke Type

- O.L.D.: 148 mm
- Spoke Hole: 28H
- Spoke Pattern: 3 cross
- Quick engagement: max. 7.0 deg



AX-MT700

AX-MT700

12 mm Rear E-THRU axle I-type for 142 mm/148 mm/157 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**
- **Weight:** 75 g (AX-MT700-142x12), 76 g (AX-MT700-148x12), 79 g (AX-MT700-157x12)

SHIMANO DEORE XT

SHIMANO DEORE XT is the original mountain bike groupset trusted by generations of mountain bikers around the world. Whatever the trail, whatever you ride, XT is your solution for mountain biking today. Reliable shifting. Superior braking. Intuitive maintenance. XT is the high performance workhorse you can count on.

❖ MAJOR BENEFITS

- Unmatched shift quality under acceleration by HYPERGLIDE+
- Special MTB gear teeth profile improves chain engagement and retention by DYNAMIC CHAIN ENGAGEMENT+
- Wide adjustment range for customized ergonomics by I-SPEC EV



2/1x12-speed

https://productinfo.shimano.com/#/lc/deore_xt_m8100





SL-M8100-R
RAPIDFIRE PLUS Shifting Lever

SL-M8100-IR
RAPIDFIRE PLUS Shifting Lever

- **Quick and easy shifting heightens focus and control**
 - » Quicker lever access and light operation
 - RAPIDFIRE PLUS
 - » Instantaneous push and pull movements
 - 2-WAY RELEASE
 - » -35% shifting operation force (vs SL-M8000-R, SL-M8000-IR)
 - 20% quicker main lever access (vs SL-M8000-R, SL-M8000-IR)
- **Customizable ergonomics (SL-M8100-IR)**
 - » Adjust to the optimal position for any riding style or rider preference with clean cockpit
 - I-SPEC EV
- **Textured rubber grip (main lever only)**
 - » A more tactile shifting experience with an anti-slip textured rubber pad on the thumb lever
- **Weight:** 117 g (SL-M8100-R), 120 g (SL-M8100-IR)

SL-M8100-L
RAPIDFIRE PLUS MONO Shifting Lever

SL-M8100-IL
RAPIDFIRE PLUS MONO Shifting Lever

- **Light and responsive front shifting improves efficiency, control, and concentration**
 - » Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Instantaneous push and pull movements
 - 2-WAY RELEASE
 - » 20% quicker lever access (vs SL-M8000-L, SL-M8000-IL)
- **Customizable ergonomics (SL-M8100-IL)**
 - » Adjust to the optimal position for any riding style or rider preference with clean cockpit
 - I-SPEC EV
- **Lightweight and compact design boosts enjoyment on and off the trail**
- **Textured rubber grip**
 - » A more tactile shifting experience with an anti-slip textured rubber pad on the thumb lever
- **Weight:** 78 g (SL-M8100-L), 78 g (SL-M8100-IL)

FD-M8100
SIDE SWING Front Derailleur

- **Proprietary design aids in reliable shifts**
 - » Increased traction range and no chain rub for long travel bikes
 - SIDE SWING Front Derailleur
 - » Extra wide range with front double 36-26T
- **Wide frame mounting compatibility**
 - » Available in D, E, and M-type mounts
 - » *M type mount requires adapter (ø34.9 mm) (FD-M8100-M)
- **Greater tire clearance**
 - » Compatible with 2.3-inch tire on wider rims
- **Greater compatibility**
 - » One spec for 48.8 mm & 51.8 mm chainline
- **Total capacity:** 10T
- **Weight:** 135 g (FD-M8100-D), 106 g (FD-M8100-E), 114 g (FD-M8100-M)



FC-M8100-1



BB-MT800



BB-MT800-P



FC-M8100-2



FC-M8100-1

HOLLOWTECH II Crankset

- **Superior chain retention**
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- **Rigid and lightweight design for aggressive trail riding**
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- **Q-factor: 172 mm**
- **Chainline: 52 mm**
- **Weight: 608 g (28T), 622 g (30T), 620 g (32T), 633 g (34T), 651 g (36T)**
- **Gear combination: 28T, 30T, 32T, 34T, 36T**
- **Crank arm length: 165 mm, 170 mm, 175 mm, 180 mm**

BB-MT800

Threaded BB Type Bottom Bracket

BB-MT800-P

Press-Fit Type Bottom Bracket

FC-M8120-1

HOLLOWTECH II Crankset

- **Superior chain retention**
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- **Rigid and lightweight design for aggressive trail riding**
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- **Q-factor: 178 mm**
- **Chainline: 55 mm**
- **Weight: 616 g (28T), 630 g (30T), 628 g (32T), 642 g (34T), 660 g (36T)**
- **Gear combination: 28T, 30T, 32T, 34T, 36T**
- **Crank arm length: 165 mm, 170 mm, 175 mm, 180 mm**

FC-M8100-2

HOLLOWTECH II Crankset

- **Rigid and lightweight design for aggressive trail riding**
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- **Rider tunable**
 - » Exchangeable single/double chainring
 - Direct Mount
 - » Crankset can be used as common component
- **Q-factor: 172 mm**
- **Chainline: 48.8 mm**
- **Gear combination: 36-26T**
- **Crank arm length: 165 mm, 170 mm, 175 mm, 180 mm**
- **Weight: 654 g**

FC-M8120-B2

HOLLOWTECH II Crankset

- **Rigid and lightweight design for aggressive trail riding**
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- **Rider tunable**
 - » Exchangeable single/double chainring
 - Direct Mount
 - » Crankset can be used as common component
- **Q-factor: 178 mm**
- **Chainline: 51.8 mm**
- **Gear combination: 36-26T**
- **Crank arm length: 165 mm, 170 mm, 175 mm, 180 mm**
- **Weight: 672 g**



FC-M8130-1



FC-M8130-1 HOLLOWTECH II Crankset

- Superior chain retention
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- Rigid and lightweight design for aggressive trail riding
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- Q-factor: 181 mm
- Chainline: 56.5 mm
- 157 mm O.L.D.
- Gear combination: 28T, 30T, 32T, 34T
- Crank arm length: 165 mm, 170 mm, 175 mm, 180 mm
- Weight: 624 g (28T), 639 g (30T), 636 g (32T), 650 g (34T)



RD-M8100-SGS



SM-CRM85 Single Gear

- Superior chain retention
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- Gear combination: 28T, 30T, 32T, 34T, 36T



RD-M8100-GS



RD-M8100 SHIMANO SHADOW RD+

- Fast and precise shifting performance optimized to take on any trail
 - » Faster and shockless shifting
 - HYPERGLIDE+
 - » Wide range 12-speed drivetrain with low sprocket combination
 - 10-51T
- Silent drivetrain in all gear positions
 - » Decreased rear derailleur and chain tension in low gear
 - » Bumper structure at rear derailleur pulley cage reduces impact shock by absorbing chain impact on aggressive terrain
 - » Bigger 13T pulley
- Stable drivetrain on rough terrain
 - » Low-profile design
 - SHIMANO SHADOW RD+
- Total capacity: 41T
- Weight: 284 g

NEW

RD-M8100-GS SHIMANO SHADOW RD+

- Greater ground clearance supports aggressive riding
 - » 28 mm more ground clearance than RD-M8100-SGS
- Lightweight, short-cage design supports smooth rear suspension movement
- Fast and precise shifting performance optimized to take on any trail
- Silent drivetrain in all gear positions
 - » New bumper added to rear derailleur pulley cage
 - » Bigger 13T pulley
- Stable drivetrain in rough terrain
- Compatible with 10-45T cassette sprocket (1x12-speed)
- Total capacity: 35T

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



RD-M8120-SGS



RD-M8120

SHIMANO SHADOW RD+

- **Fast and precise shifting performance optimized to take on any trail**
 - » Faster and shockless shifting
 - HYPERGLIDE+
 - » Extra wide range with front double 36-26T & close step 12-speed drivetrain with low sprocket combination -10-45T
- **Silent drivetrain in all gear positions**
 - » Decreased rear derailleur and chain tension in low gear
 - » Bigger 13T pulley
- **Stable drivetrain on rough terrain**
 - » Low-profile design
 - SHIMANO SHADOW RD+
- **Total capacity: 45T**
- **Weight: 290 g**



CS-M8100-12



* MICRO SPLINE patents are pending

CS-M8100-12

Cassette Sprockets (12-speed)

- **Definitive shifting performance**
 - » New shift ramp designs provide the fastest, smoothest shifts by HYPERGLIDE+
 - BEAM SPIDER
 - » Lighter and stiffer construction
 - » Reduces cassette inertia resulting in faster acceleration and increased chain security
- **MICRO SPLINE**
 - » 10T lowest sprocket realized by new FREEHUB body construction
- **Wide range and close step 12-speed drivetrain**
- **Gear combination: 10-45T: (12-speed rhythm step spec.), 10-51T: (12-speed wide range spec.)**
- **Weight: 461 g (10-45T), 470 g (10-51T)**



CN-M8100



CN-M8100

New Drive System Dedicated Design Chain

- **Proprietary design ensures smooth shifts and strength**
 - » Extended inner plate improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- **Compatible with 12-speed drivetrain**
- **Easy connection (SM-CN910-12)**
 - » Non-reusable
 - » Quick assembly tool QUICK-LINK connecting & removing pliers (TL-CN10)
 - » QUICK-LINK connecting & removing pliers (TL-CN10)
- **Weight: 252 g**



BL-M8100



BL-M8100

Hydraulic Disc Brake Lever

- **Intuitive and versatile braking keeps your focus on the trail**
 - » Optimized lever axle position with additional contact point and refined ergonomics
 - » Greater flexibility and action-optimized cockpit layout
 - I-SPEC EV
- **High rigidity**
 - » 10% stiffer than M8000 even under high temp conditions
 - » Quicker brake engagement with shorter free stroke
- **Rider tuned adjustment**
 - » Toolless reach adjust
 - » Free stroke adjust



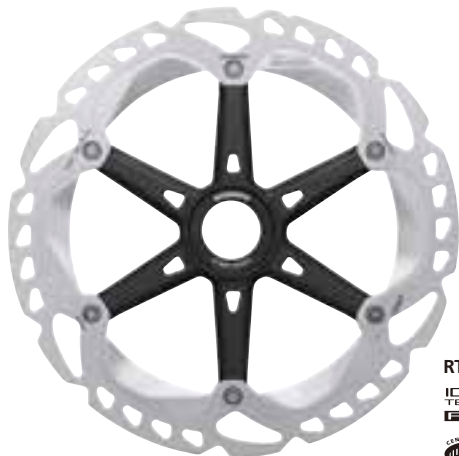
BR-M8120
ICE TECHNOLOGIES
Four
Piston



BR-M8100
ICE TECHNOLOGIES
ONE WAY BLEEDING



BR-M8110
ONE WAY BLEEDING



RT-MT800
ICE TECHNOLOGIES
FREEZA
CENTER LOCK



HB-M8110-B
CENTER LOCK

BR-M8120

Hydraulic Disc Brake Caliper

- Superior modulation gives you greater control
 - » Quicker Piston retraction
- High braking power instills greater downhill confidence and control
 - » Reduces disc brake rotor wobbling noise and increases braking power by 10% (vs. M8000)
 - » Four Piston
- Quick and easy assembly
 - » Banjo type connection and inside hose routing
- Weight: 410 g (kit for front)

BR-M8100

Hydraulic Disc Brake Caliper

- Superior modulation gives you greater control
 - » Quicker Piston retraction
- Lightweight
 - » Two piston
- Quick and easy assembly
 - » Banjo type connection and inside hose routing
- Weight: 392 g (kit for front)

BR-M8110

Flat Mount Disc Brake Caliper

- Clean & compact design
- Same braking power as post-mount 2-piston (BR-M8100)
- Same frame requirement as road flat mount
- Compatible disc brake rotor size: 180/140/160 mm

RT-MT800

CENTER LOCK Disc Brake Rotor

- Advanced heat sync design reduces brake fade
 - » New disc brake rotor construction boosts heat dissipation and reduces fade
 - ICE TECHNOLOGIES FREEZA
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
- Size: 140 mm, 160 mm, 180 mm, 203 mm
- Weight: 88 g (140 mm), 109 g (160 mm), 132 g (180 mm), 164 g (203 mm)

HB-M8110

Front Hub for Disc Brake

HB-M8110-B

Front Hub for Disc Brake

- Simple setup and reliable trail performance
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » Toolless 15 mm skewer system optimizes rigidity and weight
 - E-THRU axle
 - Labyrinth & Contact Sealing
- O.L.D.: 100 mm (HB-M8110)
110 mm (HB-M8110-B)

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



HB-M8110-BS



FH-M8110-B



* MICRO SPLINE patents are pending



FH-M8130-B



* MICRO SPLINE patents are pending



FH-M8110-B



* MICRO SPLINE patents are pending



AX-MT700

HB-M8110-BS

Front Hub for Disc Brake, Straight Spoke Type

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » Toolless 15 mm skewer system optimizes rigidity and weight
 - E-THRU axle
 - Labyrinth & Contact Sealing
- **O.L.D.: 110 mm**
- **Spoke Pattern: 3 cross**
- **Weight: 158 g**

FH-M8110

Rear FREEHUB for Disc Brake

FH-M8110-B

Rear FREEHUB for Disc Brake

- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
- **O.L.D.: 142 mm (FH-M8110)
148 mm (FH-M8110-B)**
- **Weight: 305 g (FH-M8110), 307 g (FH-M8110-B)**

FH-M8130-B

Rear FREEHUB for Disc Brake

- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » Extra wide O.L.D. spec: 157 mm
- **Weight: 310 g**

FH-M8110-BS

Rear FREEHUB for Disc Brake, Straight Spoke Type

- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
- **O.L.D.: 148 mm**
- **Spoke Pattern: 3 cross**
- **Weight: 306 g**

AX-MT700

12 mm Rear E-THRU axle I-type for 142 mm/148 mm/157 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**
- **Stiffer rear wheel option**
 - » O.L.D.: 142 mm/148 mm/157 mm
- **Weight: 75 g (AX-MT700-142x12), 76 g (AX-MT700-148x12), 79 g (AX-MT700-157x12)**



▶ 164



▶ 170

SLX

SLX is ready to go wherever and whenever you want, whether it's an all-day epic, the local cross country race, or a post-work ride with your buddies. It won't let you down.

❖ MAJOR BENEFITS

- Unmatched shift quality under acceleration by HYPERGLIDE+
- Special MTB gear teeth profile improves chain engagement and retention by DYNAMIC CHAIN ENGAGEMENT+
- Wide adjustment range for customized ergonomics by I-SPEC EV



2/1x12-speed

https://productinfo.shimano.com/#/lc/slx_m7100



MTB

TREKKING

URBAN

ROAD

GRAVEL

WHEEL

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SLX

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ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SLX



SL-M7100-R
RAPIDFIRE PLUS



SL-M7100-L
RAPIDFIRE PLUS MONO



SL-M7100-IR
RAPIDFIRE PLUS



I-SPEC EV



SL-M7100-IL
RAPIDFIRE PLUS MONO



I-SPEC EV



FD-M7100-M



FC-M7120-1



SL-M7100-R

RAPIDFIRE PLUS Shifting Lever

SL-M7100-IR

RAPIDFIRE PLUS Shifting Lever

- **Quicker lever access and light operation force improves concentration and enjoyment**
 - » Quicker lever access and light operation
 - RAPIDFIRE PLUS
 - » Instantaneous push and pull movements
 - 2-WAY RELEASE
 - » -35% shifting operation force (vs SL-M7000-R, SL-M7000-IR)
 - 20% quicker main lever access (vs SL-M7000-R, SL-M7000-IR)
- **Rider tunable (SL-M7100-IR)**
 - » Adjust to the optimal position for any riding style or rider preference with clean cockpit
 - I-SPEC EV
- **Weight: 117 g (SL-M7100-R), 117 g (SL-M7100-IR)**

SL-M7100-L

RAPIDFIRE PLUS MONO Shifting Lever

SL-M7100-IL

RAPIDFIRE PLUS MONO Shifting Lever

- **Easy and accessible front shifting improves efficiency and control**
 - » Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Instantaneous push and pull movements
 - 2-WAY RELEASE
 - » 20% quicker lever access (vs SL-M7000-L, SL-M7000-IL)
- **Rider tunable (SL-M7100-IL)**
 - » Adjust to the optimal position for any riding style or rider preference with clean cockpit
 - I-SPEC EV
- **Lightweight and compact design boosts enjoyment on and off the trail**
- **Weight: 77 g (SL-M7100-L), 77 g (SL-M7100-IL)**

FD-M7100

SIDE SWING Front Derailleur

- **Maintain focus and fun on rough, uneven terrain.**
 - » Increased traction range and no chain rub for long travel bikes
 - SIDE SWING Front Derailleur
 - » Extra wide range with front double 36-26T
- **Wide frame mounting compatibility**
 - » Available in D, E, and M-type mounts
 - » *M type mount requires adapter (ø34.9 mm) (FD-M7100-M)
- **Greater tire clearance**
 - » Compatible with 2.3-inch tire on wider rims
- **Greater compatibility**
 - » One spec for 48.8 mm & 51.8 mm chainline
- **Total capacity: 10T**
- **Weight: 135 g (FD-M7100-D), 106 g (FD-M7100-E), 114 g (FD-M7100-M)**

FC-M7100-1

HOLLOWTECH II Crankset

FC-M7120-1

HOLLOWTECH II Crankset

- **Superior chain retention**
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- **Rigid and lightweight design boosts trail-riding enjoyment**
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- **Easier gearing than racing groupsets**
- **Q-factor: 172 mm (FC-M7100-1), 178 mm (FC-M7120-1)**
- **Chainline: 52 mm (FC-M7100-1), 55 mm (FC-M7120-1)**
- **Gear combination: 30T, 32T, 34T**
- **Crank arm length: 165 mm, 170 mm, 175 mm**
- **Weight: 634 g (FC-M7100-1, 30T), 631 g (FC-M7100-1, 32T), 646 g (FC-M7100-1, 34T), 641 g (FC-M7120-1, 30T), 638 g (FC-M7120-1, 32T), 653 g (FC-M7120-1, 34T)**



FC-M7130-1



FC-M7130-1

HOLLOWTECH II Crankset

- Superior chain retention
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- Rigid and lightweight design boosts trail-riding enjoyment
 - » Hollow forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- Easier gearing than racing groupsets
- Q-factor: 181 mm
- Chainline: 56.5 mm
- 157 mm O.L.D. FREEHUB is recommended
- Gear combination: 30T, 32T, 34T
- Crank arm length: 165 mm, 170 mm, 175 mm
- Weight: 650 g (30T), 647 g (32T), 662 g (34T)



FC-M7100-2



SM-CRM75

Single Gear

- Superior chain retention
 - » Special MTB gear teeth profile improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- Rider tunable
 - » Exchangeable single/double chainring
 - Direct Mount
 - » Crankset can be used as common component
- Gear combination: 30T, 32T, 34T



FC-M7120-B2



FC-M7100-2

HOLLOWTECH II Crankset

- Smoother driving even over bumpy terrain
- Rigid and lightweight design boosts trail-riding enjoyment
 - » Hollow-forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- Rider tunable
 - » Exchangeable single/double chainring
 - Direct mount
 - » Crankset can be used as common component
- Easier gearing than racing groupsets
 - » Extra wide range with front double 36-26T
- Q-factor: 172 mm
- Chainline: 48.8 mm
- Gear combination: 36-26T
- Crank arm length: 165 mm, 170 mm, 175 mm
- Weight: 674 g

FC-M7120-B2

HOLLOWTECH II Crankset

- Smoother driving even over bumpy terrain
- Rigid and lightweight design boosts trail-riding enjoyment
 - » Hollow-forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
- Rider tunable
 - » Exchangeable single/double chainring
 - Direct mount
 - » Crankset can be used as common component
- Easier gearing than racing groupsets
 - » Extra wide range with front double 36-26T
- Q-factor: 178 mm
- Chainline: 51.8 mm
- Gear combination: 36-26T
- Crank arm length: 165 mm, 170 mm, 175 mm
- Weight: 682 g

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



BB-MT800



BB-MT800-PA



RD-M7100-SGS



RD-M7120-SGS



CS-M7100-12

HYPERGLIDE+ 

* MICRO SPLINE patents are pending



CN-M7100

SIL-TEC

BB-MT800

Bottom Bracket

BB-MT800-PA

Press-Fit Type Bottom Bracket

RD-M7100-SGS

SHIMANO SHADOW RD+

- **Advanced shifting performance provides the confidence to enjoy any trail**
 - » Fast and shockless shifting
 - HYPERGLIDE+
 - » Extra wide range 12-speed drivetrain -10-51T (12-speed)
- **Silent drivetrain in all gear positions**
 - » Decreased rear derailleur and chain tension in low gear
 - » Bumper structure at rear derailleur pulley cage reduces impact shock by absorbing chain impact on aggressive terrain
 - » Bigger 13T pulley
- **Stable drivetrain on rough terrain**
 - » Low-profile design
 - SHIMANO SHADOW RD+
- **Total capacity: 41T**
- **Weight: 316 g**

RD-M7120-SGS

SHIMANO SHADOW RD+

- **Advanced shifting performance provides the confidence to enjoy any trail**
 - » Fast and shockless shifting
 - HYPERGLIDE+
 - » Extra wide range with front double 36-26T & close step 12-speed drivetrain with low sprocket combination -10-45T
- **Silent drivetrain in all gear positions**
 - » Decreased rear derailleur and chain tension in low gear
 - » Bigger 13T pulley
- **Stable drivetrain on rough terrain**
 - » Low-profile design
 - SHIMANO SHADOW RD+
- **Total capacity: 45T**
- **Weight: 322 g**

CS-M7100-12

Cassette Sprockets

- **Advanced shifting performance provides the confidence to enjoy any trail**
 - » Pedal continuously while shifting
 - HYPERGLIDE+
 - » Lighter and stiffer cassette sprocket construction reduces inertia and increases acceleration
 - BEAM SPIDER
- **Lighter drivetrain set up**
 - » 10T lowest sprocket realized by new FREEHUB body construction
 - MICRO SPLINE
- **Wide range and close step 12-speed drivetrain**
- **Gear combination: 10-45T: (12-speed rhythm step spec.), 10-51T: (12-speed wide range spec.)**
- **Weight: 513 g (10-45T), 534 g (10-51T)**

CN-M7100

New Drive System Dedicated Design Chain

- **Proprietary design ensures smooth shifts and strength**
 - » Extended inner plate improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- **Compatible with 12-speed drivetrain**
- **Easy connection (SM-CN910-12)**
 - » Non-reusable
 - » Quick assembly tool QUICK-LINK connecting & removing pliers (TL-CN10)
 - QUICK-LINK
 - » QUICK-LINK connecting & removing pliers (TL-CN10)
- **Weight: 252 g**



BL-M7100

Hydraulic Disc Brake Lever

- **Seamless braking raises rider concentration and enjoyment**
 - » Optimized lever axle position with additional contact point and refined ergonomics
- **Stable and versatile high-performance brake control**
 - » 10% stiffer than M7000 even under high temp conditions
 - » Quicker brake engagement with shorter free stroke
- **Rider tunable**
 - » Greater flexibility and action-optimized cockpit layout
 - I-SPEC EV
- **Simple set up and adjustment**
 - » Toolless reach adjust



BR-M7120

Hydraulic Disc Brake Caliper

- **Stable and versatile high-performance brake control**
 - » Quicker Piston retraction
- **High power braking instills greater downhill confidence and control**
 - » Reduces disc brake rotor wobbling noise and increases braking power by 10% (vs. M7000)
 - » Four Piston
- **Quick and easy assembly**
 - » Banjo type connection and inside hose routing
- **Weight: 444 g (kit for front)**



BR-M7100

Hydraulic Disc Brake Caliper

- **Stable and versatile high-performance brake control**
 - » Quicker Piston retraction
- **Lightweight braking performance**
 - » Two piston
- **Quick and easy assembly**
 - » Banjo type connection and inside hose routing
- **Weight: 425 g (kit for front)**



BR-M7110

Flat Mount Disc Brake Caliper

- **Clean & compact design**
- **Same braking power as post-mount 2-piston (BR-M7100)**
- **Same frame requirement as road flat mount**
- **Compatible disc brake rotor size: 180/140/160 mm**



SM-RT70

CENTER LOCK Disc Brake 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: 140, 160, 180, 203 mm**
- **Weight: 193 g (203mm), 159 g (180mm), 133 g (160mm), 121 g (140 mm)**

MTB

TREKKING
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ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

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SHIMANO Series

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ACERA ALTUS 8/7s

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TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



HB-M7110-B



FH-M7110-B



* MICRO SPLINE patents are pending



FH-M7130-B



* MICRO SPLINE patents are pending



FH-MT500-B



* MICRO SPLINE patents are pending



FH-MT510-B



* MICRO SPLINE patents are pending



AX-MT500

HB-M7110

Front Hub for Disc Brake

HB-M7110-B

Front Hub for Disc Brake

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » Toolless 15 mm skewer system is stiff and lightweight
 - E-THRU axle
 - Labyrinth & Contact Sealing
- **O.L.D.: 100 mm (HB-M7110)
110 mm (HB-M7110-B)**
- **Weight: 142 g (HB-M7110), 147 g (HB-M7110-B)**

FH-M7110

Rear FREEHUB for Disc Brake

FH-M7110-B

Rear FREEHUB for Disc Brake

- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » 12 mm E-THRU axle
- **O.L.D.: 142 mm (FH-M7110)
148 mm (FH-M7110-B)**
- **Weight: 350 g (FH-M7110), 354 g (FH-M7110-B)**

FH-M7130-B

Rear FREEHUB for Disc Brake

- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
 - » 12 mm E-THRU axle
- **Stiffer rear wheel option**
 - » Extra wide O.L.D. spec: 157 mm
- **Weight: 359 g**

FH-MT500

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

FH-MT500-B

Rear FREEHUB for Disc Brake (141 mm O.L.D.)

FH-MT510

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

FH-MT510-B

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

- **Quick and Easy Assembly by CENTER LOCK**
- **10T top wide range cassette compatible**

AX-MT500

12 mm Rear E-THRU axle I-type for 142 mm/148 mm/157 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**
- **Stiffer rear wheel option**
 - » Extra wide O.L.D. spec: 157 mm
- **Weight: 79 g (AX-MT500-142x12), 80 g (AX-MT500-148x12), 83 g (AX-MT500-157x12)**

MTB Electronic Specification



SHIMANO **DEORE XT** M8050 Series



2/1x11-speed

https://productinfo.shimano.com/#/lc/deore_xt_m8050

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

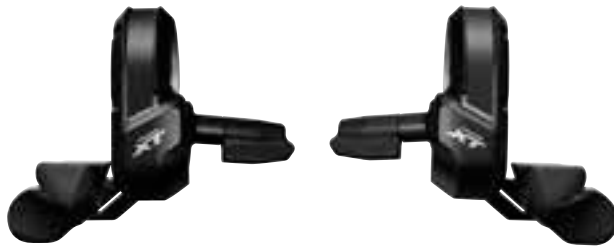
CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



SW-M8050



SW-M8050

FIREBOLT Shifter

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



FD-M8070



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: 134 g**



RD-M8050-GS



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: 319 g**



SC-MT800



SC-MT800

System Information Display

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



EW-WU111



EW-WU111

Wireless Unit (2 port)

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



SM-EW90-A



SM-EW90-A/B

Junction for Around Cockpit Area

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



BT-DN110-A



BT-DN110

Built-in Type Battery

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



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-PCE02

SM-PCE02

PC Linkage Device

- **Improved the quality** for the communication against noise
- **Easy checking function** for current leakage



SM-BTR1



SM-BTR1

Battery

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



BM-DN100-L



BM-DN100-S



SM-BCR1



SM-BA01

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

Battery Charger Cord

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-JC41



SM-JC40



SM-JC40

Junction B (4 Port)

- For external wire routing

SM-JC41

Junction B (4 Port)

- For internal wire routing for SD50 cable

SHIMANO DEORE

SHIMANO DEORE brings even more adventure to your outdoor lifestyle with a wider range of gear choices for the steep stuff, the fast stuff and the fun. Heighten your mountain biking confidence and control with smooth riding, improved chain stability, and sharp shifting on the trail. Climb steeper trails and fly down descents with improved stability and predictable control. Ride your way with SHIMANO DEORE.

❖ MAJOR BENEFITS

- Unmatched shifting quality under acceleration
- Wide adjustment range for customized ergonomics

12s 1x12-speed



<https://productinfo.shimano.com/#/lc/deore/1x12>

11s 2/1x11-speed



<https://productinfo.shimano.com/#/lc/deore/1x11>

10s 2/1x10-speed



<https://productinfo.shimano.com/#/lc/deore/1x10>



SHIMANO DEORE 12s

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR
DEORE XT
SLX
Di2

DEORE

SAINT
ZEE
DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



SL-M6100-R
RAPIDFIRE PLUS



SL-M6100-IR
RAPIDFIRE PLUS



I-SPEC EV



SL-MT500-IL
I-SPEC EV



SL-MT500-L



FC-M6120-1



DYNAMIC CHAIN ENGAGEMENT

SL-M6100-R

RAPIDFIRE PLUS Shifting Lever

- Quick and easy shifting
 - » Quicker lever access and light operation
 - » Shifts max. 3 gears at a time (Main lever)
- OPTICAL GEAR DISPLAY option for easy visible gear position

SL-M6100-IR

RAPIDFIRE PLUS Shifting Lever

- Quick and easy shifting
 - » Quicker lever access and light operation
 - » Shifts max. 3 gears at a time (Main lever)
- Clean and action-optimized cockpit
- 14 mm slide adjustment range
- OPTICAL GEAR DISPLAY option for easy visible gear position

SL-MT500-IL/L

Seat Post Lever

- Quick lever access from grip position with minimum hand movement
- Compatible with commonly used dropper seat posts
 - » 9 mm cable stroke
- 14 mm slide adjustment range (SL-MT500-IL)
- Available in I-SPEC EV and band type

FC-M6100-1/M6120-1/M6130-1

2-PIECE CRANKSET

- Superior chain retention for smoother riding even over rough terrain
 - » DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention
- Direct mount chainring
- Q-factor: 172 mm (FC-M6100-1), 178 mm (FC-M6120-1), 181 mm (FC-M6130-1)
- Chainline: 52.0 mm (FC-M6100-1), 55.0 mm (FC-M6120-1), 56.5 mm (FC-M6130-1)
- O.L.D.: 142 mm (FC-M6100-1), 148 mm (FC-M6100-1, FC-M6120-1), 157 mm (FC-M6130-1)
- Gear combination: 30T, 32T
- Crank arm length: 165 mm, 170 mm, 175 mm



FC-MT511-1



FC-MT511-1
2-PIECE CRANKSET

- Smoother riding even over rough terrain
» DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention
- Q-factor: 178.5 mm
- Chainline: 52 mm
- Gear combination: 30T, 32T
- Crank arm length: 165 mm, 170 mm, 175 mm



FC-MT510-1



FC-MT510-1
2-PIECE CRANKSET

- Smoother riding even over rough terrain
» DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention
- Q-factor: 177 mm
- Chainline: 52 mm
- Gear combination: 30T, 32T, 34T
- Crank arm length: 170 mm, 175 mm



BB-MT500-P



SM-BB52

BB-MT500-P
Press-Fit Type Bottom Bracket

SM-BB52
Bottom Bracket

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



RD-M6100-SGS



RD-M6100-SGS
SHIMANO SHADOW RD+ Rear Derailleur

- 1x12-speed SHIMANO SHADOW RD+ rear derailleur
- Fast and precise shifting for modern mountain biking
- Silent drivetrain in all gear positions
» Decreased rear derailleur and chain tension in low gear
» Bigger 13T pulley
- Stable drivetrain in rough terrain
» Low-profile design avoids damage from rocks
» Chain stabilizer reduces chain drop, slap and noise
- Max. low sprocket: 51T
- Total capacity: 41T



CS-M6100-12

HYPERGLIDE+ 

* MICRO SPLINE patents are pending

CS-M6100-12

Cassette Sprocket

- **Trickle down technologies at its best**
 - » HYPERGLIDE+ provides fast and smooth shifting
 - » BEAM SPIDER construction cuts weights and boosts stiffness
- **10-51T wide range 12-speed gear combination**

XTR
 DEORE XT
 SLX
 Di2

DEORE

SAINT
 ZEE
 DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



CN-M6100

HG **HYPERGLIDE+**

CN-M6100

HG 12-speed Chain

- **Proprietary design ensures smooth shifting and strength**
 - » Extended inner plate improves chain engagement and retention
 - » Shorter shift times and less pedaling shock
 - » Optimized to work with HYPERGLIDE+ cassette sprockets and DYNAMIC CHAIN ENGAGEMENT+ chainrings
- **Weight: 252 g**



BL-M6100

I-SPEC EV **SERVO WAVE**
 Action

BL-M6100

Hydraulic Disc Brake Lever

- **Intuitive and powerful braking**
 - » Quicker brake engagement with shorter free stroke
 - » Rider tunable and action-optimized cockpit
- **High-performance brake control**
 - » Additional contact point for a stiffer brake lever
- **10 deg. rotation angle setting range for I-SPEC EV shifting lever**



BR-M6120

ICE TECHNOLOGIES

 **Four Piston**

BR-M6120

Hydraulic Disc Brake Caliper

- **Superior modulation gives you the power you need**
 - » Quick piston retraction
 - » High power 4-piston disc brake caliper



BR-M6100

ICE TECHNOLOGIES

 **ONE WAY BLEEDING**

BR-M6100

Hydraulic Disc Brake Caliper

- **Superior modulation gives you the power you need at low weight**
 - » Quick piston retraction
 - » Lightweight 2-piston disc brake caliper



HB-MT410-B



HB-MT410/-B

Front Hub for Disc Brake

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff & lightweight 15 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Industrial bearing
- **O.L.D.: 100 mm, 110 mm**



FH-MT410-B



* MICRO SPLINE patents are pending

FH-MT410/-B

FREEHUB for Disc Brake

- **Faster acceleration makes every moment on the trail more enjoyable**
 - » Smaller spline diameter for 10T top gear
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff & lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Industrial bearing
- **O.L.D.: 142 mm, 148 mm**



FH-MT401-B



* MICRO SPLINE patents are pending

FH-MT401/-B

FREEHUB for Disc Brake

- **Faster acceleration makes every moment on the trail more enjoyable**
 - » Smaller spline diameter for 10T top gear
- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » QR axle type
 - » Labyrinth & Contact Sealing
 - » Industrial bearing
- **O.L.D.: 135 mm, 141 mm**

SHIMANO DEORE 11s



SL-M5100-IR
RAPIDFIRE PLUS



SL-M5100-R

RAPIDFIRE PLUS



SL-M5100-IL

RAPIDFIRE PLUS MONO



SL-M5100-L

RAPIDFIRE PLUS MONO



FD-M5100-D

SIDE SWING
Front Derailleur



FD-M5100-E

SIDE SWING
Front Derailleur



FD-M5100-M

SIDE SWING
Front Derailleur

SL-M5100-IR/R

RAPIDFIRE PLUS Shifting Lever

- Quicker lever access and light operation
- Shifts max. 3 gears at a time (Main lever)
- OPTICAL GEAR DISPLAY option for easy visible gear position
- Available in I-SPEC EV and band type

SL-M5100-IL/L

RAPIDFIRE PLUS MONO Shifting Lever

- For 2x11 and 2x10-speed
- Light and responsive front shifting improves efficiency and control
- Shift both up and down with a single lever
- Lightweight and compact design
- Available in I-SPEC EV and band type

FD-M5100-D/E/M

SIDE SWING Front Derailleur

- Wider tire clearance
 - » Compatible with 2.3-inch tire on wider rims
- Different options available
 - » Available in D, E, and M-type mounts
- Front-Pull cable route
- Total capacity: 10T

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-M5100-1



FC-M5100-1

2-PIECE CRANKSET

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- HG-X11 11-speed/HG-X 10-speed
- Q-factor: 178.5 mm
- Chainline: 52 mm
- Gear combination: 30T, 32T
- Crank arm length: 170 mm, 175 mm



FC-M5100-B2



FC-M5100-2/B2

2-PIECE CRANKSET

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- Extra wide range with front double 36-26T
- Q-factor: 178.5 mm
- Chainline: 48.8 mm/51.8 mm
- Gear combination: 36-26T
- Crank arm length: 170 mm, 175 mm



BB-MT500-P

SM-BB52

BB-MT500-P

Press-Fit Type Bottom Bracket

SM-BB52

Bottom Bracket

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



RD-M5100-SGS



RD-M5100-SGS

SHIMANO SHADOW RD+ Rear Derailleur

- 1x11-speed SHIMANO SHADOW RD+ rear derailleur
- Stable drivetrain on the trail
 - » Low-profile design avoids damage from rocks
 - » Chain stabilizer reduces chain drop, slap and noise
- Silent drivetrain in all gear positions
 - » Decreased rear derailleur and chain tension in low gear
 - » Bigger 13T pulley
- Max. low sprocket: 51T
- Total capacity: 40T



RD-M5120-SGS



RD-M5120-SGS

SHIMANO SHADOW RD+ Rear Derailleur

- Stable drivetrain on the trail
 - » Low-profile design avoids damage from rocks
 - » Chain stabilizer reduces chain drop, slap and noise
- Silent drivetrain in all gear positions
 - » Decreased rear derailleur and chain tension in low gear
- Max. low sprocket
 - » 42T (2x11/10-speed), 46T (1x10-speed)
- Total capacity: 41T



CS-M5100-11
 HG
 HYPERGLIDE



CN-HG601-11
 HG-X11
 SIL-TEC



HB-M6000
 CENTER LOCK



FH-M6000
 CENTER LOCK



HB-M6010-B
 CENTER LOCK



FH-M6010-B
 CENTER LOCK

CS-M5100-11

Cassette Sprocket

- Ride anywhere with smooth and precise HG shifting
- 11-speed cassette sprocket
 - » 11-51T wide gear range
 - » 11-42T close gear step
- Steel gears

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)

HB-M6000

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

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

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

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)

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)

XTR
 DEORE XT
 SLX
 Di2
 DEORE
 SAINT
 ZEE
 DXR
 SHIMANO Series
 ALIVIO
 ACERA 9-speed
 ALTUS 9-speed
 ACERA ALTUS 8/7s
 TOURNEY TX
 TOURNEY
 TOURNEY TZ
 DEORE XT
 DEORE
 ALIVIO
 ACERA
 ALFINE
 NEXUS
 Hub Dynamo
 DURA-ACE
 ULTEGRA
 SHIMANO 105
 TIAGRA
 SORA
 CLARIS
 TOURNEY A070
 SHIMANO Series
 Others
 GRX

SHIMANO DEORE 10s



Optical Gear Display

SL-M4100-IR

RAPIDFIRE PLUS



I-SPEC EV



Optical Gear Display

SL-M4100-R

RAPIDFIRE PLUS



SL-M5100-IL

RAPIDFIRE PLUS MONO



I-SPEC EV



SL-M5100-L

RAPIDFIRE PLUS MONO



FD-M4100-D

SIDE SWING
Front Derailleur



FD-M4100-E

SIDE SWING
Front Derailleur



FD-M4100-M

SIDE SWING
Front Derailleur

SL-M4100-IR/R

RAPIDFIRE PLUS Shifting Lever

- Quicker lever access and light operation
- Shifts max. 3 gears at a time (Main lever)
- OPTICAL GEAR DISPLAY option for easy visible gear position
- Available in I-SPEC EV and band type

SL-M5100-IL/L

RAPIDFIRE PLUS MONO Shifting Lever

- For 2x11 and 2x10-speed
- Light and responsive front shifting improves efficiency and control
- Shift both up and down with a single lever
- Lightweight and compact design
- Available in I-SPEC EV and band type

FD-M4100-D/E/M

SIDE SWING Front Derailleur

- Smooth and quiet front shifting on the trail
 - » More powerful outward shifting
 - » Wider traction range reduces chain rub for rear suspension bikes
 - » Extra wide range with front double 36-26T
- Wider tire clearance
 - » Compatible with 2.3-inch tire on wider rims
- Different options available
 - » Available in D, E, and M-type mounts
 - » *M type mount requires adapter (ø34.9 mm)
 - » One spec for 48.8 mm & 51.8 mm chainline
- Total capacity: 10T



FC-M5100-1 2-PIECE CRANKSET

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- HG-X11 11-speed/HG-X 10-speed
- Q-factor: 178.5 mm
- Chainline: 52 mm
- Gear combination: 30T, 32T
- Crank arm length: 170 mm, 175 mm



FC-M4100-2/B2 2-PIECE CRANKSET

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- Extra wide range
- Q-factor: 178.5 mm
- Chainline: 48.8 mm/51.8 mm
- Gear combination: 36-26T
- Crank arm length: 170 mm, 175 mm



BB-MT500-P Press-Fit Type Bottom Bracket

SM-BB52 Bottom Bracket

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



RD-M5120-SGS SHIMANO SHADOW RD+ Rear Derailleur

- Stable drivetrain on the trail
 - » Low-profile design avoids damage from rocks
 - » Chain stabilizer reduces chain drop, slap and noise
- Silent drivetrain in all gear positions
 - » Decreased rear derailleur and chain tension in low gear
- Max. low sprocket
 - » 42T (2x11/10-speed), 46T (1x10-speed)
- Total capacity: 41T



RD-M4120-SGS SHIMANO SHADOW RD

- For 2X11 and 2x10-speed
- Low-profile design avoids damage from rocks
- Silent drivetrain in all gear positions
- Max. low sprocket: 42T
- Total capacity: 41T



CS-M4100-10
HG-X
HYPERGLIDE



CN-HG54
HG-X



BL-M4100
I-SPEC EV



BR-MT420



BR-MT410

ICE TECHNOLOGIES



CS-M4100-10

Cassette Sprocket

- Ride anywhere with smooth and precise HG shifting
- 10-speed cassette sprocket: 11-46T, 11-42T

CN-HG54

Super Narrow HG-X chain (10-speed)

- Mud shedding design
- Directional chain
 - » Further evolution of shifting performance
- Weight: 273 g (114 Links)

BL-M4100

Hydraulic Disc Brake Lever

- Intuitive and powerful braking
 - » Quicker brake engagement with shorter free stroke
 - » Rider tunable and action-optimized cockpit
- High-performance brake control
 - » Additional contact point for a stiffer brake lever
- 10 deg. rotation angle setting range for I-SPEC EV shifting lever

BR-MT420

4-piston Hydraulic Disc Brake

- 90% braking power vs. BR-MT520
- 20% increase braking power vs. current 2-piston BR-MT400
- 150% better wear-resistance vs. current 2-piston BR-MT400
- Brake pad: resin, metal
- Combination with BL-MT401

BR-MT410

Hydraulic Disc Brake Caliper

- Superior modulation gives you the power you need
 - » Quick piston retraction
 - » Lightweight 2-piston disc brake caliper

SAINT

“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

<https://productinfo.shimano.com/#/lc/saint>



MTB

TREKKING

URBAN

ROAD

GRAVEL

WHEEL

PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



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

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)



SL-M820-B-I





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



BR-M820



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)

SM-BH90-SBLS

Brake Hose

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



RT-MT900-M
ICE TECHNOLOGIES FREEZA
CENTER LOCK

RT-MT900

CENTER LOCK Disc Brake Rotor

- High-performance and consistent brake performance
 - » Stable and versatile brake performance in the most demanding conditions
- New ICE TECHNOLOGIES FREEZA construction with high heat dissipation paint for boosting heat dissipation
- Rotor size
 - » 140 mm, 160 mm, 180 mm, 203 mm
- Weight: 89 g (140 mm), 108 g (160 mm), 131 g (180 mm), 147 g (203 mm)



HB-M820
CENTER LOCK

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
CENTER LOCK

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.)

- 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)



"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

<https://productinfo.shimano.com/#/lc/zee>



MTB

TREKKING

URBAN

ROAD

GRAVEL

WHEEL

PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-M640
HG-X



SM-BB52



BL-M640-B



BR-M640



HB-M640



FH-M640



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: 817 g (FC-M640, 36T, 175 mm, w/o BB)
847 g (FC-M645, 36T, 175 mm, w/o BB)

SM-BB52

Bottom Bracket

- Better sealing performance

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

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: D015 Resin/D025 Metal
- Weight: 314g (F&R, Resin pad)

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

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.)

- 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)



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



<https://productinfo.shimano.com/#/lc/dxr>

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR
DEORE XT
SLX
Di2
DEORE
SAINT
ZEE
DXR

SHIMANO Series
ALIVIO
ACERA 9-speed
ALTUS 9-speed
ACERA ALTUS 8/7s
TOURNEY TX
TOURNEY
TOURNEY TZ
DEORE XT
DEORE
ALIVIO
ACERA
ALFINE
NEXUS
Hub Dynamo
DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
TOURNEY A070
SHIMANO Series
Others
GRX



FC-MX71
HOLLOWTECH II

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
- Chaining 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

- Chaining 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



SHIMANO Series



FC-MT610-B2



FC-MT512-1



FC-MT700-B2

DYNA-SYS II



FC-MT600-2

DYNA-SYS II



BB-MT800



BB-MT800-PA

For 12-speed

FC-MT610-2/B2

2-PIECE CRANKSET

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- Extra wide range with front double 36-26T
- Q-factor: 172.9 mm (FC-MT610-2), 178.9 mm (FC-MT610-B2)
- Chainline: 48.8 mm (FC-MT610-2), 51.8 mm (FC-MT610-B2)
- O.L.D.: 142 mm (FC-MT610-2)
148 mm (FC-MT610-B2)
- Crank arm length: 170 mm, 175 mm

NEW

FC-MT512-1

2-PIECE CRANKSET

- Superior chain engagement and retention for smoother riding over rough terrain
 - » DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention
- Supports aggressive riding and improved maneuverability
 - » For 148 mm O.L.D. and 55 mm chain line
- Direct mount chainring
- Gear combination: 30T, 32T
- Crank arm length: 165 mm, 170 mm, 175 mm

For 11-speed

FC-MT700-B2

Chain Line 3mm Outboard (2x11-speed)

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

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-spoke structure for stable shifting
- Gear combination: 34-24T, 36-26T
- Crank arm length: 170 mm, 175 mm

BB-MT800

Threaded BB Type Bottom Bracket

BB-MT800-PA

Press-Fit Type Bottom Bracket

For 10-speed



FC-M627-B

Chain Line 3mm Outboard (2x10-speed)

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

SM-BB52

Threaded BB Type Bottom Bracket

- Better sealing performance



FC-MT500-3

Crankset (3x10-speed)

- **Solid pedaling efficiently**
 - » Balance of strength and lightweight by 2pcs crank construction
- **Most affordable 2pcs crank (10-speed)**
 - » 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**
- **Gear combination: 40-30-22T**
- **Crank arm length: 170, 175 mm**



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 chainering
- **Stable shifting performance in any suspension position**
 - » Single-spike structure for stable shifting
- **Gear combination: 36-26T**
- **Crank arm length: 170 mm, 175 mm**

SHIMANO Series

SHIMANO Series

For 10-speed



FC-T551



SM-BB52

FC-T551



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

Threaded BB Type Bottom Bracket

- Better sealing performance



FC-T521



BB-ES300



FC-T521



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
 - » 26 g lighter weight than BB-ES25
- Quick and precise assembly
 - » Good chain line control with chain stabilizer

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



CS-HG50-10



For 9-speed



ST-EF505-9R



ST-EF505-L

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

XTR
DEORE XT
SLX
Di2
DEORE
SAINT
ZEE
DXR

SHIMANO Series

ALIVIO
ACERA 9-speed
ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-MT210-3



44-32-22T 40-30-22T

FC-MT210-3

2-PIECE CRANKSET

- Smooth and precise shifting performance for trail focused riders
 - » Narrow Q-factor provides comfortable MTB riding
 - HYPERDRIVE
- Cascading higher series MTB image
 - » Anodized crank
 - » 2-PIECE CRANKSET
- Gear combination: 44-32-22T, 40-30-22T



FC-MT210-2



BB-MT500

FC-MT210-2/B2

2-PIECE CRANKSET

- Smooth and precise shifting performance for trail focused riders
 - » Narrow Q-factor provides comfortable MTB riding
 - HYPERDRIVE
- Cascading higher series MTB image
 - » Anodized crank
- Gear combination: 46-30T, 36-22T (FC-MT210-2), 36-22T (FC-MT210-B2 3 mm outboard)

BB-MT500

Threaded BB Type Bottom Bracket

- Better sealing and rotation, same as SM-BB52

SHIMANO Series

For 9-speed



FC-MT101

FC-MT101

Crankset (3x9-speed)

- Smooth and precise shifting performance for trail focused riders
 - » HYPERDRIVE
- Gear combination: 44-32-22T, 40-30-22T



FC-MT101-2

FC-MT101-2

Crankset (2x9-speed)

- Precise and reliable shifting
 - » SG-X chainrings
 - » Consistent off-road front shifting
 - HYPERDRIVE
- Gear combination: 36-22T



FC-MT101-B2

FC-MT101-B2

Crankset (2x9-speed)

- Precise and reliable shifting
 - » SG-X chainrings
 - » Consistent off-road front shifting
 - HYPERDRIVE
- Chainline: 51.8 mm
- Gear combination: 36-22T



CS-HG400-9

CS-HG400-9



CS-HG201-9

CS-HG201-9



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-M3100)
 - HYPERGLIDE technology
- Lightweight design
- Quick and easy assembly with cassette sprocket cap
- Gear combination: 11-25T, 11-28T, 11-32T, 11-34T, 11-36T, 12-36T

CS-HG201-9

HG Cassette Sprocket (9-speed)

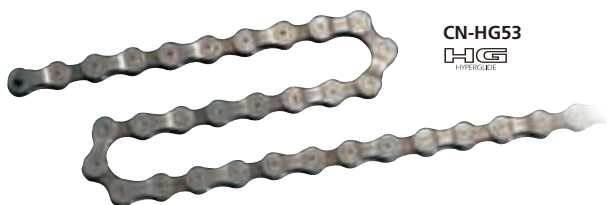
- Close gear steps between primary sprockets creates smooth, comfortable pedaling
 - » Available in 11-32T, 11-34T and new 11-36T gear spec
 - » Quick and easy assembly with cassette sprocket cap
 - HYPERGLIDE technology
- Ride proudly with a high-end appearance
 - » SHIMANO logo on lowest sprocket
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



CS-HG200-9



CS-HG200-9



CN-HG53



ST-EF505



ST-EF500-8R2A



ST-EF500-L2A



ST-EF500-7R2A

For 9-speed

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-EF505-8

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
 - EZ FIRE PLUS

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

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

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SAINT

ZEE

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SHIMANO Series

ALIVIO

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ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO Series



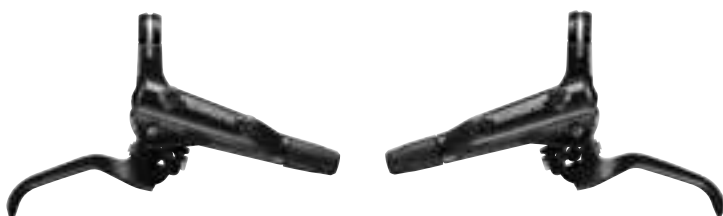
ST-EF500-2L



CS-HG41-7



CS-HG200-7



BL-MT501

1-spec. II

BR-MT500



BR-MT520



For 8/7-speed

ST-EF500-2L

EZ FIRE PLUS Shifting/Brake Lever

- Newly added 2x8/7-speed spec.
- OPTICAL GEAR DISPLAY for easy visible gear position

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

Hydraulic Disc Brakes

BL-MT501

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

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

BR-MT520

Hydraulic Disc Brake Caliper

- High power brake performance boosts rider confidence and enjoyment
 - » Wider contact area of dual diameter opposed-piston design
 - Four Piston Caliper
- Highly responsive braking power for greater control
 - » Rapid initial pad contact and controllable brake power modulation
- Stable braking and greater durability
 - » Sleek and durable master cylinder design
 - » Heat insulated pad and piston

Hydraulic Disc Brakes

BL-MT402-3A

Hydraulic Disc Brake Lever

- **Well-suited for various grip stances & SL combinations**
 - » Ergonomic 3-finger lever is comfortable and responsive on long treks
- **Simple & clean cockpit**
 - » Sleek master cylinder design
- **Tuned for broad-spectrum trekking**
 - » Well-balanced braking power and modulation
 - » For 2/4-piston disc brake caliper
- **Clean and easy fluid maintenance**
 - » Funnel bleeding
 - ONE WAY BLEEDING



BR-MT420

4-piston Hydraulic Disc Brake

- **90% braking power vs. BR-MT520**
- **20% increase braking power vs. current 2-piston BR-MT400**
- **150% better wear-resistance vs. current 2-piston BR-MT400**
- **Brake pad: resin, metal**
- **Combination with BL-MT401**

BR-MT420



ONE WAY BLEEDING



BR-MT400

Hydraulic Disc Brake Caliper

- **Tailored for entry MTB riders**
 - » Braking power tuned for entry MTB riders
- **Long-lasting braking performance**
 - » Easy, quick and clean installation
 - ONE WAY BLEEDING
 - SHIMANO Hydraulic Mineral Oil
 - » Balanced braking power

BR-MT400



ONE WAY BLEEDING



BL-MT401

Hydraulic Disc Brake Lever

- **Tailored for entry MTB riders**
 - » Sleek design inherited from MTB racing components
 - Anodized alloy 2-finger brake lever
 - » Braking power tuned for entry MTB riders
 - » Accessible lever reach designed for small hands
 - Minimum reach 75 mm
- **Long-lasting braking performance**
 - » Easy, quick and clean installation
 - Funnel bleeding
 - SHIMANO Hydraulic Mineral Oil
 - » Balanced braking power



BR-UR300

Hydraulic Disc Brake Caliper

- **Clean integrated appearance**
 - » Mount directly without an adaptor
 - Flat mount
- **Powerful hydraulic disc brake performance**
 - » Ample brake power for entry level riders
 - Same level as M315/MT201
 - » High braking modulation
 - » Resin pad
- **Reliable braking with fewer distractions**
 - » Less pad rattling noise
 - 40% wider pad clearance than MT400
 - » Easy, quick and clean installation
 - ONE WAY BLEEDING
 - SHIMANO hydraulic mineral oil



SHIMANO Series



Hydraulic Disc Brakes

BL-MT200

Hydraulic Disc Brake Lever

BL-MT201

Hydraulic Disc Brake Lever

BR-MT200

Hydraulic Disc Brake Caliper

- **SHIMANO Hydraulic Disc Brake performance**
 - » Versatile design matches numerous bike styles
 - Anodized Alloy 2/3-finger brake lever (BL-MT201)
 - Slender steel 2/3-finger brake lever (BL-MT200)
 - » Braking power adjusted for entry level riders
 - 90% of MT400 kit
 - » Accessible lever reach designed for small hands
 - Minimum reach 75 mm
- **Reliable braking performance with less noise**
 - » Easy, quick and clean installation
 - ONE WAY BLEEDING
 - Funnel bleeding
 - SHIMANO Hydraulic Mineral Oil
 - » Less pad rattling noise
 - 40% wider pad clearance

Mechanical Disc Brakes

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**

CENTER LOCK Disc Brake Rotors

SM-RT64

CENTER LOCK Disc Brake Rotor

- **Larger disc brake rotor option provides consistent brake performance with more power**
 - » 220 mm disc brake rotor provides 10% more stopping power than 203 mm
- **Resin/Metal pad compatible**
- **CENTER LOCK disc brake rotor mount**
- **Size: 160, 180, 203, 220 mm**

SM-RT54

CENTER LOCK Disc Brake Rotor

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

SM-RT30

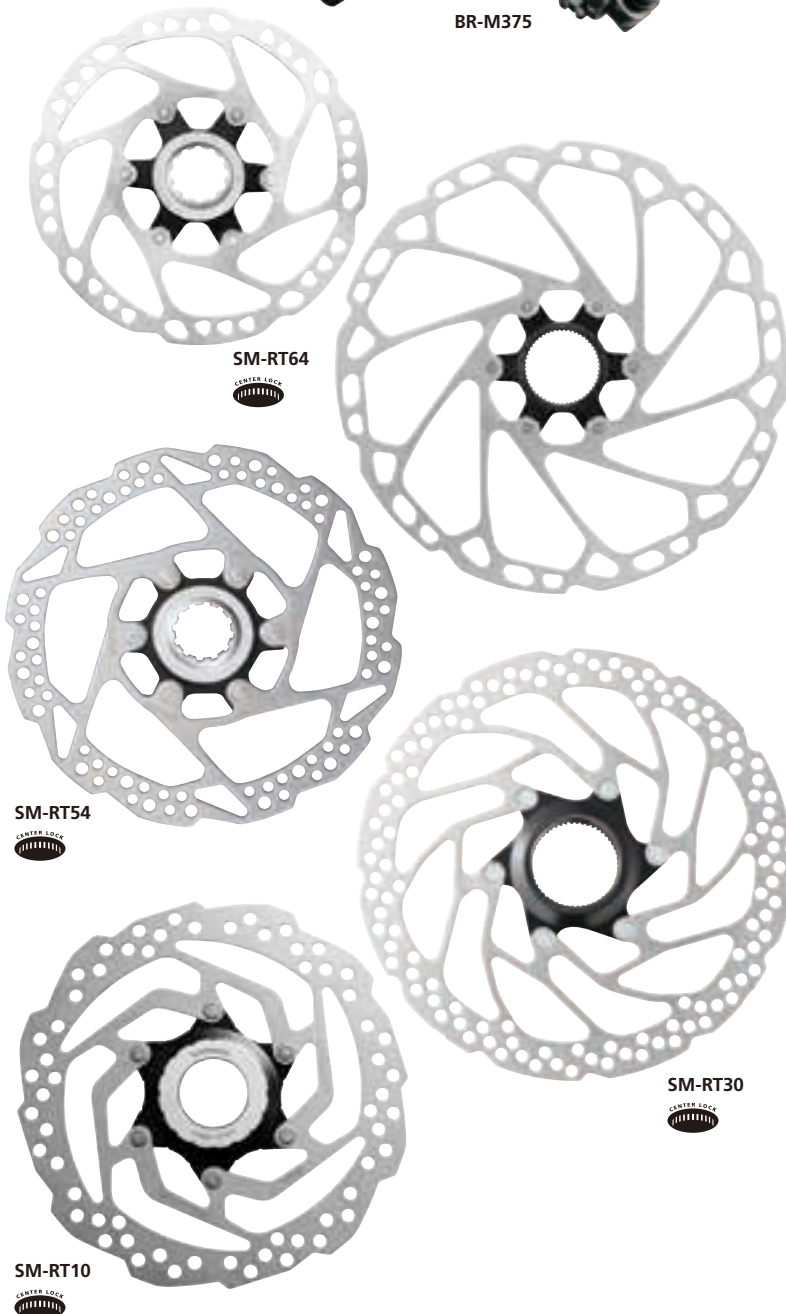
CENTER LOCK Disc Brake Rotor

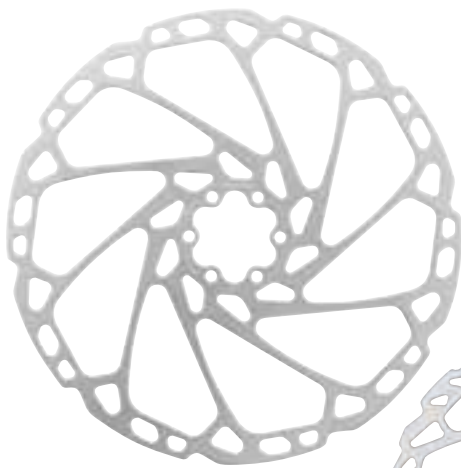
- **Easy set-up and adjustment**
- **Fast/quick assemble feature**
 - » CENTER LOCK
- **Designed for resin pad only**
- **160 mm, 180 mm, 203 mm**

SM-RT10

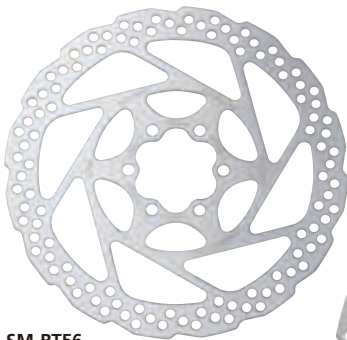
CENTER LOCK Disc Brake Rotor

- **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, 180 mm**

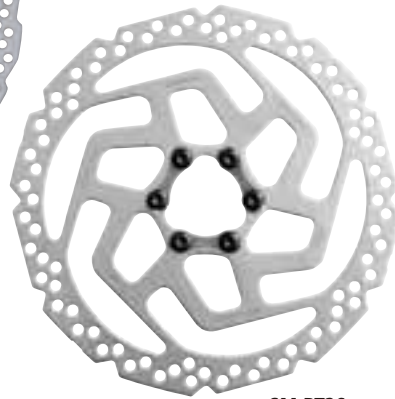
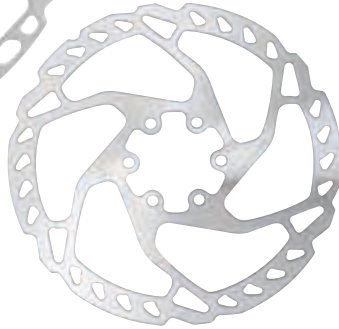




SM-RT66



SM-RT56



SM-RT26



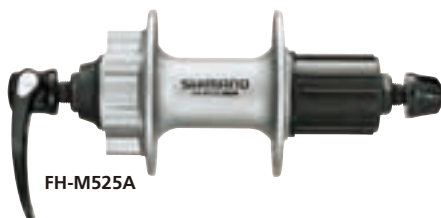
HB-M756



FH-M756



HB-M525A



FH-M525A

6-Bolt Disc Brake Rotors

SM-RT66

6-Bolt Disc Brake Rotor

- Larger disc brake rotor option provides consistent brake performance with more power
 - » 220 mm disc brake rotor provides 10% more stopping power than 203 mm
- Easy to install anti-loosen plates help secure disc brake rotor bolts in place
- Resin/Metal pad compatible
- Size: 160, 180, 203, 220 mm

SM-RT56

6-Bolt Disc Brake Rotor

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

SM-RT26

6-Bolt Disc Brake Rotor

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

6-Bolt Disc Brake Rotor Mount



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

MTB

TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO Series



HB-M475



FH-M475

6-Bolt Disc Brake Rotor Mount

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



HB-M4050



FH-M4050



CENTER LOCK Disc Brake Rotor Mount

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



HB-MT400



FH-MT400



HB-MT400

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

FH-MT400

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

- Stiffer wheel rigidity
 - » 100 mm x 15 mm front E-THRU (HB-MT400)
 - » 142 mm x 12 mm rear E-THRU (FH-MT400)
- Quick and easy assembly
 - CENTER LOCK

CENTER LOCK Disc Brake Rotor Mount



HB-MT400-B



FH-MT400-B



HB-MT200



FH-MT200-B



HB-RM35



FH-RM35



FH-TY500-7

HB-MT400-B

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

FH-MT400-B

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

- **Stiffer wheel rigidity**
 - » 110 mm x 15 mm front E-THRU (HB-MT400-B)
 - » 148 mm x 12 mm rear E-THRU (FH-MT400-B)
- **Quick and easy assembly**
 - CENTER LOCK

HB-MT200

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

FH-MT200-B

FREEHUB for Hydraulic Disc Brake (141 mm O.L.D.)

- **Stiffer wheel rigidity**
 - » 141 mm QR (FH-MT200-B)
- **Essential function tailored for entry MTB riders**
 - » Smooth rotation with less drag (HB-MT200)
- **Quick and easy assembly**
 - CENTER LOCK

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-TY500-7

FREEHUB for Rim Brake (7-speed)

- **Smooth rotation & durable stress-free riding**
 - » Angular contact bearings reduce load on the axle
 - Cup & Cone Bearing
 - More uniform spoke tensioning than rear hub system for stronger, longer lasting wheels
 - » **Adjustable bearing system**
 - Cup & Cone Bearing
 - Quick release type (FH-TY500-7-QR)
 - Nut type (FH-TY500-7-NT)

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO ALIVIO

Freedom to Ride. SHIMANO ALIVIO M3100 is a durable and reliable groupset that gives first-time mountain bike riders the confidence to go out and enjoy the trails. Anyone curious about mountain biking can easily experience the excitement with lighter, more responsive and highly visible shifting, wide gear range, and a low-profile rear derailleur. ALIVIO M3100 will make rider's first-taste of biking a memory they'll want to recreate again and again.

❖ MAJOR BENEFITS

- SHIMANO SHADOW RD rear derailleur offers super low profile design and optimized shifting performance
- Light and responsive front and rear shifting by RAPIDFIRE PLUS Shifter



3/2x9-speed

<https://productinfo.shimano.com/#/lc/alivio>



SL-M3100-R
RAPIDFIRE PLUS Optical Gear Display

SL-M3100-R

RAPIDFIRE PLUS Shifting Lever

- Quicker lever access and light operation
- Shifts max. 3 gears at a time (Main lever)
- OPTICAL GEAR DISPLAY for easy visible gear position



SL-M3100-L
 Optical Gear Display
RAPIDFIRE PLUS

SL-M3100-2L/L

RAPIDFIRE PLUS Shifting Lever

- Light and responsive front shifting improves efficiency and control
- OPTICAL GEAR DISPLAY for easy visible gear position (SL-M3100-L)



SL-M3100-2L
 **RAPIDFIRE PLUS MONO**



FD-M3120-D
SIDE SWING
Front Derailleur



FD-M3120-E
SIDE SWING
Front Derailleur



FD-M3120-M
SIDE SWING
Front Derailleur



FD-M3100-M
SIDE SWING
Front Derailleur



RD-M3100-SGS



FD-M3120-D/E/M

SIDE SWING Front Derailleur

- For front double chainring
- Smooth and quiet front shifting on the trail
 - » More powerful outward shifting
 - » Wider traction range reduces chain rub for rear suspension bikes
 - » Extra wide range with front double 36-22T
- Wide frame mounting compatibility
 - » Available in D, E, and M-type mounts
 - » *M type mount requires adapter (ø34.9 mm)
- Compatible with 2.3-inch tire on wider rims
- One spec for 48.8 mm & 51.8 mm chainline
- Total capacity: 14T

FD-M3100-M

SIDE SWING Front Derailleur

- For front triple chainring
- Smooth and quiet front shifting on the trail
 - » More powerful outward shifting
 - » Wider traction range reduces chain rub for rear suspension bikes
 - » Extra wide range with front triple 40-30-22T
- Compatible with 2.3-inch tire on wider rims
- Chainline: 50 mm
- Total capacity: 18T

RD-M3100-SGS

SHIMANO SHADOW RD

- Low-profile design
- Max. low sprocket: 36T
- Adjustment barrel
- Total capacity: 45T

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



3/2x9-speed

<https://productinfo.shimano.com/#/lc/acera>



SL-M3000
MEGA 9 LITE Optical Gear Display



SL-M3010
Optical Gear Display



FD-M3000
MEGA 9 LITE



HB-M3050
CENTER LOCK



FH-M3050
CENTER LOCK

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

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-TS6

TOP SWING Front Derailleur (3x9-speed)

- **Enhanced control for big wheel bikes**
 - » Special MEGA 9 LITE drivetrain combinations for 26 inch, 27.5 inch 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**

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

SHIMANO ALTUS 9-speed

ENJOY STRESS FREE LONG RIDING

Control bike as you wish!

SHIMANO 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. SHIMANO ALTUS offer identity ownership with upgraded features/appearance.

❖ MAJOR BENEFITS

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



3/2x9-speed

<https://productinfo.shimano.com/#/lc/altus>



ST-EF505-L
 Optical Gear Display

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



ST-EF505-9R
 Optical Gear Display

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



ST-EF505-2L
 Optical Gear Display

ST-EF505-2L

EZ FIRE PLUS Shifter with Hydraulic Disc Brake (2x9/8/7-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 MT200 kit
- **Lighter operating force and greater compatibility with internal cable frames**
 - » High efficiency cable
 - OPTISLICK
- **Ergonomic total system design**
 - » Integrates smoothly with three-finger alloy hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS

MTB
 TREKKING
 URBAN
 ROAD
 GRAVEL
 WHEEL
 PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO ALTUS 9-speed



SL-M2010-9R RAPIDFIRE PLUS Shifting Lever (2/3x9-speed)

SL-M2010-L RAPIDFIRE PLUS Shifting Lever (3x9-speed)

SL-M2010-2L RAPIDFIRE PLUS Shifting Lever (2x9-speed)

- Light shifting operation, wider compatibility, and suitable for internal cable routing
 - » Slim main lever body
 - RAPIDFIRE PLUS
 - » OPTISLICK for smooth shifting performance
 - » MEGA 9 LITE close ratio gearing (SL-M2010-9R, SL-M2010-L)
- Streamlined cockpit experience
 - » Gear display positioned below the handlebar
 - » Numbered gear display indicates gear position at a glance
 - OPTICAL GEAR DISPLAY

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-M370-3/6 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

FD-M2020-TS TOP SWING Front Derailleur (2x9-speed)

- Improved tire clearance
 - » TOP SWING Front Derailleur
- Precise and reliable shifting
 - » Wide Link
 - » Consistent off-road front shifting
 - HYPERDRIVE
- Greater compatibility
 - » One spec for 48.8 mm & 51.8 mm chainline
- Total capacity: 14T



FC-M371



FC-M371



BB-UN101



BB-UN300



RD-M2000



RD-M370-SGS



RD-M370-SGS



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

BB-UN101

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- 2 structures available
 - » Standard and chain case options
- Adapter material: Resin

BB-UN300

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

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

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

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO *Acera* **ALTUS** 8/7-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



3/2x8/7-speed

https://productinfo.shimano.com/#/lc/acera_altus



ST-EF505-L
Optical Gear Display

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



ST-EF505-8R
Optical Gear Display

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



ST-EF505-2L
Optical Gear Display

ST-EF505-2L

EZ FIRE PLUS Shifter with Hydraulic Disc Brake (2x9/8/7-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 MT200 kit
- **Lighter operating force and greater compatibility with internal cable frames**
 - » High efficiency cable
 - OPTISLICK
- **Ergonomic total system design**
 - » Integrates smoothly with three-finger alloy hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS

SHIMANO **Acera ALTUS** 8/7-speed



ST-EF505-7R
Optical Gear Display



SL-M315-L
DUAL sis INDEX Optical Gear Display



SL-M315-2L
DUAL sis INDEX Optical Gear Display



SL-M315-8R
sis INDEX Optical Gear Display



SL-M315-7R
sis INDEX Optical Gear Display



ST-M310-8R2
Optical Gear Display

ST-EF505-7R

EZ FIRE PLUS Shift with Hydraulic Disc Brake (2/3x7-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 MT200 kit
- OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame
 - » Reasonable price as compared with the mechanical disc-brake combination
- Best balance of brake lever/shifting lever operation
- 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-M315-L

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

SL-M315-2L

RAPIDFIRE PLUS shifting Lever (2x8/7-speed)

SL-M315-8R

RAPIDFIRE PLUS shifting Lever (2/3x8-speed)

SL-M315-7R

RAPIDFIRE PLUS shifting Lever (2/3x7-speed)

- Light shifting operation, wider compatibility, and suitable for internal cable routing
 - » Slim main lever body
 - RAPIDFIRE PLUS
- Streamlined cockpit experience
 - » Gear display positioned below the handlebar
 - » Numbered gear display indicates gear position at a glance
 - 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

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR
DEORE XT
SLX
DI2
DEORE
SAINT
ZEE
DXR
SHIMANO Series
ALIVIO
ACERA 9-speed
ALTUS 9-speed
ACERA ALTUS 8/7s
TOURNEY TX
TOURNEY
TOURNEY TZ
DEORE XT
DEORE
ALIVIO
ACERA
ALFINE
NEXUS
Hub Dynamo
DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
TOURNEY A070
SHIMANO Series
Others
GRX



FD-M310



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



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



FD-TY710-2-TS3



FD-TY710-2-TS3

TOP SWING Front Derailleur (2x8/7-speed)

- Easier and comfortable front shifting
 - » Precision indexed SIS shifting
 - DUAL SIS
- Quick and easy assembly
 - » Improved tool access for inner link
 - » Pre-assembled inner cable fixing nut
- Versatile performance and wide compatibility
 - » Single spec that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » Resin clamp band adapter
- Total capacity: 16T



FD-M315-TS



FD-M315-TS

TOP SWING Front Derailleur (2x8/7-speed)

- Improved tire clearance
 - » TOP SWING Front Derailleur
- Precise and reliable shifting
 - » Wide Link
 - » Consistent off-road front shifting
 - HYPERDRIVE
- Greater compatibility
 - » One spec for 48.8 mm & 51.8 mm chainline
- Total capacity: 14T



FC-TY501-2


FC-TY501-2 Crankset (2x8/7-speed)

- Precision indexed SIS shifting
 - DUAL SIS
- With or without chain guard
- Gear combination: 46-30T



FC-M315-2


FC-M315-2 Crankset (2x8/7-speed)

- Precise and reliable shifting
 - » SG-X chainrings
 - » Consistent off-road front shifting
 - HYPERDRIVE
- Gear combination: 36-22T



FC-M315-B2


FC-M315-B2 Crankset (2x8/7-speed)

- Precise and reliable shifting
 - » SG-X chainrings
 - » Consistent off-road front shifting
- HYPERDRIVE
- Chainline: 51.8 mm
- Gear combination: 36-22T



BB-UN101



BB-UN300

BB-UN101 Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- 2 structures available
 - » Standard and chain case options
- Adapter material: Resin

BB-UN300 Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

XTR
 DEORE XT
 SLX
 Di2
 DEORE
 SAINT
 ZEE
 DXR
 SHIMANO Series
 ALIVIO
 ACERA 9-speed
 ALTUS 9-speed
 ACERA ALTUS 8/7s

TOURNEY TX
 TOURNEY
 TOURNEY TZ
 DEORE XT
 DEORE
 ALIVIO
 ACERA
 ALFINE
 NEXUS
 Hub Dynamo
 DURA-ACE
 ULTEGRA
 SHIMANO 105

TIAGRA
 SORA
 CLARIS
 TOURNEY A070
 SHIMANO Series
 Others
 GRX



RD-M360-SGS



RD-M310-Smart



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



CS-HG41-8



CS-HG31-8



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 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



CN-HG71

HG Chain

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



FH-TY505-7



FH-TY505-7

Rear FREEHUB for Disc Brake (7-speed)

- Long-lasting performance
 - » Quality construction resists axle bending
 - » Smooth rotation and longer durability
 - Cup & Cone
- Quick and easy assembly
 - CENTER LOCK
- QR type only

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

https://productinfo.shimano.com/#/lc/tourney_tx



ST-TX800



ST-TX800



FD-TX800



FC-TX801



FC-TX801



BB-UN300



BB-UN101

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-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

Crankset (3x8-speed)

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

BB-UN300

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

BB-UN101

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- 2 structures available
 - » Standard and chain case options
- Adapter material: Resin



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 Cassette Sprocket (8-speed)

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

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-TX506

Hubs for 6-bolt Disc Brake

- 6-bolt type disc brake mount
- QR type
- O.L.D.: 100 mm
- Cup & Cone Bearing
- Color: Black

FH-TX506

Hubs for 6-bolt Disc Brake

- 6-bolt type disc brake mount
- For 8/9/10-speed
- QR type
- O.L.D.: 135 mm
- Cup & Cone Bearing
- Color: Black

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

Rear FREEHUB for Disc Brake

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

HB-TX500

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

- Front hub and rear FREEHUB for rim-brake bikes

FH-TX500-8

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

- Front hub and rear FREEHUB for rim-brake bikes

SHIMANO *Tourney* SHIMANO *Tourney*

3x7/6-speed
1x7/6-speed



<https://productinfo.shimano.com/#/1/tourney>

SL-RV200-7R



REVOSHIFT
Shifter
Optical Gear
Display



SL-RV200-6R



REVOSHIFT
Shifter
Optical Gear
Display



SL-RV200-L



REVOSHIFT
Shifter
Optical Gear
Display



SL-RV200-LN

REVOSHIFT
Shifter



FD-TY710



FD-TY700-TS6



FD-TY510



SL-RV200-7R/6R/L/LN

REVOSHIFT Shifter (1/3x7/6-speed)

- Ergonomic grip design with light shifting operation for small hand riders (around 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily-visible gear position indicator
- Front friction type available (SL-RV200-LN)

Index 48-38-28T compatible

FD-TY710-TS3/TS6

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

- Smooth, light and 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

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

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

MTB

TREKKING

URBAN

ROAD

GRAVEL

WHEEL

PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FD-TY500-TS6



FD-TY300-DS6



FC-TY501



FC-TY501



FC-TY501



BB-UN101



FC-TY301



BB-UN300

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**

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-TY501

Crankset (3x8/7/6-speed)

- **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**

BB-UN101

Square Type Bottom Bracket

- **SHIMANO quality/performance cartridge bearing square bottom bracket**
- **2 structures available**
 - » Standard and chain case options
- **Adapter material: Resin**

FC-TY301

Crankset (3x8/7/6-speed)

- **Light and reliable shifting**
 - » Precision indexed shifting
 - DUAL SIS
- **Versatile performance**
- **Wide compatibility with multiple components**
- **Quick and precise assembly**
- **Gear combination: 42-34-24T, 48-38-28T**
- **Crank arm length: 170, 175 mm**

BB-UN300

Square Type Bottom Bracket

- **SHIMANO quality/performance cartridge bearing square bottom bracket**
- **Better chainline stability with chainline stabilizer**
- **3 structures available**
 - » Standard, E-type, chain case options
- **Adapter material: Aluminum**



RD-TY500
 SIS INDEX

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
 SIS INDEX

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**



RD-TY200-GS
 SIS INDEX

RD-TY200-GS

Rear Derailleur

- **3x7/6-speed rear derailleur**
- **Solid shifting performance**
- **Double tension construction**
- **Combination of front triple with rear 14-28T only**
- **Sporty design in black**



CS-HG200-7
 HG HUBSCOPE

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**



FH-TY500-7

FH-TY500-7

FREEHUB for Rim Brake (7-speed)

- **Smooth rotation & durable stress-free riding**
 - » Angular contact bearings reduce load on the axle
 - Cup & Cone Bearing
 - More uniform spoke tensioning than rear hub system for stronger, longer lasting wheels
 - » Adjustable bearing system
 - Cup & Cone Bearing
 - Quick release type (FH-TY500-7-QR)
 - Nut type (FH-TY500-7-NT)

XTR
 DEORE XT
 SLX
 Di2
 DEORE
 SAINT
 ZEE
 DXR
 SHIMANO Series
 ALIVIO
 ACERA 9-speed
 ALTUS 9-speed
 ACERA ALTUS 8/7s
 TOURNEY TX
TOURNEY
 TOURNEY TZ
 DEORE XT
 DEORE
 ALIVIO
 ACERA
 ALFINE
 NEXUS
 Hub Dynamo
 DURA-ACE
 ULTEGRA
 SHIMANO 105
 TIAGRA
 SORA
 CLARIS
 TOURNEY A070
 SHIMANO Series
 Others
 GRX

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/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-TX50-7R
SIS INDEX Optical Gear Display

SL-RS45-8R/7R/L

REVOSHIFT Shifter (3x8/7-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-RS36-7R/L

REVOSHIFT Shifter (3x7-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-speed easy gear changing with REVOSHIFT shifter
- OPTICAL GEAR DISPLAY
- CI-DECK gear indicator compatible
- Right: 7-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



SL-TX50-LN

SL-FT55-7R



SL-TX30-LN

SL-TX30-7R



RD-TY200-SS

SL-TX30-6R



RD-TY21-B-SS

RD-TY21-B-GS



CN-HG40



HB-IM40



FH-IM20



RH-IM10

Rear SIS Shift Lever

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

REVOSHIFT Shifter (3x7-speed) (Left Shifter is non-SIS)

SL-RS35-7R/6R/LN

REVOSHIFT Shifter (3x7/6-speed) (Left Shifter is non-SIS)

RD-TY200-SS

Rear Derailleur

- **1x7/6-speed short cage rear derailleur**
- **Solid shifting performance with broad combination of gear options**
» Double tension construction
- **Enough ground clearance for 18" bikes**
- **Wide gear combinations provide broad compatibility**
» 14-28T, 14-34T (MF-TZ510)
» 12-28T, 12-32T (CS-HG200-7)
- **Max. low sprocket: 34T**
- **Sporty design in black**
- **Total capacity: 20T**

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

HG Chain

- **HG chain for precise HYPERDRIVE SIS/DUAL SIS index shifting**
- **Weight: 324 g**

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

FH-IM20

Rear FREEHUB for roller brake

- **For CS-HG20-7**
- **O.L.D.: 134.7 mm (7-speed)**

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)**

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



SL-TZ500-7R



SL-TZ500-6R



SL-TZ500-LN

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 front shifting system (SL-TZ500-LN)

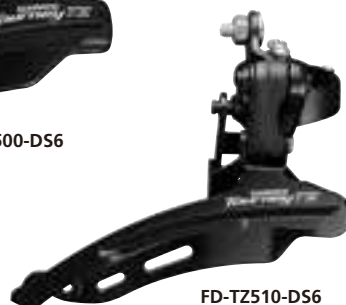
FD-TZ500-DS6

Front Derailleur

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



FD-TZ500-DS6



FD-TZ510-DS6

FD-TZ510-DS6

Front Derailleur

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

RD-TZ500

Rear Derailleur (6-speed)

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



RD-TZ500-GS



MF-TZ510-7-CP
Front view
MEGARANGE



MF-TZ510-7
MEGARANGE



MF-TZ500-7
MEGARANGE



MF-TZ500-7-CP
Back view



MF-TZ500-7-CP
Front view
MEGARANGE



MF-TZ510-6



MF-TZ510-6-CP
Front view



MF-TZ500-6



MF-TZ500-6-CP
Back view



MF-TZ500-6-CP
Front view

7-speed

MF-TZ510-7

Multiple Freewheel

- SHIMANO MTB 7-speed system
- Better corrosion resistance than MF-TZ500
- Spoke protector option available
- Gear options: 14-34T, 14-28T

MF-TZ500-7

Multiple Freewheel (3x7-speed)

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

6-speed

MF-TZ510-6

Multiple Freewheel

- SHIMANO MTB 6-speed system
- Better corrosion resistance than MF-TZ500
- Spoke protector option available
- Gear option: 14-28T

MF-TZ500-6

Multiple Freewheel (3x6-speed)

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

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

https://productinfo.shimano.com/#/lc/xt_trekking



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: 246 g (Pair)



FD-T8000

FD-T8000

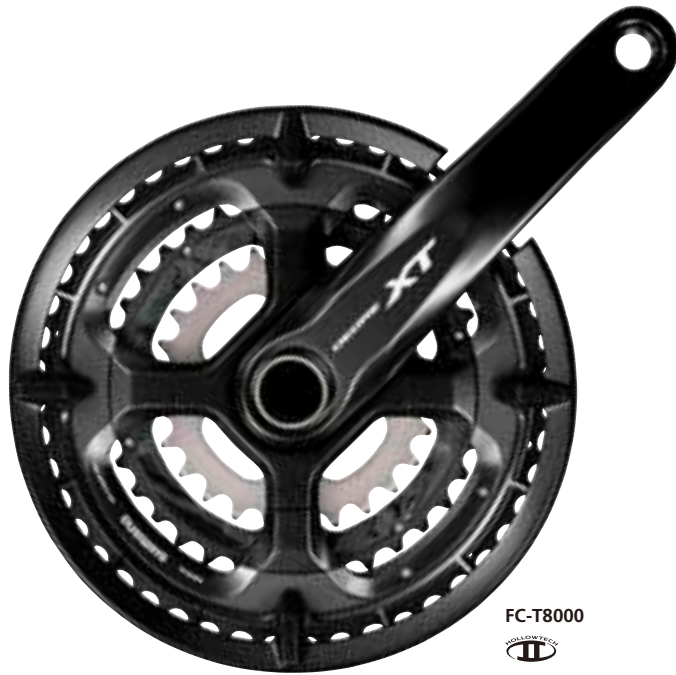
FD-T8000-H-3

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: 169 g (FD-T8000-H-3), 155 g (FD-T8000-L-3), 155 g (FD-T8000-L-6)



FC-T8000



BB-MT800



RD-T8000



BL-T8100

I-spec II



BR-M8100

ICE TECHNOLOGIES



ONE WAY BLEEDING

BR-M8120

ICE TECHNOLOGIES

Four
Piston

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
- **Gear combination: 48-36-26T**
- **Crank arm length: 170, 175 mm**
- **Weight: 868 g**

BB-MT800

Threaded BB Type Bottom Bracket

BB-MT800-P

Press-Fit Type Bottom Bracket

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: 253 g**



BL-T8100

3-finger Hydraulic Disc Brake Lever

- **Better ergonomics & easier control**
 - » Compatible with 4-piston caliper for greater stopping power, especially for E-Trekking bikes
- **Weight: 108 g**

BR-M8100

Hydraulic Disc Brake Caliper

- **Superior modulation gives you greater control**
 - » Quicker Piston retraction
- **Lightweight**
 - » Two piston
- **Quick and easy assembly**
 - » Banjo type connection and inside hose routing
- **Weight: 392 g (kit for front)**

BR-M8120

Hydraulic Disc Brake Caliper

- **Superior modulation gives you greater control**
 - » Quicker Piston retraction
- **High braking power instills greater downhill confidence and control**
 - » Reduces disc brake rotor wobbling noise and increases braking power by 10% (vs. M8000)
 - » Four Piston
- **Quick and easy assembly**
 - » Banjo type connection and inside hose routing
- **Weight: 410 g (kit for front)**



SHIMANO DEORE For Trekking Bikes

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

https://productinfo.shimano.com/#/lc/deore_trekking

SL-T6000-L



SL-T6000-R



SL-T6000

RAPIDFIRE PLUS Shift 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



FD-T6000-L-3



FD-T6000-H-3

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 (FD-T6000-L3, FD-T6000-L6)

SHIMANO
DEORE For Trekking Bikes



FC-T6010



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

BB-MT500-P

Press-Fit Type Bottom Bracket

SM-BB52

Bottom Bracket



BB-MT500-P



SM-BB52

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

RD-T6000

SHIMANO SHADOW RD (10-speed)



RD-T6000-SGS



- 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: 47T
- Color options: Black

CS-HG500-10

HG Cassette Sprocket (10-speed)

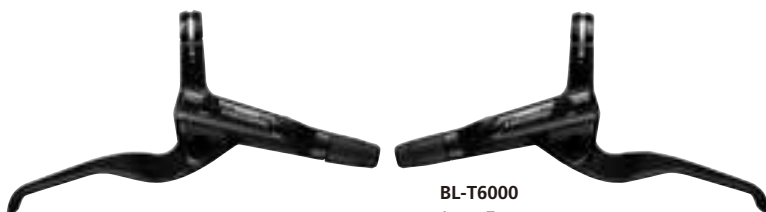


CS-HG500-10
HG-X

- 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

BL-T6000

Hydraulic Disc Brake Lever



BL-T6000
I-spec II



BL-T6000
I-spec II

- 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



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 TECHNOLOGY 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



HB-T610



FH-T610

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



HB-M6000



FH-M6000

HB-M6000

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

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

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

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

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

https://productinfo.shimano.com/#/lc/alivio_trekking



FC-T4060
Crankset (3x9-speed)

SM-BB52
Bottom Bracket

FC-T4010
OCTALINK Crankset (3x9-speed)

BB-E5300
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

SHIMANO *ALIVIO* For Trekking Bikes



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

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)

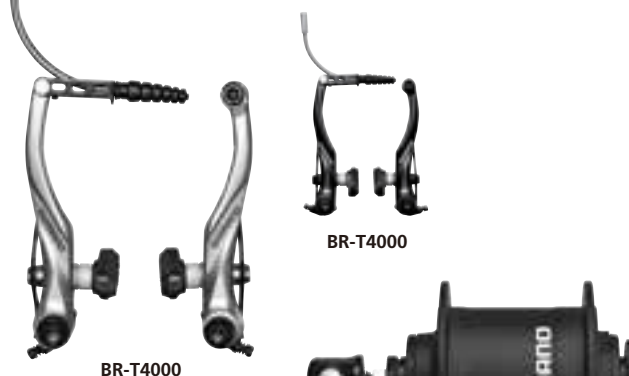


BL-T4000

2-finger Brake Lever

BL-T4010

3-finger Brake Lever



BR-T4000

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
- Color options: Black, Silver



DH-T4000-1N

Hub Dynamo

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

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

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
- Easy operation with 3 finger brake lever



3/2x9-speed

https://productinfo.shimano.com/#/lc/acera_trekking



FD-T3000-TS3



FD-T3000-2-TS3



FC-T3010



BB-ES300

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**

FD-T3000-2-TS3

TOP SWING Front Derailleur (2x9-speed)

- **Smooth and accurate front shifting**
 - HYPERDRIVE
 - » Precise and reliable shifting
 - Wide Link
- **Quick and easy installation**
 - » Pre-assembled clamp band and inner cable fixing bolt
- **Dual pull**
- **Total capacity: 16T**

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

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

SHIMANO
ACERA For Trekking Bikes



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



FH-T3000



FH-T3000

HB-T3000

Front Hub

FH-T3000

Rear FREEHUB

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

URBAN

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.



HIGH-END	SHIMANO <i>ALFINE</i> INTER 11	
	SHIMANO <i>ALFINE</i> INTER 10	
ENTRY-LEVEL	SHIMANO <i>Nexus</i> INTER 8	
	SHIMANO <i>Nexus</i> INTER 7	
	SHIMANO <i>Nexus</i> INTER 6	
	SHIMANO <i>Nexus</i> INTER 3	



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



MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

INTER 11



SG-S7001-11



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-S700



SL-S700



SL-S700

RAPIDFIRE PLUS Shift Lever (11-speed)

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

INTER 8



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: 1,670 g
- Color options: Black, Silver

SL-S7000-8



SL-S7000-8

SL-S7000-8

RAPIDFIRE PLUS Shift Lever (8-speed)

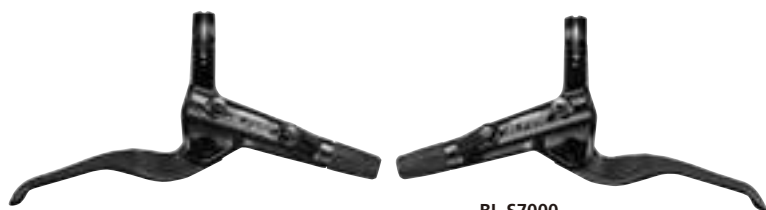
SM-S7000-8

Small Parts Set

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



SM-S7000-8



BL-S7000



BL-S7000

BL-S7000

Hydraulic Disc Brake Set

- Good matching with urban style internal geared hub bikes
 - » Well balance in between usability & appearance
 - Ergonomic lever for easy access & control even with glove
 - Optimized power curve for easy control
 - 3-finger lever length
- Color options: Black, Silver



BR-S7000



BR-S7000

BR-S7000

Hydraulic Disc Brake Set

- Good matching with urban style internal geared hub bikes
 - » Well balance in between usability & appearance
 - Optimized power curve for easy control
- Color options: Black, Silver



CS-S500



CT-S500



CT-S510

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

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-S501



BB-RS500



FC-S501



CN-HG93



DH-UR700-3D



DH-UR700-3D



DH-S501



DH-S501



FC-S501

BB-RS500 2piece Crankset with Chain Guard

- Chaining: 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-UR700-3D

3.0W for Disc Brake, Quick Release Type

- Compact & lightweight
 - » New internal unit construction is 28 g lighter than DH-T8000-3D
- Low rotational resistance
 - » More efficient wheel rotation reduces dynamo drag by up to 44% from DH-T8000
 - New ring magnet construction
- Durable sealing performance
 - » Angular contact bearings
 - Cup & Cone Bearing

DH-S501

Hub Dynamo

- 6V-3.0W
- Use with CENTER LOCK disc brake
- Color options: Piano black, Silver
- Weight: 564 g

❖ 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



Electronic spec Flathandle

<https://productinfo.shimano.com/#/lc/alfine>



SW-E7000-R



SW-E7000-R

Shifting Switch

- Easy, simple operation
- Compatibility
 - » Compatible with SHIMANO STEPS components



MU-UR510



SM-S705

Small Parts Set

NEW

MU-UR510

Motor Unit

- More clearance for belt / chain line (vs. MU-UR500)
 - » 46 mm belt line for use Gates belt drive system (combination with chain also available)
 - » Electric wire EW-SD300 port
 - » Compatible with E6100/E6110/E5000 via AD305 electric wire conversion adaptor
 - » Compatible with Inter-5E/8 and Alfine-11



MU-UR500



MU-UR500

Motor Unit for SG-C7050

- Integrated drivetrain and assist
 - » Full-automatic shifting for a more natural riding experience
 - SYMPHOMATIC
- Compact motor unit
- Silent motor noise
- Compatible with 11/8 gear hub

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



<https://productinfo.shimano.com/#/lc/nexus>

INTER-7

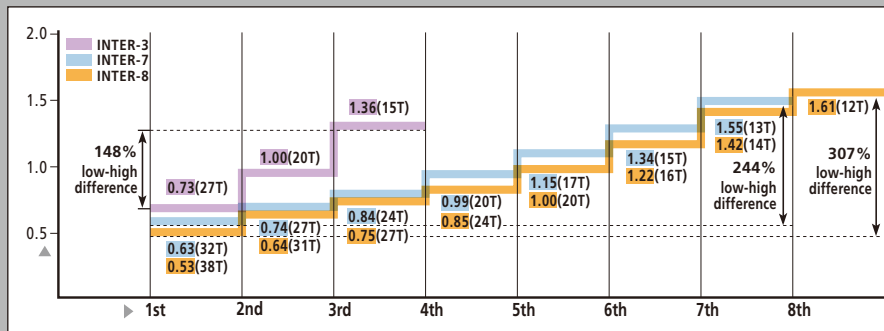


<https://productinfo.shimano.com/#/lc/nexus/inter-7>

INTER-3



<https://productinfo.shimano.com/#/lc/nexus/inter-3>



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.



CAUTION

Please use a non-turn washer to secure the hub axle into the dropout of the frame.

SHIMANO Nexus INTER 8



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-C6001-8V

Internal Geared Hub for V-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: 1,730 g (SG-C6001-8D), 2,090 g (SG-C6001-8CD), 2,040 g (SG-C6001-8C), 1,735 g (SG-C6001-8V), 1,685 g (SG-C6011-8V)
- Color options: Black, Silver



SM-RTC60



SG-C6061-8D



SG-C6061-8V



SL-C6000-8



BL-C6010



BL-C6010

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**

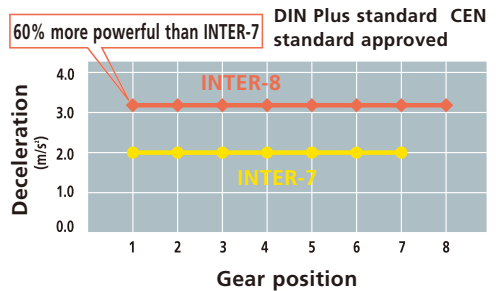
SG-C6061-8D

Internal Geared Hub for Disc 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: 1,680 g (SG-C6061-8D), 1,685 g (SG-C6061-8V)**
- **Color options: Black, Silver**



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**

BL-C6010

Brake Lever

- **Improved braking performance under heavy load**
 - » Recalibrated brake lever ratio for more stopping power
- **Color options: Black, Silver**



SG-C3001-7C

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



SG-C3001-7C

SG-C3001-7C-DX

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



SG-C3001-7D



SG-C3001-7R

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



SG-C3001-7R

SL-7S50

RAPIDFIRE PLUS Shift Lever (7-speed)

- 2-WAY RELEASE
- Low-normal compatibility
- Color options: Black, Silver



SL-7S50



SL-C3000-7

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



SG-3R40



Left Hand Dust Cap for use without Roller Brake



SG-3C41



SG-3D55



SG-3D55



SL-C2010-3
RAPIDFIRE PLUS Optical Gear Display



SL-3S41E
SL-3S42E

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**
 - » Smooths out the shifting action while pedaling
- **Gear Change Support Mechanism**
- **Weight: 885g**
- **Color options: Black, Silver, White**

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-C2010-3

SHIMANO NEXUS RAPIDFIRE PLUS Shifting Lever for INTER-3 Hub

- **Streamlined cockpit experience**
 - » Gear display positioned below the handlebar
 - » Numbered gear display indicates gear position at a glance
 - OPTICAL GEAR DISPLAY
- **Light shifting operation**
 - » Optimized lever stroke design for light action
 - » Slim main lever body
 - RAPIDFIRE PLUS
- **Compatible with INTER-3 Internal geared hub**
SG-3D55/SG-3R40/SG-3C41

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)**

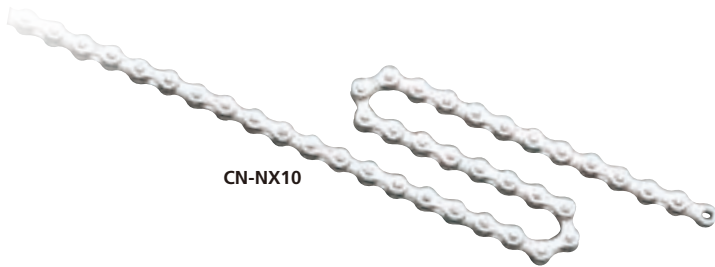


FC-C6000

FC-C6000



BB-UN300



CN-NX10



BR-C6000-F



BR-C6000-R



BR-C6000-F-DX



BR-C6000-R-DX

FC-C6000

Crankset

- Refined appearance
- The shape and surface treatment offer an attractive design
- Chaining: 33T, 38T (steel)
- Color options: Black, Silver

BB-UN300

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

CN-NX10

Chain

- Anti-Corrosion
 - » Anti-corrosion treatment for longer service life

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-C6000-DX

Highly durable hub roller brake designed for share bikes

- Corrosion-resistant outer cap prevents rusting
 - » SUS outer cap



BR-C6050-F



BR-C3010-F



BR-C3010-R



BR-C3000-F



BR-C3000-R



BR-C3000-F-DX



BR-C3000-R-DX



HP-NX10

BR-C6060-F

Power Modular Integrated Hub Roller Brake for Front Motor

- Front motor hub roller brake integrated with POWER MODULATOR
- Compatible with front hub or motor with serration for hub roller brake
- Same braking power and heat dissipation as BR-C6000-F

NEW

BR-C6050-F

Hub Roller Brake

- » Bike total mass range option. BR-C6050: 70 - 100 kg, BR-C6060: 100 - 130 kg.
- » Same frame requirement with BR-C6060.

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

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

BR-C3000-DX

Highly durable hub roller brake designed for share bikes

- Corrosion-resistant outer cap prevents rusting
 - » SUS outer cap

HP-NX10

NEXUS Headset Lock

- Locking Action
 - » Headset lock replaces upper headset components to provide a fork locking function that stabilizes the parked bicycle

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO Hub Dynamamos



DH-C6000-1R

1.5W



DH-C6000-1R

1.5W



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-C3000-1N

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: 960 g (DH-C6000-2R)
- Color options: Black, Silver

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: 712 g (DH-C3000-3N-NT), 700 g (DH-C3000-3N-QR), 705 g (DH-C3000-2N-NT), 700 g (DH-C3000-2N-QR)
- Color options: Black, Silver (DH-C3000-3N-NT/QR, DH-C3000-2N-NT)



DH-3D37
 3.0W Disc Brake

DH-3D37-QR

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-3D32
 3.0W Disc Brake



DH-F703-S
 3.0W








DH-F703-S

Hub Dynamo (6V-3.0W)









- Designed for the small wheel bike
- O.L.D.: 74mm
- Radial lacing possible
- SHIMANO logo

SHIMANO Hub Dynamos

Complete Range for Variety of Usage

Standard	V-BRAKE	Disc Brake	Roller Brake
<p>3.0W</p>	<p>QR NUT</p> <p>DH-C3000-3N <ul style="list-style-type: none"> • 16"-28" wheel 400-716 mm wheel </p> <p>QR</p> <p>DH-F703-S <ul style="list-style-type: none"> • SHIMANO logo • 16"-20" wheel 400-536 mm wheel </p>	<p>QR</p> <p>DH-3D37 <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 16"-28" wheel 400-716 mm wheel </p> <p>QR NUT</p> <p>DH-3D32 <ul style="list-style-type: none"> • 6-bolt rotor mount • 16"-28" wheel 400-716 mm wheel </p>	<p>—</p>
	<p>2.4W</p>	<p>QR NUT</p> <p>DH-C3000-2N <ul style="list-style-type: none"> • 16"-28" wheel 400-716 mm wheel </p>	<p>—</p>
<p>1.5W</p>		<p>QR</p> <p>DH-T4000-1N <ul style="list-style-type: none"> • 18"-28" wheel 448-716 mm wheel </p>	<p>QR</p> <p>DH-T4050-1D <ul style="list-style-type: none"> • 18"-28" wheel 448-716 mm wheel </p>

QR Quick Release
NUT Nut Type
ET E-THRU

Sports	V-BRAKE	Disc Brake	Roller Brake
3.0W	<p>QR</p> <p>DH-T670-3N</p> <ul style="list-style-type: none"> • 26"-28" wheel • 646-716 mm wheel 	<p>ET</p> <p>DH-UR708-3D</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel • 15 mm E-THRU type 	
	<p>QR</p> <p>DH-3N72</p> <ul style="list-style-type: none"> • 26"-28" wheel • 646-716 mm wheel 	<p>ET</p> <p>DH-UR705-3D</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel • 12 mm E-THRU type 	
		<p>QR</p> <p>DH-UR700-3D</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel 	
		<p>QR</p> <p>DH-S501</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel 	
		<p>QR</p> <p>DH-3D72</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel 	
		<p>QR</p> <p>DH-T675</p> <ul style="list-style-type: none"> • CENTER LOCK rotor mount • 26"-28" wheel • 646-716 mm wheel 	

SHIMANO Sport Hub Dynamos



DH-UR708-3D

3.0W Disc Brake



DH-UR708-3D

3.0W Disc Brake



DH-UR700-3D

3.0W Disc Brake



DH-UR700-3D

3.0W Disc Brake



DH-UR705-3D

3.0W Disc Brake



DH-UR705-3D

3.0W Disc Brake



DH-3N72

3.0W



DH-3D72

3.0W Disc Brake

DH-UR708-3D

SHIMANO Hub Dynamo 3.0 W for CETNER LOCK Disc Brake

- 3.0 W for disk brake, 15 mm E-THRU type
- Minimal design 3.0 W hub dynamo
 - » Small, outer diameter and simple formed hub shell
 - » Lightweight and light rotation torque
- Specification for trekking, urban sport bike
- CENTER LOCK mount type
- Color options: Black, Silver

DH-UR700-3D

3.0W for Disc Brake, Quick Release Type

DH-UR705-3D

3.0W for Disc Brake, 12 mm E-THRU Type

- Compact & lightweight
 - » New internal unit construction is 28 g lighter than DH-T8000-3D
- Low rotational resistance
 - » More efficient wheel rotation reduces dynamo drag by up to 44% from DH-T8000
 - New ring magnet construction
- Durable sealing performance
 - » Angular contact bearings
 - Cup & Cone Bearing

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

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

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.

					
		TIME TRIAL/TRIATHLON	COMPETITION	ENDURANCE	SPORTS/FITNESS
HIGH-END	DURA-ACE R9200	[Blue bar]			
	SHIMANO ULTEGRA R8100	[Blue bar]			
ENTRY-LEVEL	SHIMANO 105 R7000		[Blue bar]		
	SHIMANO Tiagra 4700			[Blue bar]	
	SHIMANO SORA R3000			[Blue bar]	
	SHIMANO Claris R2000			[Blue bar]	
	SHIMANO Tourney A070 A070				[Blue bar]



DURA-ACE

SCIENCE OF SPEED

We take years to give you seconds. The pinnacle of Shimano road technology and innovation, the new 12-speed R9200 DURA-ACE is our fastest, most inspired drivetrains ever. Speed was the driving force behind the new generation of road groups, and every decision our designers made was to make you faster. Shimano engineers worked to refine each component and every function to provide the best on-bike experience, whether you're sprinting to the finish on the Champs-Élysées or crushing your local climb.



<https://productinfo.shimano.com>





ST-R9270
SERVO WAVE Free
Action Stroke


NEW

ST-R9270

Hydraulic Disc Brake DUAL CONTROL LEVER (2x12-speed)

- **Clean Cockpit:** Wireless connection enhances the aesthetic of your bike while keeping shifting lightning fast
 - » 1.5 to 2 years of battery life with easy-to-change CR1632 shifter batteries
- **Unparalleled ergonomics engineering refined with pros' feedback**
 - » Raised hood peak improves ergonomics, while a longer hood body increases hand support
 - » Compatible with satellite shifters
- **SERVO WAVE technology optimizes brake control**
 - » Lighter, smoother lever action
 - » Enhanced modulation thanks to an expanded braking control area
- **Advanced Materials**
 - » Carbon fiber brake lever and titanium hardware
- **Compatible with wired connection (for e-bike application)**
- **Make DURA-ACE yours with custom button function and adjustable ergonomics**
 - » Easily change button function with the E-TUBE app
 - » Find your optimum lever position with simple reach adjust
- **Weight: 350 g (pair)**



ST-R9250
SLR-EV


NEW

ST-R9250

Rim Brake DUAL CONTROL LEVER (2x12-speed)

- **Quick and intuitive shifting**
 - » Clearly defined click feeling with ergonomic shift lever
- **Better bike control and confidence in race conditions**
 - » Hood shape and texture optimize grip and brake power transmission
- **CFRP* lever**
CFRP* bracket
*CFRP: Carbon fiber resin plastic

NEW

SW-RS801-S

Satellite Shifter Drops

- **Compact satellite shifter creates multiple, custom shift points on the handlebar**
 - » Attaches directly to the handlebar
 - » 100 mm cable length

NEW

SW-RS801-T

Satellite Shifter Tops

- **Compact satellite shifter creates multiple, custom shift points on the handlebar**
 - » Attaches to handlebar via zip tie
 - » 260 mm cable length



SW-RS801-T

SW-RS801-S



FD-R9250



NEW

FD-R9250

Front Derailleur

- Fastest ever front shifting, 45% faster than FD-R9150
- Smaller, sleeker, lighter
 - » Frontal area reduced by 33%
 - » Weight cut to 99 g
- Top gear teeth capacity: 50-55T
- Chain stay angle: 61-66°
- Total capacity: 16T



RD-R9250



NEW

RD-R9250

SHIMANO SHADOW RD

- Fastest ever rear shifting, 58% faster than RD-R9150
- Compact design includes an integrated wireless unit, charger, and switch
- LED status indicator
 - » Battery indicator
 - » Pairing
 - » Adjust mode, etc.
- Wider range capacity
 - » Max. low sprocket: 34T
- CFRP rear derailleur plate
- Total capacity: 37T



EW-EC300

NEW

EW-EC300

Charging Connector

- Charging connector for RD-R9250 and FC-R9200-P
- 1.7 m cable length



BT-DN300

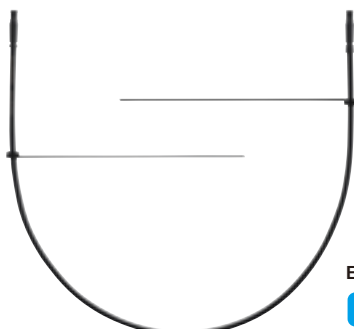


NEW

BT-DN300

Built-In Type Di2 Battery [SD300 type]

- Compatible with thinner next generation electric wire SD300 and systems after R9250/R8150 series
- 3 SD300 ports
- Shared fixing method with BT-DN110



EW-SD300-I



EW-SD300-I

Electric Wire SD300 for Internal Routing

- More compact design makes new electric components smaller and lighter
- Will potentially expand the future capabilities of Di2 systems
- For internal routing usage (wire holder included)





FC-R9200
HOLLOWGLIDE HOLLOWTECH II

NEW

FC-R9200

HOLLOWTECH II Crankset 2x12-speed

- Optimal balance of stiffness, strength, weight and rotational performance
- HOLLOWGLIDE structure cuts weight yet maintains strength for better power transfer and quicker, more precise front shifting
- New 54-40T option to realize the most efficient drivetrain
- Gear combination: 50-34T, 52-36T, 54-40T
- Crank arm length: 160 mm, 165 mm, 167.5 mm, 170 mm, 172.5 mm, 175 mm, 177.5 mm



FC-R9200-P
HOLLOWGLIDE HOLLOWTECH II
Bluetooth ANT+

NEW

FC-R9200-P

Dual-sided Power Meter HOLLOWTECH II Crankset

- Integrated, waterproof, and rechargeable Li-ion battery
 - » Up to 300+ hours of ride time
 - * Depending on ANT+/Bluetooth®LE settings
- Accurate data collection
 - » < 1.5% strain gage accuracy throughout the entire calibration range
 - * Depending on ANT+/Bluetooth®LE settings
 - » Proprietary strain gauge
- Possible to start quickly
 - » Simple zero offset calibration with switch on transmitter
- Active temperature compensation
 - » Software automatically compensates for temperature changes
- The provision of new force vector data makes it the optimal training tool to analyze and improve pedal stroke efficiency
- With SHIMANO CONNECT Lab, you can analyze and visualize your training and power data
- Crank arm length: 160 mm, 165 mm, 167.5 mm, 170 mm, 172.5 mm, 175 mm, 177.5 mm

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: 65 g (BB-R9100), 54 g (SM-BB92-41B)



BB-R9100

SM-BB92-41B

NEW

CS-R9200-12

HYPERGLIDE+ Cassette Sprocket (12-speed)

- Faster, seamless shifts under maximum pedaling load
- Refined 12 step gear combination provides peak efficiency and accelerating performance for every situation
 - » Add wider 34T spec for pro-race usage
- Compatible with new 12-speed and road 11-speed FREEHUB body
- Gear combination: 11-30T: (11-12-13-14-15-16-17-19-21-24-27-30T), 11-34T: (11-12-13-14-15-17-19-21-24-27-30-34T)



CS-R9200-12
HYPERGLIDE+



CN-M9100
HG SIL-TEC



SM-CN910-12
HG SIL-TEC



BR-R9270
Mono-Body
ONE WAY BLEEDING



RT-MT900-S
ICE TECHNOLOGIES
FREEZA
CENTER LOCK



BR-R9200
SLR-EV



BR-R9210-F
SLR-EV



BR-R9210-RS
SLR-EV

CN-M9100

New Drive System Dedicated Design Chain

- Smoother driving even over bumpy terrain
 - » Greater chain retention to extend portion on the end of inner plate to firmly hold the tooth both front and cassette sprocket
 - » Enhancements to shifting performance
- Compatible with new generation of drivetrain
- QUICK-LINK connecting & removing pliers (TL-CN10)
- Weight: 242 g

SM-CN910-12

QUICK-LINK for New HG Chain

- QUICK-LINK
 - » Easy connect
 - » Quick assembly tool also available
 - » Non-reusable
- Note: Not compatible current HG-X11 chain

NEW

BR-R9270

Hydraulic Disc Brake Caliper

- One-piece structure maximizes stiffness and reduces weight
- 10% wider pad clearance decreases the chance of rotor rub
- Maintenance-friendly bleeding process
- Weight: 229 g (pair)

RT-MT900

CENTER LOCK Disc Brake Rotor

- High-performance and consistent brake performance
 - » Stable and versatile brake performance in the most demanding conditions
- New ICE TECHNOLOGIES FREEZA construction with high heat dissipation paint for boosting heat dissipation
- Rotor size
 - » 140 mm, 160 mm, 180 mm, 203 mm
- Weight: 89 g (140 mm), 108 g (160 mm), 131 g (180 mm), 147 g (203 mm)

NEW

BR-R9200

Dual-Pivot Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Maximum tire size: 28C
- Lightweight magnesium brake shoe holder
- Weight: 327 g (pair)

NEW

BR-R9210-F

Direct Mount Type Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Sleek and integrated low-profile caliper design
- Maximum tire size: 28C
- Lightweight magnesium brake shoe holder
- Weight: 150 g (pc)

NEW

BR-R9210-RS

Rear Seat Stay Mount Type Direct Mount Type Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Sleek and integrated low-profile caliper design
- Maximum tire size: 28C
- Lightweight magnesium brake shoe holder
- Weight: 148 g (pc)

DURA-ACE R9100 Series

ST-R9100
SLR-EV



FD-R9100-F



FC-R9100

HG-EV



BB-R9100



SM-BB92-41B

FC-R9100-P

HG-EV



RD-R9100-SS



CS-R9100
HG-EV



BR-R9100-F
SLR-EV

BR-R9100-R
SLR-EV



BR-R9170
ONE WAY BLEEDING



SM-RT900



ST-R9100

DUAL CONTROL LEVER (2x11-speed)

ST-R9120

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

FD-R9100-B/F

Front Derailleur (2x11-speed)

FC-R9100

HOLLOWTECH II Crankset (2x11-speed)

FC-R9100-P

Power Meter HOLLOWTECH II Crankset (2x11-speed)

BB-R9100

Bottom Bracket

SM-BB92-41B

Press-Fit Type Bottom Bracket

RD-R9100-SS

SHIMANO SHADOW RD (11-speed)

CS-R9100

HG Cassette Sprocket (11-speed)

BR-R9100

Dual-Pivot Brake Caliper

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

BR-R9170

Hydraulic Disc Brake Caliper

SM-RT900

CENTER LOCK Disc Brake Rotor

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR
DEORE XT
SLX
Di2
DEORE
SAINT
ZEE
DXR
SHIMANO Series
ALIVIO
ACERA 9-speed
ALTUS 9-speed
ACERA ALTUS 8/7s
TOURNEY TX
TOURNEY
TOURNEY TZ
DEORE XT
DEORE
ALIVIO
ACERA
ALFINE
NEXUS
Hub Dynamo
DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
TOURNEY A070
SHIMANO Series
Others
GRX

SHIMANO
ULTEGRA



LEAVE TIME BEHIND

It's time — to find out what really matters.

The freedom of the open road, crisp mornings and fiery sunsets. Laughter filling the air and then trailing off.

Nature, unfolding as you roll. Breathtaking vistas that stop you in your tracks.

Coffee stops and camaraderie. Route prep and weather checks. Rain breaks and sunny bursts. Mad dashes. Racing each other to the top. And then kicking back...

It's about time — and it's about leaving time behind. Tuning into tranquility. And shifting into oneness.



<https://productinfo.shimano.com>



ST-R8170
SERVO WAVE Free
Action Stroke


NEW

ST-R8170

Hydraulic Disc Brake DUAL CONTROL LEVER (2x12-speed)

- **Clean Cockpit:** Wireless connection enhances the aerodynamic effect and easy maintenance
- **Unparalleled ergonomics engineering refined with pros' feedback**
 - » Raised hood peak improves ergonomics
- **Optimized brake control**
 - » Lighter, smoother lever action
 - » Enhanced modulation thanks to an expanded braking control area
- **Compatible with wired and wireless connection**
- **Available to additional satellite shifters**
- **High electronic energy efficiency**
 - » 1.5 to 2 years of battery life with easy-to-change CR1632 shifter batteries
- **Weight: 391 g (pair)**



ST-R8150
SLX
EV


NEW

ST-R8150

Rim Brake DUAL CONTROL LEVER (2x12-speed)

- **Quick and intuitive shifting**
 - » Clearly defined click feeling with ergonomic shift lever
- **Better bike control and confidence in race conditions**
 - » Hood shape and texture optimize grip and brake power transmission



SW-RS801-T

SW-RS801-S

NEW

SW-RS801-S

Satellite Shifter Drops

- **Compact satellite shifter creates multiple, custom shift points on the handlebar**
 - » Attaches directly to the handlebar
 - » 100 mm cable length

NEW

SW-RS801-T

Satellite Shifter Tops

- **Compact satellite shifter creates multiple, custom shift points on the handlebar**
 - » Attaches to handlebar via zip tie
 - » 260 mm cable length



FD-R8150



SM-AD91



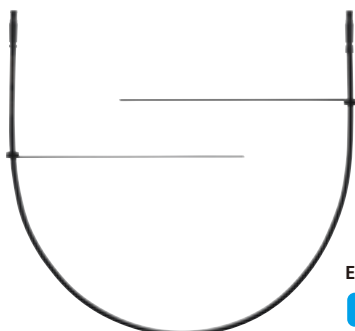
RD-R8150



EW-EC300



BT-DN300



EW-SD300-I



NEW

FD-R8150

Front Derailleur

- Fastest ever front shifting, 45% faster than FD-R9150
- Smaller, sleeker, lighter
 - » Frontal area reduced by 33%
 - » Weight cut to 116 g
- Top gear teeth capacity: 50-54T
- Chain stay angle: 61-66°
- Total capacity: 16T

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

NEW

RD-R8150

SHIMANO SHADOW RD

- Fastest ever rear shifting, 58% faster than RD-R9150
- Compact design includes an integrated wireless unit, charger, and switch
- LED status indicator
 - » Battery indicator
 - » Pairing
 - » Adjust mode, etc.
- Wider range capacity
 - » Max. low sprocket: 34T
- Total capacity: 39T

NEW

EW-EC300

Charging Connector

- Charging connector for RD-R9250 and FC-R9200-P
- 1.7 m cable length

NEW

BT-DN300

Built-In Type Di2 Battery [SD300 type]

- Compatible with thinner next generation electric wire SD300 and systems after R9250/R8150 series
- 3 SD300 ports
- Shared fixing method with BT-DN110

EW-SD300-I

Electric Wire SD300 for Internal Routing

- More compact design makes new electric components smaller and lighter
- Will potentially expand the future capabilities of Di2 systems
- For internal routing usage (wire holder included)



FC-R8100



NEW

FC-R8100

HOLLOWTECH II Crankset 2x12 speed

- Optimal balance of stiffness, strength, weight and rotational performance
- HOLLOWGLIDE structure cuts weight yet maintains strength for better power transfer and quicker, more precise front shifting
- 52-36 and 50-34 chainring options. 160, 165, 170, 172.5, and 175 mm crank arm lengths.
- Gear combination: 50-34T, 52-36T
- Crank arm length: 160 mm, 165 mm, 170 mm, 172.5 mm, 175 mm



FC-R8100-P



NEW

FC-R8100-P

Dual-Sided Power Meter HOLLOWTECH II Crankset

- Integrated, waterproof, and rechargeable Li-ion battery
 - » Up to 300+ hours (TBD*) of ride time
 - * Depending on ANT+/Bluetooth®LE settings
- Accurate data collection
 - » ±1.5% (TBD*) strain gage accuracy throughout the entire calibration range
 - * Depending on ANT+/Bluetooth®LE settings
 - » Proprietary strain gauge
- Possible to start quickly
 - » Simple zero offset calibration with switch on transmitter
- Active temperature compensation
 - » Software automatically compensates for temperature changes
- Gear combination: 50-34T, 52-36T
- Crank arm length: 165 mm (52-36T), 170 mm, 172.5 mm, 175 mm



SM-BBR60



SM-BB72-41

SM-BBR60

Bottom Bracket

SM-BB72-41

Press-Fit Type Bottom Bracket

- Optimum power transfer
 - » Lightweight maintains efficiency
- DURA-ACE proven 4-arm design: Same stiffness and lighter weight
- 14 g 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: 77 g (SM-BBR60)
69 g (SM-BB72-41B)



CS-R8100-12
HYPERGLIDE+



CN-M8100
HG



SM-CN910-12
HG SIL-TEC



BR-R8170
ONE WAY BLEEDING



RT-MT800-S
ICE TECHNOLOGIES FREEZA
CENTER LOCK

NEW

CS-R8100-12

HYPERGLIDE+ Cassette Sprocket (12-speed)

- Refined 12 step gear combination provides peak efficiency and accelerating performance for every racing situation
- Faster, smoother shifts under maximum pedaling force
- Compatible with new 12-speed and road 11-speed FREEHUB body
- Gear combination: 11-30T: (11-12-13-14-15-16-17-19-21-24-27-30T), 11-34T: (11-12-13-14-15-17-19-21-24-27-30-34T)

CN-M8100

New Drive System Dedicated Design Chain

- Proprietary design ensures smooth shifts and strength
 - » Extended inner plate improves chain engagement and retention
 - DYNAMIC CHAIN ENGAGEMENT+
- Compatible with 12-speed drivetrain
- Easy connection (SM-CN910-12)
 - » Non-reusable
 - » Quick assembly tool QUICK-LINK connecting & removing pliers (TL-CN10)
 - » QUICK-LINK connecting & removing pliers (TL-CN10)
- Weight: 252 g

SM-CN910-12

QUICK-LINK for New HG Chain

- QUICK-LINK
 - » Easy connect
 - » Quick assembly tool also available
 - » Non-reusable
- Note: Not compatible current HG-X11 chain

NEW

BR-R8170

Hydraulic Disc Brake Caliper

- 10% wider pad clearance decreases brake noise
- Maintenance-friendly bleeding process
- Weight: 146 g (Front), 136 g (Rear)

RT-MT800

CENTER LOCK Disc Brake Rotor

- Advanced heat sync design reduces brake fade
 - » New disc brake rotor construction boosts heat dissipation and reduces fade
 - ICE TECHNOLOGIES FREEZA
 - » Easy disc brake rotor installation with spline mount and lock ring
 - CENTER LOCK
- Size: 140 mm, 160 mm, 180 mm, 203 mm
- Weight: 88 g (140 mm), 109 g (160 mm), 132 g (180 mm), 164 g (203 mm)



NEW

BR-R8100
Dual-Pivot Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Maximum tire size: 28C
- Weight: 182 g (Front), 180 g (Rear)



NEW

BR-R8110-F
Direct Mount Type Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Sleek and integrated low-profile caliper design
- Maximum tire size: 28C
- Weight: 180 g (pc)



NEW

BR-R8110-RS
Direct Mount Type Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Sleek and integrated low-profile caliper design
- Maximum tire size: 28C
- Weight: 178 g (pc)



NEW

BR-RS811-R
Under Bottom Bracket Mount Rear Brake Caliper

- Exceptional balance of rigidity, weight and stopping power
- Sleek and integrated low-profile caliper design
- Maximum tire size: 28C

SHIMANO
ULTEGRA R8000 Series



ST-R8000
SLR-EV

ST-R8020

ST-R8025

FD-R8000-F



FC-R8000

HG-EV



RD-R8000-SS



CS-R8000
HG-EV



BR-R8000
SLR-EV



BR-R8010
ICE TECHNOLOGIES



SM-RT800-S



ST-R8000

DUAL CONTROL LEVER (2x11-speed)

ST-R8020

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

ST-R8025

Hydraulic Disc Brake DUAL CONTROL LEVER (Small Hands Version) (11-speed)

FD-R8000

Front Derailleur (2x11-speed)

FC-R8000

HOLLOWTECH II Crankset (2x11-speed)

RD-R8000

SHIMANO SHADOW RD (11-speed)

CS-R8000

HG Cassette Sprocket (11-speed)

BR-R8000

Dual-Pivot Caliper Brake

BR-R8010

Direct Mount Type Brake Caliper

BR-R8070

Hydraulic Disc Brake Caliper

SM-RT800

CENTER LOCK Disc Brake Rotor



SHIMANO 105

RIDE INSPIRED

SHIMANO 105 R7000 series will empower more riders than ever before to embrace the sport of road cycling. It will become the supportive groupset that beginner riders choose to help them train for, and ride in more serious races.

By combining trickle down technology with a greater accessibility, SHIMANO 105 will continue to motivate and inspire more riders than ever to go after greater challenges.

❖ MAJOR BENEFITS

- Race inspired performance
- Rider focused comfort & control
- Inspiring high-end design
- Versatility



2x11-speed

https://productinfo.shimano.com/#/lc/105_r7000





ST-R7000

Mechanical Brake DUAL CONTROL LEVER (11-speed)

- **Quick and intuitive rear shifting operation**
 - » Redesigned internal shifting unit
 - » Greater reach adjust range
 - » Easier access to inner shift cable
 - 15 mm of reach adjustment of screw type
- **Reliable performance in race conditions**
- **Lighter front shifting when paired with FD-R7000**
- **Weight: 251 g (ST-R7000-R pc), 249 g (ST-R7000-L pc)**
- **Color options: Silky Black, Spark Silver**



ST-R7020

Hydraulic Disc Brake DUAL CONTROL LEVER (11-speed)

- **Greater rider control in all conditions**
 - » Great ergonomics cascaded from ULTEGRA
 - » Greater reach adjust range
- **Quick and intuitive rear shifting operation**
 - » Redesigned internal shifting unit
- **Same light shifting operation as top tier systems**
- **Lighter front shifting when paired with FD-R7000 (compared with previous generation)**
- **Weight: 610 g (pair)**
- **Color options: Silky Black**



ST-R7025

Hydraulic Disc Brake DUAL CONTROL LEVER (Small Hands Version) (11-speed)

- **Greater control in all conditions for riders with smaller hands**
 - » Smaller lever size and new positioning improves ergonomics
 - » Dedicated lever control for riders with smaller hands
- **Quick and intuitive rear shifting operation**
 - » Redesigned internal shifting unit
- **Same light shifting operation as ULTEGRA R8000**
- **Lighter front shifting when paired with FD-R7000**
- **Weight: 619 g (pair)**
- **Color options: Silky Black**



FD-R7000

Front Derailleur (11-speed)

- **Lighter front shifting operation**
 - » Ergonomic power curve
 - New link (toggle) construction
 - » Natural stroke feeling
- **Precise and easy front derailleur adjustment**
 - » More cable routing options
 - New link (toggle) construction
 - » Integrated cable tension adjustment
- **Optimized cage design for disc brake road bikes**
 - » Shorter rear center (410 mm) with 135 mm O.L.D.
- **Weight: 95 g (FD-R7000-F), 111 g (FD-R7000-B)**
- **Color options: Silky Black, Spark Silver**

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX



FC-R7000



FC-R7000

HOLLOWTECH II Crankset (11-speed)

- **Optimum power transfer**
 - » Balances weight and efficiency without sacrificing stiffness
- **Multiple options provide greater choice**
 - » Rider Tuned performance with numerous gear combinations
- **Greater frame compatibility**
 - » Wider gear pitch increases chain clearance with small gearings and allows for 410 mm chain stays on 135 mm O.L.D.
- **Gear combination: 50-34T, 52-36T, 53-39T**
- **Crank arm length: 160 mm, 165 mm, 170 mm, 172.5 mm, 175 mm**
- **Weight: 713.4 g (50-34T), 742.6 g (52-36T), 757.8 g (53-39T)**
- **Color options: Silky Black, Spark Silver**



FC-R7000



SM-BBR60

Bottom Bracket

SM-BB72-41

Press-Fit Type Bottom Bracket

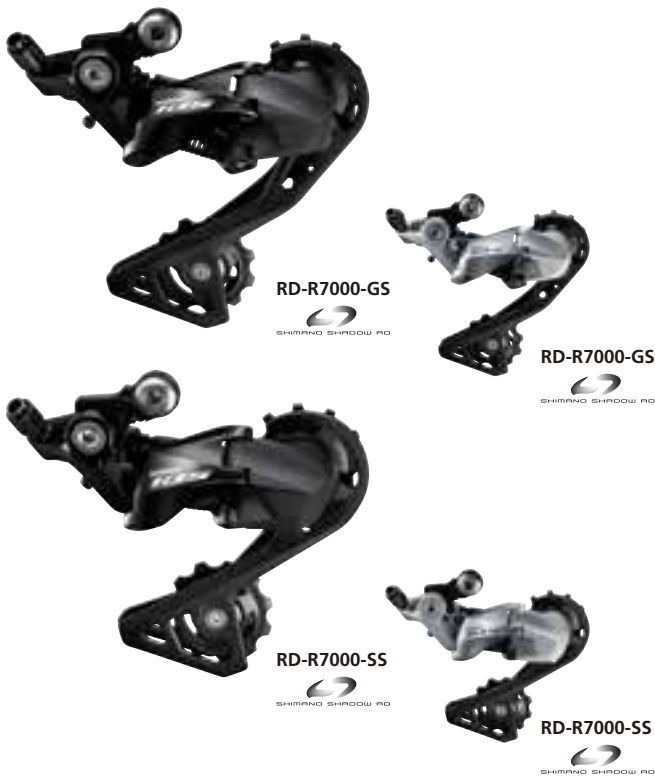
- **Optimum power transfer**
 - » Reinforced chainring construction to keep balance between weight and rigidity
- **Rider tuned wide range gearing**
 - » 50-34T, 52-36T, 53-39T
- **Weight: 77 g (SM-BBR60), 69 g (SM-BB72-41B)**



SM-BB72-41



SM-BBR60



RD-R7000

Rear Derailleur (11-speed)

- **Stable shifting performance**
 - » SHIMANO SHADOW RD
- **Wide compatibility**
 - » RD-SS covers: 11-25T to 11-30T
 - » RD-GS covers: 11-28T to 11-34T
 - » Direct mount compatible
- **Weight:** 225 g (RD-R7000-SS), 232 g (RD-R7000-GS)
- **Color options:** Silky Black, Spark Silver

CS-R7000

HG Cassette Sprocket (11-speed)

- **High performance rider tuned gearing with wider gear choices**
- **Gear combination:** 11-28T, 11-30T, 11-32T, 12-25T
- **Weight:** 284 g (11-28T), 304 g (11-30T), 320 g (11-32T), 269 g (12-25T)



CS-R7000
HG-EV



CS-HG700-11
HG-EV

CS-HG700-11

HG Cassette Sprocket (11-speed)

- **High performance rider tuned gearing**
- **Fits a wide variety of drop handlebar Road bikes**
 - » Removable spacer for compatibility with MTB hub body
- **Gear combination:** 11-34T
- **Weight:** 379 g

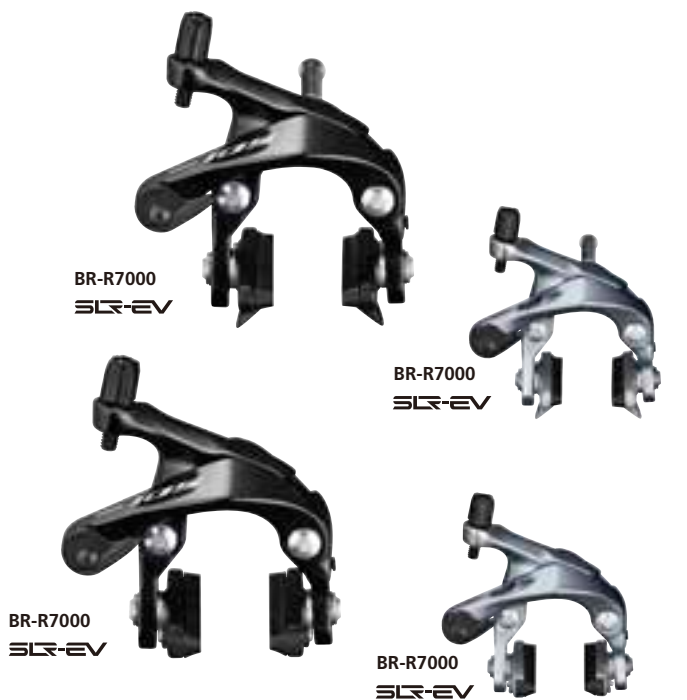
CN-HG601-11

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:** 257 g (114 Link)



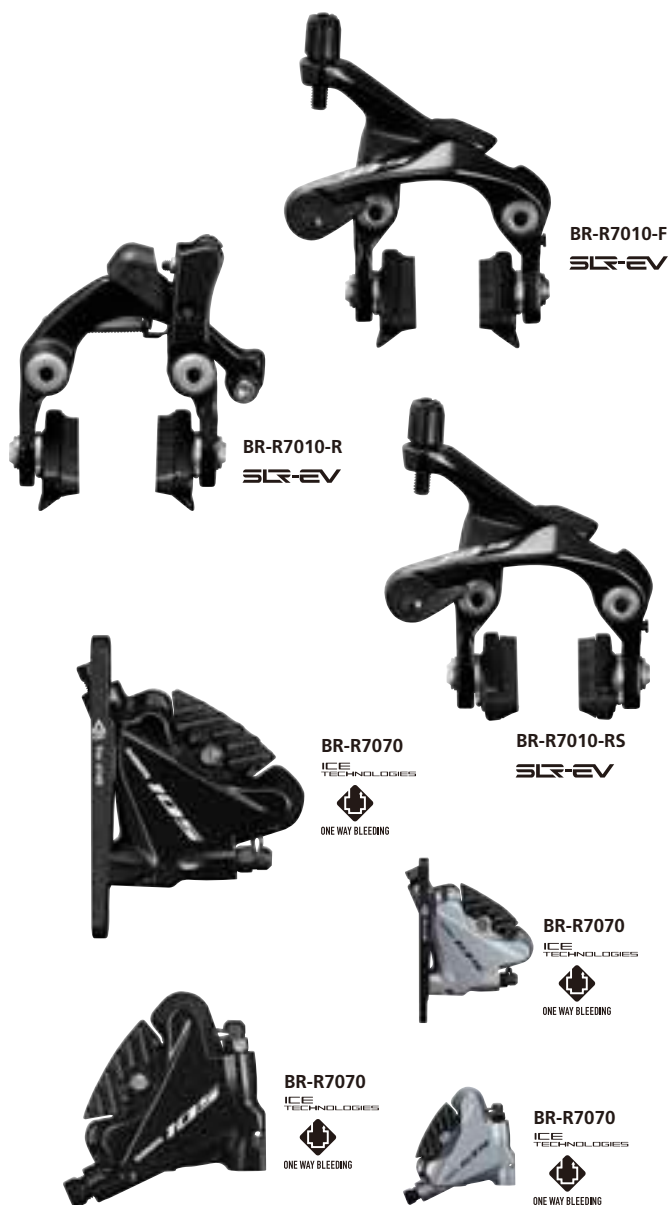
CN-HG601-11
HG-X11
SIL-TEC



BR-R7000

Dual-Pivot Brake Caliper

- **Clear contact feeling with balanced rigidity, weight and stopping power**
 - » More predictable, linear braking curve
- **Sleek design**
 - » Narrower gap between arms
- **Wider clearance with larger tire sizes**
 - » Compatible with wider 28C tire size
- **Weight: 379 g (Pair)**
- **Color options: Silky Black, Spark Silver**



BR-R7010-F/R/RS

Direct Mount Type Brake Caliper

- **Integrated braking performance**
 - » Sleek low-profile caliper design
- **Comfortable rough road riding with larger tire sizes**
 - » Wider clearance with larger tire sizes
 - Compatible with wider 28C tire size
- **Intuitive braking control**
 - » Smooth and light operation
 - SLR-EV
- **Weight: 173 g (BR-R7010-R pc), 174 g (BR-R7010-RS pc, BR-R7010-F pc)**
- **Color options: Silky Black**

BR-R7070

Hydraulic Disc Brake Caliper

- **Greater rider control in all conditions**
 - » Excellent heat dissipation
 - ICE TECHNOLOGIES
- **Simple set up and maintenance**
 - » Convenient tool access
 - Easy hose joint system (J-kit)
 - » Simple wheel replacement
 - » Easy and clean bleeding system
 - ONE WAY BLEEDING
- **Weight: 147 g (BR-R7070-F pc), 138 g (BR-R7070-R pc)**
- **Color options: Silky Black, Spark Silver**

SM-RT70



SM-RT70

CENTER LOCK Disc Brake Rotor

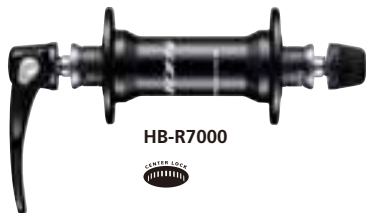
- **Consistent braking performance**
 - » Stainless steel/Aluminum/Stainless steel 3-layer sandwich structure
- **Size: 160 mm, 140 mm**



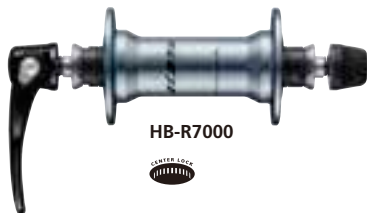
FH-R7000



HB-R7000



HB-R7000



HB-R7000



FH-R7070



HB-R7070



SM-CB90

Inline Brake Cable Adjuster

- **Inline brake cable adjuster with quick release for BR-5810-R**

FH-R7000/HB-R7000

Front Hub & Rear FREEHUB

- **High durability, smooth rolling for sustained performance**
 - » Internal O-rings and grease sleeve
 - » High quality cup & cone bearing
- **Weight: 368 g (FH-R7000), 155 g (HB-R7000)**
- **Color options: Silky Black, Spark Silver**

FH-R7070/HB-R7070

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

- **Great stability**
 - » High rigidity
 - Road 12 mm E-THRU axle
- **Easy installation and maintenance**
- **Weight: 361 g (FH-R7070), 165 g (HB-R7070)**
- **Color options: Silky Black**

PROGRESSIVE ALL-ROAD PERFORMANCE

10-speed TIAGRA provides serious entry-level riding performance with cascaded technology from top-tier lines.

❖ MAJOR BENEFITS

- More intuitive control for shifting
- The 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

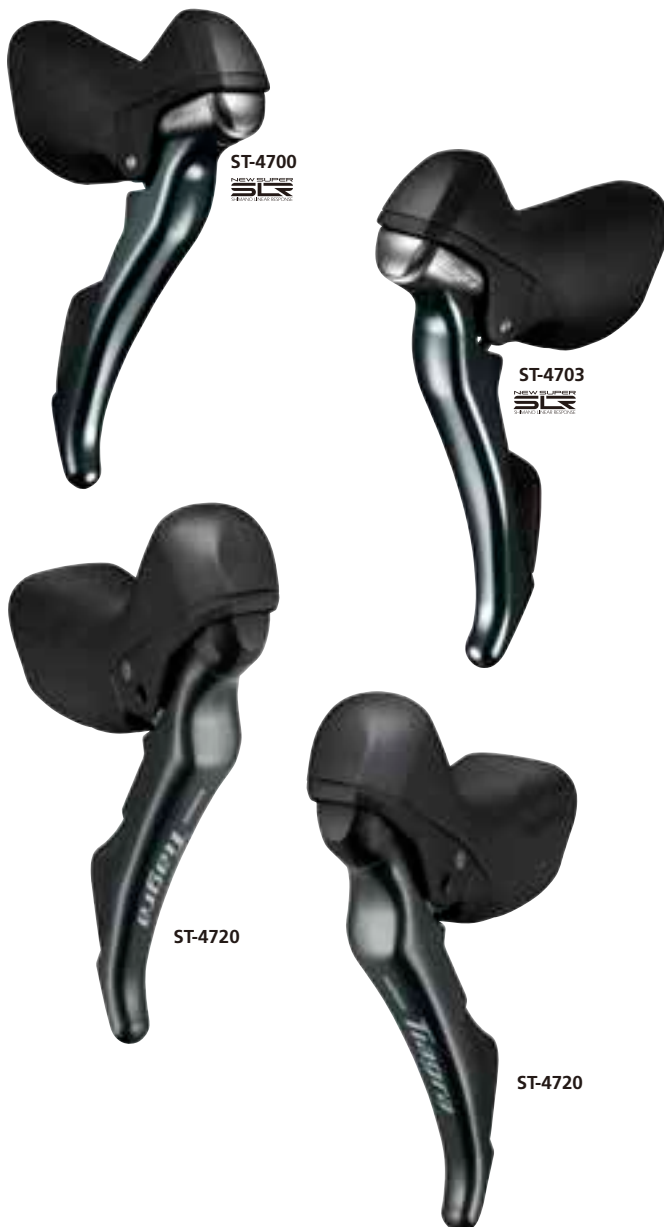


<https://productinfo.shimano.com/#/lc/tiagra>

2x10-speed
[Hydraulic disc brake]



https://productinfo.shimano.com/#/lc/tiagra/hdb_2x10



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

ST-4720

Hydraulic Disc Brake DUAL CONTROL LEVER (10-speed)

- **Greater rider comfort and control in all conditions**
 - » Ergonomics cascaded from 105
 - » Greater reach adjust range
 - » Smooth and effortless operation
 - DUAL CONTROL LEVER
- **Quick and intuitive rear shifting operation**
 - » Redesigned internal shifting unit
- **Same level of shifting operation as more high end road groupsets**



ST-4725

ST-4725

ST-4725

Hydraulic Disc Brake DUAL CONTROL LEVER (Small Hands Version) (10-speed)

- **Greater confidence and control for riders with smaller hands in all conditions**
 - » Smaller lever size and new positioning improves ergonomics
 - » Dedicated lever for riders with smaller hands
 - » Smooth and effortless operation
 - DUAL CONTROL LEVER
- **Quick and intuitive rear shifting operation**
 - » Redesigned internal shifting unit
 - SIS (ST-4725-L)
- **Same level of shifting operation as more high end road groupsets**



SL-4700



SL-4703



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 2-WAY RELEASE



FD-4700



FD-4703

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 chain 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



FC-4703



BB-RS500



RD-4700-SS



RD-4700-GS



CS-HG500-10



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 optimized for our HG-X chain
- **Gear combination: 48-34T, 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/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

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
NEW EQUIPMENT
SLX
SHIMANO TECHNOLOGIES

BL-4700
NEW EQUIPMENT
SLX
SHIMANO TECHNOLOGIES

BL-4700

Brake Lever

- Intrinsicly 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
NEW EQUIPMENT
SLX
SHIMANO TECHNOLOGIES

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



BR-4770



BR-4770



BR-4770

Hydraulic Disc Brake Caliper

- Greater rider control and confidence in all conditions
 - » Integrated hydraulic brake and shifting lever
- Simple set up and maintenance
 - » Convenient tool access
 - Easy hose joint system (J-kit)
 - » Simple wheel replacement
 - » Easy and clean bleeding system
 - ONE WAY BLEEDING



HB-RS400



FH-RS400



HB-RS470



FH-RS470



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

HB-RS470

Front Hub for Disc Brake (12 mm E-THRU Axle, 100 mm O.L.D.)

FH-RS470

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

- High quality sealing cup and cone bearing
- Internal grease sleeve

EMBRACE NEW CHALLENGES

The 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

<https://productinfo.shimano.com/#/lc/sora>



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

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
- Gear combination: 50-34T (FC-R3000, FC-R3030), 50-39-30T (FC-R3000-CG, FC-R3030-CG)
- Crank arm length: 165, 170, 175 mm

BB-RS500

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction

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

HG Cassette Sprocket (9-speed)

- Max. 34T low gear combination
- Gear combination: 11-25T, 11-28T, 11-32T, 11-34T

BL-R3000

Brake Lever

- Design to seamlessly function with SL-R3000
- Brake lever is compatible with a wide variety of brake calipers

BR-R3000

Dual-Pivot Brake Caliper

- Better braking power and performance for entry level riders
 - » 20% increase in braking performance

HB-RS300

Front Hub

FH-RS300

Rear FREEHUB

- Color options: Black, Silver

RIDE IN STYLE

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

<https://productinfo.shimano.com/#/lc/claris>



ST-R2000-L
NEW SLIPPER
SLX
OPTICAL GEAR DISPLAY

ST-R2000-R
NEW SLIPPER
SLX
OPTICAL GEAR DISPLAY

ST-R2030
NEW SLIPPER
SLX
OPTICAL GEAR DISPLAY

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

ST-R2030

DUAL CONTROL LEVER (3x8-speed)

- Clean cockpit with smooth operation and clear feedback
 - » Cable integrated design
 - OPTISLICK
 - » Ergonomically designed bracket



SL-R2000
OPTICAL GEAR
RELEASE
Optical Gear
Display

SL-R2000
OPTICAL GEAR
RELEASE
Optical Gear
Display



SL-R2030
OPTICAL GEAR
RELEASE
Optical Gear
Display

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

SL-R2030

RAPIDFIRE PLUS Shifting Lever (3x8-speed)

- Clean cockpit with smooth operation and clear feedback
 - » Lighter handling
 - RAPIDFIRE PLUS



ST-RS200
SUPER SLR
Optical Gear Display



ST-RS200
SUPER SLR
Optical Gear Display



ST-RS203
SUPER SLR
Optical Gear Display



FD-R2000-F



FD-R2000-B



FD-R2030-F



FD-R2030-B

ST-RS200

RAPIDFIRE PLUS Shifting/Brake Lever Set (2x8-speed)

- Clean cockpit for flat handle bar
» OPTISLICK

ST-RS203

RAPIDFIRE PLUS Shifting/Brake Lever Set (3x8-speed)

- Clean cockpit for flat handle bar
» OPTISLICK

FD-R2000

Front Derailleur (2x8-speed)

- Smooth gear transitions increase road-riding enjoyment
» Lighter operation
- Total capacity: 16T (FD-R2000-B, FD-R2000-F)

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



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
- Crank arm length: 165 mm, 170 mm, 175 mm

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
- Crank arm length: 165 mm, 170 mm, 175 mm



FC-R2030



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



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: 43T (RD-R2000-GS), 37T (RD-R2000-SS)

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



BL-R2000

Dual-Pivot Brake Lever

- Compatible with a wide variety of brakes



BR-R2000



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

XTR

DEORE XT

SLX

Di2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO *Tourney* Series A070

ENJOY CASUAL ROAD BIKE BY APPROPRIATE GEAR RATIO

❖ MAJOR BENEFITS

- Light operation and Smooth shifting
- Stress free for urban cycling



3/2x7-speed

https://productinfo.shimano.com/#/lc/tourney_a070



ST-A070



ST-A073



ST-A070

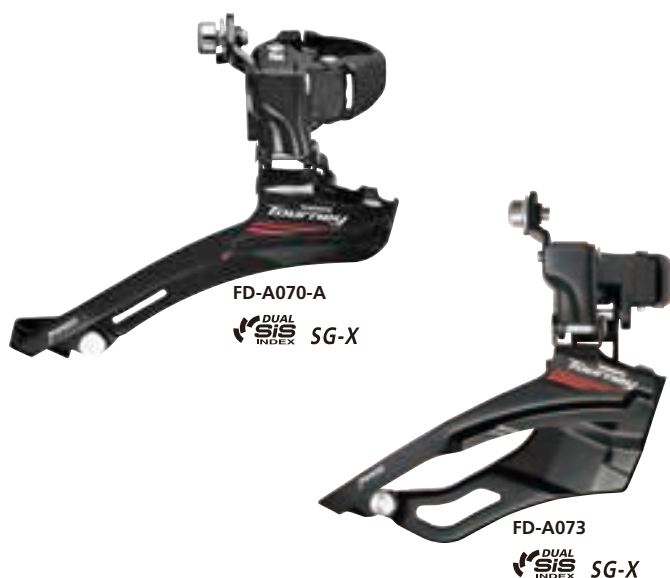
DUAL CONTROL LEVER (2x7-speed)

- 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



FD-A073



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 chaining compatible
 - » Quick assemble
 - » Interchangeable with SHIMANO road 7-speed system
 - » Easy adjusting

SHIMANO Tourney Series A070



FC-A070

DUAL SIS INDEX SG-X



FC-A073

DUAL SIS INDEX SG-X



RD-A070

DUAL SIS INDEX



BB-UN300

FC-A070

Crankset (2x8/7-speed)

- 50-34T
- 8/7-speed compatible

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-UN300
 - » 50-39-30T, chain guard

BB-UN300

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

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



SL-A050-LN



SL-A050-7R

DUAL SIS INDEX



SL-SY20A

SL-A050

Shift Lever (2/Frictionx7-speed)

- Handlebar mount

SL-SY20A

Shift Lever (2/Frictionx7/6-speed)

- Stem or down tube mount



2x7-speed

https://productinfo.shimano.com/#/lc/shimano_a050

SHIMANO Series

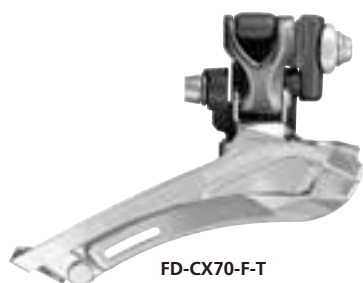
High-quality Road and Cyclocross Components
from SHIMANO's Experience



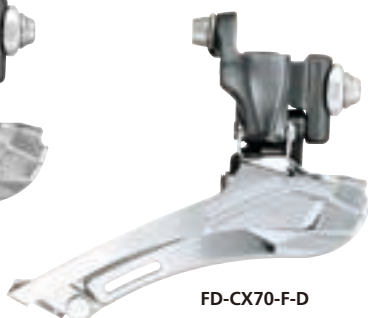
FC-RS510
HG-EV
2-PIECE CRANKSET



BB-RS500



FD-CX70-F-T



FD-CX70-F-D



FC-R460
2-PIECE CRANKSET



FC-RS400
2-PIECE CRANKSET

For 11-speed

FC-RS510

Crankset (2x11-speed)

- Affordable and high-end style crankset
 - » 4-arm crankset for 11-speed drive train
 - » Compatible with frames of O.L.D. 135 mm and 410 mm chainstay length
- New gear combination: 52-36T, 46-36T
- Current gear combination: 50-34T
- 2-PIECE CRANKSET
- Color: Black

BB-RS500

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction

For 10-speed

FD-CX70-F-T

Direct Mount, Top Pull Front Derailleur (2x10-speed)

FD-CX70-F-D

Direct Mount, Down Pull Front Derailleur (2x10-speed)

- Top Pull cable routing for best performance (FD-CX70-F-T)
- Chain guide developed for specifically cyclocross use
- Compatible with current SHIMANO road 10-speed (ST-4600)
- Top routing and down routing available
- Weight: 92g (FD-CX70-F-T)
87g (FD-CX70-F-D)

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
- Gear combination: 50-34T
- Crank arm length: 170, 175 mm



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
- Chaining combination: 46-36T
- Weight: 798g (170mm, w/o BB)
- Color options: Black, Silver

BB-RS500

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction

For 9-speed



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
 - » 26 g lighter weight than BB-ES25
- Quick and precise assembly
 - » Good chain line control with chain stabilizer

SHIMANO Series



BL-R400
NEW SUPER SLR

SL-R400
SIS INDEX

FC-RS200



BB-UN300



BR-R561
NEW SUPER SLR



BR-R561
NEW SUPER SLR



BR-R451
SUPER SLR



BR-R451
SUPER SLR



BR-R353



BR-R353

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-UN300

Square Type Bottom Bracket

- SHIMANO quality/performance cartridge bearing square bottom bracket
- Better chainline stability with chainline stabilizer
- 3 structures available
 - » Standard, E-type, chain case options
- Adapter material: Aluminum

Calliper Brakes

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

Dual-Pivot Caliper Brake

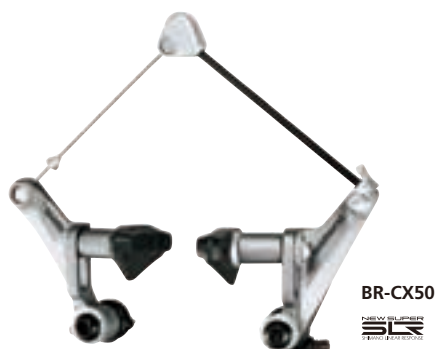
- Providing light action & accurate brake power
 - » SHIMANO SUPER SLR system
 - » Adjustable toe-in brake shoes
- Quick release Wider Open
- 57mm reach type
- Color options: Black, Silver

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



Cantilever brake

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: 175 g (F&R)



Mechanical Disc Brakes

BR-R317

Mechanical Disc Brake Caliper

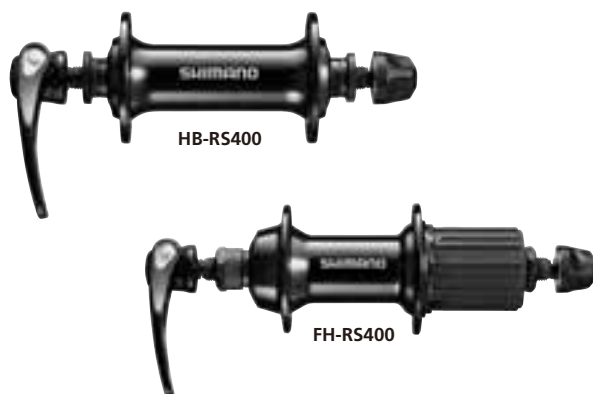
- Compact design
- Lower profile (vs. BR-R505)
- SM-RT54 160mm recommended
- Color options: Black



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

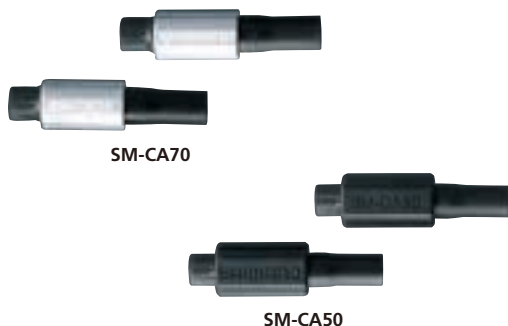
HB-RS400

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



Cable Inline Adjusters

SM-CA70/50

Inline Shifting Cable Adjuster

- Inline type of cable adjuster
- Possible to fit several type of frame

SM-CB70

- Inline brake cable adjuster

SHIMANO Series

Flat Handlebar Components



SL-RS700-R



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

BL-RS600

I-spec II



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, SL-RS405

BL-R780

NEW SUPER
SLR



BL-R780

NEW SUPER
SLR

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

NEW SUPER
SLR



BL-R550

Brake Lever

- More brake choices
 - » Compatible with SUPER SLR caliper brake, mechanical disc brake, canti brake
- Color options: Black, Silver

7710 Series

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.



HB-7600-F



HB-7600-R



HB-7710-F



HB-7710-R



FC-7710
CETALINK



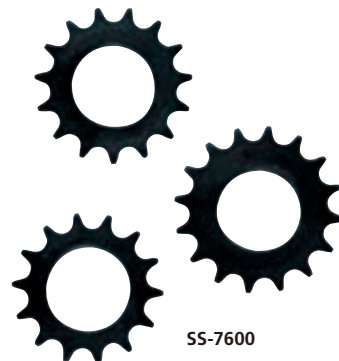
BB-7700



BB-7710
(NJS type)



HP-7410



SS-7600

GRAVEL/ADVENTURE

Gravel, the new and striking category expects a specialized, ground-up groupset from SHIMANO which bring cyclists to further and broader adventures.

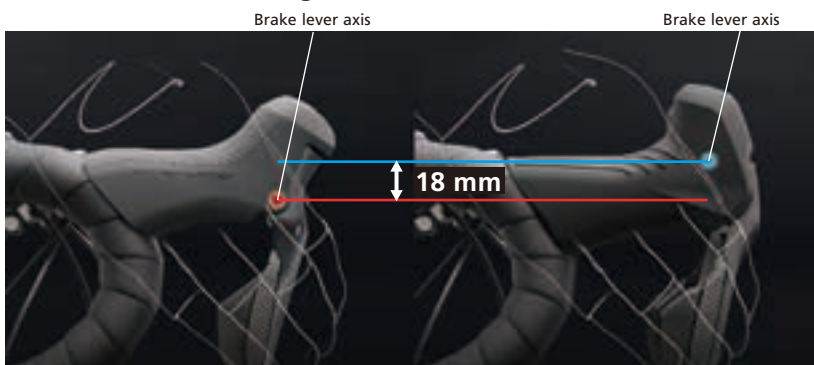


Gravel inspired shift/brake lever design

Higher braking efficiency reduces fatigue on long and challenging rides

- MTB
- TREKKING
- URBAN
- ROAD
- GRAVEL**
- WHEEL
- PEDAL

18 mm higher raised brake lever axis



Road (ST-R9150)

Gravel (ST-RX815)

Curved brake lever



Prevents hand misalignment and slippage

Raised hood head



Road (ST-R9150)

Gravel (ST-RX815)

Ribbed surface texture

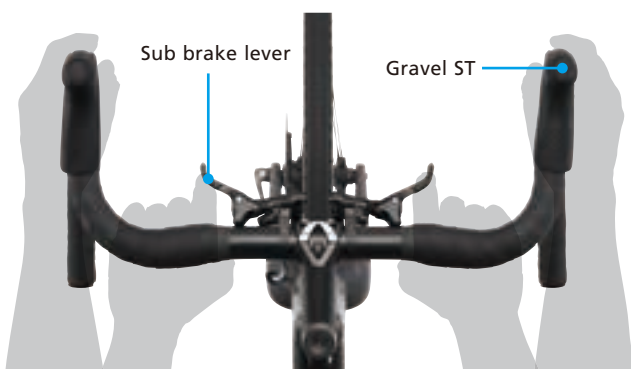


Anti-slip coating



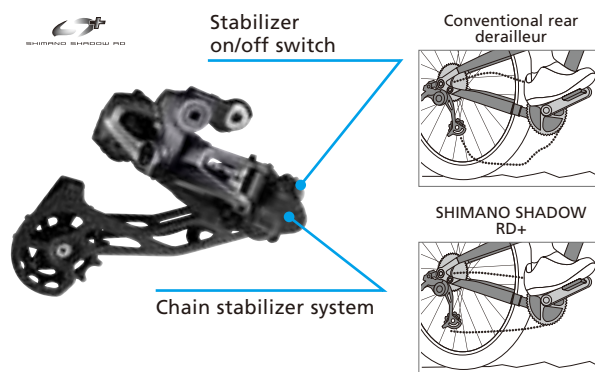
Gravel inspired cockpit

More confident and accessible braking from multiple handlebar positions



SHIMANO SHADOW RD+

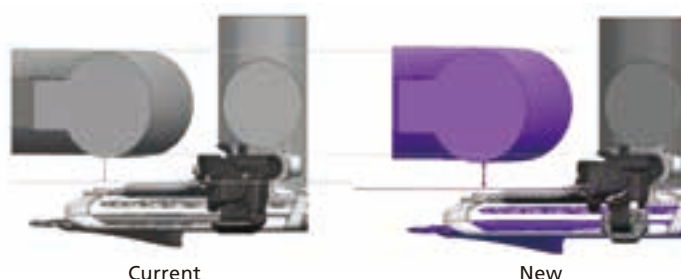
- Switch "ON" mode focus on gravel riding
- "Off" mode also one of the choices as the conventional road riding



Wider tire clearance

For double front derailleur and crankset

- Chainline +2.5 mm vs. current conventional road



Current

New

- XTR
- DEORE XT
- SLX
- DI2
- DEORE
- SAINT
- ZEE
- DXR
- SHIMANO Series
- ALIVIO
- ACERA 9-speed
- ALTUS 9-speed
- ACERA ALTUS 8/7s
- TOURNEY TX
- TOURNEY
- TOURNEY TZ
- DEORE XT
- DEORE
- ALIVIO
- ACERA
- ALFINE
- NEXUS
- Hub Dynamo
- DURA-ACE
- ULTEGRA
- SHIMANO 105
- TIAGRA
- SORA
- CLARIS
- TOURNEY A070
- SHIMANO Series
- Others

GRX

SHIMANO GRX

EXPLORE BEYOND

SHIMANO GRX, with its gravel specific ergonomics, optimized gearing options, rugged reliability, and quiet and stable drivetrain, sets itself apart from the rest of the component world. It isn't a reworked set of road components. It represents a ground up look at how cyclists want to explore their world. SHIMANO GRX helps you eliminate excuses, instead urging you to try that rough sidetrack or ride that little bit longer. It offers you the option to Explore Beyond.

❖ MAJOR BENEFITS

- Gravel inspired shift/brake lever design
- Gravel inspired cockpit
- SHIMANO SHADOW RD+
- Wider tire clearance

RX810 Series
2/1x11-speed



https://productinfo.shimano.com/#/lc/rx810/mech_2x11

Di2
RX810 Series
2/1x11-speed



<https://productinfo.shimano.com/#/lc/rx810>

RX600 Series
2/1x11-speed



<https://productinfo.shimano.com/#/lc/rx600>

RX400 Series
2x10-speed



<https://productinfo.shimano.com/#/lc/rx400>





ST-RX810

ST-RX810



ST-RX810-LA

BL-RX810-L



FD-RX810-F



FC-RX810-1



SM-BBR60



SM-BB72-41B

ST-RX810

Hydraulic Disc Brake DUAL CONTROL LEVER (11-speed)

- **Greater mixed-terrain control**
 - » Gravel inspired lever and bracket ergonomics
 - » Anti-slip ribbed surface texture and brake lever coating
- **Same light shifting operation as top tier road systems**
- **Weight: 286 g (ST-RX810-R), 284 g (ST-RX810-L)**

ST-RX810-LA

Hydraulic Disc Brake Lever w/ Dropper Post Operation

- **Streamlined cockpit minimizes stress and distractions**
 - » Integrated cable pulling system
 - » 8.3 mm cable stroke
 - » Control dropper post from shifting lever
 - Anti-slip ribbed surface texture and brake lever coating
- **Weight: 263 g**

BL-RX810-L

Hydraulic Disc Brake Lever

- **Greater mixed-terrain control**
 - » Gravel inspired lever and bracket ergonomics
 - » Anti-slip ribbed surface texture and brake lever coating
- **Weight: 222 g**

FD-RX810

Front Derailleur (11-speed)

- **Lighter front shifting**
 - » Ergonomic power curve
 - New link (toggle) construction
 - » Natural stroke feeling
- **Wider tire clearance**
 - » Chainline +2.5 mm vs. conventional road FD
- **Wider range front gearing**
 - » 17T front range
- **Precise and easy front derailleur adjustment**
 - » More cable routing options
 - New link (toggle) construction
 - » Integrated cable tension adjustment
- **Total capacity: 17T**
- **Weight: 96 g**

FC-RX810-1

HOLLOWTECH II Crankset

- **Optimum gearing for mixed terrains and riding styles**
 - » Tighter gear steps maintain rhythm on familiar routes
- **Gear combination: 40T, 42T**
- **Crank arm length: 170 mm, 172.5 mm, 175 mm**
- **Weight: 644 g (40T), 656 g (42T)**

SM-BBR60

Bottom Bracket

SM-BB72-41

Press-Fit Type Bottom Bracket

- **Optimum power transfer**
 - » Lightweight maintains efficiency
- **DURA-ACE proven 4-arm design: Same stiffness and lighter weight**
- **14 g 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: 77 g (SM-BBR60)
69 g (SM-BB72-41B)**



FC-RX810-2



FC-RX810-2

HOLLOWTECH II Crankset

- **Optimum gearing for mixed terrains and riding styles**
 - » Gravel gear ratios preserve riding rhythm over rough surfaces with wider tires
- **Wider range front system**
 - » 17T front range
- **Gear combination: 48-31T**
- **Crank arm length: 170 mm, 172.5 mm, 175 mm**
- **Weight: 710 g**

RD-RX810

SHIMANO SHADOW RD+ (11-speed)

- **Silent and uninterrupted rear shifting on rough terrain**
 - » Adjustable chain stabilizer prevents chain slapping and drops
 - SHIMANO SHADOW RD+
- **Smooth and reliable mixed surface shifting**
 - » Toggle clutch ON/OFF to match the terrain
 - » Switch stabilizer ON/OFF to match the terrain
 - » Gravel-tuned clutch tension
- **Compatible with current road DUAL CONTROL LEVER**
- **Maximum front difference: 17T**
- **Top sprocket: Max. 11T/Min. 11T**
- **Low sprocket: Max. 34T/Min. 30T**
- **Total capacity: 40T**
- **Weight: 255 g**



RD-RX810



RD-RX812



RD-RX812

SHIMANO SHADOW RD+ (11-speed)

- **Silent and uninterrupted rear shifting on rough terrain**
 - » Adjustable chain stabilizer prevents chain slapping and drops
 - SHIMANO SHADOW RD+
- **Smooth and reliable mixed surface shifting**
 - » Switch stabilizer ON/OFF to match the terrain
 - » Gravel-tuned clutch tension
- **Compatible with current road DUAL CONTROL LEVER**
- **Top sprocket: Max. 11T/Min. 11T**
- **Low sprocket: Max. 42T/Min. 40T**
- **Total capacity: 31T**
- **Weight: 267 g**



BR-RX810



BR-RX810

Hydraulic Disc Brake Caliper

- **Never hesitate to tackle rough surfaces**
 - » Excellent heat dissipation
 - ICE TECHNOLOGIES
 - » Flat mount
- **Simple set up and maintenance**
 - » Convenient tool access
 - Easy hose joint system (J-kit)
 - » Simple wheel replacement
 - » Easy and clean bleeding system
 - ONE WAY BLEEDING
- **Weight: 148 g (BR-RX810-F), 138 g (BR-RX810-R)**
- **Color options: series color**



BL-RX812

BL-RX812

Hydraulic Disc Sub Brake Lever

- **More confident and accessible braking from multiple positions**
 - » Quickly brake when riding upright
- **Less fatigue on long tours**
- **Weight: 81.9 g (pcs)**



ST-RX815
SHIMANO
SHIMANO ELECTRIC MOTOR SYSTEM
E-tube

ST-RX815
SHIMANO
SHIMANO ELECTRIC MOTOR SYSTEM
E-tube

ST-RX815

Hydraulic Disc Brake DUAL CONTROL LEVER for Di2 (11-speed)

- **Improved grip and confidence on choppy surfaces and descents**
 - » Raised hood head prevents hand misalignment and slippage
 - » Recessed finger notch prevents upward slipping
 - » Anti-slip ribbed surface texture and brake lever coating
- **Higher braking efficiency reduces fatigue on long rides**
 - » Improved braking input performance
 - » Higher brake lever axis and curved brake lever
- **Weight: 373 g (pair)**



FD-RX815-F
SHIMANO
SHIMANO ELECTRIC MOTOR SYSTEM
E-tube

FD-RX815

Front Derailleur for Di2 (11-speed)

- **Wider tire clearance**
 - » Chainline +2.5 mm vs. conventional road FD
- **Wider range front gearing**
 - » 17T front range
- **Total capacity: 17T**
- **Weight: 135 g**



RD-RX815
SHIMANO
SHIMANO ELECTRIC MOTOR SYSTEM
E-tube SHIMANO SHADOW RD+

RD-RX815

SHIMANO SHADOW RD+ for Di2 (11-speed)

- **Silent and uninterrupted rear shifting on rough terrain**
 - » Adjustable chain stabilizer prevents chain slapping and drops
 - SHIMANO SHADOW RD+
- **Smooth and reliable mixed surface shifting**
 - » Switch stabilizer ON/OFF to match the terrain
 - » Gravel-tuned clutch tension
- **Compatible with current road DUAL CONTROL LEVER**
- **Maximum front difference: 17T**
- **Top sprocket: Max. 11T/Min. 11T**
- **Low sprocket: Max. 34T/Min. 30T**
- **Total capacity: 38T**
- **Weight: 287 g**



RD-RX817
SHIMANO
SHIMANO ELECTRIC MOTOR SYSTEM
E-tube SHIMANO SHADOW RD+

RD-RX817

SHIMANO SHADOW RD+ for Di2 (11-speed)

- **Silent and uninterrupted rear shifting on rough terrain**
 - » Adjustable chain stabilizer prevents chain slapping and drops
 - SHIMANO SHADOW RD+
- **Smooth and reliable mixed surface shifting**
 - » Switch stabilizer ON/OFF to match the terrain
 - » Gravel-tuned clutch tension
- **Compatible with current road DUAL CONTROL LEVER**
- **Top sprocket: Max. 11T/Min. 11T**
- **Low sprocket: Max. 42T/Min. 40T**
- **Total capacity: 31T**
- **Weight: 318 g**



ST-RX600



ST-RX600



ST-RX400



ST-RX400



BL-RX600



FD-RX400-F



FC-RX600-1



ST-RX600

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

- **Greater mixed-terrain control**
 - » Gravel inspired lever and bracket ergonomics
 - » Anti-slip brake lever coating
- **Same light shifting operation as top tier road systems**
- **Weight:** 307 g (ST-RX600-R), 306 g (ST-RX600-L)

ST-RX400

Hydraulic Disc Brake DUAL CONTROL LEVER (10-speed)

- **Greater mixed-terrain control**
 - » Gravel inspired lever and bracket ergonomics
- **Same light shifting operation as top tier road systems**
- **Weight:** 307 g (ST-RX400-R), 306 g (ST-RX400-L)

BL-RX600

Hydraulic Disc Brake Lever

- **Greater mixed-terrain control**
 - » Gravel inspired lever and bracket ergonomics
 - » Anti-slip brake lever coating
- **Weight:** 227 g

FD-RX400

Front Derailleur (10-speed)

- **Lighter front shifting**
 - » Ergonomic power curve
 - New link (toggle) construction
 - » Natural stroke feeling
- **Wider tire clearance**
 - » Chainline +2.5 mm vs. conventional road FD
 - » Compatible with up to 42 mm tires
- **Precise and easy front derailleur adjustment**
 - » More cable routing options
 - New link (toggle) construction
 - » Integrated cable tension adjustment
- **Total capacity:** 16T
- **Weight:** 96 g

FC-RX600-1

2-PIECE CRANKSET (11-speed)

- **Optimum gearing for mixed terrains and riding styles**
 - » Tighter gear steps maintain rhythm on familiar routes
- **Gear combination:** 40T
- **Crank arm length:** 165 mm, 170 mm, 172.5 mm, 175 mm
- **Weight:** 743 g



FC-RX600-11



FC-RX600-10



RD-RX400



BB-R5500



BR-RX400



FC-RX600-11

2-PIECE CRANKSET (11-speed)

- Optimum gearing for mixed terrains and riding styles
 - » Wider gear range for long tours or unknown terrain
- Gear combination: 46-30T
- Crank arm length: 165 mm, 170 mm, 172.5 mm, 175 mm
- Weight: 806 g

FC-RX600-10

2-PIECE CRANKSET (10-speed)

- Optimum gearing for mixed terrains and riding styles
 - » Wider gear range for long tours or unknown terrain
- Gear combination: 46-30T
- Crank arm length: 165 mm, 170 mm, 172.5 mm, 175 mm
- Weight: 810 g

BB-R5500

Bottom Bracket

BB-R5500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction

RD-RX400

SHIMANO SHADOW RD+ (10-speed)

- Silent and uninterrupted rear shifting on rough terrain
 - » Adjustable chain stabilizer prevents chain slapping and drops
 - SHIMANO SHADOW RD+
- Smooth and reliable mixed surface shifting
 - » Switch stabilizer ON/OFF to match the terrain
 - » Gravel-tuned clutch tension
- Compatible with current 10s road DUAL CONTROL LEVER
- Wide range front gearing
 - » Maximum front T difference: 16T
- Top sprocket: Max. 11T/Min. 11T
- Low sprocket: Max. 36T/Min. 32T
- Total capacity: 41T
- Weight: 303 g

BR-RX400

Hydraulic Disc Brake Caliper

- Never hesitate to tackle rough surfaces
 - » Excellent heat dissipation
 - ICE TECHNOLOGIES
 - » Flat mount
- Simple set up and maintenance
 - » Convenient tool access
 - Easy hose joint system (J-kit)
 - » Simple wheel replacement
 - » Easy and clean bleeding system
 - ONE WAY BLEEDING



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.



Road Wheels for Disc Brake



WH-R9270-C60-HR-TU

WH-R9270-C60-HR-TL

DURA-ACE

CFRP TUBULAR (E-THRU)

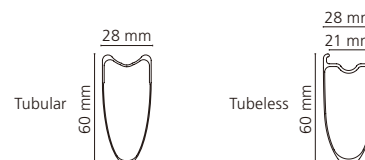
CFRP TUBELESS (E-THRU)

NEW

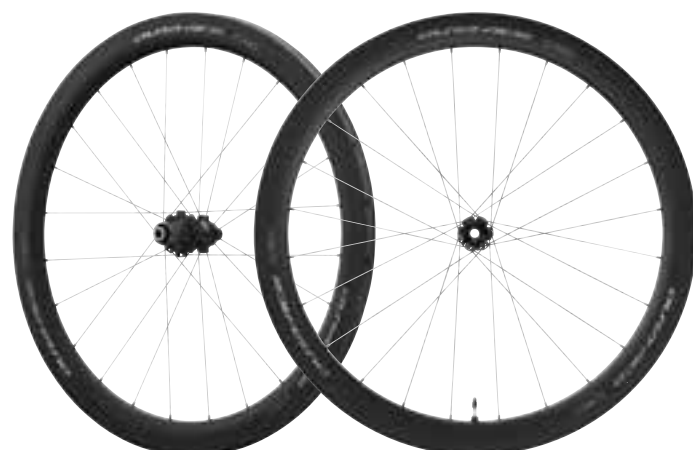
WH-R9270-C60-HR

C60 Disc Brake Wheel

- HR: High-Rigidity ver. +20% increased lateral rigidity for powerful riders and sprinters
- 60 mm height full carbon rim
- External rim width: 28 mm (tubular)
- Internal rim width: 21 mm (tubeless)
- DIRECT ENGAGEMENT
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9270-C60-HR-TU	Tubular	12 mm E-THRU	CFRP	12-speed	142 mm	668 g	769 g
WH-R9270-C60-HR-TL	Tubeless	12 mm E-THRU	CFRP	12-speed	142 mm	751 g	858 g



WH-R9270-C50-TU

WH-R9270-C50-TL

DURA-ACE

CFRP TUBULAR (E-THRU)

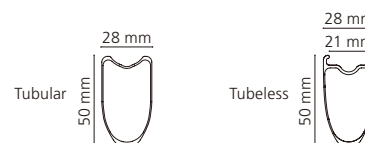
CFRP TUBELESS (E-THRU)

NEW

WH-R9270-C50

C50 Disc Brake Wheel

- All-round wheels with balanced aerodynamics and lightweight materials
- 50 mm height full carbon rim
- External rim width: 28 mm (tubular)
- Internal rim width: 21 mm (tubeless)
- DIRECT ENGAGEMENT
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9270-C50-TU	Tubular	12 mm E-THRU	CFRP	12-speed	142 mm	609 g	722 g
WH-R9270-C50-TL	Tubeless	12 mm E-THRU	CFRP	12-speed	142 mm	673 g	786 g

MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR
DEORE XT
SLX
Di2
DEORE
SAINT
ZEE
DXR
SHIMANO Series

ALIVIO
ACERA 9-speed
ALTUS 9-speed
ACERA ALTUS 8/7s
TOURNEY TX

TOURNEY
TOURNEY TZ
DEORE XT
DEORE

ALIVIO
ACERA
ALFINE
NEXUS

Hub Dynamo
DURA-ACE
ULTEGRA
SHIMANO 105

TIAGRA
SORA
CLARIS
TOURNEY A070

SHIMANO Series
Others
GRX

Road Wheels for Disc Brake



WH-R9270-C36-TU

WH-R9270-C36-TL

DURA-ACE

CFRP TUBULAR (E-THRU)

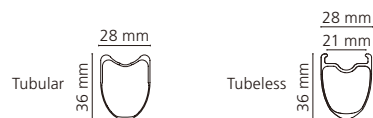
CFRP TUBELESS (E-THRU)

NEW

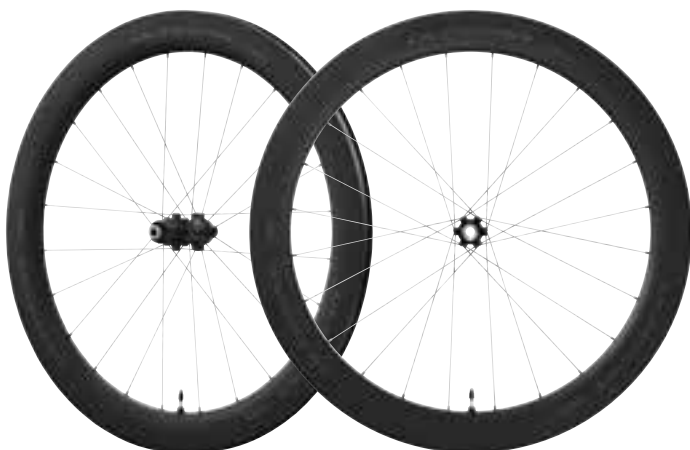
WH-R9270-C36

C36 Disc Brake Wheel

- Lightweight wheels for hilly and mountainous profile
- 36 mm height full carbon rim
- External rim width: 28 mm (tubular)
- Internal rim width: 21 mm (tubeless)
- **DIRECT ENGAGEMENT**
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9270-C36-TU	Tubular	12 mm E-THRU	CFRP	12-speed	142 mm	519 g	631 g
WH-R9270-C36-TL	Tubeless	12 mm E-THRU	CFRP	12-speed	142 mm	620 g	730 g



SHIMANO

ULTEGRA

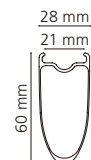
CFRP TUBELESS (E-THRU)

NEW

WH-R8170-C60

C60 Tubeless Disc Brake Wheel

- 60 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with new DURA-ACE wheels
» Improved aerodynamics



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R8170-C60-TL	Tubeless	12 mm E-THRU	CFRP	12/11-speed	142 mm	737 g	910 g



SHIMANO
ULTEGRA

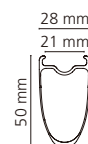
CFRP TUBELESS (E-THRU)

NEW

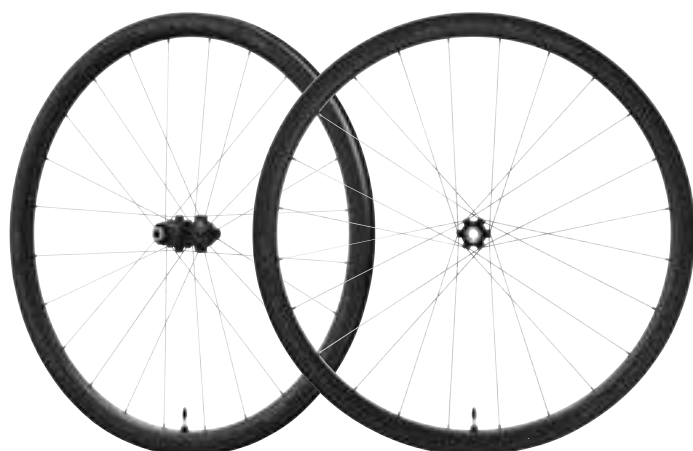
WH-R8170-C50

C50 Tubeless Disc Brake Wheel

- 50 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with new DURA-ACE wheels
» Improved aerodynamics



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R8170-C50-TL	Tubeless	12 mm E-THRU	CFRP	12/11-speed	142 mm	697 g	871 g



SHIMANO
ULTEGRA

CFRP TUBELESS (E-THRU)

NEW

WH-R8170-C36

C36 Tubeless Disc Brake Wheel

- 36 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with new DURA-ACE wheels
» Improved aerodynamics



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R8170-C36-TL	Tubeless	12 mm E-THRU	CFRP	12/11-speed	142 mm	656 g	831 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 for Disc Brake

ROAD TUBELESS FOR DISC BRAKE



WH-RS370-TL

Disc Brake Wheelset

- **Highly-effective on various surfaces**
 - » Tubeless rim optimized for wider tires
 - 19C rim for 28-40C tires
- **Lightweight and effective disc brake rotor mounting**
 - » Reliable disc brake system
 - CENTER LOCK
 - Compatible with 140 mm disc brake rotor
 - 12 mm E-THRU Axle
- **Compatible with both 11/10-speed cassette sprockets**



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS370-TL	Tubeless	12 mm E-THRU	Aluminum	11/10-speed	142 mm	890 g	1,090 g

ROAD CLINCHER FOR DISC BRAKE



WH-RS171-CL

11/10-speed Disc Brake Wheelset

- **Wider and lighter**
 - » 19C wide-profile rim provides better performance with wider tires
 - » More than 100 g lighter than previous model (WH-RS170)
- **SHIMANO quality and technology**
 - » Rigid 12 mm axle for both front and rear
 - E-THRU
 - Reliable disc brake system
 - CENTER LOCK mount
 - » 140 mm disc brake rotor compatible



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS171-CL-F12-700C WH-RS171-CL-R12-700C	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	897 g	1,098 g
WH-RS171-CL-F12-650B WH-RS171-CL-R12-650B	Clincher	12 mm E-THRU	Aluminum	11/10-speed	142 mm	867 g	1,067 g

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

Road Wheels

- MTB
- TREKKING
- URBAN
- ROAD
- GRAVEL
- WHEEL**
- PEDAL



DURA-ACE

CFRP TUBULAR

NEW

WH-R9200-C60-HR

C60 Tubular Rim Brake Wheel

- HR: High-Rigidity ver. +14% (front) /+20% (rear) increased lateral rigidity for powerful riders and sprinters
- 60 mm height full carbon rim
- External rim width: 28 mm
- DIRECT ENGAGEMENT
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9200-C60-HR-TU	Tubular	Quick Release	CFRP	12-speed	130 mm	-	-

- XTR
- DEORE XT
- SLX
- DI2
- DEORE
- SAINT
- ZEE
- DXR
- SHIMANO Series
- ALIVIO
- ACERA 9-speed
- ALTUS 9-speed
- ACERA ALTUS 8/7s
- TOURNEY TX
- TOURNEY
- TOURNEY TZ
- DEORE XT
- DEORE
- ALIVIO
- ACERA
- ALFINE
- NEXUS
- Hub Dynamo
- DURA-ACE
- ULTEGRA
- SHIMANO 105
- TIAGRA
- SORA
- CLARIS
- TOURNEY A070
- SHIMANO Series
- Others
- GRX



DURA-ACE

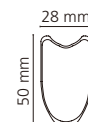
CFRP TUBULAR

NEW

WH-R9200-C50

C50 Tubular Rim Brake Wheel

- 50 mm height full carbon rim
- External rim width: 28 mm
- DIRECT ENGAGEMENT
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9200-C50-TU	Tubular	Quick Release	CFRP	12-speed	130 mm	-	-

Road Wheels



DURA-ACE

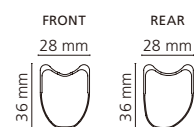
CFRP TUBULAR

NEW

WH-R9200-C36

C36 Tubular Rim Brake Wheel

- 36 mm height full carbon rim
- External rim width: 28 mm
- DIRECT ENGAGEMENT
- Compatible only with Shimano road 12-speed cassette sprockets



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-R9200-C36-TU	Tubular	Quick Release	CFRP	12-speed	130 mm	-	-

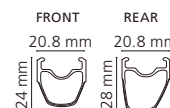


ROAD TUBELESS

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



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	616 g	924 g



ROAD TUBELESS

WH-RS500

Race technology for everyday riding

- **Efficient acceleration**
 - » High drive rigidity
- **Lightweight and durable**
 - » Road tubeless
 - » Blazed on reinforcement aluminum rim
- **Easy handling and maintenance**
 - » Digital adjustment system



FRONT/REAR
Rim height: 24 mm
Rim width: 20.8 mm

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS500-TL	Tubeless	Quick Release	Aluminum	11/10-speed	130 mm	705 g	944 g

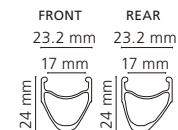


ROAD CLINCHER

WH-RS300-CL

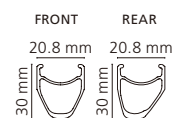
Trickle down technology for everyone

- **Balanced aerodynamic performance and rigidity**
 - » Less spokes increases aerodynamics
 - 16H/20H aero spokes
 - » Greater torsional rigidity delivers responsive acceleration
 - Straight spoke construction
- **Wider rim for comfort and reliability**
 - 17C wide-profile rim
- **Easy maintenance**
 - » High-quality sealing
 - Cup & cone bearings



MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS300-CL	Clincher	Quick Release	Aluminum	11-speed	130 mm	770 g	1,057 g

Road Wheels



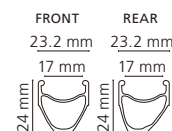
ROAD CLINCHER

WH-RS330

Comfort and performance for everyday riding

- Optimal balance between rigidity, durability and lightweight
- SHIMANO manufactured 30 mm profile rims and spokes
- Black

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



ROAD CLINCHER

WH-RS100-CL

ACCELERATION CONCEPT Tubeless Wheelset

- Wider rim for comfort and reliability
 - » Greater comfort and reliability
 - 17C wide-profile rim
 - Improved drive rigidity
- Easy maintenance
 - » High-quality sealing
 - Cup & cone bearings

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS100-CL	Clincher	Quick Release	Aluminum	11/10-speed	130 mm	805 g	1,092 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



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

Gravel/Adventure Wheels

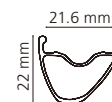


TUBELESS

WH-RX570-TL

Gravel Specific Wheelset

- **Gravel-tuned wheelset**
 - » Wide tubeless rim limits flex tire under hard cornering
 - 21.6 mm inner width rim (700C and 650B)
 - » 650c option available for wider tires
- **Optimally balanced for multi-surface riding**
 - » High rigidity and durability without additional weight
 - Straight spoke and OFFSET RIM
 - » MTB-inspired asymmetrical mud-shedding rim shape



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-RX570-TL-F12-700C	Tubeless	Front	E-THRU	Aluminum	-	100 mm	769 g
WH-RX570-TL-R12-700C	Tubeless	Rear	E-THRU	Aluminum	Road 11/10-speed	142 mm	951 g
WH-RX570-TL-F12-650B	Tubeless	Front	E-THRU	Aluminum	-	100 mm	737 g
WH-RX570-TL-R12-650B	Tubeless	Rear	E-THRU	Aluminum	Road 11/10-speed	142 mm	920 g

MTB Wheels



TUBELESS

| 29" | 27.5"

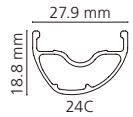
WH-M8100-TL

Tubeless Wheel

- **Reliable high-speed cornering**
 - » Front 15 mm E-THRU axle
 - +15% torsional stiffness
 - +25% transverse shear stiffness (vs 9 mm quick release)
- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Rear 12 mm E-THRU axle
- **28 straight pull spokes (2.0-1.5-2.0 double butted)**
- **External rim width: 27.9 mm**



* MICRO SPLINE patents are pending



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M8100-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	846 g
WH-M8100-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	148 mm	994 g
WH-M8100-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	808 g
WH-M8100-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	956 g



TUBELESS

| 29" | 27.5"



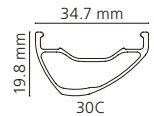
WH-M8120-TL

Tubeless Wheel

- **Reliable high-speed cornering**
 - » Front 15 mm E-THRU axle
 - +15% torsional stiffness
 - +25% transverse shear stiffness (vs 9 mm quick release)
- **Faster acceleration amplifies riding excitement**
- **Smaller spline diameter for 10T top gear by MICRO SPLINE**
- **Simple setup and reliable trail performance**
 - » Rear 12 mm E-THRU axle
- **Zero dish**
- **28 J-bend spokes (2.0-1.8-2.0 double butted)**
- **External rim width: 34.7 mm**



* MICRO SPLINE patents are pending



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M8120-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	916 g
WH-M8120-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	148 mm	1,061 g
WH-M8120-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	875 g
WH-M8120-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,016 g

High rigidity performance by E-THRU stiff axle system

12mm rear E-THRU axle I-type

(O.L.D. 142 mm) (O.L.D. 148 mm) (O.L.D. 157 mm)

AX-MT700 75g AX-MT700 76g AX-MT700 79g
SM-AX58 81g SM-AX58-B 82g

12mm rear E-THRU axle

(O.L.D. 142 mm) (O.L.D. 148 mm)

SM-AX56 75g SM-AX56-B 77g



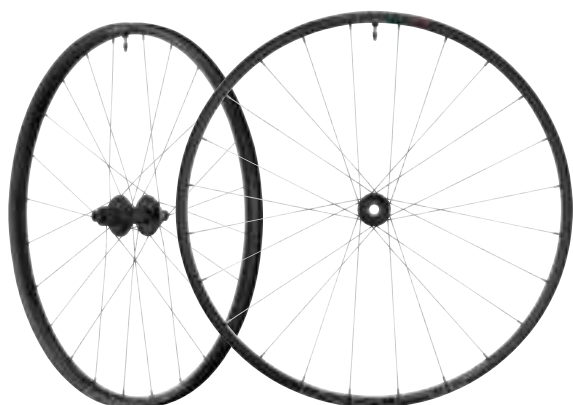
AX-MT700

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

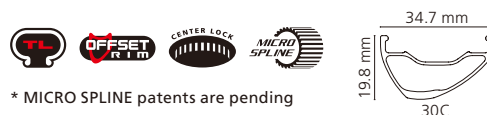


TUBELESS | 29" | 27.5"

WH-MT620-TL

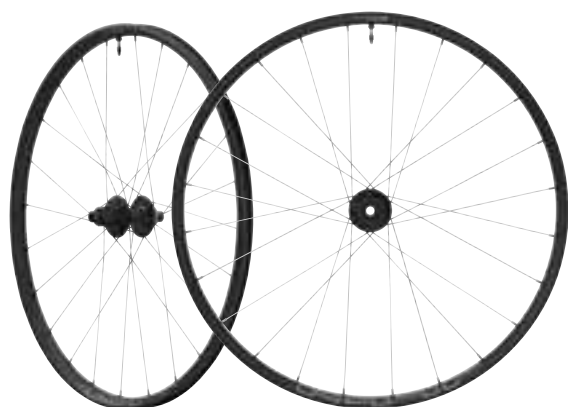
Tubeless Wheel

- Tubeless construction for more aggressive riding
- 10T top wide range cassette compatible
- 30C rim width for more tire rigidity
- 24 J-bend spokes



* MICRO SPLINE patents are pending

MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT620-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	990 g
WH-MT620-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	148 mm	1,233 g
WH-MT620-TL-F15-B-27.5	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	940 g
WH-MT620-TL-R12-B-27.5	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,184 g

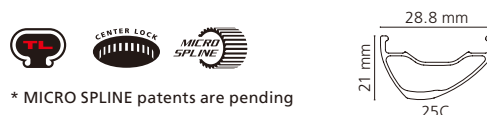


TUBELESS | 29" | 27.5"

WH-MT601-TL-29/-27.5

Tubeless Wheel

- SHIMANO quality tubeless wheel
- Smaller spline diameter for 10T top gear
- Rim diameter: 29", 27.5"
- Rim width: 28.8 mm (25C)
- Rim material: Aluminum
- O.L.D. front: 100 mm/110 mm rear: 142 mm/148 mm
- 24 J-bend double butted spokes



* MICRO SPLINE patents are pending

MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT601-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	931 g
WH-MT601-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	940 g
WH-MT601-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	142 mm	1,244 g
WH-MT601-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	148 mm	1,254 g
WH-MT601-TL-F15-27.5	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	883 g
WH-MT601-TL-F15-B-27.5	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	893 g
WH-MT601-TL-R12-27.5	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	142 mm	1,195 g
WH-MT601-TL-R12-B-27.5	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,204 g

MTB Wheels



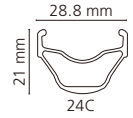
TUBELESS

29" | 27.5"

WH-MT600-TL

Wider and lighter tubeless wheelset

- SHIMANO quality Tubeless MTB
- Tubeless and wide
 - » Tubeless construction for more aggressive riding
 - » 24C wide-profile rim for more tire rigidity



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT600-TL-F15-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	914 g
WH-MT600-TL-F15-B-29	Tubeless	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	921 g
WH-MT600-TL-R12-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,106 g
WH-MT600-TL-R12-B-29	Tubeless	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,121 g
WH-MT600-TL-F15-27.5	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	875 g
WH-MT600-TL-F15-B-27.5	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	882 g
WH-MT600-TL-R12-27.5	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,067 g
WH-MT600-TL-R12-B-27.5	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,082 g

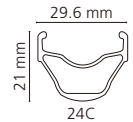
CLINCHER

29" | 27.5"

WH-MT500-CL

Wider and Lighter MTB Wheelset

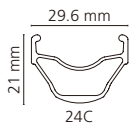
- SHIMANO Performance MTB wheel for everyone
 - » Pricepoint : -20% vs WH-MT15 (depends on spec.)
- Wider and lighter
 - » 24C wide-profile rim for more tire rigidity and traction optimized for trail riding
 - » More than 100 g lighter (per bike vs. WH-MT15)



WH-MT501-CL-R12-B

Clincher Wheel

- Additional MICRO SPLINE 12-speed wheel spec.
- CENTER LOCK disc brake
- 24H J-bent spoke (2.3 butted)



* MICRO SPLINE patents are pending

MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-MT500-CL-F-29	Clincher	Front	Quick Release	29"	Aluminum	-	100 mm	1,013 g
WH-MT500-CL-F15-29	Clincher	Front	15 mm E-THRU	29"	Aluminum	-	100 mm	988 g
WH-MT500-CL-F15-B-29	Clincher	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	998 g
WH-MT500-CL-R-29	Clincher	Rear	Quick Release	29"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,200 g
WH-MT500-CL-R12-29	Clincher	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,186 g
WH-MT500-CL-R12-B-29	Clincher	Rear	12 mm E-THRU	29"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,199 g
WH-MT500-CL-F-27.5	Clincher	Front	Quick Release	27.5"	Aluminum	-	100 mm	962 g
WH-MT500-CL-F15-27.5	Clincher	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	936 g
WH-MT500-CL-F15-B-27.5	Clincher	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	946 g
WH-MT500-CL-R-27.5	Clincher	Rear	Quick Release	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,147 g
WH-MT500-CL-R12-27.5	Clincher	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	142 mm	1,133 g
WH-MT500-CL-R12-B-27.5	Clincher	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	148 mm	1,145 g
WH-MT501-CL-R12-B-29	Clincher	Rear	12 mm E-THRU	29"	Aluminum	MTB 12-speed	148 mm	1,238 g
WH-MT501-CL-R12-B-27.5	Clincher	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,185 g

SHIMANO PEDALS

POWER TO THE PEDAL

For decades SPD and SPD-SL have set standards for cycling shoes and pedals that others are still struggling to reach. Legendary systems engineered technologies and manufacturing distinguish SHIMANO from the competition. Footwear experts work directly with pedal engineers to create an optimal shoe-and-pedal interface that incorporates the latest advances in cycling bio-mechanics, materials design, and efficient, durable SPD and SPD-SL systems. Designed together. Tested together. Performing together. SPD and SPD-SL shoe/pedal combinations form a single, integrated power platform based on a design philosophy of finding the optimal fit to match each rider's unique performance and comfort needs.

To the pro rider: optimal power transfer. To the enthusiast: faster, longer rides with more comfort. To the casual rider... well let's just say that when things work this well together, it's a lot more fun.



SHIMANO Pedals

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

WEIGHT

- 228 g



SHIMANO ULTEGRA

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

WEIGHT

- 248 g



SHIMANO 105

PD-R7000

VERSATILE AND LIGHTWEIGHT SPD-SL PEDALING PERFORMANCE FOR SERIOUS RIDERS

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 rigidity and uniform load distribution
- Adjustable entry and release tension settings
- Trusted SHIMANO design, quality, and performance

WEIGHT

- 265 g



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

WEIGHT

- 310 g



Black
PD-R550



Gray
PD-R550

PD-RS500

TUNED FOR EVERYDAY RIDERS

FEATURES

- Easy step in, easy step out
- Lighter spring tension optimized for beginner riders
- Larger entry target for easier engagement
- Cascaded features from top-tier systems
- Extra-wide platform transfers pedaling power efficiently
- Durable stainless steel body plate reduces flex and pedal body wear

WEIGHT

- 320 g



MTB
TREKKING
URBAN
ROAD
GRAVEL
WHEEL
PEDAL

XTR

DEORE XT

SLX

DI2

DEORE

SAINT

ZEE

DXR

SHIMANO Series

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

DEORE XT

DEORE

ALIVIO

ACERA

ALFINE

NEXUS

Hub Dynamo

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

TOURNEY A070

SHIMANO Series

Others

GRX

SHIMANO Pedals

XTR

PD-M9100

WIDER CONTACT AREA, BETTER MUD CLEARANCE, AND IMPROVED DURABILITY FOR ULTIMATE POWER TRANSFER

FEATURES

- Enhanced pedal-to-shoe contact area with mud-shedding profile
- Wide bearing placement for rigidity and uniform load distribution
- Slimmer, weight-optimized axle with 2 length options
- Low platform height for pedaling stability
- Lightweight, 310 g (11 oz.) per pair
- Slimmer axle housing better sheds mud and debris

WEIGHT

- 314 g/310 g



XTR

PD-M9120

WIDER AND LONGER CONTACT AREA, BETTER MUD CLEARANCE, AND IMPROVED DURABILITY FOR MORE CONTROL AND RELIABILITY

FEATURES

- Extra long and wide pedal-to-shoe contact area
- Wide-bearing placement for rigidity and uniform load distribution
- Wider platform increases stability and control when not clipped in
- Pedal design protects binding mechanism
- Slimmer axle housing better sheds mud and debris

WEIGHT

- 398 g



SHIMANO
DEORE XT

PD-M8100

XC RACE PEDALS OPTIMIZED FOR MAXIMUM POWER EFFICIENCY

FEATURES

- Large pedal platform
- 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

WEIGHT

- 342 g





PD-M8120

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-moly spindle with 8 mm hex wrench mount

WEIGHT

- 438 g



PD-ME700

SPD TRAIL PEDAL WITH BETTER BIKE CONTROL FOR DYNAMIC TRAIL RIDING

FEATURES

- Wide, dual-sided platform improves pedal-to-shoe stability and power transfer
- Integrated cage increases control when not clipped in and protects binding mechanism from impacts
- Robust retention claws provide smooth engagement and release
- Rider adjustable entry and release tension for individual customization
- Chrome-moly spindle and low-maintenance sealed bearing cartridge axle

WEIGHT

- 540 g



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

WEIGHT

- 352 g



Silver
PD-M540



Black
PD-M540

SHIMANO Pedals

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

WEIGHT

- 380 g



Silver
PD-M520



White
PD-M520

Black
PD-M520



NEW

PD-M821

AGGRESSIVE DH RIDING SPD PEDALS

FEATURES

- Improved axle durability (vs. PD-M820)
- Wide contact area enhances stability when paired with SHIMANO AM series shoes
- Thin pedal body lowers stack height and improves obstacle clearance
- Four height adjustable pins per side for improved grip when not clipped-in
- Non-pop-up alloy pedal body for simplicity and durability
- Slim and durable chrome-moly spindle with 8 mm hex wrench mount

WEIGHT

- 546 g



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

WEIGHT

- 568 g





PD-MX70

BMX-SPECIFIC PEDAL FOR AGGRESSIVE PEDALING AND RACING

FEATURES

- Increased retention strength for the forceful pedaling of BMX racing
- Wide pedal-to-shoe contact area for more support and grip
- Lower platform and cage height for pedaling stability
- Integrated cage improves control when not clipped in and protects binding mechanism
- Adjustable entry and release tension settings

WEIGHT

- 414 g



NEW

PD-M8141

FLAT PEDAL FOR AGGRESSIVE TRAIL RIDING

FEATURES

- Secure and stable grip for better bike control
- Dual concave platform
- Fore-Aft: 17.5 - 13.3 - 17.5 mm
- Sideway: 17.2 - 13.3 - 17.2 mm
- 10 pins, +4 optional inner positions
- 6 mm and 3 mm pins included

WEIGHT

- 428 g



NEW

PD-M829

FLAT PEDAL FOR DOWNHILL AND AGGRESSIVE TRAIL RIDING

FEATURES

- Secure and stable grip for better bike control
- Dual concave platform
- Fore-Aft: 16.1 - 11.6 - 16.1 mm
- Sideway: 13.9 - 11.6 - 13.9 mm
- 10 pins, +4 optional inner positions
- 6 mm and 3 mm pins included

WEIGHT

- 397 g



SHIMANO Pedals

PD-GR500

DURABLE FLAT PEDAL OFFERS VERSATILITY ACROSS TERRAIN AND RIDING STYLES



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

WEIGHT

- 535 g



Black
PD-GR500



Silver
PD-GR500

NEW

PD-GR400

FLAT PEDAL FOR CASUAL TRAIL RIDING



FEATURES

- Secure and stable grip for better bike control
- Center thickness: 16 mm
- 9 removable pins per side
- Trail riding platform shape feels secure underfoot
- Platform size: 101 x 96 mm
- Resin composite pedal body with bushing construction axle

WEIGHT

- 394 g



Black
PD-GR400



Blue
PD-GR400



Red
PD-GR400

PD-EF202

RELIABLE FLAT PEDAL FOR SPORTY LEISURE RIDING WITH CASUAL SHOES



FEATURES

- Axle durability equal to high-grade models
- Wide Aluminum body for stable pedal-to-shoe interface
- Available in five colors

WEIGHT

- 512 g



Black
PD-EF202



Silver
PD-EF202



Red
PD-EF202



Gold
PD-EF202



Blue
PD-EF202

PD-EF205

RELIABLE FLAT PEDAL FOR SPORTY LEISURE RIDING WITH FORMAL SHOES



FEATURES

- Axle durability equal to high-grade models
- Wide Aluminum body for stable pedal-to-shoe interface
- Available in five colors

WEIGHT

- 612 g



Black
PD-EF205



Silver
PD-EF205



Red
PD-EF205



Gold
PD-EF205



Blue
PD-EF205

NEW

PD-EF102

AFFORDABLE FLAT PEDAL FOR EVERYDAY RIDING



FEATURES

- Reliable pedaling comfort in various environments
- Wide pedal body with a high-grip pattern
- High-quality construction for long-lasting enjoyment
- Axle durability similar to high-end models
- Wide resin body for stable pedal-to-shoe contact
- Integrated pedal reflector
- SHIMANO's most affordable pedal

WEIGHT

- 400 g



SHIMANO Pedals

PD-ES600

PREMIUM SINGLE-SIDED ENTRY SPD ROAD-TOURING PEDAL

FEATURES

- Our lightest SPD pedal for road bikes
- Wide platform for the efficient transfer of power from SPD shoes
- Low profile single-sided entry SPD design
- Compatible with recessed cleat SPD shoes for walking ease
- Adjustable entry and release tension settings

WEIGHT

- 279 g



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

WEIGHT

- 392 g



PD-ED500

LIGHT ACTION, EASY IN AND OUT SPD ROAD TOURING PEDAL

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

WEIGHT

- 442 g



PD-EH500

VERSATILE DESIGN OFFERS SPD EFFICIENCY OR FLAT PLATFORM CONVENIENCE

FEATURES

- Efficient Light Action SPD step-in design on one side, with a flat platform on the other
- Improved flat-side grip delivers better control
- Low-maintenance sealed cartridge axle unit
- Adjustable entry and release tension settings

WEIGHT

- 383 g



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

WEIGHT

- 533 g



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

WEIGHT

- 423 g



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-R5500, PD-R540, PD-R540-LA

S-PART NO.

· Y40R98080

SM-PD59

COMPATIBLE WITH

PD-A520

S-PART NO.

· Y40R98090

SM-PD60

COMPATIBLE WITH

PD-M9000, PD-M9120, PD-M9020, PD-M980, PD-M985, PD-M8100, PD-M8000, PD-M8120, PD-M8020, PD-MX80, PD-M647, PD-M785, PD-M780, PD-ME700, PD-M530, PD-EH500

S-PART NO.

· Y40Z98010

SM-PD61

COMPATIBLE WITH

PD-A530

S-PART NO.

· Y45Z98010

SM-PD62

COMPATIBLE WITH

PD-ES600, PD-A600

S-PART NO.

· Y46D98050

SM-PD63

COMPATIBLE WITH

PD-R9100, PD-9000, PD-7900, PD-R8000, PD-6800, PD-6700C, PD-R7000

S-PART NO.

· Y46J98010



SM-PD64

COMPATIBLE WITH

PD-MX80, PD-GR500

S-PART NO.

· Y46R98060

SM-PD64A

COMPATIBLE WITH

PD-M828

S-PART NO.

· YL8A98090

SM-PD67

COMPATIBLE WITH

PD-M8140, PD-IM8040

S-PART NO.

· YL8698070

SM-PD68

COMPATIBLE WITH

PD-EH500

S-PART NO.

· YL8H98010

SM-PD69

COMPATIBLE WITH

PD-EF202, PD-EF205

S-PART NO.

· YL8S98050

SM-PD40

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, PD-M505

S-PART NO.

· Y41R98070

ORIGINAL TOOLS



TL-PD63

PEDAL CONE ADJUSTING TOOL (7 MM X 8 MM & 10 MM X 11 MM)

COMPATIBLE WITH

For adjustment of bearing on pedal axle Pedal with 7 mm lock nut and 10 mm cone/8 mm lock nut/11 mm cone

S-PART NO.

· Y46098630

TL-PD400 **NEW**

PEDAL CONE ADJUSTING TOOL (7 MM X 10 MM & 10 MM X 13 MM)

COMPATIBLE WITH

For adjustment of bearing on pedal axle Pedal with 7 mm lock nut and 10 mm cone/10 mm lock nut /13 mm cone. Compatible with both new and old pedals

S-PART NO.

· Y40098010



TL-HS40

PEDAL AXLE TOOL 20 MM

COMPATIBLE WITH

For assembly and disassembly of PD-R9100, PD-9000, PD-7900, PD-7700, PD-7750, PD-7800

S-PART NO.

· Y13098320

TL-HS37

HUB SPANNER 17 MM

COMPATIBLE WITH

For assembly and disassembly of PD-R9100, PD-9000, PD-7900, PD-7700, PD-7750, PD-7800

S-PART NO.

· Y23098030

TL-PD40

PEDAL AXLE TOOL

COMPATIBLE WITH

For installation and removal of pedal axle with 10 teeth lock bolt

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



TIME TRIAL



TRIATHLON



COMPETITION



CYCLO CROSS



FLAT HANDLE BAR/ROAD BIKE



XC RACE



CROSS COUNTRY



ENDURO



TRAIL



CITY BIKE



FREE RIDE



DOWN HILL



BMX



TREKKING



CASUAL MTB



ALL MOUNTAIN

MTB

Shift Lever	180-186
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SPECIFICATIONS



Shift Lever

Series		XTR	XTR	XTR	XTR	XTR	XTR	
Model no.		SL-M9100-R	SL-M9100-IR	SL-M9100-L	SL-M9100-IL	SL-M9000-R	SL-M9000-L	SL-M980-B-IR
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	-	2	2	-	2/3	-
Rear speeds		12	12	-	-	11	-	10
Compatible rear derailleur type		12-speed	12-speed	-	-	MTB 11-speed	-	MTB 10-speed
Compatible with I-SPEC EV brake lever		X	X	X	X	X	X	-
Mount type	Clamp band	X	-	X	-	X	X	-
	I-SPEC B	-	-	-	-	-	-	X
	I-SPEC II	-	-	-	-	-	-	-
	I-SPEC EV	-	X	-	X	-	-	-
Shift lever position adjust		-	X (14 mm slide adjust range)	-	X (14 mm slide adjust range)	-	-	X
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	X
Shift lever cable adjust		X	X	X	X	X	X	X (CFRP)
Initial lever position adjust		-	-	X	X	-	-	-
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		4	4	-	-	4	-	4
Release function	MULTI RELEASE	X	X	-	-	X*	-	X
	INSTANT RELEASE	X	X	X	X	X	X	X
	2-WAY RELEASE	X	X	X	X	X	X	X
	Adjustable mono lever	-	-	X	X	-	-	-
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-
	With (removable)	-	-	-	-	-	-	-
	Without	X	X	X	X	X	X	X
Multi-bearing construction		4	4	4	4	4	4	4
Shift lever cable	Inner cable	Polymer-coated cable	X	X	X	X	X	X
		OPTISLICK	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	X	X	X	X	X	X
		Steel	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		117 (/pc)	112 (/pc)	79 (/pc)	74 (/pc)	200 (/pair)	200 (/pair)	103 (/pc)
Note		w/Rubber grooved grip (main/release lever)	w/Rubber grooved grip (main/release lever)	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	* Pull: single, push: double		

Series		XTR	SAINT	SAINT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		SL-M980-B-IL	SL-M820	SL-M820-B-I	SL-M8100-R	SL-M8100-IR	SL-M8100-L	SL-M8100-IL
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO
Front speeds		2/3	-	-	-	-	2	2
Rear speeds		-	10	10	12	12	-	-
Compatible rear derailleur type		-	MTB 10-speed	MTB 10-speed	12-speed	12-speed	-	-
Compatible with I-SPEC EV brake lever		-	X	-	X	X	X	X
Mount type	Clamp band	-	X	-	X	-	X	-
	I-SPEC B	X	-	X**	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-
	I-SPEC EV	-	-	-	-	X	-	X
Shift lever position adjust		X	-	X	-	X (14 mm slide adjust range)	-	X (14 mm slide adjust range)
Shift lever rotation adjust (non I-SPEC EV)		X	-	X	-	-	-	-
Shift lever cable adjust		X (CFRP)	X (CFRP)	X (CFRP)	X	X	X	X
Initial lever position adjust		-	-	-	-	-	X	X
Front 2/3 mode converter		X	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		-	4	4	4	4	-	-
Release function	MULTI RELEASE	-	X*	X*	X	X	-	-
	INSTANT RELEASE	X	X	X	X	X	X	X
	2-WAY RELEASE	X	X	X	X	X	X	X
	Adjustable mono lever	-	-	-	-	-	X	X
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-
	With (removable)	-	-	-	-	-	-	-
	Without	X	X	X	X	X	X	X
Multi-bearing construction		4	4	4	2	2	2	2
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	-	X	X	X
		SIL-TEC	X	-	-	-	-	-
		Stainless	X	X	X	X	X	X
		Steel	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		98 (/pc)	123 (/pc)	114 (/pc)	117 (/pc)	120 (/pc)	78 (/pc)	78 (/pc)
Note			* Pull: single, push: double	* Pull: single, push: double ** I-spec B-type	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)

Shift Lever

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	
Model no.		SL-M8130-R11	SL-M8130-IR11	SL-M8000-R	SL-M8000-L	SL-M8000-IR	SL-M8000-IL	SL-M8000-B-IR	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		-	-	-	2/3	-	2/3	-	
Rear speeds		11	11	11	-	11	-	11	
Compatible rear derailleur type		LINKGLIDE 11-speed	LINKGLIDE 11-speed	MTB 11-speed	-	MTB 11-speed	-	MTB 11-speed	
Compatible with I-SPEC EV brake lever		X	X	X	X	-	-	-	
Mount type	Clamp band	X	-	X	X	-	-	-	
	I-SPEC B	-	-	-	-	-	-	X	
	I-SPEC II	-	-	-	-	X	X	-	
	I-SPEC EV	-	X	-	-	-	-	-	
Shift lever position adjust		-	X	-	-	X	X	X	
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	X	X	X	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		2	2	4	-	4	-	4	
Release function	MULTI RELEASE	-	-	X*	-	X*	-	X*	
	INSTANT RELEASE	X	X	X	X	X	X	X	
	2-WAY RELEASE	X	X	X	X	X	X	X	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-	
	With (removable)	-	-	X	X	-	-	-	
	Without	X	X	X	X	X	X	X	
Multi-bearing construction		2	2	2	2	2	2	2	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	X	X	X	X	X	X	
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	X	X	X	X	X	X	X
		Steel	-	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		117 (/pc)	120 (/pc)	127 (/pc)	117 (/pc)	120 (/pc)	110 (/pc)	117 (/pc)	
Note		-	-	* Pull: single, push: double	-	* Pull: single, push: double	-	* Pull: single, push: double	

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	
Model no.		SL-M780-B-IR	SL-M780-B-IL	SL-M780-R	SL-M780-L	SL-M770-A-R	SL-M770-A-L	SL-M7100-R	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		-	2/3	-	2/3	-	3	-	
Rear speeds		10	-	10	-	9	-	12	
Compatible rear derailleur type		MTB 10-speed	-	MTB 10-speed	-	MTB 9-speed	-	12-speed	
Compatible with I-SPEC EV brake lever		-	-	X	X	X	X	X	
Mount type	Clamp band	-	-	X	X	X	X	X	
	I-SPEC B	X	X	-	-	-	-	-	
	I-SPEC II	-	-	-	-	-	-	-	
	I-SPEC EV	-	-	-	-	-	-	-	
Shift lever position adjust		X	X	-	-	-	-	-	
Shift lever rotation adjust (non I-SPEC EV)		X	X	-	-	-	-	-	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	X	-	X	-	-	-	
Max. multiple shifts (main lever/rear)		4	-	4	-	4	-	3	
Release function	MULTI RELEASE	X	-	X	-	-	-	-	
	INSTANT RELEASE	X	X	X	X	X	X	X	
	2-WAY RELEASE	X	X	X	X	X	X	X	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-	
	With (removable)	-	-	X	X	X	X	-	
	Without	X	X	X	X	X	X	X	
Multi-bearing construction		2	2	2	2	2	2	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	-	-	-	-	X
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	X	X	X	X	X	X	X
		Steel	-	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		114 (/pc)	106 (/pc)	128 (/pc)	121 (/pc)	255 (/pair)	255 (/pair)	117 (/pc)	
Note		-	-	-	-	-	-	-	

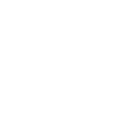
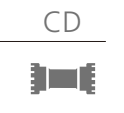
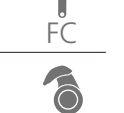
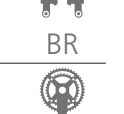
MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Shift Lever

Series		SLX	SLX	SLX	SLX	SLX	SLX	
Model no.		SL-M7100-IR	SL-M7100-L	SL-M7100-IL	SL-M7000-11-R	SL-M7000-L	SL-M7000-11-IR	SL-M7000-IL
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2	2	-	2/3	-	2/3
Rear speeds		12	-	-	11	-	11	-
Compatible rear derailleur type		12-speed	-	-	MTB 11-speed	-	MTB 11-speed	-
Compatible with I-SPEC EV brake lever		X	X	X	X	X	-	-
Mount type	Clamp band	-	X	-	X	X	-	-
	I-SPEC B	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	X	X
	I-SPEC EV	X	-	X	-	-	-	-
Shift lever position adjust		X (14 mm slide adjust range)	-	X (14 mm slide adjust range)	-	-	X	X
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	X	X
Shift lever cable adjust		X	X	X	X	X	X	X
Initial lever position adjust		-	X	X	-	-	-	-
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		3	-	-	3	-	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-
	INSTANT RELEASE	-	X	X	-	-	-	-
	2-WAY RELEASE	X	X	X	X	X	X	X
	Adjustable mono lever	-	X	X	-	-	-	-
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-	-
	With (removable)	-	-	-	X	X	-	-
	Without	X	X	X	X	X	X	X
Multi-bearing construction		-	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	X	X	X	X	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	X	X	X	X	X	X
		Steel	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		117 (/pc)	77 (/pc)	77 (/pc)	135 (/pc)	130 (/pc)	120 (/pc)	115 (/pc)
Note								

Series		SLX	SLX	SLX	SLX	SLX	SLX
Model no.		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-IL
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2/3	-	-	-	2/3
Rear speeds		11	-	10	10	10	-
Compatible rear derailleur type		MTB 11-speed	-	MTB 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed
Compatible with I-SPEC EV brake lever		-	-	X	-	-	-
Mount type	Clamp band	-	-	X	-	-	-
	I-SPEC B	X	X	-	-	X	X
	I-SPEC II	-	-	-	X	-	-
	I-SPEC EV	-	-	-	-	-	-
Shift lever position adjust		X	X	-	X	X	X
Shift lever rotation adjust (non I-SPEC EV)		X	X	-	X	X	X
Shift lever cable adjust		X	X	X	X	X	X
Initial lever position adjust		-	-	-	-	-	-
Front 2/3 mode converter		-	-	-	-	-	X
Max. multiple shifts (main lever/rear)		3	-	3	3	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-
	2-WAY RELEASE	X	X	X	X	X	X
	Adjustable mono lever	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-
	With (removable)	-	-	X	-	-	-
	Without	X	X	X	X	X	X
Multi-bearing construction		-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	X
		Steel	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		127 (/pc)	120 (/pc)	135 (/pc)	120 (/pc)	127 (/pc)	121 (/pc)
Note							



Shift Lever

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	
Model no.		SL-M6100-R	SL-M6100-IR	SL-M6000-R	SL-M6000-L	SL-M6000-IR	SL-M6000-IL	SL-M5100-R	
Color	1	Series color	Series color	Series black	Series black	Series black	Series black	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		-	-	-	2/3	-	2/3	-	
Rear speeds		12	12	10	-	10	-	11	
Compatible rear derailleur type		MTB 12-speed	MTB 12-speed	MTB 10-speed	-	MTB 10-speed	-	MTB 11-speed	
Compatible with I-SPEC EV brake lever		X	X	X (w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)	X	-	-	X	
Mount type	Clamp band	X	-	X	X	-	-	X	
	I-SPEC B	-	-	-	-	-	-	-	
	I-SPEC II	-	-	-	-	X	X	-	
	I-SPEC EV	-	X	-	-	-	-	-	
Shift lever position adjust		-	X (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)	-	-	-	-	-	
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	X	X	-	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		3	3	3	-	3	-	3	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	X	X	X	X	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	X	X	X	X	-	-	X	
	With (removable)	-	-	-	-	-	-	-	
	Without	X	X	X	X	X	X	X	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	X	X	X	X	X	X	
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	X	X	X	X	X	X	X
		Steel	-	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		-	-	-	-	-	-	-	
Note									

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	
Model no.		SL-M5100-IR	SL-M5100-L	SL-M5100-IL	SL-M5130-R10	SL-M4100-R	SL-M4100-IR	SL-M610-IR	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		-	2	2	-	-	-	-	
Rear speeds		11	-	-	10	10	10	10	
Compatible rear derailleur type		MTB 11-speed	-	-	LINKGLIDE 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed	
Compatible with I-SPEC EV brake lever		X	X	X	X (w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)	X	X (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)	-	
Mount type	Clamp band	-	X	-	X	X	-	-	
	I-SPEC B	-	-	-	-	-	-	X	
	I-SPEC II	-	-	-	-	-	-	-	
	I-SPEC EV	X	-	X	-	-	X	-	
Shift lever position adjust		X (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)	-	X (14 mm slide adjust range)	-	-	X (w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY) *	-	
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	X	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		3	-	-	2	3	3	3	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	X	X	X	X	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	X	-	-	X	X	X	-	
	With (removable)	-	-	-	-	-	-	-	
	Without	X	X	X	X	X	X	X	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	X	X	X	X	X	X	
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	X	-	X	X	-	X	X
		Steel	-	X	X	-	X	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		-	-	-	-	-	-	-	
Note									

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Shift Lever

Series		DEORE	DEORE	DEORE	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	ACERA	
Model no.		SL-M610-IL	SL-M590-R	SL-M590-L	SL-M3100-R	SL-M3100-L	SL-M3100-2L	SL-M3000-R	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	
Front speeds		2/3	-	3	-	3	2	-	
Rear speeds		-	9	-	9	-	-	9	
Compatible rear derailleur type		-	MTB 9-speed	-	MTB 9-speed	-	-	MTB 9-speed	
Compatible with I-SPEC EV brake lever		-	X	X	-	-	X	X	
Mount type	Clamp band	-	X	X	X	X	X	X	
	I-SPEC B	X	-	-	-	-	-	-	
	I-SPEC II	-	-	-	-	-	-	-	
	I-SPEC EV	-	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	-	
Shift lever rotation adjust (non I-SPEC EV)		X	-	-	-	-	-	-	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		X	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		-	3	-	3	-	-	3	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	-	-	X	-	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	-	X	X	X	X	-	X	
	With (removable)	-	-	-	-	-	-	-	
	Without	X	-	-	-	-	X	-	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	-	X	X	X	
		SIL-TEC	-	-	-	-	-	-	
		Stainless	X	X	X	-	-	-	X *
		Steel	-	-	-	X	X	X	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		-	-	-	-	-	-	-	
Note								* Option	

Series		ACERA	ACERA	ALTUS	ALTUS	ALTUS	SHIMANO	SHIMANO	
Model no.		SL-M3010-L	SL-M360-R	SL-M2010-9R	SL-M2010-L	SL-M2010-2L	SL-M315-8R	SL-M315-7R	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		2	-	-	3	2	-	-	
Rear speeds		-	8	9	-	-	8	7	
Compatible rear derailleur type		-	MTB 8-speed	MTB 9-speed	-	-	MTB 8-speed	MTB 7-speed	
Compatible with I-SPEC EV brake lever		X	X	X	X	X	X	X	
Mount type	Clamp band	X	X	X	X	X	X	X	
	I-SPEC B	-	-	-	-	-	-	-	
	I-SPEC II	-	-	-	-	-	-	-	
	I-SPEC EV	-	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	-	
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	-	
Shift lever cable adjust		X	X	X	X	X	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		-	3	3	-	-	3	3	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	-	-	-	-	-	-	-	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X	
	With (removable)	-	-	-	-	-	-	-	
	Without	-	-	-	-	-	-	-	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	X	X	X	-	
		SIL-TEC	-	-	-	-	-	-	
		Stainless	-	-	-	-	-	X	X
		Steel	X	X	X	X	X	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Average weight (g)		-	-	-	-	-	-	-	
Note									

Shift Lever

Series		SHIMANO	SHIMANO	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	
Model no.		SL-M315-L	SL-M315-2L	SL-FT55-7R	SL-TX50-7R	SL-TX50-6R	SL-TX50-L	SL-TX50-LN	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	Thumb shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	
Front speeds		3	2	-	-	-	3	3 (Friction)	
Rear speeds		-	-	7	7	6	-	-	
Compatible rear derailleur type		-	-	MTB 7-speed	MTB 7-speed	MTB 6-speed	-	-	
Compatible with I-SPEC EV brake lever		X	X	-	-	-	-	-	
Mount type	Clamp band	X	X	X	X	X	X	X	
	I-SPEC B	-	-	-	-	-	-	-	
	I-SPEC II	-	-	-	-	-	-	-	
	I-SPEC EV	-	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	-	
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	-	
Shift lever cable adjust		X	X	-	-	-	X	X	
Initial lever position adjust		-	-	-	-	-	-	-	
Front 2/3 mode converter		-	-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		-	-	6	6	5	-	-	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	-	-	-	-	-	-	-	
	Adjustable mono lever	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X	
	With (removable)	-	-	-	-	-	-	-	
	Without	-	-	-	-	-	-	-	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	-	-	-	-	
		SIL-TEC	-	-	-	-	-	-	
		Stainless	X	X	-	-	-	-	-
		Steel	-	-	X	X	X	X	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	
Average weight (g)		-	-	-	-	-	-	-	
Note									

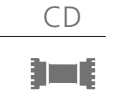
Series		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.		SL-TX30-7R	SL-TX30-6R	SL-TX30-LN	SL-R545-8R	SL-R545-7R	SL-R545-6R	SL-R545-L
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front speeds		-	-	3 (Friction)	-	-	-	3
Rear speeds		7	6	-	8	7	6	-
Compatible rear derailleur type		MTB 7-speed	MTB 6-speed	-	MTB 8-speed	MTB 7-speed	MTB 6-speed	-
Compatible with I-SPEC EV brake lever		-	-	-	-	-	-	-
Mount type	Clamp band	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-
	I-SPEC EV	-	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	-
Shift lever cable adjust		-	-	X	X	X	X	X
Initial lever position adjust		-	-	-	-	-	-	-
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		6	5	-	7	6	5	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-
	2-WAY RELEASE	-	-	-	-	-	-	-
	Adjustable mono lever	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X	X
	With (removable)	-	-	-	-	-	-	-
	Without	-	-	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	X	X	X	X	X	X
Recommended shift lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)		-	-	-	-	-	-	-
Note								

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Shift Lever

Series		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
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front speeds		-	-	3	-	-	3 (Friction)
Rear speeds		7	6	-	7	6	-
Compatible rear derailleur type		MTB 7-speed	MTB 6-speed	-	MTB 7-speed	MTB 6-speed	-
Compatible with I-SPEC EV brake lever		-	-	-	-	-	-
Mount type	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-
	I-SPEC EV	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-
Shift lever cable adjust		-	-	X	-	-	X
Initial lever position adjust		-	-	-	-	-	-
Front 2/3 mode converter		-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		6	5	-	6	5	-
Release function	MULTI RELEASE	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-
	2-WAY RELEASE	-	-	-	-	-	-
	Adjustable mono lever	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X
	With (removable)	-	-	-	-	-	-
	Without	-	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	-	-	-	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
		Steel	X	X	X	X	X
Recommended shift lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)		-	-	-	-	-	-
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	-



Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY TZ	TOURNEY TZ	TOURNEY TZ
Model no.		SL-RV200-7R	SL-RV200-6R	SL-RV200-L	SL-RV200-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
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Thumb Shifter	Thumb Shifter	Thumb Shifter
Front speeds		-	-	3	3 (Friction)	-	-	3 (Friction)
Rear speeds		7	6	-	-	7	6	-
Compatible rear derailleur type		MTB 7-speed	MTB 6-speed	-	-	MTB 7-speed	MTB 6-speed	-
Compatible with I-SPEC EV brake lever		-	-	-	-	-	-	-
Mount type	Clamp band	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-	-
	I-SPEC EV	-	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-	-
Shift lever cable adjust		-	-	X	-	-	-	-
Initial lever position adjust		-	-	-	-	-	-	-
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		6	5	-	-	6	5	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-
	2-WAY RELEASE	-	-	-	-	-	-	-
	Adjustable mono lever	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	-	X*	X*	X*
	With (removable)	-	-	-	-	-	-	-
	Without	-	-	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	X	X	X	X	X	X
Recommended shift lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)		-	-	-	-	-	-	-
Note		-	-	-	-	* Gear Position Indicator	* Gear Position Indicator	* Gear Position Indicator

Seat Post Lever

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		SL-MT800-IL	SL-MT500-L	SL-MT500-IL
Color	1	Black	Black	Black
	2	-	-	-
Lever type		Seat post lever	Seat post lever	Seat post lever
Compatible with I-SPEC EV brake lever		X	X	X
Mount type	Clamp band	-	X	-
	I-SPEC B	-	-	-
	I-SPEC II	-	-	-
	I-SPEC EV	X	-	X
Lever position adjust		X	-	X
Lever rotation adjust (non I-SPEC EV)		-	-	-
Cable adjuster		X	X	X
Multi bearing construction		X	-	-
Lever cable	Material	Stainless steel	Steel	Steel
	Finish	OPTISLICK	OPTISLICK	OPTISLICK
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41
Average weight (g)		37	-	-
Note		7 mm Cable Pitch, 1800 mm inner wire length	9 mm Cable Pitch, 1800 mm inner wire length	9 mm Cable Pitch, 1800 mm inner wire length

Shift Lever (Integration Unit)

Series	XTR	XTR	DEORE XT	DEORE XT
Model no.	SM-SL98-B-R	SM-SL98-B-L	SM-SL78-B-R	SM-SL78-B-L
I-SPEC compatible	X*	X*	X*	X*
Compatible shift lever	SL-M980	SL-M980	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



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CI-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec

SL/SMSL

BL

ST

RD

FD

BR

BR

FC

CD

BB

CS/MF

HB

FH

WH

CI-DECK

Brake Lever (Hydraulic Disc Brake)

Series		XTR	XTR	SAINT	DEORE XT	DEORE XT	SLX	DEORE
Model no.		BL-M9100	BL-M9120	BL-M820-B	BL-M8100	BL-M8000	BL-M7100	BL-M6100
Brake type		Hydraulic disc brake	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	2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series Color
	2	-	-	-	-	-	-	Black (SHIMANO Logo)
	3	-	-	-	-	-	-	-
Brake hose (kit)		SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-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
SERVO WAVE		-	X	X	X	X	X	X
Reach adjust	Toolless	-	X	X	X	X	X	-
	Tool	X	-	-	-	-	-	X
Free stroke adjust		-	X	X	X	X	-	-
Compatible shift lever mount	Clamp band	X	X	X	X	X	X	X
	I-SPEC B	-	-	X	-	-	-	-
	I-SPEC II	-	-	-	-	X	-	-
	I-SPEC EV	X	X	-	X	-	X	X
Clamp band	Open clamp	X	X	X	X	X	X	X
Shift lever rotation angle adjust range (I-SPEC EV ; deg.)		60	60	-	20	-	20	10
Recommended brake caliper		BR-M9100 BR-M9110	BR-M9120	BR-M820	BR-M8100 BR-M8110 BR-M8120	BR-M8000	BR-M7100 BR-M7110 BR-M7120	BR-M6100 BR-M6120
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X	X	X	X
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		312	385	103.2 *	392 (BR-M8100) 410 (BR-M8120)	402.5	425 (BR-M7100) 444 (BR-M7120)	-
Note		-	-	* Single item weight				

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-M4100	BL-MT501	BL-MT401	BL-MT402-3A	BL-MT201	BL-MT200
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	3	3	3
Color	1	Black (SHIMANO logo)	Black	Black (Metallic silver lever)	Black	Black	Black
	2	-	-	Black (Black lever)	Silver *	-	-
	3	-	-	-	-	-	-
Brake hose (kit)		SM-BH59-JK-SS (for BR-MT410) SM-BH90-SS (for BR-MT420)	SM-BH59-JK-SS (for BR-MT500) SM-BH90-SS (for BR-MT520)	SM-BH59-JK-SS (for BR-MT400) SM-BH90-SS (for BR-MT420)	SM-BH59-JK-SS (for BR-MT400, BR-MT410) SM-BH90-SS (for BR-MT420)	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
SERVO WAVE		-	X	-	-	-	-
Reach adjust	Toolless	-	-	-	-	-	-
	Tool	X	X	X	X	X	X
Free stroke adjust		-	-	-	-	-	-
Compatible shift lever mount	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	X	-	-	-	-
	I-SPEC EV	X	-	-	-	-	-
Clamp band	Open clamp	X	X	-	-	-	-
Shift lever rotation angle adjust range (I-SPEC EV ; deg.)		10	-	-	-	-	-
Recommended brake caliper		BR-MT410 BR-MT420	BR-MT500 BR-MT520	BR-MT400 BR-MT420	BR-MT400 BR-MT410 BR-MT420	BR-MT200 BR-UR300	BR-MT200 BR-UR300
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X	X	X
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		-	-	-	-	-	-
Note					* The option color part is master cylinder		

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	-
Recommended POWER MODULATOR	Roller brake	-
	V-BRAKE	-
Clamp band	Mechanical disc brake (MTB)	-
	Open clamp band	-
	I-SPEC	-
	Diameter (mm)	-
Internal bumper stop		-
Lever size (finger)		2
Brake cable type		T-type
Power adjuster		-
SERVO WAVE		-
Reach adjust		X
Cable adjust		X
Cable adjust type		One hand
Stainless clamp screw		X
Average weight (g)		175 (/pair)
Note		For BMX

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CH-DECK

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Shift/Brake Lever (Hydraulic Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		ST-EF505-9R	ST-EF505-8R	ST-EF505-7R	ST-EF505-2L	ST-EF505-L	
Color	1	Black	Black	Black	Black	Black	
	2	-	-	-	-	-	
Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	
Shift lever	Front speeds	-	-	-	2	3	
	Rear speeds	9	8	7	-	-	
	2/3 mode converter	-	-	-	-	-	
	Max. multiple shifts (main lever/rear)	3	3	3	-	-	
	Compatible rear derailleur type	MTB 9-speed	MTB 8-speed	MTB 7-speed	-	-	
	I-SPEC compatible	-	-	-	-	-	
	Shift lever position adjust		-	-	-	-	-
	Release function	MULTI RELEASE	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-
	Shift lever cable adjust		X	X	X	X	X
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X
		With (removable)	-	-	-	-	-
		Without	-	-	-	-	-
	Multi-bearing construction		-	-	-	-	-
Shift lever cable	Outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
		Steel	X	X	X	X	X
Lever size (finger)		3	3	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	
Hose joint		Straight	Straight	Straight	Straight	Straight	
Brake hose color (kit)	1	Black	Black	Black	Black	Black	
	2	-	-	-	-	-	
J-Kit spec (for OEM)		X	X	X	X	X	
Recommended brake caliper		BR-MT200	BR-MT200	BR-MT200	BR-MT200	BR-MT200	
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	
Reach adjust	Toolless	-	-	-	-	-	
	Tool	X	X	X	X	X	
Funnel bleeding		X	X	X	X	X	
Free stroke adjust		-	-	-	-	-	
SERVO WAVE		-	-	-	-	-	
Clamp band		-	-	-	-	-	
Open clamp		-	-	-	-	-	
Stainless clamp screw		-	-	-	-	-	
Average weight (g)		-	-	-	-	-	
Note							

- SL/SMSL
- BL
- ST
- RD
- FD
- BR
- BR
- FC
- CD
- BB
- CS/MF
- HB
- FH
- WH
- CI-DECK

Shift/Brake Lever

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY TX	
Model no.		ST-M310-8R2	ST-M310-L2	ST-EF500-8R2A	ST-EF500-8R4A	ST-TX800-8R	
Color	1	Black	Black	Black	Black	Black	
	2	Silver	Silver	-	-	Silver	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	
Shift lever	Front speeds	-	3	-	-	-	
	Rear speeds	8	-	8	8	8	
	Compatible rear derailleur type	MTB 8-speed	-	MTB 8-speed	MTB 8-speed	MTB 8-speed	
	Shift lever position adjust	-	-	-	-	-	
	Shift lever cable adjust	X	X	-	-	-	
	2/3 mode converter	-	-	-	-	-	
	Max. multiple shifts (Main lever/rear)	3	-	3	3	3	
	Release function	MULTI RELEASE	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X
		With (removable)	-	-	-	-	-
		Without	-	-	-	-	-
	Multi-Bearing construction	-	-	-	-	-	
Shift lever cable	Outer casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	-	-	-	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
Steel		X	X	X	X	X	
Brake lever	Compatible brake type	V-BRAKE	X	X	X	X with switch*	X
		Mechanical disc brake (MTB)	X	X	X	X with switch*	X
		Mechanical disc brake (Road)	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-
		Caliper (SUPER SLR)	-	-	-	X with switch	-
		Cantilever brake	-	-	-	X with switch	-
	Recommended POWER MODULATOR	Roller brake	-	-	-	X with switch	-
		V-BRAKE	-	-	-	SM-PM40	-
		Mechanical disc brake (MTB)	-	-	-	SM-PM50	-
	Clamp band	Open clamp band	-	-	-	-	-
	Internal bumper stop	-	-	-	-	-	
	Lever size (finger)	2	2	2	4	2	
	Brake cable type	T-type	T-type	T-type	T-type	T-type	
Power adjuster	-	-	-	-	-		
SERVO WAVE	-	-	-	-	-		
Reach adjust	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 (g)	-	-	-	-	-		
Note					* POWER MODULATOR must be used for front brake		

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec
-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

Shift/Brake Lever

Series		TOURNEY TX	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		ST-TX800-L	ST-EF500-7R2A	ST-EF500-7R4A	ST-EF500-L2A	ST-EF500-L4A	
Color	1	Black	Black	Black	Black	Black	
	2	Silver	-	-	-	-	
Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	
Shift lever	Front speeds	3	-	-	3	3	
	Rear speeds	-	7	-	-	-	
	Compatible rear derailleur type	-	MTB 7-speed	MTB 7-speed	-	-	
	Shift lever position adjust	-	-	-	-	-	
	Shift lever cable adjust	X	-	-	X	X	
	2/3 mode converter	-	-	-	-	-	
	Max. multiple shifts (Main lever/rear)		-	3	3	-	-
	Release function	MULTI RELEASE	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X
		With (removable)	-	-	-	-	-
		Without	-	-	-	-	-
Multi-Bearing construction		-	-	-	-	-	
Shift lever cable	Outer casing		OT-SIS40	OT-SP41	OT-SP41	OT-SP41	
	Inner cable	Polymer-coated cable	-	-	-	-	
		OPTISLICK	-	-	-	-	
		SIL-TEC	-	-	-	-	
		Stainless	-	-	-	-	
		Steel	X	X	X	X	X
V-BRAKE		X	X	X with switch*	X	X with switch*	
Brake lever	Compatible brake type	Mechanical disc brake (MTB)	X	X	X with switch*	X with switch*	
		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		-	-	-	-	-
	Lever size (finger)		2	2	4	2	4
Brake cable type		T-type	T-type	T-type	T-type	T-type	
Power adjuster		-	-	-	-	-	
SERVO WAVE		-	-	-	-	-	
Reach adjust		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 (g)		-	-	-	-	-	
Note				* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake	

Shift/Brake Lever

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		ST-EF500-2L2A	ST-EF500-2L4A	ST-EF41-7R	ST-EF41-6R	ST-EF41-L	
Color	1	Black	Black	Black	Black	Black	
	2	-	-	-	-	-	
Shifter type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	
Shift lever	Front speeds	2	2	-	6	3	
	Rear speeds	-	-	7	-	-	
	Compatible rear derailleur type	-	-	MTB 7-speed	MTB 6-speed	-	
	Shift lever position adjust	-	-	-	-	-	
	Shift lever cable adjust	X	X	-	-	X	
	2/3 mode converter	-	-	-	-	-	
	Max. multiple shifts (Main lever/rear)	-	-	3	3	-	
	Release function	MULTI RELEASE	-	-	-	-	-
		INSTANT RELEASE	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-
	OPTICAL GEAR DISPLAY	With	X	X	X	X	X
		With (removable)	-	-	-	-	-
		Without	-	-	-	-	-
	Multi-Bearing construction		-	-	-	-	-
Shift lever cable	Outer casing		OT-SP41	OT-SP41	OT-SIS40	OT-SIS40	
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	-	-	-	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
Steel		X	X	X	X	X	
Brake lever	Compatible brake type		V-BRAKE	X with switch*	X	X	
			Mechanical disc brake (MTB)	X	X with switch*	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	-	-
			V-BRAKE	-	SM-PM40	-	-
	Recommended POWER MODULATOR		Mechanical disc brake (MTB)	-	SM-PM50	-	-
	Clamp band		Open clamp band	-	-	-	-
			Internal bumper stop	-	-	-	-
			Lever size (finger)	2	4	2	2
			Brake cable type	T-type	T-type	T-type	T-type
		Power adjuster	-	-	-	-	
		SERVO WAVE	-	-	-	-	
		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 (g)		-	-	-	-	-	
Note			* POWER MODULATOR must be used for front brake				

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec
-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

Rear Derailleur

Series	XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT	SLX
Model no.	RD-M9100-GS	RD-M9100-SGS	RD-M9120-SGS	RD-M8100-GS	RD-M8100-SGS	RD-M8120-SGS	RD-M7100-SGS
Pulley cage	GS	SGS	SGS	GS	SGS	SGS	SGS
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Rear speeds	12	12	12 (Front double)	12	12	12 (Front double)	12
Compatible chain	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Top-normal spring type	SHIMANO SHADOW RD	-	-	-	-	-	-
	SHIMANO SHADOW RD+	X	X	X	X	X	X
	Double servo	-	-	-	-	-	-
Mount	Direct attachment (conventional)	X	X	X	X	X	X
	Direct mount compatible	-	-	-	-	-	-
	Riveted adapter (road type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Mode converter	-	-	-	-	-	-	-
Cable adjuster	-	-	-	-	-	-	-
Max. front difference	0T	0T	10T	0T	0T	10T	0T
Total capacity	35T	41T	41T	35T	41T	45T	41T
Low sprocket	Max.	45T	51T	45T	51T	45T	51T
	Min.	45T	51T	45T	45T	51T	51T
Top sprocket	Max.	10T	10T	10T	10T	10T	10T
	Min.	10T	10T	10T	10T	10T	10T
Fluoricoated link bushings	8	8	8	4	7	7	7
Pulley	Guide pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	-
	Tension pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	-
	Teeth	13T	13T	13T	13T	13T	13T
	Sunken type pulley screw	X	X	X	X	X	X
B-axle	Hollow axle	X	X	X	X	X	X
B-axle 2	Hollow axle	-	-	-	-	-	-
Average weight (g)	237	240	241		284	290	316
Note	-	w/Bumper on pully cage		w/Bumper on pully cage	w/Bumper on pully cage		w/Bumper on pully cage

Series	SLX	DEORE	DEORE XT	DEORE XT	DEORE XT	DEORE	DEORE	
Model no.	RD-M7120-SGS	RD-M6100-SGS	RD-M8130-SGS	RD-M8000-GS	RD-M8000-SGS	RD-M5100-SGS	RD-M5120-SGS	
Pulley cage	SGS	SGS	SGS	GS	SGS	SGS	SGS	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Rear speeds	12 (Front double)	12	11	11	11	11	11/10	
Compatible chain	HG 12-speed	HG 12-speed	HG-X11 11-speed CN-LG500	HG-X 11-speed	HG-X 11-speed	HG-X11 11-speed	HG-X11 11-speed HG-X 10-speed	
Top-normal spring type	SHIMANO SHADOW RD	-	-	-	-	-	-	
	SHIMANO SHADOW RD+	X	X	X	X	X	X	
	Double servo	-	-	-	-	-	-	
Mount	Direct attachment (conventional)	X	X	X	X	X	X	
	Direct mount compatible	-	-	-	X*	X*	X	
	Riveted adapter (road type)	-	-	-	-	-	-	
	Riveted adapter (BMX-track type)	-	-	-	-	-	-	
Mode converter	-	-	-	-	-	-	-	
Cable adjuster	-	-	-	-	-	-	-	
Max. front difference	10T	0T	0T	10T	18T	0T	10T	
Total capacity	45T	41T	39T	39T	47T	40T	41T	
Low sprocket	Max.	45T	51T	50T	42T(2x11-speed), 46T(1x11-speed)	40T(3x11-speed), 42T(2x11-speed), 46T(1x11-speed)	51T	46T (1x10-speed) 42T (2x11/2x10-speed)
	Min.	45T	51T	50T	40T	40T	51T	42T
Top sprocket	Max.	10T	10T	11T	11T	11T	11T	
	Min.	10T	10T	11T	11T	11T	11T	
Fluoricoated link bushings	7	7	7	4	4	7	4	
Pulley	Guide pulley bearing	-	-	Sealed Bearing	Sealed Bearing	Sealed Bearing	-	
	Tension pulley bearing	-	-	Sealed Bearing	Sealed Bearing	Sealed Bearing	-	
	Teeth	13T	13T	13T	11T	11T	13T	
	Sunken type pulley screw	X	X	X	X	X	X	
B-axle	Hollow axle	X	X	X	X	X	X	
B-axle 2	Hollow axle	-	-	-	X	X	X	
Average weight (g)	322	-		271	275	-	-	
Note			w/Bumper on pully cage	* 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		

Rear Derailleur

Series	DEORE	SAINT	SLX	SLX	SLX	DEORE	DEORE
Model no.	RD-M4120-SGS	RD-M820-SS	RD-M7000-10-SGS	RD-M670-GS	RD-M670-SGS	RD-M6000-GS	RD-M6000-SGS
Pulley cage	SGS	SS	SGS	GS	SGS	GS	SGS
Color	1	Series color	Series color	Series color	Series color	Series Black	Series Black
	2	-	-	-	-	-	-
Rear speeds	11/10	10	10	10	10	10	10
Compatible chain	HG-X11 11-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
Top-normal spring type	SHIMANO SHADOW RD	X	-	X	X	-	-
	SHIMANO SHADOW RD+	-	X	X	-	X	X
	Double servo	-	-	-	-	-	-
Mount	Direct attachment (conventional)	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	-	X	-	-	-	-	-
Cable adjuster	-	-	-	-	-	-	-
Max. front difference	10T	Single	22T	18T	22T	10T	22T
Total capacity	41T	25T	43T	35T	43T	41T	43T
Low sprocket	Max.	42T	28/36T	36T	36T	42T	36T
	Min.	42T	23T	32T	32T	42T	32T
Top sprocket	Max.	11T	12T	11T	11T	11T	11T
	Min.	11T	11T	11T	11T	11T	11T
Fluoricoated link bushings	3	5	2	3	3	4	3
Pulley	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley bearing	-	Sealed Bearing	-	-	-	-
	Teeth	11T	11T	11T	11T	11T	11T
	Sunken type pulley screw	X	X	X	X	X	X
B-axle	Hollow axle	X	X	X	X	X	X
B-axle 2	Hollow axle	X	X	X	-	X	X
Average weight (g)	-	280 (w/o mode converter)	313	278	281	-	-
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

Series	DEORE	DEORE	DEORE	SHIMANO ALIVIO	ALTUS	ALTUS	ACERA
Model no.	RD-M5130-GS	RD-M610-GS	RD-M610-SGS	RD-M3100-SGS	RD-M2000	RD-M370-SGS	RD-M360-SGS
Pulley cage	GS	GS	SGS	SGS	SGS	SGS	SGS
Color	1	Series color	Black	Series color	Series color	Black	Black
	2	-	Silver	Silver	-	Silver	Silver
Rear speeds	10	10	10	9	9	9	8/7
Compatible chain	HG-X11 11-speed CN-LG500	HG-X 10-speed	HG-X 10-speed	CN-HG53 9-speed	HG 9-speed	HG 9-speed	HG 8/7-speed
Top-normal spring type	SHIMANO SHADOW RD	-	X	X	X	-	-
	SHIMANO SHADOW RD+	X	-	-	-	-	-
	Double servo	-	-	-	-	X	X
Mount	Direct attachment (conventional)	X	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	X	X
Max. front difference	0T	18T	22T	22T	22T	22T	20T
Total capacity	32T	35T	43T	45T	45T	45T	43T
Low sprocket	Max.	43T	36T	36T	36T	34T	34T
	Min.	43T	32T	32T	32T	32T	28T
Top sprocket	Max.	11T	11T	11T	12T	11T	14T
	Min.	11T	11T	11T	11T	11T	11T
Fluoricoated link bushings	7	3	3	1	-	-	1
Pulley	Guide pulley bearing	Bush	-	-	-	-	-
	Tension pulley bearing	Bush	-	-	-	-	-
	Teeth	13T	11T	11T	11T	11T	11/11T
	Sunken type pulley screw	X	X	X	X	X	X (Guide pulley) - (Tension pulley)
B-axle	Hollow axle	-	X	X	-	-	-
B-axle 2	Hollow axle	-	X	X	-	-	-
Average weight (g)	-	-	-	-	-	-	-
Note	-	* w/o Bracket spec. available	* w/o Bracket spec. available	-	-	-	-

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Rear Derailleur

Series		ALTUS	TOURNEY TX	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.		RD-M310-Smart	RD-TX800	RD-TY500-SGS	RD-TY300-SGS	RD-TY200-SS	RD-TY200-GS	RD-TY21-B-SS
Pulley cage		Smart	SGS	SGS	SGS	SS	GS	SS
Color	1	Black	Black	Series color	Series color	Black	Black	Black
	2	Silver	Silver	-	-	-	-	Silver
Rear speeds		8/7	8/7	7/6	7/6	7/6 (Front single)	7/6	6
Compatible chain		HG 8/7-speed	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 6-speed
Top-normal spring type	SHIMANO SHADOW RD	-	-	-	-	-	-	-
	SHIMANO SHADOW RD+	-	-	-	-	-	-	-
	Double servo	X	X	X	X	-	-	-
Mount	Direct attachment (conventional)	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	X	-	-
Mode converter		-	-	-	-	-	-	-
Cable adjuster		X	X	X	X	X	X	X
Max. front difference		20T	20T	20T	20T	0T	20T	13T
Total capacity		43T	43T	43T	43T	20T	34T	28T
Low sprocket	Max.	34T	34T	34T	34T	34T	28T	28T
	Min.	28T	28T	28T	28T	28T	28T	28T
Top sprocket	Max.	14T	14T	14T	14T	14T	14T	14T
	Min.	11T	11T	11T	11T	12T	14T	14T
Fluoric coated link bushings		-	-	-	-	-	-	-
Pulley	Guide pulley bearing	-	-	-	-	-	-	-
	Tension pulley bearing	-	-	-	-	-	-	-
	Teeth	13/15T	13/13T	13/13T	13/13T	11T/11T	11/11T	11/11T
	Sunken type pulley screw	-	-	-	-	-	-	-
B-axle	Hollow axle	-	-	-	-	-	-	-
B-axle 2	Hollow axle	-	-	-	-	-	-	-
Average weight (g)		-	-	-	-	-	-	-
Note				w/ Wheel type cable guide				

- SL/SMSL
- BL
- ST
- RD
- FD
- BR
- BR
- FC
- CD
- BB
- CS/MF
- HB
- FH
- WH
- CI-DECK

Series		TOURNEY	TOURNEY TZ
Model no.		RD-TY21-B-GS	RD-TZ500-GS
Pulley cage		GS	GS
Color	1	Black	Series color
	2	Silver	-
Rear speeds		6	6
Compatible chain		HG-UG 6-speed	HG-UG 6-speed
Top-normal spring type	SHIMANO SHADOW RD	-	-
	SHIMANO SHADOW RD+	-	-
	Double servo	-	-
Mount	Direct attachment (conventional)	X	X
	Direct mount compatible	-	-
	Riveted adapter (road type)	X	X
	Riveted adapter (BMX-track type)	-	-
Mode converter		-	-
Cable adjuster		X	X
Max. front difference		20T	20T
Total capacity		34T	34T
Low sprocket	Max.	28T	28T
	Min.	28T	28T
Top sprocket	Max.	14T	14T
	Min.	14T	14T
Fluoric coated link bushings		-	-
Pulley	Guide pulley bearing	-	-
	Tension pulley bearing	-	-
	Teeth	11/11T	11/11T
	Sunken type pulley screw	-	-
B-axle	Hollow axle	-	-
B-axle 2	Hollow axle	-	-
Average weight (g)		-	-
Note			

Front Derailleur

Series		XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT	SLX
Model no.		FD-M9100-D	FD-M9100-E	FD-M9100-M	FD-M8100-D	FD-M8100-E	FD-M8100-M	FD-M7100-D
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2	2
Rear speeds		12	12	12	12	12	12	12
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Action	TOP SWING		-	-	-	-	-	-
	Down swing		-	-	-	-	-	-
	SIDE SWING		X	X	X	X	X	X
Mount	Clamp band (mm)	28.6	-	-	-	-	-	-
		31.8	-	-	X (w/ M size adapter)	-	-	X (w/ M size adapter)
		34.9	-	-	X	-	-	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	X	-	-	X	-
Direct mount		X	-	-	X	-	-	X
Cable route type	Dual-pull		-	-	-	-	-	-
	Top-pull exclusive		-	-	-	-	-	-
	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		X	X	X	X	X	X
Chain line (mm)		48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		38T	38T	38T	36-38T	36-38T	36-38T	36-38T
Total capacity		10T	10T	10T	10T	10T	10T	10T
Applicable top-mid tooth difference		-	-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	-	-
Angled stroke adjust screw		X	X	X	X	X	X	X
Angled clamp band design		-	-	-	-	-	X	-
Link bushings		6	6	6	6	6	6	6
Average weight (g) (band type: L size, direct type w/ screw)		110	88	99	135	106	114	135
Note		-	-	* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible	-	-	* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible	-

Series		SLX	SLX	SLX	SLX	SLX	DEORE XT	DEORE XT
Model no.		FD-M7100-E	FD-M7100-M	FD-M7025-11-D	FD-M7025-11-H	FD-M7025-11-L	FD-M785	FD-M785-E2
Color	1	Series color	Series color	Series color	Series color	Series color	Black	Black
	2	-	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2	2
Rear speeds		12	12	11	11	11	10	10
Compatible chain		HG 12-speed	HG 12-speed	HG-X11	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed
Action	TOP SWING		-	-	-	X	X	X
	Down swing		-	-	X	-	-	-
	SIDE SWING		X	X	-	-	-	-
Mount	Clamp band (mm)	28.6	-	-	-	-	X (w/ S size adapter)	-
		31.8	-	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)
		34.9	-	X	-	X	X	-
	E-type	With bottom bracket plate	-	X	-	-	-	-
		Without bottom bracket plate	X	-	-	-	-	-
Direct mount		-	-	X	-	-	-	-
Cable route type	Dual-pull		-	-	X	X	-	X
	Top-pull exclusive		-	-	-	-	-	-
	Down-pull exclusive		-	-	-	-	X	-
	Front-pull		X	X	-	-	-	-
Chain line (mm)		48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.) 51.8 (148 mm O.L.D.)	48.8	48.8	48.8	48.8	48.8
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		36-38T	36-38T	34-38T	34-38T	34-38T	38-44T	38-44T
Total capacity		10T	10T	10T	10T	10T	14T	14T
Applicable top-mid tooth difference		-	-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	X	X
Angled stroke adjust screw		X	X	X	X	X	X	X
Angled clamp band design		-	X	-	X	X	X	-
Link bushings		6	6	6	6	6	2	2
Average weight (g) (band type: L size, direct type w/ screw)		106	114	140	152	133	136	127
Note		-	* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible	-	* 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	* Outer casing stopper integrated design.

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CI-DECK

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



Front Derailleur

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	
Model no.		FD-M786	FD-M786-D	FD-M770	FD-M770-E	FD-M771	FD-M771-D	FD-M772A	
Color	1	Black	Black	Series color	Series color	Series color	Series color	Series color	
	2	Silver	Silver	-	-	-	-	-	
Front speeds		2	2	3	3	3	3	3	
Rear speeds		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	
	Down swing	X	X	-	-	X	X	-	
	SIDE SWING	-	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)	
		31.8	X (w/ M size adapter)	-	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	
		34.9	X	-	X	-	X	X	
	E-type	With bottom bracket plate	-	-	-	X	-	-	-
		Without bottom bracket plate	-	-	-	X	-	-	-
Direct mount		-	X	-	-	-	X	-	
Cable route type	Dual-pull	X	X	X	X	X	X	X (w/ M size adapter)	
	Top-pull exclusive	X	X	-	-	-	-	X	
	Down-pull exclusive	-	-	-	-	-	-	-	
	Front-pull	-	-	-	-	-	-	-	
Chain line (mm)		48.8	48.8	50	50	50	50	50	
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	63-66	
Top gear teeth		38-44T	38-44T	44T/48T	44T	44T	44T	44T/48T	
Total capacity		14T	14T	22T	22T	22T	22T	22T	
Applicable top-mid tooth difference		-	-	12T	12T	12T	12T	12T	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		X	X	X	X	X	X	-	
Angled clamp band design		X	-	X	-	X	-	X	
Link bushings		8	8	2	2	8	8	2	
Average weight (g) (band type: L size, direct type w/ screw)		155	146	152	166	155	147	160	
Note				* Outer casing stopper integrated design.					

Series		SLX	SLX	DEORE	DEORE	DEORE	DEORE	DEORE	
Model no.		FD-M660	FD-M661	FD-M6000-H	FD-M6000-M	FD-M6000-L	FD-M6000-D	FD-M6000-E	
Color	1	Series color	Series color	Series Black	Series Black	Series Black	Series Black	Series Black	
	2	-	-	-	-	-	-	-	
Front speeds		3	3	3	3	3	3	3	
Rear speeds		9	9	10	10	10	10	10	
Compatible chain		HG 9-speed	HG 9-speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X 10speed	
Action	TOP SWING	X	-	-	-	-	-	-	
	Down swing	-	X	-	-	-	-	-	
	SIDE SWING	-	-	X	X	X	X	X	
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	-	-	
		31.8	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	X	X	X	X	X	-	
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	-	-	X
Direct mount		-	-	-	-	-	X	-	
Cable route type	Dual-pull	X	X	-	-	-	-	-	
	Top-pull exclusive	-	-	-	-	-	-	-	
	Down-pull exclusive	-	-	-	-	-	-	-	
	Front-pull	-	-	X	X	X	X	X	
Chain line (mm)		50	50	50	50	50	50	50	
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69	
Top gear teeth		44T	44T	40-42T	40-42T	40-42T	40-42T	40-42T	
Total capacity		22T	22T	18T	18T	18T	18T	18T	
Applicable top-mid tooth difference		12T	12T	10T	10T	10T	10T	10T	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		X	X	X	X	X	X	X	
Angled clamp band design		X	X	X	X	X	-	-	
Link bushings		2	8	4	4	4	4	4	
Average weight (g) (band type: L size, direct type w/ screw)		155	158	-	-	-	-	-	
Note		* Outer casing stopper integrated design.							

Front Derailleur

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		FD-M6025-H	FD-M6025-L	FD-M6025-D	FD-M5100-D	FD-M5100-E	FD-M5100-M	FD-M4100-D
Color	1	Series Black	Series Black	Series Black	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2	2
Rear speeds		10	10	10	11	11	11	10
Compatible chain		HG-X 10speed	HG-X 10speed	HG-X 10speed	HG-X11 11-speed	HG-X11 11-speed	HG-X11 11-speed	HG-X 10-speed
Action	TOP SWING	-	X	-	-	-	-	-
	Down swing	X	-	X	-	-	-	-
	SIDE SWING	-	-	-	X	X	X	X
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	X (w/ S size adapter)	-	-	- *	-
		31.8	X (w/ M size adapter)	X (w/ M size adapter)	-	-	X (w/ M size adapter)	-
		34.9	X	X	-	-	-	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	X	-
	Direct mount		-	-	X	X	-	-
Cable route type	Dual-pull	X	-	X	-	-	-	-
	Top-pull exclusive	-	-	-	-	-	-	-
	Down-pull exclusive	-	X	-	-	-	-	-
	Front-pull	-	-	-	X	X	X	X
Chain line (mm)		48.8	48.8	48.8/51.8*	48.8/51.8	48.8/51.8	48.8/51.8	48.8/51.8
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		34-38T	34-38T	34-38T	36T	36T	36T	36T
Total capacity		10T	10T	10T	10T	10T	10T	10T
Applicable top-mid tooth difference		-	-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	-	-
Angled stroke adjust screw		X	X	X	X	X	X	X
Angled clamp band design		X	X	-	-	-	X	-
Link bushings		8	2	8	4	4	4	4
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-
Note				* Compatible with the special crankset which chain line is 3 mm outboard.			* S-size adapter is available in OTC package only.	

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		FD-M4100-E	FD-M4100-M	FD-M617-H	FD-M617-L	FD-M617-D	FD-M617-E	FD-M618-E
Color	1	Series color	Series color	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2	2
Rear speeds		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
	Down swing	-	-	-	-	-	-	-
	SIDE SWING	X	X	X	X	X	X	-
Mount	Clamp band (mm)	28.6	- *	X (w/ S size adapter)	X (w/ S size adapter)	-	-	-
		31.8	-	X (w/ M size adapter)	X (w/ M size adapter)	-	-	-
		34.9	-	X	X	X	-	-
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	X	-	-	-	-	X
	Direct mount		-	-	-	-	X	-
Cable route type	Dual-pull	-	-	-	-	-	-	-
	Top-pull exclusive	-	-	-	-	-	-	-
	Down-pull exclusive	-	-	-	-	-	-	X
	Front-pull	X	X	X	X	X	X	-
Chain line (mm)		48.8/51.8	48.8/51.8	48.8	48.8	48.8	48.8	48.8*
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		36T	36T	36-38T	36-38T	36-38T	36-38T	36-38T
Total capacity		10T	10T	14T	14T	14T	14T	14T
Applicable top-mid tooth difference		-	-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	-	-
Angled stroke adjust screw		X	X	X	X	X	X	X
Angled clamp band design		-	X	X	X	-	-	-
Link bushings		4	4	4	4	4	4	2
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-
Note			* S-size adapter is available in OTC package only.			* Compatible with the special crankset which chain line is 3 mm outboard.	* Compatible with the special crankset which chain line is 3 mm outboard.	* Compatible with the special crankset which chain line is 3 mm outboard.

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

- MTB
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-  FH
-  WH
-  CI-DECK

Front Derailleur

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	
Model no.		FD-M610-B	FD-M610-E	FD-M611-B	FD-M611-D	FD-M615-B	FD-M615-E2	FD-M616-B	
Color	1	Black	Black	Black	Black	Black	Black	Black	
	2	-	-	-	-	-	-	-	
Front speeds		3	3	3	3	2	2	2	
Rear speeds		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 (mm)	28.6	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)	
		31.8	X (w/ M size adapter)	-	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	
		34.9	X	-	X	-	X	X	
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket plate	-	X	-	-	-	X	-
Direct mount		-	-	-	X	-	-	-	
Cable route type	Dual-pull	X	X	X	X	X	X	X	
	Top-pull exclusive	-	-	X	X	-	-	X	
	Down-pull exclusive	-	-	-	-	-	-	-	
	Front-pull	-	-	-	-	-	-	-	
Chain line (mm)		50	50	50	50	48.8	48.8	48.8	
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69	66-69	
Top gear teeth		40-42T	40-42T	40-42T	40-42T	38-44T	38-40T	38-44T	
Total capacity		18T	18T	18T	18T	14T	14T	14T	
Applicable top-mid tooth difference		10T	10T	10T	10T	-	-	-	
Multi access cable fixing screw		X	X	-	-	X	X	-	
Angled stroke adjust screw		X	X	-	X	X	X	X	
Angled clamp band design		X	-	X	-	X	-	X	
Link bushings		2	2	8	8	2	2	8	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-	
Note									

Series		DEORE	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	
Model no.		FD-M616-D	FD-M4020-M	FD-M3100-M	FD-M3120-D	FD-M3120-E	FD-M3120-M	FD-M3120-M-B	
Color	1	Black	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
Front speeds		2	2	3	2	2	2	2	
Rear speeds		10	9	9	9	9	9	9	
Compatible chain		HG-X 10-speed	HG 9-speed	CN-HG53 9-speed	CN-HG53 9-speed	CN-HG53 9-speed	CN-HG53 9-speed	CN-HG53 9-speed	
Action	TOP SWING	-	-	-	-	-	-	-	
	Down swing	X	-	-	-	-	-	-	
	SIDE SWING	-	X	X	X	X	X	X	
Mount	Clamp band (mm)	28.6	-	X (w/ S size adapter)	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)	
		31.8	-	X (w/ M size adapter)	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)	
		34.9	-	X	X	-	-	X	
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	X	-	-
Direct mount		X	-	-	X	-	-	-	
Cable route type	Dual-pull	X	-	-	-	-	-	-	
	Top-pull exclusive	X	-	-	-	-	-	-	
	Down-pull exclusive	-	-	-	-	-	-	-	
	Front-pull	-	X	X	X	X	X	X	
Chain line (mm)		48.8	48.8	50	48.8/51.8	48.8/51.8	48.8	51.8	
Chainstay angle (deg.)		66-69	64-69	66-69	64-69	64-69	64-69	64-69	
Top gear teeth		38-44T	36T	40T	36T	36T	36T	36T	
Total capacity		14T	14T	18T	14T	14T	14T	14T	
Applicable top-mid tooth difference		-	-	10T	-	-	-	-	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		X	X	X	X	X	X	X	
Angled clamp band design		-	-	X	X	X	X	X	
Link bushings		8	4	4	4	4	4	4	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-	
Note			-						

Front Derailleur

Series		ACERA	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	
Model no.		FD-M3000-TS6	FD-M2020-TS	FD-M2000-TS3	FD-M2000-TS6	FD-M2000-DS3	FD-M2000-DS6	FD-M370-3	
Color	1	Black	Series color	Black	Series color	Black	Series color	Series color	
	2	-	-	-	-	-	-	-	
Front speeds		3	2	3	3	3	3	3	
Rear speeds		9	9	9	9	9	9	9	
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	
Action	TOP SWING	X	X	X	X	-	-	X	
	Down swing	-	-	-	-	X	X	-	
	SIDE SWING	-	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	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	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	X	X	X	X	X	X	X
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket 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	48.8/51.8*	50	50	50	50	50	
Chainstay angle (deg.)		66-69	64-69	63-66	66-69	63-66	66-69	63-66	
Top gear teeth		40T	36T	40T	40T	40T	40T	44T/48T	
Total capacity		18T	14T	18T	18T	18T	18T	22T	
Applicable top-mid tooth difference		10T	-	10T	10T	10T	10T	12T	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		X	X	X	X	X	X	-	
Angled clamp band design		X	X	X	X	X	X	X	
Link bushings		-	-	-	-	-	-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-	
Note			* Boost Spec						

Series		ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS		
Model no.		FD-M370-6	FD-M371-3	FD-M371-6	FD-M315-TS	FD-M313-3	FD-M313-6	FD-M310-3	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	
Front speeds		3	3	3	2	3	3	3	
Rear speeds		9	9	9	8/7	8/7	8/7	8/7	
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	HG 8/7-speed	
Action	TOP SWING	X	-	-	X	-	-	X	
	Down swing	-	X	X	-	X	X	-	
	SIDE SWING	-	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	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	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	X	X	X	X	X	X	X
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket 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	48.8/51.8*	47.5/50	47.5/50	47.5/50	
Chainstay angle (deg.)		66-69	63-66	66-69	64-69	63-66	66-69	63-66	
Top gear teeth		44T/48T	44T/48T	44T/48T	36T	42T/48T	42T/48T	42T/48T	
Total capacity		22T	22T	22T	14T	20T	20T	20T	
Applicable top-mid tooth difference		12T	12T	12T	-	10T	10T	10T	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		-	-	-	X	-	-	-	
Angled clamp band design		X	X	X	X	X	X	X	
Link bushings		-	-	-	-	-	-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-	
Note					* Boost spec.				

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Front Derailleur

Series		ALTUS	TOURNEY TX	TOURNEY TX	TOURNEY	TOURNEY	TOURNEY	TOURNEY	
Model no.		FD-M310-6	FD-TX800-TS3	FD-TX800-TS6	FD-TY700-TS3	FD-TY700-TS6	FD-TY710-2-TS3	FD-TY710-TS3	
Color	1	Series color	Black	Series color	Black	Black	Series color	Series color	
	2	-	-	-	-	-	-	-	
Front speeds		3	3	3	3	3	2	3	
Rear speeds		8/7	8/7	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 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	-	-	-	-	-	-	-	
	SIDE SWING	-	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	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	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	X	X	X	X	X	X	X
	E-type	With bottom bracket plate	-	-	-	-	-	-	-
		Without bottom bracket 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)		47.5/50	47.5/50	47.5/50	47.5/50	47.5/50	48.8	47.5/50	
Chainstay angle (deg.)		66-69	63-66	66-69	63-66	66-69	63-68	63-66	
Top gear teeth		42T/48T	42T/48T	42T/48T	42T	42T	46T	48T	
Total capacity		20T	20T	20T	18T	18T	16T	20T	
Applicable top-mid tooth difference		10T	10T	10T	8T	8T	-	10T	
Multi access cable fixing screw		-	-	-	-	-	-	-	
Angled stroke adjust screw		-	-	-	-	-	-	-	
Angled clamp band design		X	X	X	X	X	X	X	
Link bushings		-	-	-	-	-	-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-	
Note									

Series		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	
Model no.		FD-TY710-TS6	FD-TY500-TS3	FD-TY500-TS6	FD-TY510-TS3	FD-TY510-TS6	FD-TY300-DS6(475) / FD-TY300-DS6(50)	
Color	1	Black	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Front speeds		3	3	3	3	3	3	
Rear speeds		8/7	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	
Action	TOP SWING	X	X	X	X	X	-	
	Down swing	-	-	-	-	-	X	
	SIDE SWING	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X (w/ S size adapter)	X	
		31.8	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)	X	
		34.9	X	X	X	X	X	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	-	-
Direct mount		-	-	-	-	-	-	
Cable route type	Dual-pull	X	X	X	X	X	-	
	Top-pull exclusive	-	-	-	-	-	X	
	Down-pull exclusive	-	-	-	-	-	X	
	Front-pull	-	-	-	-	-	-	
Chain line (mm)		47.5/50	47.5/50	47.5/50	47.5/50	47.5/50	50	
Chainstay angle (deg.)		66-69	63-66	66-69	63-66	66-69	66-69	
Top gear teeth		48T	42T	42T	48T	48T	42T	
Total capacity		20T	18T	18T	20T	20T	18T	
Applicable top-mid tooth difference		10T	8T	8T	10T	10T	8T	
Multi access cable fixing screw		-	-	-	-	-	-	
Angled stroke adjust screw		-	-	-	-	-	-	
Angled clamp band design		X	X	X	X	X	-	
Link bushings		-	-	-	-	-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	
Note								

- SL/SMSL
- BL
- ST
- RD
- FD
- BR
- BR
- FC
- CD
- BB
- CS/MF
- HB
- FH
- WH
- CI-DECK

Front Derailleur

Series		TOURNEY TZ	TOURNEY TZ
Model no.		FD-TZ500-DS6	FD-TZ510-DS6
Color	1	Series color	Series color
	2	-	-
Front speeds		3 (friction)	3 (friction)
Rear speeds		7/6	7/6
Compatible chain		HG-UG 7/6-speed	HG-UG 7/6-speed
Action	TOP SWING		-
	Down swing		X
	SIDE SWING		-
Mount	Clamp band (mm)	28.6	X
		31.8	X
		34.9	-
	E-type	With bottom bracket plate	-
		Without bottom bracket plate	-
Direct mount		-	
Cable route type	Dual-pull		-
	Top-pull exclusive		X
	Down-pull exclusive		X
	Front-pull		-
Chain line (mm)		47.5	47.5
Chainstay angle (deg.)		66-69	66-69
Top gear teeth		42T	48T
Total capacity		18T	20T
Applicable top-mid tooth difference		8T	10T
Multi access cable fixing screw		-	-
Angled stroke adjust screw		-	-
Angled clamp band design		-	-
Link bushings		-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-
Note			

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CI-DECK

Brake (Hydraulic Disc Brake)

Series		XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		BR-M9100	BR-M9110-R	BR-M9120	BR-M820	BR-M8100	BR-M8110-R	BR-M8120	BR-M8000
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-
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
Brake hose (kit)		SM-BH90-SS	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SB
Hose joint		Straight	Straight	Banjo	Banjo	Banjo	Straight	Banjo	Banjo
Brake hose color (kit)	1	Black	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		-	X	X	X	X	X	X	X
Pad	Standard 1	K03Ti Resin pad w/o fin (w/ titanium back plate)	K03Ti Resin (w/o fin)	N03A Resin pad (w/ radiator fin)	H01A Resin H03A Resin	G03A Resin (w/o fin)	K03S Resin (w/o fin)	N03A Resin (w/ fin)	G02A Resin G03A Resin
	Standard 2	K04Ti Metal pad w/o fin (w/ titanium back plate)	K04Ti Metal (w/o fin)	N04C Metal pad (w/ radiator fin)	H03C Metal	G04S Metal (w/o fin)	K04S Metal (w/o fin)	N04C Metal (w/ fin)	J02A Resin J03A Resin
	Option 1	-	-	-	-	J03A Resin (w/ fin)	L03A Resin (w/ fin)	D03S Resin (w/o fin)	G04S Metal
	Option 2	-	-	-	-	J04C Metal (w/ fin)	L04C Metal (w/ fin)	D02S Metal (w/o fin)	J04C Metal
Fixing screw spec for rear mount	10 mm mount	-	-	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-	-	-
	20 mm mount	-	X	-	-	-	X	-	-
	25 mm mount	-	X	-	-	-	X	-	-
	30 mm mount	-	X	-	-	-	X	-	-
35 mm mount	-	-	-	-	-	-	-	-	
Recommended brake lever		BL-M9100	BL-M9100	BL-M9120	BL-M820	BL-M8100 BL-T8100	BL-M8100	BL-M8100 BL-T8100	BL-M8000 BL-T8000
Recommended disc brake rotor		RT-MT900	RT-MT900	RT-MT900	SM-RT99 SM-RT86	RT-MT800	RT-MT800	RT-MT800	RT-MT800 SM-RT86
Compatible brake rotor size	140 mm (SS)	X	X	X	X	X	X	X	X
	160 mm (S)	X	X	X	X	X	X	X	X
	180 mm (M)	X	-	X	X	X	X	X	X
	203 mm (L)	-	-	X	X	X	-	X	X
	220 mm (LL)	-	-	-	-	-	-	-	-
Oil		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
Mount type		Post-type	Flat mount	Post-type	Post-type	Post-type	Flat mount	Post-type	Post-type
Piston		2	2	4	4	2	2	4	2
Caliper	MONO-BODY	X	-	-	-	-	-	-	-
	Tool size	** 4 mm	4 mm	** 4 mm	5 mm	5 mm	4 mm	5 mm	5 mm
Caliper fixing bolt	Anti loosen method	Wiring	Bolt fix pin/Snap ring	Wiring	Snap ring	Snap ring	Bolt fix pin/Snap ring	Snap ring	Snap ring
	Pad mount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 bolts, w/ resin pad)		312	341	385 (w/ radiator fin)	306** (w/ radiator fin)	392	417	410	402.5
Note		** Titanium	For rear only. 140 mm disc brake rotor direct mount	** Titanium	** Single item weight	-	For rear only.	-	-



Brake (Hydraulic Disc Brake)

Series	DEORE XT	SLX	SLX	SLX	DEORE	DEORE	DEORE	SHIMANO	
Model no.	BR-M8020	BR-M7100	BR-M7110-R	BR-M7120	BR-M6100	BR-M6120	BR-M6000	BR-MT520	
Color	1	Series color	Series color	Series color	Series color	Series Color	Series Color	Series Black	Black
	2	-	-	-	-	Black (SHIMANO logo) ***	Black (SHIMANO logo) ***	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	Hydraulic disc brake	
Brake hose (kit)	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SS	SM-BH90-SS	SM-BH90-SS	
Hose joint	Banjo	Banjo	Straight	Banjo	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	X	
ICE TECHNOLOGIES pad compatible caliper	X	X	X	X	X	-	X	-	
Pad	Standard 1	H01A Resin H03A Resin	G03S Resin (w/o fin)	K03S Resin (w/o fin)	D03S Resin (w/o fin)	G03S Resin	D03S Resin	G02S Resin, G03S Resin	D03S resin
	Standard 2	H03C Metal	G04S Metal (w/o fin)	K04S Metal (w/o fin)	N03A Resin (w/ fin)	J03A Resin	-	J02A Resin ** J03A Resin **	D02S Metal
	Option 1	D01S Resin D03S Resin	J03A Resin (w/ fin)	L03A Resin (w/ fin)	D02S Metal (w/o fin)	G04S Metal	D02S Metal	G04S Metal **	-
	Option 2	-	J04C Metal (w/ fin)	L04C Metal (w/ fin)	N04C Metal (w/ fin)	-	-	-	-
Fixing screw spec for rear mount	10 mm mount	-	-	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-	-	-
	20 mm mount	-	-	X	-	-	-	-	-
	25 mm mount	-	-	X	-	-	-	-	-
	30 mm mount	-	-	X	-	-	-	-	-
35 mm mount	-	-	-	-	-	-	-	-	
Recommended brake lever	BL-M8000	BL-M7100	BL-M7100	BL-M7100	BL-M6100	BL-M6100	BL-M6100 BL-MT501 BL-T6000	BL-MT501	
Recommended disc brake rotor	RT-MT800 SM-RT99 RT-EM810 RT-EM910	SM-RT70	SM-RT70	SM-RT70	SM-RT54* SM-RT56* SM-RT64 SM-RT66	SM-RT54* SM-RT56* SM-RT64 SM-RT66	SM-RT64 SM-RT66 SM-RT54 SM-RT56	SM-RT70	
Compatible brake rotor size	140 mm (SS)	X	X	X	X	X	X	X	X
	160 mm (S)	X	X	X	X	X	X	X	X
	180 mm (M)	X	X	X	X	X	X	X	X
	203 mm (L)	X	X	-	X	X	X	X	X
	220 mm (LL)	-	-	-	-	-	-	-	-
Oil	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	
Mount type	Post-type	Post-type	Flat mount	Post-type	Post-type	Post-type	Post-type	Post-type	
Piston	4	2	2	4	2	4	2	4	
Caliper	MONO-BODY	-	-	-	-	-	-	-	
	Tool size	5 mm	5 mm	4 mm	5 mm	5 mm	5 mm	5 mm	
Caliper fixing bolt	Anti loosen method	Snap ring	Snap ring	Bolt fix pin/Snap ring	Snap ring	Snap ring	Snap ring	Snap ring	
	Pad mount	Pad axle	Pad axle	Pad axle	Pad axle	Split pin Stainless Steel	Split pin Stainless Steel	Split pin (stainless steel)	Split pin
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 bolts, w/ resin pad)	-	425	443	444	-	-	-	-	
Note	-	-	For rear only.	-	*: Only compatible with resin pad	*: Only compatible with resin pad	J-Kit spec available * T6000 kit only ** M6000 kit only *** Both M6000 kit and T6000 kit	-	

MTB

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Di2 Spec



Brake (Hydraulic Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-MT500	BR-MT420	BR-MT410	BR-MT400	BR-MT200	BR-UR300
Color	1	Black	Black	Black (SHIMANO logo)	Black	Black	Black
	2	-	-	-	Silver	-	-
	3	-	-	-	-	-	-
Brake type		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-BH90-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
ICE TECHNOLOGIES pad compatible caliper		-	-	-	-	-	-
Pad	Standard 1	B03S resin	D03S Resin	B03S Resin	B03S Resin	B03S Resin	B03S Resin
	Standard 2	-	D02S Metal	-	-	-	-
	Option 1	-	-	-	-	-	-
	Option 2	-	-	-	-	-	-
	Fixing screw spec for rear mount	-	-	-	-	-	-
Fixing screw 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		BL-MT500	BL-MT401 BL-MT402-3A	BL-M4100	BL-MT400 BL-MT401 BL-MT402-3A	BL-MT201 BL-MT200	BL-MT201 BL-MT200
Recommended disc brake rotor		SM-RT54 SM-RT56	SM-RT30 * SM-RT54 * SM-RT56 * SM-RT64	SM-RT30* SM-RT54* SM-RT56*	SM-RT30 SM-RT54 SM-RT56	SM-RT10 SM-RT26	SM-RT10 SM-RT26
Compatible brake rotor size	140 mm (SS)	-	X	-	-	-	-
	160 mm (S)	X	X	X	X	X	X
	180 mm (M)	X	X	X	X	X	X
	203 mm (L)	-	X	X	-	-	-
	220 mm (LL)	-	-	-	-	-	-
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING		X	X	X	X	X	X
Mount type		Post-type	Post-type	Post-type	Post-type	Post-type	Flat mount
Piston		2	4	2	2	2	2
Caliper		MONO-BODY	-	-	-	-	-
Caliper fixing bolt	Tool size	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, bolt fix pin
Pad mount		Split pin (stainless steel)	Split pin	Split pin Stainless Steel	Split pin	Split pin	Split pin
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 bolts, w/ resin pad)		-	-	-	-	-	-
Note		-	* Only compatible with resin pad	* Only compatible with resin pad	-	-	-

Brake (Mechanical Disc Brake)

Series		SHIMANO	TOURNEY TX
Model no.		BR-M375	BR-TX805
Color	1	Black	Black
	2	-	-
	3	-	-
Brake type		Mechanical disc brake	Mechanical disc brake
ICE TECHNOLOGIES pad compatible caliper		-	-
Pad	Standard 1	B03S Resin	B03S 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 disc brake rotor		SM-RT10, SM-RT30, SM-RT26	SM-RT10, SM-RT26
Mount type (available for international standard 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 (g)		-	-
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 screw length (mm)	16 25
Fixing screw		Chamfered screw X
POWER MODULATOR		X (option SM-PM70)
Linear spring		X
Stainless cable fixing screw		X
Average weight (g)		184
Note		-

Crankset

Series		XTR	XTR	XTR	XTR	XTR	XTR	DEORE XT
Model no.		FC-M9100-2	FC-M9120-B2	FC-M9100-1	FC-M9120-1	FC-M9125-1	FC-M9130-1	FC-M8100-2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12 (Front double)	12 (Front double)	12	12	12	12	12 (Front double)
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain line (mm)		48.8	51.8	52	52	55	56.5	48.8
O.L.D. Thru (mm)		142	148	142, 148	142, 148	148	157	142
O.L.D. QR/Nut (mm)		135	141	135, 141	135, 141	-	-	135
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		38-28T	38-28T	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	32T, 34T	30T, 32T, 34T	36-26T
Q-factor (mm)		162	168	162	168	174	171	172
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	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	X
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	BB-MT800
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	BB-MT800-PA
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		597	616	551 (38T) 543 (36T) 544 (34T) 531 (32T) 528 (30T)	569 (38T) 561 (36T) 562 (34T) 548 (32T) 545 (30T)	587 (34T) 573 (32T)	577 (34T) 563 (32T) 560 (30T)	650
Note		-	-	-	-	-	-	-

MTB

TREKKING

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ROAD

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GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CH-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Crankset

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX
Model no.		FC-M8120-B2	FC-M8100-1	FC-M8120-1	FC-M8130-1	FC-M7100-2	FC-M7120-B2	FC-M7100-1
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12 (Front double)	12	12	12	12 (Front double)	12 (Front double)	12
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain line (mm)		51.8	52	55	56.5	48.8	51.8	52
O.L.D. Thru (mm)		148	142, 148	148	157	142	148	142, 148
O.L.D. QR/Nut (mm)		141	135, 141	141	-	135	141	135, 141
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		36-26T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T	36-26T	36-26T	30T, 32T, 34T
Q-factor (mm)		178	172	178	181	172	178	172
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	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-MT800	BB-MT800	BB-MT800	BB-MT800	BB-MT800	BB-MT800	BB-MT800
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA
	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		662	651 (36T) 633 (34T) 620 (32T) 622 (30T) 608 (28T)	660 (36T) 642 (34T) 628 (32T) 630 (30T) 616 (28T)	668 (36T) 650 (34T) 636 (32T) 639 (30T) 624 (28T)	673	684	646 (34T) 631 (32T) 634 (30T)
Note								

Crankset

Series		SLX	SLX	DEORE	DEORE	DEORE	SHIMANO	SHIMANO
Model no.		FC-M7120-1	FC-M7130-1	FC-M6100-1	FC-M6120-1	FC-M6130-1	FC-MT610-2	FC-MT610-B2
Color	1	Series color	Series color	Series Color	Series Color	Series Color	Black	Black
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12	12	12	12	12
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain line (mm)		55	56.5	52	55	56.5	48.8	51.8
O.L.D. Thru (mm)		148	157	142, 148	148	157	142	148
O.L.D. QR/Nut (mm)		141	-	135, 141	141	-	135	141
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		30T, 32T, 34T	30T, 32T, 34T	30T, 32T	30T, 32T	30T, 32T	36-26T	36-26T
Q-factor (mm)		178	181	172	178	181	172.9	178.9
Crank arm length (mm)	165	X	X	X (NEW)	X (NEW)	X (NEW)	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	-	-	-	-	-
2-PIECE CRANKSET		-	-	X	X	X	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-MT800	BB-MT800	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		653 (34T) 638 (32T) 641 (30T)	662 (34T) 647 (32T) 650 (30T)	-	-	-	-	-
Note								

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ROAD

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GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH

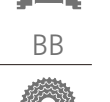
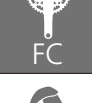


WH



CI-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Crankset

Series		SHIMANO	SHIMANO	SHIMANO	XTR	XTR	DEORE XT	DEORE XT
Model no.		FC-MT510-1	FC-MT511-1	FC-MT512-1	FC-M9020-B1	FC-M9020-B2	FC-M8000-B1	FC-M8000-B2
Color	1	Black	Black	Black	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12	11	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG-X11	HG-X11	HG-X11	HG-X11
Chain line (mm)		52	52	55	53.4	51.8	53.4	51.8
O.L.D. Thru (mm)		142, 148	142, 148	148	148	148	148	148
O.L.D. QR/Nut (mm)		135, 141	135, 141	141	141	141	141	141
P.C.D. (mm)		96	96	96	96	96/64	96	96/64
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		30T, 32T, 34T	30T, 32T	30T, 32T	32T, 30T	36-26T 34-24T	32T, 30T (SM-CRM81)	36-26T 34-24T
Q-factor (mm)		177	178.5	178.5	174	174	176	176
Crank arm length (mm)	165	-	X (NEW)	X	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	X	X	X	X
2-PIECE CRANKSET		X	X	X	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	X	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BB52	SM-BB52	SM-BB52	SM-BB93	SM-BB93	BB-MT800	BB-MT800
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	SM-BB94-41A	SM-BB94-41A	BB-MT800-PA	BB-MT800-PA
	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	601 (32T) 593 (30T)	664 (36-26T) 645 (34-24T)	698.0 (36T)	721.6 (36-26T)
Note					- Chain line 3 mm outboard, - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard - Only E type and D type front derailleur are compatible with the special frame.		- Chain line 3 mm outboard, - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard., - Only E type and D type front derailleur are compatible with the special frame.	- Chain line 3 mm outboard, - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard., - Only E type and D type front derailleur are compatible with the special frame.

Crankset

Series		DEORE	DEORE	DEORE	SHIMANO	SHIMANO	SAINT	SAINT
Model no.		FC-M5100-1	FC-M5100-2	FC-M5100-B2	FC-MT700-B2	FC-MT600-2	FC-M820	FC-M825
Color	1	Series Color	Series Color	Series Color	Black	Black	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		11 / 10	11	11	11	11	10	10
Compatible chain		HG-X11 11-speed HG-X 10-speed	HG-X11 11-speed	HG-X11 11-speed	HG-X11	HG-X11	HG-X 10-speed	HG-X 10-speed
Chain line (mm)		52	48.8	51.8	51.8	48.8	50.4	57.9
O.L.D. Thru (mm)		142, 148	142	148	148	142	142	150, 157
O.L.D. QR/Nut (mm)		135, 141	135	141	141	135	135	-
P.C.D. (mm)		96	96/64	96/64	96/64	96/64	104	104
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		30T, 32T	36-26T	36-26T	36-26T 34-24T	36-26T	38T, 36T, 34T (SM-CR82)	38T, 36T, 34T (SM-CR82)
Q-factor (mm)		178.5	178.5	178.5	175	177	178	193
Crank arm length (mm)	165	-	-	-	-	-	X	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	X	-	X	X
2-PIECE CRANKSET		X	X	X	-	X	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BB52	SM-BB52	SM-BB52	BB-MT800	BB-MT800	SM-BB80	SM-BB80
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT800-PA	BB-MT800-PA	SM-BB71-41A	SM-BB71-41C
	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	-
	73	X	X	X	X	X	X	-
	83	-	-	-	-	-	-	X
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	738.9 (36-26T) 712.4 (34-24T)	-	847 (38T) 837 (36T) 827 (34T)	858 (38T) 849 (36T) 838 (34T)
Note								For 83 mm bottom bracket shell width

MTB

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Di2 Spec



SL/SMSL



BL



ST



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FD



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BR



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CS/MF



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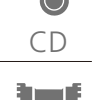


WH



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Crankset

Series		DEORE XT	ZEE	ZEE	DEORE	DEORE	DEORE	DEORE
Model no.		FC-M785	FC-M640	FC-M645	FC-M6000-2	FC-M4100-2	FC-M4100-B2	FC-M617
Color	1	Black	Series color	Series color	Series Black	Series Color	Series Color	Black
	2	Silver	-	-	-	-	-	Silver
Rear speeds		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
Chain line (mm)		48.8	50.4	57.9	48.8	48.8	51.8	48.8
O.L.D. Thru (mm)		142	142	150, 157	142	142	148	142
O.L.D. QR/Nut (mm)		135	135	-	135	135	141	135
P.C.D. (mm)		104/64	104	104	96/64	96/64	96/64	104/64
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		40-28T 38-26T 38-24T	38T, 36T, 34T (FC-M640/M645 chainring)	38T, 36T, 34T (FC-M640/M645 chainring)	38-28T 36-26T 34-24T	36-26T	36-26T	38-24T 36-22T
Q-factor (mm)		175	174.7	189.7	176	178.5	178.5	176
Crank arm length (mm)	165	X	X	X	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	-	-	X	-	-	-
2-PIECE CRANKSET		-	X	X	-	X	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	-	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52	SM-BB52
	Threaded (E-type)	-	SM-BB52	SM-BB52	-	-	-	SM-BB52
	Threaded (chain case)	-	-	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Press-Fit	SM-BB71-41A	SM-BB71-41A	SM-BB71-41C	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	-	X	X	X	X
	73	X	X	-	X	X	X	X
	83	-	-	X	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		727.6 (40-28T) 717.6 (38-26T) 715.8 (38-24T)	828 (38T) 817 (36T) 807 (34T)	858 (38T) 847 (36T) 837 (34T)	-	-	-	-
Note				For 83 mm bottom bracket shell width				

Crankset

Series		DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-M617-B2	FC-MT500-2	FC-MT500-3	FC-M627-B	FC-MT210-3	FC-MT210-2	FC-MT210-B2
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	Silver	-	-	-	-	-	-
Rear speeds		10	10	10	10	9	9	9
Compatible chain		HG-X	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed
Chain line (mm)		51.8	48.8	50	51.8	50	48.8	51.8
O.L.D. Thru (mm)		148	142	142	148	142	142	148
O.L.D. QR/Nut (mm)		141	135	135	141	135	135	141
P.C.D. (mm)		104/64	96/64	96/64	104/64	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		36-22T	36-26T	40-30-22T	36-22T	44-32-22T 40-30-22T	46-30T 36-22T	36-22T
Q-factor (mm)		176	177	177	176	176	176	176
Crank arm length (mm)	165	-	-	-	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	X	-	X	X (46-30T) - (36-22T)	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	X	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BB52	SM-BB52	SM-BB52	SM-BB52	BB-MT500	BB-MT500	BB-MT500
	Threaded (E-type)	SM-BB52	-	SM-BB52	SM-BB52	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	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/E5 (mm)	Threaded (normal)	-	-	-	-	-	-	-
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	X	-	-
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	-	-	-	-
Note				* It is fixed on the threaded middle ring.		SHIMANO logo	-	Chain line 3 mm outboard

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Crankset

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-MT200	FC-MT101-2	FC-MT101-B2	FC-MT101	FC-M371	FC-M315-2	FC-M315-B2
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	-
Rear speeds		9	9	9	9	9	8/7	8/7
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG for 9-speed	HG 8/7-speed	HG 8/7-speed
Chain line (mm)		50	48.8	51.8	50	50	48.8	51.8
O.L.D. Thru (mm)		142	142	148	142	142	142	148
O.L.D. QR/Nut (mm)		135	135	141	135	135	135	141
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		40-30-22T	36-22T	36-22T	44-32-22T 40-30-22T	44-32-22T 48-36-26T	36-22T	36-22T
Q-factor (mm)		176	179.4	179.4	179.2	180.5	179.4	179.4
Crank arm length (mm)	165	-	-	-	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	X	-	-	X	X	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	-	-	-	-	-	-
	OCTALINK	-	-	-	-	-	-	-
	Square	-	X	X	X	X	X	X
Recommended bottom bracket	Threaded (normal)	BB-MT500	BB-UN101	BB-UN101	BB-UN101	BB-UN300	BB-UN101	BB-UN101
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	BB-UN300-K	-	-
	Press-Fit	BB-MT500-PA	-	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	LL123	LL123	LL123	LL123	LL123	LL123
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	LL123-K	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	X	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		X	X	X	X (Option)	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	-	-	-	-
Note		SHIMANO logo	SHIMANO logo	SHIMANO logo Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo	SHIMANO logo	SHIMANO logo, Chain line 3 mm outboard

Crankset

Series		TOURNEY TX	SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		FC-TX801	FC-TY501-2	FC-TY501	FC-TY301	FC-MX71
Color	1	Black	Black	Black	Black	Series color
	2	Silver	-	Silver	-	-
Rear speeds		8/7/6	8/7	8/7/6	8/7/6	1
Compatible chain		HG for 8/7-speed	HG 8/7-speed	HG/UG for 8/7/6-speed	HG/UG for 8/7/6-speed	Single speed
Chain line (mm)		50	48.8	47.5/47.5 + t/50	47.5/47.5 + t/50	44
O.L.D. Thru (mm)		142	142	142	142	142
O.L.D. QR/Nut (mm)		135	135	135	135	135
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	104/64
Spider/gear arms		4	4	4	4	4
Chaining combination		48-38-28T 42-32-22T	46-30T	48-38-28T 42-34-24T	48-38-28T 42-34-24T	34T, 38T, 41T, 42T, 43T, 44T, 46T
Q-factor (mm)		187.9	185.5	185.5	181.5	173
Crank arm length (mm)	165	X	-	X	-	X
	167.5	-	-	-	-	-
	170	X	X	X	X	X
	172.5	-	-	-	-	-
	175	X	X	X	X	X
	177.5	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-
	With chain guard	X	X	X (integrated type)	X (integrated type)	-
	Without chain/bash guard	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	X
2-PIECE CRANKSET		-	-	-	-	X
HOLLOWTECH crank arm		-	-	-	-	X
OCTALINK		-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-
Compatible bottom bracket type	Outboard	-	-	-	-	X
	OCTALINK	-	-	-	-	-
	Square	X	X	X	X	-
Recommended bottom bracket	Threaded (normal)	BB-UN101	BB-UN101	BB-UN101, BB-UN300	BB-UN101, BB-UN300	-
	Threaded (E-type)	-	-	-	-	-
	Threaded (chain case)	BB-UN101-K	-	BB-UN101-K, BB-UN300K	BB-UN101-K, BB-UN300K	-
	Press-Fit	-	-	-	-	-
Axle length of BB-UN/E5 (mm)	Threaded (normal)	LL123	LL123	D-NL, *D-EL	D-NL, *D-EL	-
	Threaded (E-type)	-	-	-	-	-
	Threaded (chain case)	LL123-K	-	D-NL K	D-NL K	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X
	73	X	X	X	X	X
	83	-	-	-	-	-
Chain case compatible		X	-	X	X	-
Stainless chain guard fixing screw		-	-	-	-	-
Crank fixing screw included		X	X	X (Option)	-	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	-	765 (w/o chaining)
Note				* Bottom bracket spec. for chain line 50 mm	150 mm spec. available for 42-34-22T (Black) * Bottom bracket Spec for Chain line 50 mm	BMX racing 68 mm bottom bracket shell width

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- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Chain Device

Series	SHIMANO	SHIMANO	SHIMANO	SAINT
Model no.	SM-CD800-D	SM-CD800-E	SM-CD800-I	SM-CD50
Color	Black	Black	Black	Series color
Spec	Single	Single	Single	w/ One guard
Compatible chain	CN-M9100	CN-M9100	CN-M9100	9/10-speed
Chain line (mm)	52	52	52/55/56.5	50.4/57.9
Top gear teeth	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	38T, 36T, 34T
Assumed rear sprocket teeth	10-45T 10-51T	10-45T 10-51T	10-45T 10-51T	11-23T, 36T
Mount	D-type	E-type	ISCG05	ISCG03 ISCG05
Rear suspension stroke	-	-	-	0 - 250 mm
Chain stay angle (deg.)	63 - 75	63 - 75	63 - 75	-
Back plate	Resin	Resin	Aluminum	Aluminum
Chainguide	Resin	Resin	Resin	Aluminum
Average weight (g)	28	25	33	-
Note				

Chainring

Series	XTR	DEORE XT	SLX	DEORE XT	SLX	SHIMANO	SHIMANO
Model no.	SM-CRM95	SM-CRM85	SM-CRM75	SM-CRM81	SM-CRM70	SM-CR82	SM-CR80-A
Color	1 Standard	Standard	Standard	Standard	Standard	Black	Black
	2 -	-	-	-	-	-	-
	3 -	-	-	-	-	-	-
Gear speed	1	1	1	1	1	1	1
Rear speed	12-speed	X	X	X	-	-	-
	11-speed	-	-	-	X	X	-
	10-speed	-	-	-	-	-	X
	9-speed	-	-	-	-	-	-
	Single	-	-	-	-	-	X
DYNAMIC CHAIN ENGAGEMENT+	X	X	X	X	X	-	-
Chainring teeth	46T	-	-	-	-	-	X
	44T	-	-	-	-	-	X
	43T	-	-	-	-	-	X
	42T	-	-	-	-	-	X
	41T	-	-	-	-	-	X
	40T	-	-	-	-	-	-
	38T	X	-	-	-	-	X
	36T	X	X	-	-	-	X
	34T	X	X	X	X	X	X
	32T	X	X	X	X	X	-
	30T	X	X	X	X	X	-
	28T	-	X	-	-	-	-
	Double	-	-	-	-	-	-
Single	-	-	-	-	-	-	
w/o Chain guard	X	X	X	X	X	X*	X
P.C.D. (mm)	-	-	-	96	96	104	104
Note						* SM-CD50 bash guard is compatible	

Bottom Bracket (HOLLOWTECH II)

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BB93	SM-BB94-41	SM-BB80	SM-BB71-41	BB-MT800	BB-MT800-P	BB-MT500	BB-MT500-P	SM-BB52
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	X	-	X	-	X	-	X	-
	Press-Fit type	-	X	-	X	-	X	-	X
Threaded bottom bracket shell width (mm)	68	X	-	X	-	X	-	X	-
	73	X	-	X	-	X	-	X	-
	83	-	-	X	-	-	-	-	-
	84.5	-	-	-	-	-	-	-	-
Press-Fit bottom bracket shell width (mm)	89.5	-	X (SM-BB94-41A)	-	X (SM-BB71-41A)	-	X (BB-MT800-PA)	-	X (BB-MT500-PA)
	92	-	X (SM-BB94-41A)	-	X (SM-BB71-41A)	-	X (BB-MT800-PA)	-	X (BB-MT500-PA)
	104.5	-	-	-	X (SM-BB71-41C)	-	-	-	-
	107	-	-	-	X (SM-BB71-41C)	-	X (BB-MT800-PC)	-	-
Small ball bearing	X	X	-	-	-	-	-	-	-
Average weight (g)	73	58	95 (68/73 mm) 96 (83 mm)	71 (89.5/92 mm) 73 (104.5/107 mm)	82	68.2	-	-	-
Note			Gold color for SAINT						



Bottom Bracket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		BB-ES300	BB-ES300-E	BB-ES300-K	BB-ES51	BB-ES51-E	BB-ES51-K	
Structure	Standard	X	-	-	X	-	-	
	E-type	-	X	-	-	X	-	
	For chain case	-	-	X	-	-	X	
Spindle	Hollow pipe	X	X	X	X	X	X	
	OCTALINK	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	-	-
		70 (M36)	-	-	-	-	-	-
		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				* w/ 0.7 mm spacer				

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CI-DECK

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  **BB**
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

Bottom Bracket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-E551-AK	BB-UN300	BB-UN300-K	BB-UN300-E	BB-UN101	BB-UN101-K
Structure	Standard	-	X	-	-	X	-
	E-type	-	-	-	X	-	-
	For chain case	X	-	X	-	-	X
Spindle	Hollow pipe	X	-	-	-	-	-
	OCTALINK	X	-	-	-	-	-
	Square type	-	X	X	X	X	X
Axle length/shell width (mm)	107	68 (BC1.37)	-	X	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	MM110	68 (BC1.37)	-	X **	X	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	LL113	68 (BC1.37)	-	X **	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	X	-	-	-
	113	68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	D-H	68 (BC1.37)	-	X *	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-
	117.5	68 (BC1.37)	-	X **	X	-	-
	118	68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	XL118	68 (BC1.37)	-	X **	X *	-	-
		70 (M36)	-	-	-	-	-
		73 mm	-	X	-	-	-
	121	68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	126	68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-
	D-NL 122	68 (BC1.37)	-	X **	X **	-	X *
70 (M36)		-	-	-	-	-	
73 (BC1.37)		-	X *	-	-	-	
D-EL 127	68 (BC1.37)	-	X *	X	-	-	
	70 (M36)	-	-	-	-	-	
	73 (BC1.37)	-	-	-	-	-	
LL123	68 (BC1.37)	-	X	X ***	X	X	
	70 (M36)	-	-	-	-	-	
	73 (BC1.37)	-	X	-	-	X	
123SP	68 (BC1.37)	-	-	-	-	-	
130	68 (BC1.37)	-	-	-	-	-	
Note		For FC-M521 only	* w/ Crank arm fixing bolts spec. only ** w/ Crank arm fixing bolts spec. is available	* w/ Crank arm fixing bolts spec. only ** w/ Crank arm fixing bolts spec. is available *** w/ 0.7mm spacer	-	* w/ Crank arm fixing bolts spec. is available	* w/ Crank arm fixing bolts spec. is available ** w/ 0.7 mm spacer

Cassette Sprocket

Series		XTR	DEORE XT	SLX	DEORE	DEORE XT	SLX
Model no.		CS-M9101-12	CS-M8100-12	CS-M7100-12	CS-M6100-12	CS-M8000	CS-M7000-11
Type		HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HG	HG
Rear speeds		12-speed	12-speed	12-speed	12-speed	11-speed	11-speed
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG-X11, CN-LG 11-speed	HG-X11, CN-LG 11-speed
Combination name (Group name)		10-45T 10-51T	10-45T 10-51T	10-45T 10-51T	10-51T	11-40T (bs) 11-42T (bt) 11-46T (bu)	11-40T (bs) 11-42T (bt) 11-46T (bu)
Combination * Titanium gear	1	10-12-14-16-18-21-24-28-32-36-40-45T	10-12-14-16-18-21-24-28-32-36-40-45T	10-12-14-16-18-21-24-28-32-36-40-45T	10-12-14-16-18-21-24-28-33-39-45-51T	11-13-15-17-19-21-24-27-31-35-40**T (bs)	11-13-15-17-19-21-24-27-31-35-40**T (bs)
	2	10-12-14-16-18-21-24-28-33-39-45-51T	10-12-14-16-18-21-24-28-33-39-45-51T	10-12-14-16-18-21-24-28-33-39-45-51T	-	11-13-15-17-19-21-24-28-32-37-42**T (bt)	11-13-15-17-19-21-24-28-32-37-42**T (bt)
	3	-	-	-	-	11-13-15-17-19-21-24-28-32-37**-46**T (bu)	11-13-15-17-19-21-24-28-32-37**-46**T (bu)
	4	-	-	-	-	-	-
	5	-	-	-	-	-	-
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
Spline type	MICRO SPLINE	X	X	X	X	-	-
	HG spline (ROAD 11-speed)	-	-	-	-	X	X
	HG spline (MTB 7-speed)	-	-	-	-	-	-
	HG spline (Others)	-	-	-	-	X	X
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	1	1	1	2	1
Steel spider arm	QTY (pcs)	-	-	-	-	-	-
Titanium gear	QTY (pcs)	5	-	-	-	-	-
Aluminum gear	QTY (pcs)	3	2	1	-	2	1 (11-40T) 1 (11-42T) 2 (11-46T)
Steel gear	QTY (pcs)	4	10	11	12	9	10 (11-40T) 10 (11-42T) 9 (11-46T)
Average weight (g)		357 (10-45T) 367 (10-51T)	461 (10-45T) 470 (10-51T)	513 (10-45T) 534 (10-51T)	-	411 (11-40T) 434 (11-42T) 437 (11-46T)	450 (11-40T) 476 (11-42T) 482 (11-46T)
Note		-	-	-	-	** Aluminum gear	** Aluminum gear

Series		DEORE	SHIMANO	DEORE XT	DEORE	SHIMANO	SHIMANO
Model no.		CS-M5100-11	CS-LG600-11	CS-M771-10	CS-M4100-10	CS-HG50-10	CS-LG600-10
Type		HG	LG	HG	HG	HG	LG
Rear speeds		11-speed	11-speed	10-speed	10-speed	10-speed	10-speed
Compatible chain		HG-X11, CN-LG 11-speed	HG-X11, CN-LG 11-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X11, CN-LG 11-speed
Combination name (Group name)		11-42T 11-51T	11-50T	11-32T (bL) 11-34T (bJ) 11-36T (bK)	11-42T 11-46T	11-36T (bK)	11-43T
Combination * Titanium gear	1	11-13-15-17-19-21-24-28-32-37-42T	11-13-15-17-20-23-26-30-36-43-50T	11-12-14-16-18-20-22-25-28-32T (bL)	11-13-15-18-21-24-28-32-37-42T	11-13-15-17-19-21-24-28-32-36T (bK)	11-13-15-17-20-23-26-30-36-43T
	2	11-13-15-18-21-24-28-33-39-45-51T	-	11-13-15-17-19-21-23-26-30-34T (bJ)	11-13-15-18-21-24-28-32-37-46T	-	-
	3	-	-	11-13-15-17-19-21-24-28-32-36T (bK)	-	-	-
	4	-	-	-	-	-	-
	5	-	-	-	-	-	-
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline (ROAD 11-speed)	X	X	X	X	X	X
	HG spline (MTB 7-speed)	-	-	-	-	-	-
	HG spline (Others)	X	X	X	X	X	X
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	-	2	-	-	-
Steel spider arm	QTY (pcs)	-	1	-	1	1	1
Titanium gear	QTY (pcs)	-	-	-	-	-	-
Aluminum gear	QTY (pcs)	-	-	-	-	-	-
Steel gear	QTY (pcs)	11	11	10	10	10	10
Average weight (g)		-	-	294 (11-32T) 323 (11-34T) 343 (11-36T)	-	-	-
Note		-	-	-	-	-	-

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec

Cassette Sprocket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-HG400-9	CS-HG201-9	CS-HG200-9	CS-HG51-8	CS-HG41-8	CS-HG31-8
Type		HG	HG	HG	HG	HG	HG
Rear speeds		9-speed	9-speed	9-speed	8-speed	8-speed	8-speed
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed	IG/HG	IG/HG	IG/HG
Combination name (Group name)		11-28T (bg) 11-32T (ar) 11-34T (au) 12-36T (bh) 11-36T (cb)	11-32T (bo) 11-34T (bn) 11-36T (bw)	11-32T (bo) 11-34T (bn) 11-36T (bw)	11-28T (bf) 11-30T (an) 11-32T (aw)	11-30T (an) 11-32T (aw) 11-34T (ao)	11-30T (an) 11-32T (aw) 11-34T (ao)
Combination * Titanium gear	1	11-12-13-14-16-18-21-24-28T (bg)	11-13-15-17-19-21-24-28-32T (bo)	11-13-15-17-19-21-24-28-32T (bo)	11-13-15-17-19-21-24-28T (bf)	11-13-15-17-20-23-26-30T (an)	11-13-15-17-20-23-26-30T (an)
	2	11-12-14-16-18-21-24-28-32T (ar)	11-13-15-17-20-23-26-30-34T (bn)	11-13-15-17-20-23-26-30-34T (bn)	11-13-15-17-20-23-26-30T (an)	11-13-15-18-21-24-28-32T (aw)	11-13-15-18-21-24-28-32T (aw)
	3	11-13-15-17-20-23-26-30-34T (au)	11-13-15-17-20-23-26-30-36T (bw)	11-13-15-17-20-23-26-30-36T (bw)	-	-	-
	4	12-14-16-18-21-24-28-32-36T (bh)	-	-	-	-	-
	5	11-13-15-17-20-23-26-30-36T (cb)	-	-	-	-	-
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline (ROAD 11-speed)	X	X	X	X	X	X
	HG spline (MTB 7-speed)	-	-	-	-	-	-
	HG spline (Others)	X	X	X	X	X	X
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	-	-	-	-
Titanium gear	QTY (pcs)	-	-	-	-	-	-
Aluminum gear	QTY (pcs)	-	-	-	-	-	-
Steel gear	QTY (pcs)	9	9	9	8	8	8
Average weight (g)		-	-	-	-	-	-
Note							

Series		SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		CS-HG200-8	CS-HG41-7	CS-HG200-7	CS-MX66
Type		HG	HG	HG	Single sprocket for FH-MX70
Rear speeds		8-speed	7-speed	7-speed	Single
Compatible chain		HG 8-speed	IG/HG	IG/HG	1/2 x 3/32
Combination name (Group name)		12-32T (br)	11-28T (ac)	12-28T (bm) 12-32T (bp)	-
Combination * Titanium gear	1	12-14-16-18-21-24-28-32T (br)	11-13-15-18-21-24-28T (ac)	12-14-16-18-21-24-28T (bm)	-
	2	-	-	12-14-16-18-21-26-32T (bp)	-
	3	-	-	-	-
	4	-	-	-	-
	5	-	-	-	-
	6	-	-	-	-
	7	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-
	HG spline (ROAD 11-speed)	X	-	-	-
	HG spline (MTB 7-speed)	-	X	X	-
	HG spline (Others)	X	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	-	-
Titanium gear	QTY (pcs)	-	-	-	-
Aluminum gear	QTY (pcs)	-	-	-	-
Steel gear	QTY (pcs)	8	8	7	1
Average weight (g)		-	-	-	-
Note					For BMX racing

SL/SMSL
BL
ST
RD
FD
BR
BR
FC
CD
BB
CS/MF
HB
FH
WH
CI-DECK

Multiple Freewheel

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.	MF-TZ500-7	MF-TZ510-7	MF-TZ500-6	MF-TZ510-6	
Type	HG/UG	HG/UG	HG/UG	HG/UG	
Rear speeds	7-speed	7-speed	6-speed	6-speed	
Compatible chain	HG/UG	HG/UG	HG/UG	HG/UG	
Combination name (Group name)	14-28T 14-34T	14-28T 14-34T	14-28T	14-28T	
Combination * Titanium gear	1	14-16-18-20-22-24-28T	14-16-18-20-22-24-28T	14-16-18-21-24-28T	14-16-18-21-24-28T
	2	14-16-18-20-22-24-34T	14-16-18-20-22-24-34T	-	-
	3	-	-	-	-
	4	-	-	-	-
	5	-	-	-	-
Spider arm	QTY (pcs)	-	-	-	-
Spoke protector	w/ Spoke protector	X	X	X	X
	w/o Spoke protector	X	X	X	X
Aluminum lock ring	-	-	-	-	
Note					

Front Hub (Disc Brake)

Series	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT
Model no.	HB-M9110	HB-M9110-B	HB-M9110-B5	HB-M820	HB-M8110	HB-M8110-B
Color	Series color	Series color	Series color	Series color	Series color	Series color
	1 Hub shell	-	-	-	-	-
	1 Quick release	-	-	-	-	-
2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-
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
O.L.D. (mm)	100	110	110	110	100	110
Spoke hole	28H	X	X	X	X	X
	32H	X	X	-	X	X
	36H	-	-	-	X	X
External serration disc brake rotor lock ring	With	-	-	X	-	-
	Without	X	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-
Axle fixing method	15 mm E-THRU	15 mm E-THRU	15 mm E-THRU	20 mm Thru	15 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	-	-	-
	133	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	X	-	-	X	-
	110 x 15	-	X	X	-	X
	110 x 20	-	-	-	X	-
Flange distance (mm)	60.2	70.2	62.76	61.6	60.2	70.2
Offset (mm)	5.4	5.4	3.63	5.6	5.7	5.7
P.C.D. left / right (mm)	44/44	44/44	45	52	44/44	44/44
Flange diameter left / right (mm)	52.8	52.8	51	59.6	52.8	52.8
Seal	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	-	-
Internal grease sleeve	-	-	-	-	X	X
Bearing	Cartridge	-	-	-	-	-
Average weight (g)	132	137	146	202	142	147
Note	-	-	For straight spoke ERD: 550 - 610 mm Rim offset: 0 - 3 mm Intersections: 3 cross only including spoke heads in hub shell. Some spoke calculators may call this 2 cross. Contact the nearest SHIMANO sales office for more information	Axle is supplied with front fork.		

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH

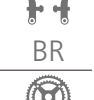


WH



CI-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Front Hub (Disc Brake)

Series	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX
Model no.	HB-M8110-B5	HB-M8000	HB-M8010	HB-M8010-B	HB-M756	HB-M7110
Color	1 Hub shell	Series color	Series color	Series color	Series color	Black
	1 Quick release	-	Series color	-	-	Black
	2 Hub shell	-	-	-	-	Silver
	2 Quick release	-	-	-	-	Silver
Brake type	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	CENTER LOCK disc brake
O.L.D. (mm)	110	100	100	110	100	100
Spoke hole	28H	X	-	-	-	X
	32H	-	X	X	X	X
	36H	-	-	X	-	X
External serration disc brake rotor lock ring	With	-	-	-	-	-
	Without	X	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-
Axle fixing method	15 mm E-THRU	Quick release	15 mm E-THRU	15 mm E-THRU	Quick release	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	-	-	-
	133	-	X	-	-	X
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X	-	X
	110 x 15	X	-	-	X	-
	110 x 20	-	-	-	-	-
Flange distance (mm)	62.8	60.2	60.2	70.2	59.4	60.2
Offset (mm)	3.7	6	5.4	5.4	5.5	5.7
P.C.D. left / right (mm)	45/45	44/41	44/44	44/44	61	44/44
Flange diameter left / right (mm)	51	52.8/51.4	52.8	52.8	70.6	52.8
Seal	-	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Internal grease sleeve	X	X	X	X	-	X
Bearing	Cartridge	-	-	-	-	-
Average weight (g)	158	167	148	158	239	142
Note	For straight spoke ERD: 550 - 610 mm Rim offset: 0 - 3 mm Intersections: 3 cross only including spoke heads in hub shell. Some spoke calculators may call this 2 cross. Contact the nearest SHIMANO sales office for more information		-	Axle is supplied with front fork.	-	Spoke hole 24H spec. available.

Series	SLX	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO
Model no.	HB-M7110-B	HB-M6000	HB-M6010	HB-MT410	HB-MT410-B	HB-M525A
Color	1 Hub shell	Series color	Series Black	Series Black	Black	Black
	1 Quick release	-	Series Black	-	-	Black
	2 Hub shell	-	-	-	-	Silver
	2 Quick release	-	-	-	-	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
O.L.D. (mm)	110	100	100	100	110	100
Spoke hole	28H	X	-	-	X	-
	32H	X	X	X	X	X
	36H	-	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-
	Without	X	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-
Axle fixing method	15 mm E-THRU	Quick release	15 mm E-THRU	15 mm E-THRU	15 mm E-THRU	Quick release
Quick release skewer length (mm)	129	-	-	-	-	-
	133	-	X	-	-	X
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X	-	-
	110 x 15	X	-	-	X	-
	110 x 20	-	-	-	-	-
Flange distance (mm)	70.2	60.2	60.2	60.2	70.2	59.2
Offset (mm)	5.7	5.6	5.3	5.3	5.3	5.7
P.C.D. left / right (mm)	44/44	44	44	44/44	44/44	61/61
Flange diameter left / right (mm)	52.8	52.8	52.8	52.8	52.8	70.6
Seal	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Internal grease sleeve	X	-	X	-	-	-
Bearing	Cartridge	-	-	X	X	-
Average weight (g)	147	-	-	-	-	-
Note	-					

Front Hub (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		HB-M475	HB-M4050	HB-M3050	HB-MT400	HB-MT400-B	HB-MT200
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	-	-	Black
	2 Hub shell	Silver	Silver	-	-	-	-
	2 Quick release	Silver	Silver	-	-	-	-
Brake type		6-bolt 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	100	110	100
Spoke hole	28H	-	-	-	-	X	X
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	X	X	X	X	X
CENTER LOCK mount cover option		-	-	-	-	-	-
Axle fixing method		Quick release	Quick release	Quick release	15 mm E-THRU	15 mm E-THRU	Quick release
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	X	X	X	-	-	X
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	X	-	-
	110 x 15	-	-	-	-	X	-
	110 x 20	-	-	-	-	-	-
Flange distance (mm)		59.2	60.2	60.2	60.2	70.2	60.2
Offset (mm)		5.5	5.6	5.5	5.3	5.3	5.3
P.C.D. left / right (mm)		61/61	44/44	44/44	44/44	44/44	44/44
Flange diameter left / right (mm)		70.6	52.8	52.8	52.8	52.8	52.8 (32H/36H) 53.8 (28H)
Seal		Contact	Labyrinth & Contact	Contact	Labyrinth & Contact	Labyrinth & Contact	Contact
Internal grease sleeve		-	-	-	X	-	-
Bearing	Cartridge	-	-	-	-	-	-
Average weight (g)		-	-	-	-	-	-
Note		-	-	-	-	-	-

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		HB-RM35	HB-TX505	HB-TX506
Color	1 Hub shell	Black	Black	Black
	1 Quick release	Black	Black	Black
	2 Hub shell	-	-	-
	2 Quick release	-	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake
O.L.D. (mm)		100	100	100
Spoke hole	28H	X	X	-
	32H	X	X	X
	36H	X	X	X
External serration disc brake rotor lock ring	With	-	-	-
	Without	X	X	-
CENTER LOCK mount cover option		-	-	-
Axle fixing method		Quick release	Quick release	Quick release
Quick release skewer length (mm)	129	-	X	-
	133	X	X	X
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-
	110 x 15	-	-	-
	110 x 20	-	-	-
Flange distance (mm)		60.2	60.2	58.1
Offset (mm)		5.5	5.3	5.3
P.C.D. left / right (mm)		44/44	44/44	61/61
Flange diameter left / right (mm)		52.8	52.8 (32H/36H) 53.8 (28H)	70.6
Seal		Contact	Contact	Contact
Internal grease sleeve		-	-	-
Bearing	Cartridge	-	-	-
Average weight (g)		-	-	-
Note		-	-	-

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Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CH-DECK

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Di2 Spec

Front Hub (Rim Brake)

Series		SHIMANO	SHIMANO
Model no.		HB-TX500-QR	HB-TX500-NT
Color	1 Hub Shell	Black	Black
	1 Quick release	Black	Black
	2 Hub Shell	Silver	Silver
	2 Quick release	Black	Black
Brake type		Rim brake	Rim brake
O.L.D. (mm)		100	100
Spoke hole	28H	-	-
	32H	X	X
	36H	X	X
External serration disc brake rotor lock ring	With	-	-
	Without	X	X
CENTER LOCK mount cover option		-	-
Axle fixing method		Quick release	Nut
Quick release 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		-	-
Average weight (g)		-	-
Note			



FREEHUB (Disc Brake)

Series	XTR	XTR	XTR	SAINT	SAINT	DEORE XT	DEORE XT
Model no.	FH-M9111	FH-M9111-B	FH-M9111-BS	FH-M820	FH-M825	FH-M8110	FH-M8110-B
Color	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
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
Rear speeds	12-speed	12-speed	12-speed	8-10-speed, MTB 11-speed	8-10-speed, MTB 11-speed	12-speed	12-speed
O.L.D. (mm)	142	148	148	135	150	142	148
Spoke hole	28H	X	X	X	-	X	X
	32H	X	X	-	X	X	X
	36H	-	-	-	X	X	X
10 tooth cog compatible	X	X	X	-	-	X	X
External serration disc brake rotor lock ring	With	-	-	-	X	X	-
	Without	X	X	X	-	-	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	X	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-	-
Axle fixing method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Thru	Thru	12 mm E-THRU	12 mm E-THRU
Quick release skewer length (mm)	166	-	-	-	-	-	-
	168	-	-	-	-	-	-
	170	-	-	-	-	-	-
	172	-	-	-	-	-	-
	173	-	-	-	-	-	-
	174	-	-	-	-	-	-
	176	-	-	-	-	-	-
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	-	-	X
	150 x 12	-	-	-	-	X	-
	157 x 12	-	-	-	-	-	-
Flange distance (mm)	55.89	63.06	56.0	57.4	72.4	55.17	62.16
Offset (mm)	7.05	7.02	6.8	6.4	6.6	6.72	6.6
P.C.D. left / right (mm)	50/61	47.25/61	45/61	44/45	44/45	61/61	60/61
Flange diameter left / right (mm)	59/70	56.25/70	51/68.4	52.8/53.8	52.8/53.8	69.8/69.8	68.8/69.8
Splines type	MICRO SPLINE	X	X	X	-	-	X
	HG spline (Road 11-speed)	-	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-	-
	HG spline (Others)	-	-	-	X	X	-
Engagement type	Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Direct engagement	Direct engagement
Quick engagement	X (max 7.0 deg.)	X (max 7.0 deg.)	X (max 7.0 deg.)	X (more than 36 times/ 360 deg.)	X (more than 36 times/ 360 deg.)	X (max 7.0 deg.)	X (max 7.0 deg.)
Seal	Hub	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	-	-
Bearing	Cartridge	-	-	-	-	-	-
Average weight (g) (w/o axle, quick release nor lock ring)	237	238	241	347 (ø10) 333 (ø12)	348	305	307
Note				* For straight spoke, Lacing pattern limited to 3-cross, non-offset rim For details, refer to Products Technical Information			

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- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

FREEHUB (Disc Brake)

Series	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	
Model no.	FH-M8110-B5	FH-M8130-B	FH-M8000	FH-M8010	FH-M8010-B	FH-M756	FH-M7110	
Color	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Black	Series color
	1 Quick release	-	-	Series color	-	-	Black	-
	2 Hub shell	-	-	-	-	-	Silver	-
	2 Quick release	-	-	-	-	-	Black	-
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	CENTER LOCK disc brake	
Rear speeds	12-speed	12-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	12-speed	
O.L.D. (mm)	148	157	135	142	148	135	142	
Spoke hole	28H	X	X	-	-	-	-	X
	32H	-	X	X	X	X	X	X
	36H	-	-	-	X	-	X	X
10 tooth cog compatible	X	X	-	-	-	-	X	
External serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	X	-	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	X	-	X
CENTER LOCK mount cover option	-	-	-	-	-	-	-	
Axle fixing method	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	
Quick release skewer length (mm)	166	-	-	-	-	-	-	
	168	-	-	X	-	-	X	
	170	-	-	-	-	-	-	
	172	-	-	-	-	-	-	
	173	-	-	X	-	-	X	
	174	-	-	-	-	-	-	
	176	-	-	-	-	-	-	
	178	-	-	-	-	-	-	
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-	
	135 x 12	-	-	-	-	-	-	
	142 x 12	-	-	-	X	-	X	
	148 x 12	X	-	-	-	X	-	
	150 x 12	-	-	-	-	-	-	
157 x 12	-	X	-	-	-	-		
Flange distance (mm)	55.95	72.69	57.4	57.4	63.4	57.1	55.17	
Offset (mm)	6.78	6.43	6.9	6.4	6.4	6.8	6.72	
P.C.D. left / right (mm)	45/61	58/61	44/45	44/45	44/45	61	61/61	
Flange diameter left / right (mm)	51/68.4	66.8/69.8	52.8/53.8	52.8/53.8	52.8/53.8	70.6	69.8/69.8	
Spline type	MICRO SPLINE	X	X	-	-	-	-	X
	HG spline (Road 11-speed)	-	-	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-	-	-
	HG spline (Others)	-	-	X	X	X	X	-
Engagement type	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Direct engagement	
Quick engagement	X (max 7.0 deg.)	X (max 7.0 deg.)	X (more than 36 times/ 360 deg.)	X (more than 36 times/ 360 deg.)	X (more than 36 times/ 360 deg.)	-	X (max 7.0 deg.)	
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	-	
Bearing	Cartridge	-	-	-	-	-	-	
Average weight (g) (w/o axle, quick release nor lock ring)	306	310	331	359	367	426	350	
Note	<p>For straight spoke</p> <p>ERD: 550-610 mm Rim offset: 0-3 mm Intersections: 3 cross only, including spoke heads in hub shell. Some spoke calculators may call this 2 cross.</p> <p>Contact the nearest SHIMANO sales office for more information.</p>					Spoke hole 24H spec available		

- SL/SMSL
- BL
- ST
- RD
- FD
- BR
- BR
- FC
- CD
- BB
- CS/MF
- HB
- FH
- WH
- CI-DECK

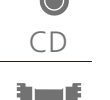
FREEHUB (Disc Brake)

Series	SLX	SLX	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO	
Model no.	FH-M7110-B	FH-M7130-B	FH-M6000	FH-M6010	FH-MT410	FH-MT410-B	FH-MT401	
Color	1 Hub shell	Series color	Series color	Series Black	Series Black	Black	Black	Black
	1 Quick release	-	-	Series Black	-	-	-	Black
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
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	
Rear speeds	12-speed	12-speed	8-10-speed, MTB 11-speed	8-10-speed, MTB 11-speed	12-speed	12-speed	12-speed	
O.L.D. (mm)	148	157	135	142	142	148	135	
Spoke hole	28H	X	X	-	-	X	X	X
	32H	X	X	X	X	X	X	X
	36H	X	-	X	-	X	X	X
10 tooth cog compatible	X	X	-	-	X	X	X	
External serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	-	-	-
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	-	-	-
CENTER LOCK mount cover option	-	-	-	-	-	-	-	
Axle fixing method	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	
Quick release skewer length (mm)	166	-	-	-	-	-	-	
	168	-	-	X	-	-	X	
	170	-	-	-	-	-	-	
	172	-	-	-	-	-	-	
	173	-	-	X	-	-	X	
	174	-	-	-	-	-	-	
	176	-	-	-	-	-	-	
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-	
	135 x 12	-	-	-	-	-	-	
	142 x 12	-	-	-	X	X	-	
	148 x 12	X	-	-	-	-	X	
	150 x 12	-	-	-	-	-	-	
157 x 12	-	X	-	-	-	-		
Flange distance (mm)	62.16	72.69	57.4	57.4	55.17	61.6	55.17	
Offset (mm)	6.6	6.43	6.6	6.4	6.72	6.6	6.72	
P.C.D. left / right (mm)	60/61	58/61	45	44/45	61/61	60/61	61/61	
Flange diameter left / right (mm)	68.8/69.8	66.8/69.8	53.8	52.8/ 53.8	69.8/69.8	68.8/69.8	69.8/69.8	
Splines type	MICRO SPLINE	X	X	-	-	X	X	X
	HG spline (Road 11-speed)	-	-	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-	-	-
	HG spline (Others)	-	-	X	X	-	-	-
Engagement type	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	
Quick engagement	X (max 7.0 deg.)	X (max 7.0 deg.)	-	X (more than 36 times/360 deg.)	X (36 times/360 deg.)	X (36 times/360 deg.)	X (36 times/360 deg.)	
Seal	Hub	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	-	-	-	
Bearing	-	-	-	-	X	X	X	
Average weight (g) (w/o axle, quick release nor lock ring)	354	359	-	-	-	-	-	
Note				* for Trekking				

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



FREEHUB (Disc Brake)

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	FH-MT401-B	FH-M525A	FH-M475	FH-M4050	FH-M3050	FH-MT500	FH-MT500-B
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	Black	Black
	2 Hub shell	-	Silver	Silver	Silver	-	-
	2 Quick release	-	Black	Black	Black	-	-
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
Rear speeds	12-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	12-speed	12-speed
O.L.D. (mm)	141	135	135	135	135	135	141
Spoke hole	28H	X	-	-	-	-	X
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
10 tooth cog compatible	X	-	-	-	-	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	-	X	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	-	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-	-
Axle fixing method	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	166	-	-	X	-	X	-
	168	-	X	-	X	-	X
	170	-	-	X	-	X	-
	172	-	-	-	-	-	-
	173	-	X	X	X	-	X
	174	X	-	-	-	-	-
	176	-	-	-	-	-	-
	178	X	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-
	148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-
157 x 12	-	-	-	-	-	-	
Flange distance (mm)	61.6	57.1	57.1	57.4	57.4	55.17	62.16
Offset (mm)	6.6	6.8	6.8	6.6	6.6	6.72	6.6
P.C.D. left / right (mm)	60/61	61/61	61/61	45/45	45/45	61/61	60/61
Flange diameter left / right (mm)	68.8/69.8	70.6	70.6	53.8	53.8	69.8/69.8	68.8/69.8
Spline type	MICRO SPLINE	X	-	-	-	-	X
	HG spline (Road 11-speed)	-	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-	-
	HG spline (Others)	-	X	X	X	X	-
Engagement type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement	X (36 times/360 deg.)	-	-	-	-	X	X
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Contact	Labyrinth & Contact
	FREEHUB body	Contact	Contact	-	Contact	-	Contact
Internal grease sleeve	-	-	-	X	-	-	-
Bearing	X	-	-	-	-	-	-
Average weight (g) (w/o axle, quick release nor lock ring)	-	-	-	-	-	-	-
Note							

FREEHUB (Disc Brake)

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.	FH-MT510	FH-MT510-B	FH-MT400	FH-MT400-B	FH-MT200-B	FH-RM35	FH-TX505-8	
Color	1 Hub shell	Black	Black	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-	Black	Black
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
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	
Rear speeds	12-speed	12-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	142	148	141	135	135	
Spoke hole	28H	X	X	-	X	X	X*	-
	32H	X	X	X	X	X	X	X
	36H	X	X	X	X	X	X	X
10 tooth cog compatible	X	X	-	-	-	-	-	
External serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	X	X	X	X	X	X	X
CENTER LOCK mount cover option	-	-	-	-	-	-	-	
Axle fixing method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	Quick release	Quick release	
Quick release skewer length (mm)	166	-	-	-	-	X	X	
	168	-	-	-	-	-	-	
	170	-	-	-	-	X	X	
	172	-	-	-	-	X	-	
	173	-	-	-	-	-	-	
	174	-	-	-	-	-	-	
	176	-	-	-	-	X	-	
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-	
	135 x 12	-	-	-	-	-	-	
	142 x 12	X	-	X	-	-	-	
	148 x 12	-	X	-	X	-	-	
	150 x 12	-	-	-	-	-	-	
157 x 12	-	-	-	-	-	-		
Flange distance (mm)	55.17	62.16	57.4	63.4	63.4	57.4	57.4	
Offset (mm)	6.72	6.6	6.65	6.65	6.65	6.6	6.6	
P.C.D. left / right (mm)	61/61	60/61	44/45	44/45	45/45	45/45	45/45	
Flange diameter left / right (mm)	69.8/69.8	68.8/69.8	52.8/53.8	52.8/53.8	53.8	53.8	53.8	
Splines type	MICRO SPLINE	X	X	-	-	-	-	
	HG spline (Road 11-speed)	-	-	-	-	-	-	
	HG spline (MTB 7-speed)	-	-	-	-	-	-	
	HG spline (Others)	-	-	X	X	X	X	
Engagement type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	
Quick engagement	X	X	X (more than 36 times/360 deg.)	X (more than 36 times/360 deg.)	-	-	-	
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Contact	Contact	Contact
	FREEHUB body	Contact	Contact	Contact	Contact	-	-	-
Internal grease sleeve	-	-	X	X	-	-	-	
Bearing	Cartridge	-	-	-	-	-	-	
Average weight (g) (w/o axle, quick release nor lock ring)	-	-	-	-	-	-	-	
Note							* 166 mm Quick release spec.	

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH

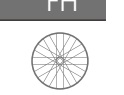


CI-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO
Model no.		FH-TX506	FH-TY505-7
Color	1 Hub shell	Black	Black
	1 Quick release	Black	Black
	2 Hub shell	-	-
	2 Quick release	-	-
Brake type		6-bolt disc brake	CENTER LOCK disc brake
Rear speeds		8-10-speed	7-speed
O.L.D. (mm)		135	135
Spoke hole	28H	-	-
	32H	X	X
	36H	X	X
10 tooth cog compatible		-	-
External serration disc brake rotor lock ring	With	-	-
	Without	-	X
Internal serration disc brake rotor lock ring	With	-	-
	Without	-	X
CENTER LOCK mount cover option		-	-
Axle fixing method		Quick release	Quick release
Quick release skewer length (mm)	166	X	X
	168	-	-
	170	X	X
	172	-	-
	173	-	-
	174	-	-
	176	-	-
	178	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-
	135 x 12	-	-
	142 x 12	-	-
	148 x 12	-	-
	150 x 12	-	-
	157 x 12	-	-
Flange distance (mm)		56	59.5
Offset (mm)		6.1	5.6
P.C.D. left / right (mm)		61/61	45/45
Flange diameter left / right (mm)		70.6	53.8
Spline type	MICRO SPLINE	-	-
	HG spline (Road 11-speed)	-	-
	HG spline (MTB 7-speed)	-	X
	HG spline (Others)	X	-
Engagement type		Pawl ratchet	Pawl ratchet
Quick engagement		-	-
Seal	Hub	Contact	-
	FREEHUB body	-	-
Internal grease sleeve		-	-
Bearing	Cartridge	-	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-
Note			



FREEHUB (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-TX500-8-QR	FH-TX500-8-NT	FH-TY500-7-QR	FH-TY500-7-NT
Color	1 Hub shell	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black
	2 Hub shell	Silver	Silver	-	-
	2 Quick release	Black	Black	-	-
Brake type		Rim brake	Rim brake	Rim brake	Rim brake
Rear speeds		8-10 speed, MTB 11-speed	8-10 speed, MTB 11-speed	7-speed	7-speed
O.L.D. (mm)		135	135	135	135
Spoke hole	28H	-	-	-	-
	32H	X	X	X	X
	36H	X	X	X	X
10 tooth cog compatible		-	-	-	-
External serration disc brake rotor lock ring	With	-	-	-	-
	Without	X	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-
	Without	X	X	X	X
CENTER LOCK mount cover option		-	-	-	-
Axle fixing method		Quick release	Nut	Quick release	Nut
Quick release 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	57.4
Offset (mm)		6.8	6.8	4.6	4.6
P.C.D. left / right (mm)		45	45	45	45
Flange diameter left / right (mm)		53.8	53.8	53.8	53.8
Quick engagement		-	-	-	-
Seal	Hub	-	-	-	-
	FREEHUB body	-	-	-	-
Internal grease sleeve		-	-	-	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-	-	-
Note				O.L.D. 130 mm available (refer to ROAD FREEHUB specification table)	O.L.D. 130 mm available (refer to ROAD FREEHUB specification table)

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



BR



BR



FC



CD



BB



CS/MF



HB



FH



WH



CH-DECK

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Wheel (Disc Brake)

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		WH-M8100-TL-F15-B-29	WH-M8100-TL-F15-B-275	WH-M8100-TL-R12-B-29	WH-M8100-TL-R12-B-275	WH-M8120-TL-F15-B-29
Model name		WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8120-TL
Specification		F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-B-29
Color	1 Hub shell	Black	Black	Black	Black	Series color
	1 Quick release	-	-	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Front	Front	Rear	Rear	Front
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		-	-	MTB 12-speed	MTB 12-speed	-
O.L.D. (mm)		110	110	148	148	110
Wheel size		622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	622 x 30C (29 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	29 x 2.00 - 2.35	27.5 x 2.00 - 2.35	29 x 2.00 - 2.35	27.5 x 2.00 - 2.35	29 x 2.25 - 2.60
Rim	Height (mm)	18.8	18.8	18.8	18.8	19.8
	Internal width (mm)	23.8	23.8	23.8	23.8	30
	External width (mm)	27.9	27.9	27.9	27.9	34.7
	Rim joint	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	X	X	X	X	X
Requires rim tape		X (24 - 622)	X (24 - 584)	X (24 - 622)	X (24 - 584)	X (30 - 584)
Spokes	Number	28	28	28	28	28
	Straight pull	X	X	X	X	-
	J-bend	-	-	-	-	X
	Diameter (mm)	2 - 1.5	2 - 1.5	2 - 1.5	2 - 1.5	2.0 - 1.8
Axle fixing method		15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	-	-	-	-	-
	168	-	-	-	-	-
	173	-	-	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	-
	110 x 15	X	X	-	-	X
	142 x 12	-	-	-	-	-
	148 x 12	-	-	X	X	-
Spline type	MICRO SPLINE	-	-	X	X	-
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	-	-	-	-
Engagement type		-	-	Direct engagement	Direct engagement	-
Quick engagement		-	-	X (max 7.0 deg.)	X (max 7.0 deg.)	-
Bearing	Cartridge	-	-	-	-	-
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	-	-	Contact	Contact	-
Internal grease sleeve		X	X	-	-	X
Quick release lever	Color	-	-	-	-	-
	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
	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
Reflector	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
	Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)	846	808	994	956	941
Note						

Wheel (Disc Brake)

Series	DEORE XT	DEORE XT	DEORE XT	SHIMANO	SHIMANO	
Model no.	WH-M8120-TL-F15-B-275	WH-M8120-TL-R12-B-29	WH-M8120-TL-R12-B-275	WH-MT620-TL-F15-B-29	WH-MT620-TL-F15-B-275	
Model name	WH-M8120-TL	WH-M8120-TL	WH-M8120-TL	WH-MT620-TL	WH-MT620-TL	
Specification	F15-B-275	R12-B-29	R12-B-275	F15-B-29	F15-B-275	
Color	1 Hub shell	Series color	Series color	Black	Black	
	1 Quick release	-	-	-	-	
	2 Hub shell	-	-	-	-	
	2 Quick release	-	-	-	-	
Front/Rear	Front	Rear	Rear	Front	Front	
Brake type	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	
Rear speeds	-	MTB 12-speed	MTB 12-speed	-	-	
O.L.D. (mm)	110	148	148	110	110	
Wheel size	584 x 30C (650B = 27.5 inch)	622 x 30C (29 inch)	584 x 30C (650B = 27.5 inch)	622 x 30C (29 inch)	584 x 30C (650B = 27.5 inch)	
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	
	Recommended size	27.5 x 2.25 - 2.60	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60
Rim	Height (mm)	19.8	19.8	19.8	19.8	
	Internal width (mm)	30	30	30	30	
	External width (mm)	34.7	34.7	34.7	34.7	
	Rim joint	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	X	X	X	X	X
	Requires rim tape	X (30 - 584)	X (30 - 622)	X (30 - 584)	X (30 - 584)	X (30 - 584)
Spokes	Number	28	28	28	24	
	Straight pull	-	-	-	-	
	J-bend	X	X	X	X	
	Diameter (mm)	2.0 - 1.8	2.0 - 1.8	2.0 - 1.8	-	-
Axle fixing method	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU	
Quick release skewer length (mm)	133	-	-	-	-	
	168	-	-	-	-	
	173	-	-	-	-	
	178	-	-	-	-	
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	
	110 x 15	X	-	-	X	
	142 x 12	-	-	-	-	
	148 x 12	-	X	X	-	
Spline type	MICRO SPLINE	-	X	X	-	
	HG spline (ROAD 11-speed)	-	-	-	-	
	HG spline (MTB 7-speed)	-	-	-	-	
	HG spline (Others)	-	-	-	-	
Engagement type	-	Direct engagement	Direct engagement	-	-	
Quick engagement	-	X (max 7.0 deg.)	X (max 7.0 deg.)	-	-	
Bearing	Cartridge	-	-	-	-	
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	
	FREEHUB body	-	Contact	Contact	-	
Internal grease sleeve	X	-	-	-	-	
Quick release lever	Color	-	-	-	-	
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 RR317-WUA SW	
Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)	875	1061	1016	990	940	
Note						

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT620-TL-R12-B-29	WH-MT620-TL-R12-B-275	WH-MT601-TL-F15-29	WH-MT601-TL-R12-29	WH-MT601-TL-F15-275
Model name		WH-MT620-TL	WH-MT620-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL
Specification		R12-B-29	R12-B-275	F15-29	R12-29	F15-275
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Rear	Rear	Front	Rear	Front
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		MTB 12-speed	MTB 12-speed	-	12-speed	-
O.L.D. (mm)		148	148	100	142	100
Wheel size		622 x 30C (29 inch)	584 x 30C (650B = 27.5 inch)	622 x 25C (29 inch)	622 x 25C (29 inch)	584 x 25C (650B = 27.5 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60	29 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40
Rim	Height (mm)	19.8	19.8	20.8	20.8	20.8
	Internal width (mm)	30	30	25	25	25
	External width (mm)	34.7	34.7	29.7	29.7	29.7
	Rim joint	Welding	Welding	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	X	X	-	-	-
Spokes	Requires rim tape	X (30 - 584)	X (30 - 584)	X (25 - 622)	X (25 - 622)	X (25 - 584)
	Number	24	24	24	24	24
	Straight pull	-	-	-	-	-
	J-bend	X	X	X	X	X
Axle fixing method	Diameter (mm)	-	-	2.3	2.3	2.3
	Method	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	-	-	-	-	-
	168	-	-	-	-	-
	173	-	-	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X	-	X
	110 x 15	-	-	-	-	-
	142 x 12	-	-	-	X	-
	148 x 12	X	X	-	-	-
Spline type	MICRO SPLINE	X	X	-	X	-
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	-	Pawl ratchet	-
Quick engagement		-	-	-	X (36 times/ 360 deg.)	-
Bearing	Cartridge	-	-	X	X	X
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	Contact	Contact	-	Contact	-
Internal grease sleeve		-	-	-	-	-
Quick release lever	Color	-	-	-	-	-
	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
	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
Reflector	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
	Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)	1255	1206	931	1238	884
Note						

SL/SMSL
BL
ST
RD
FD
BR
BR
FC
CD
BB
CS/MF
HB
FH
WH
CI-DECK

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT601-TL-R12-275	WH-MT601-TL-F15-B-29	WH-MT601-TL-R12-B-29	WH-MT601-TL-F15-B-275	WH-MT601-TL-R12-B-275
Model name		WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL
Specification		R12-275	F15-B-29	R12-B-29	F15-B-275	R12-B-275
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Rear	Front	Rear	Front	Rear
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		12-speed	-	12-speed	-	12-speed
O.L.D. (mm)		142	110	148	110	148
Wheel size		584 x 25C (650B = 27.5 inch)	622 x 25C (29 inch)	622 x 25C (29 inch)	584 x 25C (650B = 27.5 inch)	584 x 25C (650B = 27.5 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40
	Height (mm)	20.8	20.8	20.8	20.8	20.8
Rim	Internal width (mm)	25	25	25	25	25
	External width (mm)	29.7	29.7	29.7	29.7	29.7
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
	Requires rim tape	X (25 - 584)	X (25 - 622)	X (25 - 622)	X (25 - 584)	X (25 - 584)
Spokes	Number	24	24	24	24	24
	Straight pull	-	-	-	-	-
	J-bend	X	X	X	X	X
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3
Axle fixing method		12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU
Quick release skewer length (mm)	133	-	-	-	-	-
	168	-	-	-	-	-
	173	-	-	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	-
	110 x 15	-	X	-	X	-
	142 x 12	X	-	-	-	-
	148 x 12	-	-	X	-	X
Spline type	MICRO SPLINE	X	-	X	-	X
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	-	-	-	-
Engagement type		Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick engagement		X (36 times/ 360 deg.)	-	X (36 times/ 360 deg.)	-	X (36 times/ 360 deg.)
Bearing	Cartridge	X	X	X	X	X
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-	-
Quick release lever	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
	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
	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
Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)		1189	935	1248	888	1199
Note						

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



SL/SMSL



BL



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BB



CS/MF



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FH



WH



CI-DECK

MTB
TREKKING
GRAVEL
ROAD
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GENERAL
Di2 Spec

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT600-TL-F15-29	WH-MT600-TL-F15-275	WH-MT600-TL-R12-29	WH-MT600-TL-R12-275	WH-MT600-TL-F15-B-29
Model name		WH-MT600-TL	WH-MT600-TL	WH-MT600-TL	WH-MT600-TL	WH-MT600-TL
Specification		F15-29	F15-275	R12-29	R12-275	F15-B-29
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Front	Front	Rear	Rear	Front
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		-	-	8-10-speed, MTB 11-speed	8-10-speed, MTB 11-speed	-
O.L.D. (mm)		100	100	142	142	110
Wheel size		622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40
Rim	Height (mm)	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24
	External width (mm)	28.8	28.8	28.8	28.8	28.8
	Rim joint	Welding	Welding	Welding	Welding	Welding
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
Requires rim tape		X (24 - 622)	X (24 - 584)	X (24 - 622)	X (24 - 584)	X (24 - 622)
Spokes	Number	24	24	24	24	24
	Straight pull	X	X	X	X	X
	J-bend	-	-	-	-	-
	Diameter (mm)	2	2	2	2	2
Axle fixing method		15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	-	-	-	-	-
	168	-	-	-	-	-
	173	-	-	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	X	X	-	-	-
	110 x 15	-	-	-	-	X
	142 x 12	-	-	X	X	-
	148 x 12	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	-	X	X	-
Engagement type		-	-	Pawl ratchet	Pawl ratchet	-
Quick engagement		-	-	-	-	-
Bearing	Cartridge	-	-	-	-	-
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	-	-	Contact	Contact	-
Internal grease sleeve		X	X	X	X	X
Quick release lever	Color	-	-	-	-	-
	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
	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
Reflector	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW
	Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)	964	923	1156	1115	970
Note		-	-	-	-	-

SL/SMSL
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Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT600-TL-F15-B-275	WH-MT600-TL-R12-B-29	WH-MT600-TL-R12-B-275	WH-MT501-CL-R12-B-29	WH-MT501-CL-R12-B-275
Model name		WH-MT600-TL	WH-MT600-TL	WH-MT600-TL	WH-MT501-CL	WH-MT501-CL
Specification		F15-B-275	R12-B-29	R12-B-275	R12-B-29	R12-B-275
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear	Front	Rear	Rear	Rear	Rear	
Brake type	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	
Rear speeds	-	8-10-speed, MTB 11-speed	8-10-speed, MTB 11-speed	MTB 12-speed	MTB 12-speed	
O.L.D. (mm)	110	148	148	148	148	
Wheel size	584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)	584 x 24C (650B = 27.5 inch)	
Tire	Type	Tubeless	Tubeless	Tubeless	Clincher	Clincher
	Recommended size	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40
Rim	Height (mm)	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24
	External width (mm)	28.8	28.8	28.8	29.6	29.6
	Rim joint	Welding	Welding	Welding	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
	Requires rim tape	X (24 - 584)	X (24 - 622)	X (24 - 584)	X (24 - 622)	X (24 - 584)
Spokes	Number	24	24	24	24	24
	Straight pull	X	X	X	-	-
	J-bend	-	-	-	X	X
	Diameter (mm)	2	2	2	2.3	2.3
Axle fixing method	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	
Quick release skewer length (mm)	133	-	-	-	-	-
	168	-	-	-	-	-
	173	-	-	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	-
	110 x 15	X	-	-	-	-
	142 x 12	-	-	-	-	-
	148 x 12	-	X	X	X	X
Spline type	MICRO SPLINE	-	-	-	X	X
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	X	X	-	-
Engagement type	-	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	
Quick engagement	-	-	-	-	-	
Bearing	Cartridge	-	-	-	-	
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	-	Contact	Contact	Contact	Contact
Internal grease sleeve	-	X	X	X	-	
Quick release lever	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
	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
	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW
Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)		930	1170	1130	1260	1208
Note		-	-	-	-	-

MTB

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Di2 Spec



SL/SMSL



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CH-DECK

MTB
TREKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		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
Model name		WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specification		F-275	R-275	F15-275	R12-275	F15-B-275
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	-	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		-	8-10-speed, MTB 11-speed***	-	8-10-speed, MTB 11-speed***	-
O.L.D. (mm)		100	135	100	142	110
Wheel size		584 x 24C (650B = 27.5 inch)	584 x 24C (650B = 27.5 inch)	584 x 24C (650B = 27.5 inch)	584 x 24C (650B = 27.5 inch)	584 x 24C (650B = 27.5 inch)
Tire	Type	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
Rim	Height (mm)	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24
	External width (mm)	29.6	29.6	29.6	29.6	29.6
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
Requires rim tape		X (24 - 584)	X (24 - 584)	X (24 - 584)	X (24 - 584)	X (24 - 584)
Spokes	Number	24	24	24	24	24
	Straight pull	-	-	-	-	-
	J-bend	X	X	X	X	X
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3
Axle fixing method		Quick release	Quick release	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	X	-	-	-	-
	168	-	X	-	-	-
	173	-	X	-	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X	-	-
	110 x 15	-	-	-	-	X
	142 x 12	-	-	-	X	-
	148 x 12	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	-	X	-	X	-
Engagement type		-	Pawl ratchet	-	Pawl ratchet	-
Quick engagement		-	-	-	-	-
Bearing	Cartridge	-	-	-	-	-
	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Seal	FREEHUB body	-	-	-	Contact	-
	Internal grease sleeve	X	X	X	X	X
Quick release lever	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	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
	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW
Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)		962	1147	936	1133	946
Note		-	*** Spoke protector is available only for 9 & 10-speed	-	*** Spoke protector is available only for 9 & 10-speed	-

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT500-CL-R12-B-275	WH-MT500-CL-F-29	WH-MT500-CL-R-29	WH-MT500-CL-F15-29	WH-MT500-CL-R12-29
Model name		WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specification		R12-B-275	F-29	R-29	F15-29	R12-29
Color	1 Hub shell	Black	Black	Black	Black	Black
	1 Quick release	-	Black	Black	-	-
	2 Hub shell	-	-	-	-	-
	2 Quick release	-	-	-	-	-
Front/Rear		Rear	Front	Rear	Front	Rear
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		8-10-speed, MTB 11-speed***	-	8-10-speed, MTB 11-speed	-	8-10-speed, MTB 11-speed
O.L.D. (mm)		148	100	135	100	142
Wheel size		584 x 24C (650B = 27.5 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)
Tire	Type	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	27.5 x 2.00 - 2.40	29 x 2.00 - 2.35	29 x 2.00 - 2.35	29 x 2.00 - 2.35	29 x 2.00 - 2.35
Rim	Height (mm)	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24
	External width (mm)	29.6	29.6	29.6	29.6	29.6
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
	Requires rim tape	X (24 - 584)	X (24 - 622)	X (24 - 622)	X (24 - 622)	X (24 - 622)
Spokes	Number	24	24	24	24	24
	Straight pull	-	-	-	-	-
	J-bend	X	X	X	X	X
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3
Axle fixing method		12 mm E-THRU	Quick release	Quick release	15 mm E-THRU	12 mm E-THRU
Quick release skewer length (mm)	133	-	X	-	-	-
	168	-	-	X	-	-
	173	-	-	X	-	-
	178	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	X	-
	110 x 15	-	-	-	-	-
	142 x 12	-	-	-	-	X
	148 x 12	X	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline (ROAD 11-speed)	-	-	-	-	-
	HG spline (MTB 7-speed)	-	-	-	-	-
	HG spline (Others)	X	-	X	-	X
Engagement type		Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick engagement		-	-	-	-	-
Bearing	Cartridge	-	-	-	-	-
Seal	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
	FREEHUB body	Contact	-	-	-	Contact
Internal grease sleeve		X	X	X	X	X
Quick release lever	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	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
	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW
Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)		1145	1013	1200	988	1186
Note		*** Spoke protector is available only for 9 & 10-speed	-	-	-	-

MTB

TREKKING

GRAVEL

ROAD

URBAN

GENERAL

Di2 Spec



SL/SMSL



BL



ST



RD



FD



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WH



CH-DECK

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT500-CL-F15-B-29	WH-MT500-CL-R12-B-29	WH-MT15-A-F15-275
Model name		WH-MT500-CL	WH-MT500-CL	WH-MT15-A
Specification		F15-B-29	R12-B-29	F15-275
Color	1 Hub shell	Black	Black	Black
	1 Quick release	-	-	Black
	2 Hub shell	-	-	White
	2 Quick release	-	-	Black
Front/Rear		Front	Rear	Front
Brake type		CENTER LOCK Disc	CENTER LOCK Disc	CENTER LOCK Disc
Rear speeds		-	8-10-speed, MTB 11-speed	-
O.L.D. (mm)		110	148	100
Wheel size		622 x 24C (29 inch)	622 x 24C (29 inch)	584 x 19C (650B = 27.5 inch)
Tire	Type	Clincher	Clincher	Clincher
	Recommended size	29 x 2.00 - 2.35	29 x 2.00 - 2.35	27.5 x 1.90 - 2.25
Rim	Height (mm)	21	21	21
	Internal width (mm)	24	24	19
	External width (mm)	29.6	29.6	24.6
	Rim joint	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-
	OFFSET RIM	-	-	-
Requires rim tape		X (24 - 622)	X (24 - 622)	X (20-584)
Spokes	Number	24	24	28
	Straight pull	-	-	-
	J-bend	X	X	X
	Diameter (mm)	2.3	2.3	2.0
Axle fixing method		15 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	-	-	-
	168	-	-	-
	173	-	-	-
	178	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X
	110 x 15	X	-	-
	142 x 12	-	-	-
	148 x 12	-	X	-
Spline type	MICRO SPLINE	-	-	-
	HG spline (ROAD 11-speed)	-	-	-
	HG spline (MTB 7-speed)	-	-	-
	HG spline (Others)	-	X	-
Engagement type		-	Pawl ratchet	-
Quick engagement		-	-	-
Bearing	Cartridge	-	-	-
	Hub	Labyrinth & Contact	Labyrinth & Contact	Labyrinth & Contact
Seal	FREEHUB body	-	Contact	-
	Internal grease sleeve	X	X	X
Quick release lever	Color	-	-	-
	JIS/CPSC	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
Reflector	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW
	Average weight (g) (w/o Quick release, rim tape, tubeless tape, valve stem, lock ring)	998	1199	995 (Black) 1000 (White)
Note		-	-	-

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 shift lever	SL-RS34/RS35/RS36/RS45/RS47	SL-RS34/RS35/RS36/RS45/RS47	-	-	-	-
Front speeds	-	-	-	-	-	-
Rear speeds	7	6	-	-	-	-
Shift 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-CI300/ID-CI400/SC-CI300	Cowling use with SM-CI300

Cycle Computer (CI-DECK)

Series	CI-DECK	
Model no.	SC-CI300	
Compatible system	Mechanical	
Attachment position	Handlebar	
Battery type	CR2032	
Charging for cycle computer	-	
Front speeds	-	
Rear speeds	-	
Number of programable wheel size	1	
Wheel size range (inch)	16-26	
Remote switch	-	
Communications	Wired	
Memory capacity	-	
PC software available	-	
Detachable	X	
Display spec	Size (mm ; active area)	20 x 20
	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	

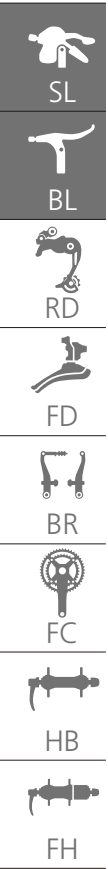
- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec
-  SL/SMSL
-  BL
-  ST
-  RD
-  FD
-  BR
-  BR
-  FC
-  CD
-  BB
-  CS/MF
-  HB
-  FH
-  WH
-  CI-DECK

Shift Lever

Series		DEORE XT	DEORE XT	DEORE	DEORE
Model no.		SL-T8000-R	SL-T8000-L	SL-T6000-R	SL-T6000-L
Color	1	Series color	Series color	Series black	Series black
	2	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	3	-	2/3
Rear speeds		10	-	10	-
Compatible rear derailleur Type		MTB 10-speed	-	MTB 10-speed	-
Mount type	Clamp band	X	X	X	X
	I-SPEC B	-	-	-	-
	I-SPEC II	-	-	-	-
	I-SPEC EV	-	-	-	-
Shift lever position adjust		-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-
Shift lever cable adjust		X	X	X	X
Front 2/3 mode converter		-	-	-	-
Max. multiple shifts (main lever/rear)		4	-	3	-
Release function	MULTI RELEASE	X	-	-	-
	INSTANT RELEASE	X	X	-	-
	2-WAY RELEASE	X	X	X	X
	Adjustable mono lever	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	X
	With (removable)	-	-	-	-
	Without	-	-	-	-
Multi-bearing construction		2	2	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-
		OPTISLICK	X	X	X
		SIL-TEC	-	-	-
		Stainless	X	X	X
		Steel	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		126	120	-	-
Note					

Brake Lever (Hydraulic Disc Brake)

Series		DEORE XT	DEORE XT	DEORE
Model no.		BL-T8100	BL-T8000	BL-T6000
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3	3
Color	1	Series color	Series color	Series black
	2	-	-	Series silver
	3	-	-	Black (SHIMANO logo)*
Brake hose (kit)		SM-BH90-SBM	SM-BH90-SBM	SM-BH59-JK-SS
Hose joint		Banjo	Banjo	Straight
Brake hose color (kit)	1	Black	Black	Black
	2	-	-	-
J-Kit spec (for OEM)		X	X	X
SERVO WAVE		-	-	-
Reach adjust	Toolless	X	X	-
	Tool	-	-	X
Free stroke adjust		-	-	-
Compatible shift lever mount	Clamp band	X	X	X
	I-SPEC B	-	-	-
	I-SPEC II	X	X	X
	I-SPEC EV	-	-	-
Clamp band	Open clamp	X	X	X
Recommended brake caliper		BR-M8100 BR-M8120	BR-M8000	BR-M6000
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		108 **	108 **	-
Note		** Single item weight	** Single item weight	* T6000 kit only





Brake Lever

Series		DEORE	DEORE	SHIMANO	SHIMANO
Model no.		BL-T610	BL-T611	BL-T4000	BL-T4010
Color	1	Black	Black	Black	Black
	2	-	-	Silver	Silver
	3	-	-	-	-
Compatible brake type	V-BRAKE	X	X*	X	X*
	Mechanical disc brake (MTB)	X	X*	X	X*
	Mechanical disc brake (Road)	-	-	-	-
	Caliper (NEW SUPER SLR)	-	-	-	-
	Caliper (SUPER SLR)	-	-	-	-
	Cantilever brake	-	-	-	-
Recommended POWER MODULATOR	V-BRAKE	-	SM-PM70	-	SM-PM40
	Mechanical disc brake (MTB)	-	SM-PM50	-	SM-PM50
Clamp band	Open clamp band	X	X	-	-
	I-SPEC	X**	X**	-	-
	Diameter (mm)	22.2	22.2	22.2	22.2
Internal bumper stop		X	X	X	X
Lever size (finger)		2	3	2	3
Brake cable type		T-type	T-type	T-type	T-type
Power adjuster		-	-	-	-
SERVO WAVE		-	-	-	-
Reach adjust		X	X	X	X
Cable adjust		X	X	X	X
Cable adjust type		Two hand	Two hand	Two hand	Two hand
Stainless clamp screw		X	X	X	X
Average weight (g)		-	-	-	-
Note		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

Rear Derailleur

Series		DEORE XT	DEORE	SHIMANO ALIVIO	ACERA
Model no.		RD-T8000-SGS	RD-T6000-SGS	RD-T4000	RD-T3000
Pulley cage		SGS	SGS	SGS	SGS
Color	1	Series color	Series black	Black	Black
	2	-	-	Silver	Silver
Rear speeds		10	10	9	9
Compatible chain		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
Mount	Direct attachment (conventional)	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
Total capacity		47T	47T	45T	45T
Low sprocket	Max.	36T	36T	34T	34T
	Min.	32T	32T	28T	28T
Top sprocket	Max.	11T	11T	11T	11T
	Min.	11T	11T	11T	11T
Fluoric coated link bushings		4	3	2	1
Pulley	Guide pulley bearing	Sealed Bearing	-	-	-
	Tension pulley bearing	Sealed Bearing	-	-	-
	Teeth	11T	11T	11T	11T
	Sunken type pulley screw	X	X	X	X
B-axle	Hollow axle	X	X	-	-
B-axle 2	Hollow axle	X	X	-	-
Average weight (g)		253	-	-	-
Note		* Possible to attach to direct mount in case bracket is removed.	* Possible to attach to direct mount in case bracket is removed.		

- MTB
- TREKKING**
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



Front Derailleur

Series		DEORE XT	DEORE XT	DEORE XT	DEORE	DEORE	DEORE	
Model no.		FD-T8000-H-3	FD-T8000-L-3	FD-T8000-L-6	FD-T6000-H3	FD-T6000-L3	FD-T6000-L6	
Color	1	Series color	Series color	Series color	Series black	Series black	Series black	
	2	-	-	-	-	Series silver	Series silver	
Front speeds		3	3	3	3	3	3	
Rear speeds		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	
Action	TOP SWING	-	X	X	-	X	X	
	Down swing	X	-	-	X	-	-	
	SIDE SWING	-	-	-	-	-	-	
Mount	Clamp band (mm)	28.6	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	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	X	X	X	X	X	
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	-	-
Direct mount		-	-	-	-	-	-	
Cable route type	Dual-pull	X	X	X	X	X	X	
	Top-pull exclusive	-	-	-	-	-	-	
	Down-pull exclusive	-	-	-	-	-	-	
	Front-pull	-	-	-	-	-	-	
Chain line (mm)		50	50	50	50	50	50	
Chainstay angle (deg.)		63-66	63-66	66-69	63-66	63-66	66-69	
Top gear teeth		48T	48T	48T	44T/48T	44T/48T	44T/48T	
Total capacity		22T	22T	22T	22T	22T	22T	
Applicable top-mid tooth difference		12T	12T	12T	12T	12T	12T	
Multi access cable fixing screw		-	-	-	-	X	X	
Angled stroke adjust screw		-	-	-	-	-	-	
Angled clamp band design		X	X	X	-	-	-	
Link bushings		8	2	2	8	2	2	
Average weight (g) (band type: L size, direct type w/ screw)		169	155	155	-	-	-	
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		ACERA	ACERA	ACERA
Model no.		FD-T3000-2-TS3	FD-T3000-TS3	FD-T3000-TS6
Color	1	Black	Series color	Black
	2	-	-	-
Front speeds		2	3	3
Rear speeds		9	9	9
Compatible chain		HG 9-speed	HG 9-speed	HG 9-speed
Action	TOP SWING	X	X	X
	Down swing	-	-	-
	SIDE SWING	-	-	-
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	X (w/ S size adapter)
		31.8	X (w/ M size adapter)	X (w/ M size adapter)
		34.9	X	X
	E-type	With bottom bracket plate	-	-
		Without bottom bracket plate	-	-
Direct mount		-	-	
Cable route type	Dual-pull	X	X	
	Top-pull exclusive	-	-	
	Down-pull exclusive	-	-	
	Front-pull	-	-	
Chain line (mm)		48.8	50	
Chainstay angle (deg.)		63-68	63-66	
Top gear teeth		46T	44T/48T	
Total capacity		16T	22T	
Applicable top-mid tooth difference		-	12T	
Multi access cable fixing screw		-	-	
Angled stroke adjust screw		-	-	
Angled clamp band design		X	X	
Link bushings		-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	
Note				

Brake (V-BRAKE)

Series		DEORE	SHIMANO
Model no.		BR-T610	BR-T4000
Color	1	Black	Black
	2	-	Silver
	3	-	-
Brake type		V-BRAKE	V-BRAKE
Brake shoe	Standard 1	S70C	S65T
	Standard 2	M70CT4	-
	Option 1	S70T	M65T4
	Option 2	-	M65T3
Cartridge shoe holder		X	-
Arch size (mm)		107	107
Spacer type	X type	X	X
	Y type	X	X
Compatible lead pipe angle (deg.)		45/90/135	45/90/135
Sleeve & Bushing axle		X	X
V-arm/caliper	Light weight link	-	-
Fixing screw length (mm)	16	X	X
	25	X	X
Fixing screw	Chamfered screw	X	-
POWER MODULATOR		SM-PM70	SM-PM40
Linear spring		X	X
Stainless cable fixing screw		-	-
Average weight (g)		-	-
Note			

Crankset

Series		DEORE XT	DEORE	SHIMANO	SHIMANO	SHIMANO ALIVIO	SHIMANO	SHIMANO
Model no.		FC-T8000	FC-T6010	FC-T551	FC-T521	FC-T4060	FC-T4010	FC-T3010
Color	1	Series color	Series black	Black	Black	Black	Black	Black
	2	-	-	Silver	Silver	Silver	Silver	Silver
Rear speeds		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 for 9-speed	HG for 9-speed	HG for 9-speed
Chain line (mm)		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
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		48-36-26T	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	181.5	181.1	185.8	181.7	187.8	187.3
Crank arm length (mm)	165	-	-	-	-	X	X	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	X	X	X	X	X	X	X
	Without chain/bash guard	-	-	X	X	X	X	X
HOLLOWTECH II		X	X	-	-	-	-	-
2-PIECE CRANKSET		-	-	X	-	X	-	-
HOLLOWTECH crank arm		-	-	-	X	-	-	-
OCTALINK		-	-	-	X	-	X	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	-	X	-	-
	OCTALINK	-	-	-	X	-	X	-
	Square	-	-	-	-	-	-	X
Recommended bottom bracket	Threaded (normal)	BB-MT800	SM-BB52	SM-BB52	BB-ES300	SM-BB52	BB-ES300	BB-UN300
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	SM-BB52	SM-BB52	-	SM-BB52	-	BB-UN300-K
	Press-Fit	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 bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	X	X	X	X	X	X
Stainless chain guard fixing screw		-	X	X	X	X	X	- (48-36-26T) X (44-32-22T)
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		868 (48-36-26T)	-	-	-	-	-	-
Note								

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



SL



BL



RD



FD



BR



FC



HB



FH

Front Hub (Rim/Disc Brake)

Series		DEORE	SHIMANO
Model no.		HB-T610	HB-T3000
Color	1 Hub shell	Black	Black
	1 Quick release	Black	Black
	2 Hub shell	-	Silver
	2 Quick release	-	Black
Brake type		Rim brake	Rim brake
O.L.D. (mm)		100	100
Spoke hole	28H	-	-
	32H	X	X
	36H	X	X
External serration disc brake rotor lock ring	With	-	-
	Without	-	-
CENTER LOCK mount cover option		-	-
Axle fixing method		Quick release	Quick release
Quick release skewer length (mm)	129	-	-
	133	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
Offset (mm)		0	0
P.C.D. left / right (mm)		38/38	38/38
Flange diameter (mm)		48.4	48.4
Seal		Labyrinth & Contact	Contact
Internal grease sleeve		-	-
Average weight (g)		-	-
Note			



SL



BL



RD



FD



BR



FC



HB



FH

FREEHUB (Rim/Disc Brake)

Series		DEORE	SHIMANO
Model no.		FH-T610	FH-T3000
Color	1 Hub shell	Black	Black
	1 Quick release	Black	Black
	2 Hub shell	-	Silver
	2 Quick release	-	Black
Brake type		Rim brake	Rim brake
Rear speeds		8-10-speed, MTB 11-speed	8-10-speed, MTB 11-speed
O.L.D. (mm)		135	135
Spoke hole	28H	-	-
	32H	X	X
	36H	X	X
External serration disc brake rotor lock ring	With	-	-
	Without	-	-
Internal serration disc brake rotor lock ring	With	-	-
	Without	-	-
CENTER LOCK mount cover option		-	-
Axle fixing method		Quick release	Quick release
Quick release skewer length (mm)	166	-	X
	168	X	-
	170	-	X
	173	X	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-
	135 x 12	-	-
	142 x 12	-	-
	148 x 12	-	-
Flange distance (mm)		59.2	59.2
Offset (mm)		7.8	7.5
P.C.D. left / right (mm)		44/45	45/45
Flange diameter left / right (mm)		53.8	53.8
Seal		Labyrinth & Contact	Contact
Hub		Contact	-
FREEHUB body		Contact	-
Internal grease sleeve		X	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-
Note			

Shift/Brake Lever (Hydraulic Disc Brake)

Series		GRX	GRX	GRX	GRX	GRX	GRX	
Model no.		ST-RX810-R	ST-RX810-L	ST-RX600-R	ST-RX600-L	ST-RX400-R	ST-RX400-L	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Bracket cover color	1	Standard	Standard	Standard	Standard	Standard	Standard	
	2	-	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	-	2	-	2	
	Rear speeds	11	-	11	-	10	-	
	Multi-bearing construction	-	-	-	-	-	-	
Brake lever	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-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	
	Hose joint	Straight	Straight	Straight	Straight	Straight	Straight	
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-
	Recommended brake caliper	BR-RX810	BR-RX810	BR-RX810	BR-RX810	BR-RX400	BR-RX400	
	Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust	X	X	X	X	X	X	
	Funnel bleeding	X	X	X	X	X	X	
	Free stroke adjust	X	X	-	-	-	-	
	SERVO WAVE	X	X	-	-	-	-	
Clamp band	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	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900	
	Inner cable	Polymer-coated cable	X	X	-	-	-	-
		OPTISLICK	-	-	X	X	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
Steel	-	-	-	-	-	-		
Average weight (g)		286	284	307	306	307	306	
Note								

Brake Lever (Sub Lever for Hydraulic Disc Brake)

Series		GRX	GRX
Model no.		BL-RX812-R	BL-RX812-L
Brake type		Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		1	1
Color	1	Neutral	Neutral
	2	-	-
	3	-	-
Brake hose (kit)		-	-
Hose joint		Straight	Straight
Brake hose color (kit)	1	Black	Black
	2	-	-
Recommended brake caliper		BR-RX810	BR-RX810
Oil		SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X
Reach adjust	Toolless	-	-
	Tool	X	X
Free stroke adjust		-	-
SERVO WAVE		-	-
Clamp band	New band	X	X
	I-SPEC B	-	-
	I-SPEC II	-	-
	Open clamp	-	-
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		81.9	81.9
Note		-	-

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Single Lever (Hydraulic Disc Brake)

Series		GRX	GRX	GRX	
Model no.		BL-RX810-L	BL-RX600-L	ST-RX810-LA	
Color	1	Series color	Series color	Series color	
	2	-	-	-	
Bracket cover color	1	Standard	Standard	Standard	
	2	-	-	-	
Shifter type		Single Lever	Single Lever	Single lever for adjustable seat post	
Shift lever	Front speeds		1	1	1
	Rear speeds		-	-	-
	2/3 mode converter		-	-	-
	Max. multiple shifts (Main lever/rear)		-	-	-
	Compatible rear derailleur type		-	-	-
	I-SPEC compatible		-	-	-
	Shift lever position adjust		-	-	-
	Release function	MULTI RELEASE	-	-	-
		INSTANT RELEASE	-	-	-
		2-WAY RELEASE	-	-	-
	OPTICAL GEAR DISPLAY	With	-	-	-
		With (removable)	-	-	-
Without		-	-	-	
Multi-bearing construction		-	-	-	
Shift lever cable	Outer casing	Lever side	-	-	OT-SP41
		Rear derailleur side	-	-	-
	Inner cable	Polymer-coated cable	-	-	-
		OPTISLICK	-	-	X
		SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	-	-	-
Lever size (finger)		-	-	-	
Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR	
Hose joint		Straight	Straight	Straight	
Recommended brake caliper		BR-RX810	BR-RX810	BR-RX810	
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	
Reach adjust	Toolless	-	-	-	
	Tool	X	X	X	
Funnel bleeding		X	X	X	
Free stroke adjust		X	-	X	
SERVO WAVE		X	-	X	
Brake hose color (kit)	1	Black	Black	Black	
	2	-	-	-	
Clamp band	Open clamp		-	-	-
	I-SPEC		-	-	-
	Diameter (mm)		23.8-24.2	23.8-24.2	23.8-24.2
Average weight (g)		222	227	263	
Note		-	-	-	



Rear Derailleur

Series		GRX	GRX	GRX	
Model no.		RD-RX810	RD-RX812	RD-RX400	
Pulley cage		-	-	-	
Color	1	Series color	Series color	Series color	
	2	-	-	-	
Rear speeds		11	11	10	
Compatible chain		HG-EV 11-speed/HG-X11	HG-EV 11-speed/HG-X11	HG-X 10-speed	
Top-normal spring type	SHIMANO SHADOW RD	-	-	-	
	SHIMANO SHADOW RD+	X	X	X	
	Double servo	-	-	-	
Mount	Direct attachment (conventional)	X	X	X	
	Riveted adapter (road type)	-	-	-	
	Riveted adapter (BMX-track type)	-	-	-	
Cable adjuster		X	X	X	
Max. front difference		17T	-	16T	
Total capacity		40T	31T	41T	
Low sprocket	Max.	34T	42T	36T	
	Min.	30T	40T	32T	
Top sprocket	Max.	11T	11T	11T	
	Min.	11T	11T	11T	
Fluoric coated link bushings		4	4	4	
Pulley	Guide pulley bearing	X	X	-	
	Tension pulley bearing	X	X	-	
	Teeth	13T	11T	11T	
	Sunken type pulley screw	X	X	X	
B-axle	Hollow axle		X	X	X
B-axle 2	Hollow axle		-	-	-
Average weight (g)		255	267	303	
Note		-	-	-	

Front Derailleur

Series	GRX	GRX	
Model no.	FD-RX810-F	FD-RX400-F	
Color	1 Series color	Series color	
	2 -	-	
Front speeds	2	2	
Rear speeds	11	10	
Compatible chain	HG-EV 11-speed HG-X11	HG-X 10-speed	
Action	TOP SWING	-	
	Down swing	X	X
Mount	Clamp band (mm)	28.6	-
		31.8	-
		34.9	-
	Brazed-on	X	X
Cable adjust	X	-	
Top-pull exclusive option	-	-	
Chain line (mm)	47	47	
Chainstay angle (deg.)	61-66	61-66	
Top gear teeth	46-48T	46T	
Total capacity	17T	16T	
Applicable top-mid tooth difference	-	-	
Angled clamp band design	-	-	
Multi-bearing construction	-	-	
Link bushings	7	7	
Average weight (g) (band type: L size, direct type w/ screw)	96	96	
Note			

Brake (Hydraulic Disc Brake)

Series	GRX	GRX	GRX	GRX
Model no.	BR-RX810-F	BR-RX810-R	BR-RX400-F	BR-RX400-R
Color	1 Series color	Series color	Series color	Series color
	2 -	-	-	-
	3 -	-	-	-
Brake type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR
Hose joint	Straight	Straight	Straight	Straight
Brake hose color (kit)	1 Black	Black	Black	Black
	2 -	-	-	-
J-Kit spec (for OEM)	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper	X	X	X	X
Pad	Standard 1	K03S Resin	K03S Resin	K03S Resin
	Standard 2	L03A-Resin	L03A-Resin	L03A-Resin
	Option 1	K04S Metal	K04S Metal	K04S Metal
	Option 2	L04C-Metal	L04C-Metal	L04C-Metal
Fixing screw 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-RX810 BL-RX810 ST-RX815	ST-RX810 BL-RX810 ST-RX815	ST-RX400	ST-RX400
Recommended disc brake rotor	SM-RT800 RT-MT800	SM-RT800 RT-MT800	SM-RT64	SM-RT64
Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING	X	X	X	X
Mount type	Flat mount	Flat mount	Flat mount	Flat mount
Piston	2	2	2	2
Caliper	MONO-BODY	-	-	-
Caliper fixing bolt	Tool size	4 mm	4 mm	4 mm
	Anti loosen method	Bolt fix pin, snap ring	Bolt fix pin, snap ring	Bolt fix pin, snap ring
Pad mount	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)	148	138	-	-
Note	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor

Crankset

Series	GRX	GRX	GRX	GRX	GRX
Model no.	FC-RX810-2	FC-RX810-1	FC-RX600-11	FC-RX600-10	FC-RX600-1
Color	1 Series color	Series color	Series color	Series color	Series color
	2 -	-	-	-	-
Rear speeds	11	11	11	10	11
Compatible chain	HG-EV 11-speed, HG-X11	HG-EV 11-speed, HG-X11	HG-EV 11-speed, HG-X11	HG-10-speed	HG-EV 11-speed, HG-X11
Chain line (mm)	47	49.7	47	47	49.7
P.C.D. (mm)	110/80	110	110/80	110/80	110
Spider/gear arms	4	4	4	4	4
Chaining combination	48-31T	42T/40T	46-30T	46-30T	40T
Q-factor (mm)	151	151	151	151	151
Crank arm length (mm)	165	-	X	X	X
	167.5	-	-	-	-
	170	X	X	X	X
	172.5	X	X	X	X
	175	X	X	X	X
	177.5	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-
	Without chain/bash guard	X	X	X	X
HOLLOWTECH II	X	X	-	-	-
2-PIECE CRANKSET	-	-	X	X	X
HOLLOWTECH crank arm	X	X	-	-	-
OCTALINK	-	-	-	-	-
HOLLOWGLIDE	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X
	OCTALINK	-	-	-	-
	Square	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BBR60	SM-BBR60	BB-RS500	BB-RS500
	Press-Fit	SM-BB72	SM-BB72	BB-RS500-PB	BB-RS500-PB
Axle length of BB-UN/ES (mm)	Threaded (normal)	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X
	70	X	X	X	X
Crank fixing screw included	X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)	710	656 (42T) 644 (40T)	806	810	743
Note	-	-	-	-	-

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Wheel (Disc Brake)

Series		GRX	GRX	GRX	GRX
Model no.		WH-RX570-TL-F12-700C	WH-RX570-TL-F12-650B	WH-RX570-TL-R12-700C	WH-RX570-TL-R12-650B
Model name		WH-RX570-TL	WH-RX570-TL	WH-RX570-TL	WH-RX570-TL
Spec		F12-700C	F12-650B	R12-700C	R12-650B
Color	1 Hub Shell	Black	Black	Black	Black
	1 Quick release	-	-	-	-
	2 Hub Shell	-	-	-	-
	2 Quick release	-	-	-	-
Front/Rear		Front	Front	Rear	Rear
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		-	-	Road 11/10-speed	Road 11/10-speed
O.L.D. (mm)		100	100	142	142
Wheel size		622 x 21C (700C)	584 x 21C (650B = 27.5)	622 x 21C (700C)	584 x 21C (650B = 27.5)
Rim	Height (mm)	22	22	22	22
	Internal width (mm)	21.6	21.6	21.6	21.6
	External width (mm)	-	-	-	-
	Rim joint	Welded	Welded	Welded	Welded
	Braze reinforcement	-	-	-	-
	OFFSET RIM	X	X	X	X
Spokes	Requires rim tape	X	X	X	X
	Number	24	24	24	24
	Straight pull	X	X	X	X
	Bladed	X	X	X	X
	Butted	-	-	-	-
	Diameter	2	2	2	2
Axle fixing method		E-THRU	E-THRU	E-THRU	E-THRU
Quick release skewer length (mm)	133	-	-	-	-
	163	-	-	-	-
	168	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	X	X	-	-
	142 x 12	-	-	X	X
Spline type	new HG spline(ROAD 12-speed)	-	-	-	-
	HG spline (ROAD 11-speed)	-	-	X	X
Engagement type		-	-	Pawl ratchet	Pawl ratchet
Disc mount	CENTER LOCK	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-
	140 mm disc brake rotor compatible	X	X	-	-
OPTBAL (2:1)		-	-	-	-
D2 rim		-	-	-	-
Digital adjustment system		-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact
	FREEHUB body	-	-	Contact	Contact
Internal grease sleeve		X	X	X	X
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	32-622 - 42-622	38-584 - 53-584	32-622 - 42-622	38-584 - 53-584
Compatible spoke protector		-	-	CP-FH08 (23-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 10/11-speed)	CP-FH08 (23-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 10/11-speed)
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 (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		769	737	951	920
Note					



Shift/Brake Lever

Series		DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	
Model no.		ST-R9100-R	ST-R9100-L	ST-9001	ST-R8000-R	ST-R8000-L	
Color	1	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	2	-	2	
	Rear speeds	11	-	11	11	-	
	Multi-bearing construction	R:4 L:4	R:4 L:4	R:4 L:4	*	*	
Brake lever	Reach adjust	Screw	Screw	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	
	SLR-EV	X	X	X	X	X	
	NEW SUPER SLR	-	-	-	-	-	
	SUPER SLR	-	-	-	-	-	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-RS900	OT-RS900	OT-SP41 Sealed	OT-RS900	OT-RS900
	Inner cable	Polymer-coated cable	X	X	X	X	X
		OPTISLICK	-	-	-	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	X
Steel	-	-	-	-	-		
Average weight (g)		365 (/pair)	365 (/pair)	365 (/pair)	220 (/pc)	218 (/pc)	
Note					* Use bush	* Use bush	

Series		ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	
Model no.		ST-6800	ST-R7000-R	ST-R7000-L	ST-5800	ST-4700-R	
Color	1	Series color	Silky black	Silky black	Black	Series color	
	2	-	Spark silver	Spark silver	Silver	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	2	-	2	2	-	
	Rear speeds	11	11	-	11	10	
	Multi-bearing construction	- *	0	0	0	0	
Brake lever	Reach adjust	Screw	Screw	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	
	SLR-EV	X	X	X	X	X	
	NEW SUPER SLR	-	-	-	-	-	
	SUPER SLR	-	-	-	-	-	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-SP41 Sealed	OT-RS900	OT-RS900	OT-SP41 Sealed	OT-SP41 Sealed
	Inner cable	Polymer-coated cable	X	-	-	-	-
		OPTISLICK	-	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	X
Steel	-	-	-	-	-		
Average weight (g)		425 (/pair)	251 (/pc)	249 (/pc)	486 (/pair)	-	
Note		* Use bush	-	-			

Series		TIAGRA	TIAGRA	SHIMANO	SORA	SORA	
Model no.		ST-4700-L	ST-4703-L	ST-R460	ST-R3000-R	ST-R3000-L	
Color	1	Series color	Series color	Black	Series color	Series color	
	2	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	2	3	2	-	2	
	Rear speeds	-	-	10	9	-	
	Multi-bearing construction	0	0	-	0	0	
Brake lever	Reach adjust	Screw	Screw	Spacer Use	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	
	SLR-EV	X	X	-	-	-	
	NEW SUPER SLR	-	-	X	X	X	
	SUPER SLR	-	-	-	-	-	
Shift lever cable	Outer casing	Lever side	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
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	-	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	X
Steel	-	-	-	-	-		
Average weight (g)		-	-	-	-	-	
Note				SHIMANO logo Compatible with Caliper/ Canti/Road disc brake Not compatible with V-BRAKE/Compact V-BRAKE			

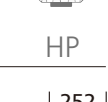
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Shift/Brake Lever

Series		SORA	SHIMANO	CLARIS	CLARIS	CLARIS	
Model no.		ST-R3030-L	ST-R353	ST-R2000-R	ST-R2000-L	ST-R2030-L	
Color	1	Series color	Black	Series color	Series color	Series color	
	2	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	3	3	-	2	3	
	Rear speeds	-	-	8	-	-	
	Multi-bearing construction	0	-	-	-	-	
Brake lever	Reach adjust	Screw	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	
	SLR-EV	-	-	-	-	-	
	NEW SUPER SLR	X	X	X	X	X	
	SUPER SLR	-	-	-	-	-	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	-	X	X	X
		SIL-TEC	-	X	-	-	-
		Stainless	X	X	-	-	-
	Steel	-	-	X	X	X	
Average weight (g)		-	-	-	-	-	
Note			SHIMANO logo Compatible with Caliper/ Canti/Road disc brake Not compatible with V-BRAKE/Compact V-BRAKE				

Series		CLARIS	CLARIS	CLARIS	TOURNEY	TOURNEY	
Model no.		ST-R5200-R	ST-R5200-L	ST-R5203-L	ST-A070	ST-A073-L	
Color	1	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	3	2	3	
	Rear speeds	8	-	-	7	-	
	Multi-bearing construction	-	-	-	-	-	
Brake lever	Reach adjust	X	X	X	Screw	Screw	
	Clamp band (mm)	22.2	22.2	22.2	23.8 - 24.2	23.8 - 24.2	
	SLR-EV	-	-	-	-	-	
	NEW SUPER SLR	-	-	-	-	-	
	SUPER SLR	X	X	X	X	X	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	
		Rear derailleur side	OT-SP41 Sealed	OT-SP41 Sealed	OT-SP41 Sealed	OT-SIS40	OT-SIS40
	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	X *	X *
	Steel	X	X	X	-	-	
Average weight (g)		-	-	-	-	-	
Note					* Option	* Option	



Shift/Brake Lever (Hydraulic Disc Brake)

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	
Model no.		ST-R9120-R	ST-R9120-L	ST-R8020-R	ST-R8020-L	ST-R8025-R	ST-R8025-L	
Color	1	Series color	Series color	Series color	Series color	Black	Black	
	2	-	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	-	2	-	2	
	Rear speeds	11	-	11	-	11	-	
	Multi-bearing construction	-	-	-	-	-	-	
Brake lever	Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-
	Recommended brake caliper		BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-R8070	BR-R8070
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		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	23.8-24.2
	Funnel bleeding		X	X	X	X	X	X
	Free stroke adjust		X	X	X	X	X	X
SERVO WAVE		X	X	X	X	X	X	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900	
	Inner cable	Polymer-coated cable	X	X	X	X	X	X
		OPTISLICK	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average weight (g)		538 (/pair)	538 (/pair)	554 (/pair)	554 (/pair)	568 (/pair)	568 (/pair)	
Note						For small hand.	For small hand.	

Series		SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	
Model no.		ST-R7020-R	ST-R7020-L	ST-R7025-R	ST-R7025-L	ST-4720-R	ST-4720-L	
Color	1	Silky Black	Silky Black	Silky Black	Silky Black	Series color	Series color	
	2	-	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	-	2	-	2	
	Rear speeds	11	-	11	-	10	-	
	Multi-bearing construction	-	-	-	-	-	-	
Brake lever	Brake hose (kit)		SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-J-SSR SM-BH90-JK-SSR	
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-
	Recommended brake caliper		BR-R7070	BR-R7070	BR-R7070	BR-R7070	BR-4770	BR-4770
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		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	23.8-24.2
	Funnel bleeding		X	X	X	X	X	X
	Free stroke adjust		-	-	-	-	-	-
SERVO WAVE		-	-	-	-	-	-	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-SP41	OT-SP41
	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	X	X	X	X	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average weight (g)		610 (/pair)	610 (/pair)	619 (/pair)	619 (/pair)	-	-	
Note				For small hand.	For small hand.			

Series		TIAGRA	TIAGRA	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		ST-4725-R	ST-4725-L	ST-RS685-R	ST-RS685-L	ST-RS405-R	ST-RS405-L	
Color	1	Series color	Series color	Series color	Series color	Dark Gray	Dark Gray	
	2	-	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Shift lever	Front speeds	-	2	-	2	-	2	
	Rear speeds	10	-	11	-	10	10	
	Multi-bearing construction	-	-	-	-	-	-	
Brake lever	Brake hose (kit)		SM-BH90-J-SSR SM-BH90-JK-SSR	SM-BH90-J-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-J-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	White	White	-	-
	Recommended brake caliper		BR-4770	BR-4770	BR-RS785	BR-RS785	BR-RS405	BR-RS405
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		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	23.8-24.2
	Funnel bleeding		X	X	X	X	X	X
	Free stroke adjust		-	-	X	X	-	-
SERVO WAVE		-	-	X	X	-	-	
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
		Rear derailleur side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
	Inner cable	Polymer-coated cable	-	-	X	X	-	-
		OPTISLICK	X	X	-	-	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average weight (g)		-	-	649 (/pair)	649 (/pair)	-	-	
Note		For small hand.	For small hand.					

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Shift Lever

Series		DURA-ACE	SHIMANO	DURA-ACE	TIAGRA	TIAGRA	TIAGRA
Model no.		SL-BSR1	SL-R5700	SL-7900	SL-4700	SL-4703	SL-4603
Color	1	Series color	Black	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Shifter type		Bar end Shifter	RAPIDFIRE PLUS	Down Tube Shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2	2	2/3	2	3	3
Rear speeds		11	11	10	10	-	-
Compatible rear derailleur type		ROAD 11-speed	ROAD 11-speed	ROAD 10-speed	RD-4700	RD-4700	-
Mount type	Clamp band	-	X	-	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-
Shift lever cable adjust		-	X	-	X	X	X
Max. multiple shifts (main lever/rear)		-	4	-	4	-	-
Release function	MULTI RELEASE	-	*X (Right) / - (Left)	-	-	-	-
	INSTANT RELEASE	-	X	-	X (rear)	-	-
	2-WAY RELEASE	-	X	-	X	X	X
OPTICAL GEAR DISPLAY	With	-	-	-	X	X	X
	With (removable)	-	-	-	-	-	-
	Without	X	X	X	-	-	-
Multi-bearing construction		-	R:2 L:2	-	R:2 L:2	2	2
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	-	-	-	-	-
		SIL-TEC	X	X	X	-	-
		Stainless	X	X	X	X	X
		Steel	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		153 (/pair)	210 (/pair)	63 (/pair)	-	-	-
Note			* Pull: single Push: double				

Series		SHIMANO	DURA-ACE	SORA	SORA	SORA	SHIMANO
Model no.		SL-R460	SL-7700	SL-R3000-R	SL-R3000-L	SL-R3030-L	SL-R350-R
Color	1	Black	Series color	Series color	Series color	Series color	Black
	2	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	Down Tube Shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2	2/3	-	2	3	-
Rear speeds		10	9	9	-	10	9
Compatible rear derailleur type		ROAD 10-speed	ROAD 9-speed	RD-R3000	FD-R3000	FD-R3030	ROAD 9-speed
Mount type	Clamp band	X	-	X	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-
Shift lever cable adjust		X	-	X	X	X	X
Max. multiple shifts (main lever/rear)		4	-	3	-	-	3
Release function	MULTI RELEASE	-	-	-	-	-	-
	INSTANT RELEASE	X (right side)	-	-	-	-	-
	2-WAY RELEASE	X	-	X	X	X	X
OPTICAL GEAR DISPLAY	With	X	-	X	X	X	X
	With (removable)	-	-	-	-	-	-
	Without	-	X	-	-	-	-
Multi-bearing construction		R:2 L:2	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	-	-	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	X
		Steel	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		-	-	-	-	-	-
Note		SHIMANO logo					SHIMANO logo



Shift Lever

Series		SHIMANO	CLARIS	CLARIS	CLARIS	SHIMANO	SHIMANO A050	
Model no.		SL-R353	SL-R2000-R	SL-R2000-L	SL-R2030-L	SL-R400	SL-A050-7R	
Color	1	Black	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down Tube Shifter	Handle Bar Mount Shifter	
Front speeds		3	-	2	3	2/3	-	
Rear speeds		-	8	-	-	8	7	
Compatible rear derailleur type		-	ROAD 8-speed	-	-	ROAD 8-speed	ROAD 7-speed	
Mount type	Clamp band	X	X	X	X	-	X	
	I-SPEC B	-	-	-	-	-	-	
	I-SPEC II	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	
Shift lever cable adjust		X	X	X	X	-	-	
Max. multiple shifts (main lever/rear)		-	3	-	-	-	-	
Release function	MULTI RELEASE	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	X	-	-	
OPTICAL GEAR DISPLAY	With	X	X	X	X	-	-	
	With (removable)	-	-	-	-	-	-	
	Without	-	-	-	-	X	X	
Multi-bearing construction		-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	
		OPTISLICK	-	X	X	X	-	
		SIL-TEC	-	-	-	-	-	
		Stainless	X	-	-	-	X	-
		Steel	-	X	X	X	-	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	
Average weight (g)		-	-	-	-	-	-	
Note		SHIMANO logo						

Series		SHIMANO A050	SHIMANO	SHIMANO
Model no.		SL-A050-LN	SL-SY20A-7	SL-SY20A-6
Color	1	Series color	Series color	Series color
	2	-	-	-
Shifter type		Handle Bar Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter
Front speeds		2 (Friction)	2 (Friction)	2 (Friction)
Rear speeds		-	7	6
Compatible rear derailleur type		-	ROAD 7-speed	ROAD 6-speed
Mount type	Clamp band	X	-	-
	I-SPEC B	-	-	-
	I-SPEC II	-	-	-
Shift lever position adjust		-	-	-
Shift lever cable adjust		-	-	-
Max. multiple shifts (main lever/rear)		-	-	-
Release function	MULTI RELEASE	-	-	-
	INSTANT RELEASE	-	-	-
	2-WAY RELEASE	-	-	-
OPTICAL GEAR DISPLAY	With	-	-	-
	With (removable)	-	-	-
	Without	X	X	X
Multi-bearing construction		-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-
		OPTISLICK	-	-
		SIL-TEC	-	-
		Stainless	-	-
		Steel	X	X
Recommended shift lever outer casing		OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)		-	-	-
Note			Stem and brazed on, band types are available	Stem and brazed on, band types are available

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



ST/BL



SL



BL



BR



BR



BR



BR



BC



RD



FD



FC



BB



CS



HB



FH



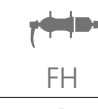
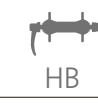
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HP

Brake Lever

Series		DURA-ACE	TIAGRA	SORA	CLARIS	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-TT79	BL-4700	BL-R3000	BL-R2000	BL-R780	BL-R550	BL-R400
Color	1	Black	Series color	Series color	Series color	Silver	Silver	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	-	-	-	-	-	-	-
	Diameter (mm)	*	22.2	22.2	22.2	22.2	22.2	23.8-24.2
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		-	-	-	-	-	-	-
SERVO WAVE		-	-	-	-	-	-	-
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 (g)		89 (/pair)	-	-	-	170 (/pair)	-	-
Note		* Fixation structure is expanding plug clamp, handle bar inside diameter: 19.0 - 22.5 dim, handle bar outside diameter: 22.2 - 24.0 dim.						



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	-
J-Kit spec (for OEM)		X
SERVO WAVE		-
Reach adjust	Toolless	-
	Tool	X
Free stroke adjust		-
Compatible shift lever mount	Clamp band	X
	I-SPEC B	-
	I-SPEC II	X
Clamp band	Open clamp	X
	Diameter (mm)	22.2
Recommended brake caliper		BR-RS405
Oil		SHIMANO Mineral
Funnel bleeding		X
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		
Note		

Brake (Caliper Brake)

Series	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	
Model no.	BR-R9200	BR-R9210-F	BR-R9210-RS	BR-R9100	BR-R9110-F	BR-R9110-R	BR-R9110-RS	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Type	SLR EV Dual Pivot	Direct mount type	Direct mount type	SLR EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	
Reach (mm)	51	51	51	51	51	51	51	
Brake shoe	Standard	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 R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4
Assembly pivot nut (mm)	Compatibility	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	
	Front (mm)	10.5	X	-	-	X	-	-
		12.5	X	-	-	X	-	-
		18.0	X	-	-	X	-	-
		27.0	X	-	-	X	-	-
		32.0	X	-	-	X	-	-
Rear (mm)	10.5	X	-	-	X	-	-	
Cartridge shoe holder	X	X	X	X	X	X	X	
Tire guide bumpers	X	X	X	X	X	X	X	
Quick release lever	X	X	X	X	X	-	X	
Shoe angle adjusting	X	X	X	X	X	X	X	
Spring tension adjusting	-	-	-	-	-	X	-	
Maximum tire size	28C	28C	28C	28C	28C	28C	28C	
Rim width	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	
Titanium cable fixing bolt	X	X	X	X	X	X	X	
Titanium pivot bolt	X	X (fixing bolt)	X (fixing bolt)	X	X (fixing bolt)	X (fixing bolt)	X (fixing bolt)	
Average weight (g)	327 (/pair)	150 (/pc)	148 (/pc)	326 (/pair)	150 (/pc)	139 (/pc)	148 (/pc)	
Note						Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.		

Series	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO	ULTEGRA	ULTEGRA	ULTEGRA	
Model no.	BR-R8100	BR-R8110-F	BR-R8110-RS	BR-R5811-R	BR-R8000	BR-R8010-F	BR-R8010-R	
Color	1	Series color	Series color	Black	Series color	Series color	Series color	
	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	
Reach (mm)	51	51	51	51	51	51	51	
Brake shoe	Standard	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 R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4
Assembly pivot nut (mm)	Compatibility	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	
	Front (mm)	10.5	X	-	-	X	-	-
		12.5	X	-	-	X	-	-
		18.0	X	-	-	X	-	-
		27.0	X	-	-	X	-	-
		32.0	X	-	-	X	-	-
Rear (mm)	10.5	X	-	-	X	-	-	
Cartridge shoe holder	X	X	X	X	X	X	X	
Tire guide bumpers	X	X	X	X	X	X	X	
Quick release lever	X	X	X	-	X	X	-	
Shoe angle adjusting	X	X	X	X	X	X	X	
Spring tension adjusting	-	-	-	X	-	-	X	
Maximum tire size	28C	28C	28C	28C	28C	28C	28C	
Rim width	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	
Titanium cable fixing bolt	-	-	-	-	-	-	-	
Titanium pivot bolt	-	-	-	-	-	-	-	
Average weight (g)	182 (Front) 180 (Rear)	180 (/pc)	178 (/pc)		182 (Front) 178 (Rear)	174 (/pc)	160 (/pc)	
Note				Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.			Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.	

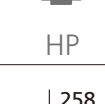
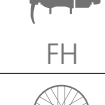
- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  ST/BL
-  SL
-  BL
-  BR
-  BR
-  BR
-  BR
-  BR
-  BC
-  RD
-  FD
-  FC
-  BB
-  CS
-  HB
-  FH
-  WH
-  HP

Brake (Caliper Brake)

Series		ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO 105
Model no.		BR-R8010-R5	BR-6800	BR-6810-F	BR-6810-R5	BR-R7000	BR-R7010-F	BR-R7010-R
Color	1	Series color	Series color	Series color	Series color	Silky black	Silky black	Silky black
	2	-	-	-	-	Spark silver	-	-
Type		Direct mount type	SLR EV Dual Pivot	Direct mount type	Direct mount type	SLR EV Dual Pivot	Direct mount type	Direct mount type
Reach (mm)		51	51	51	51	51	51	51
Brake shoe	Standard	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4
	Optional choice	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 R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4	R55C4 Carbon R55C4-A Carbon R55CT4
Compatibility		SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV	SLR EV
Assembly pivot nut (mm)	Front (mm)	10.5	-	X	-	X	-	-
		12.5	-	X	-	X	-	-
		18.0	-	X	-	X	-	-
		27.0	-	X	-	X	-	-
		32.0	-	X	-	X	-	-
Rear (mm)	10.5	-	X	-	X	-	-	
Cartridge shoe holder		X	X	X	X	X	X	X
Tire guide bumpers		X	X	X	X	X	X	X
Quick release lever		X	X	X	X	X	X	-
Shoe angle adjusting		X	X	X	X	X	X	X
Spring tension adjusting		-	X	-	-	-	-	X
Maximum tire size		28C	25C	28C	28C	28C	28C	28C
Rim width		20.8 - 28 mm	*19 - 28 mm	*19 - 28 mm	*19 - 28 mm	20.8 - 28 mm	20.8 - 28 mm	20.8 - 28 mm
Titanium cable fixing bolt		-	-	-	-	-	-	-
Titanium pivot bolt		-	-	-	-	-	-	-
Average weight (g)		172 (/pc)	335 (/pair)	173 (/pc)	168 (/pc)	379 (/pair)	174 (/pc)	173 (/pc)
Note			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)	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 quick release feature.

Series		SHIMANO 105	TIAGRA	SORA	CLARIS	SHIMANO	SHIMANO
Model no.		BR-R7010-R5	BR-4700	BR-R3000	BR-R2000	BR-R561	BR-R451
Color	1	Silky black	Series color	Series color	Series color	Silver	Black
	2	-	-	-	-	Black	Silver
Type		Direct mount type	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	SUPER SLR Dual Pivot
Reach (mm)		51	51	51mm	51mm	49	57
Brake shoe	Standard	R55C4	R50T5	R50T5	R50T5	R55C3	R50T2
	Optional choice	R55C4 Carbon R55C4-A Carbon R55CT4	R50T4	R50T4	R50T4	R55C for Ceramic rim R55C3 for Carbon rim	-
Compatibility		SLR EV	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR	SUPER SLR
Assembly pivot nut (mm)	Front (mm)	10.5	-	X	X	X	X
		12.5	-	X	X	X	X
		18.0	-	X	X	X	X
		27.0	-	X	X	X	X
		32.0	-	X	X	X	-
Rear (mm)	10.5	-	X	X	X	X	
Cartridge shoe holder		X	-	-	-	X	-
Tire guide bumpers		X	-	-	-	-	-
Quick release lever		X	X	X	X	X	X
Shoe angle adjusting		X	X	X	X	X	X
Spring tension adjusting		-	-	-	-	-	-
Maximum tire size		28C	28C	28 mm	28 mm	28C	32C
Rim width		20.8 - 28 mm	19 - 26 mm	19 - 28 mm	19 - 26 mm	19 - 26 mm	19 - 26 mm
Titanium cable fixing bolt		-	-	-	-	-	-
Titanium pivot bolt		-	-	-	-	-	-
Average weight (g)		174 (/pc)	-	-	-	-	-
Note						Maximum tire size: 28 mm	Quick release lever wider open Maximum tire size: 32 mm



Brake (Hydraulic Disc Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO 105
Model no.		BR-R9270	BR-R9170-F	BR-R9170-R	BR-R8170	BR-R8070-F	BR-R8070-R	BR-R7070-F
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Silky black
	2	-	-	-	-	-	-	Spark silver
	3	-	-	-	-	-	-	-
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-JK-SSR	SM-BH90-JK-SSR	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-BH90-JK-SSR, SM-BH90-J-SSR
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
ICE TECHNOLOGIES pad compatible caliper		X	X	X	X	X	X	X
Pad	Standard 1	K03Ti Resin	K02Ti Resin K03Ti Resin	K02Ti Resin K03Ti Resin	K03S Resin	K02S Resin K03S Resin	K02S Resin K03S Resin	K02S Resin K03S Resin
	Standard 2	L03A Resin	L02A Resin L03A Resin	L02A Resin L03A Resin	L03A Resin	L02A Resin L03A Resin	L02A Resin L03A Resin	L02A Resin L03A Resin
	Option 1	K04Ti Metal	K04Ti Metal	K04Ti Metal	L04C Metal	K04S Metal	K04S Metal	K04S Metal
	Option 2	L04C Metal	L04C Metal	L04C Metal	-	L04C Metal	L04C Metal	L04C Metal
Fixing screw spec for rear mount	10 mm mount	X	-	-	X	-	X	-
	15 mm mount	X	-	-	X	-	X	-
	20 mm mount	X	-	X	X	-	X	-
	25 mm mount	X	-	X	X	-	X	-
	30 mm mount	X	-	X	X	-	X	-
	35 mm mount	X	-	-	X	-	X	-
	15.2 mm	-	-	-	-	-	-	-
18.7 mm	-	-	-	-	-	-	-	
Recommended brake lever		ST-R9270 ST-R9180	ST-R9180 ST-R9170 ST-R9120	ST-R9180 ST-R9170 ST-R9120	ST-R8170	ST-R8070 ST-R8020	ST-R8070 ST-R8020	ST-R7020 ST-R7025
Recommended disc brake rotor		RT-MT900	SM-RT900	SM-RT900	RT-MT800	SM-RT800	SM-RT800	SM-RT70
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		Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount
Piston		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	4 mm
	Anti loosen method	Bolt fix pin, snap ring	Bolt fix pin, snap ring	Bolt fix pin	Bolt fix pin, snap ring	Bolt fix pin, snap ring	Bolt fix pin	Bolt fix pin, snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		229 (/pair)	133 (/pc)	123 (/pc)	146 (Front) 136 (Rear)	148 (/pc)	138 (/pc)	147 (/pc)
Note		-	-	-	-	-	-	-

Series		SHIMANO 105	TIAGRA	TIAGRA	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-R7070-R	BR-4770-F	BR-4770-R	BR-RS785	BR-RS405-F	BR-RS405-R
Color	1	Silky black	Series color	Series color	Series color (ULTEGRA)	Dark Gray	Dark Gray
	2	Spark silver	-	-	-	-	-
	3	-	-	-	-	-	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH90-JK-SSR SM-BH90-J-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
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	White	-	-
J-Kit spec (for OEM)		X	X	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		X	-	-	X	X	X
Pad	Standard 1	K02S Resin K03S Resin	K03S Resin	K03S Resin	J02A Resin J03A Resin	K02S Resin K03S Resin	K02S Resin K03S Resin
	Standard 2	L02A Resin L03A Resin	K04S Metal	K04S Metal	J04C Metal	-	-
	Option 1	K04S Metal	L03A-R	L03A-R	G02A Resin G03A Resin	L02A Resin L03A Resin	L02A Resin L03A Resin
	Option 2	L04C Metal	-	-	G03S Metal	-	-
Fixing screw spec for rear mount	10 mm mount	X	-	X	-	-	X
	15 mm mount	X	-	X	-	-	X
	20 mm mount	X	-	X	-	-	X
	25 mm mount	X	-	X	-	-	X
	30 mm mount	X	-	X	-	-	X
	35 mm mount	X	-	X	-	-	X
	15.2 mm	-	-	-	-	-	-
18.7 mm	-	-	-	X	-	-	
Recommended brake lever		ST-R7020 ST-R7025	ST-4720 ST-4725	ST-4720 ST-4725	ST-R8070	ST-RS405 BL-RS600	ST-RS405 BL-RS600
Recommended disc brake rotor		SM-RT70	SM-RT64	SM-RT64	SM-RT99	SM-RT70	SM-RT70
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
ONE WAY BLEEDING		X	X	X	X	X	X
Mount type		Flat mount	Flat mount	Flat mount	Post-mount	Flat mount	Flat mount
Piston		2	2	2	2	2	2
Caliper		MONO-BODY	-	-	-	-	-
Caliper fixing bolt	Tool size	4 mm	4 mm	4 mm	5 mm	4 mm	4 mm
	Anti loosen method	Bolt fix pin	Bolt fix pin, snap ring	Bolt fix pin	Snap ring	Bolt fix pin, snap ring	Bolt fix pin
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		138 (/pc)	-	-	271 (/pair)	-	-
Note		-	-	-	-	-	-

MTB
TREKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



ST/BL



SL



BL



BR



BR



BR



BR



BC



RD



FD



FC



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CS



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WH

HP

Brake (Mechanical Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		BR-R317	BR-RS305-F	BR-RS305-R
Color	1	Black	Black	Black
	2	-	-	-
Brake type		Mechanical disc brake	Mechanical disc brake	Mechanical disc brake
Compatibility		NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
ICE TECHNOLOGIES pad compatible caliper		-	X	X
Pad	Standard 1	G03S Resin	K03S Resin	K03S Resin
	Standard 2	-	-	-
	Option 1	-	L03A Resin	L03A Resin
	Option 2	-	-	-
Fixing screw 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		BL-R2000	-	-
Recommended disc brake rotor		SM-RT54 (160 mm), SM-RT70 (140 mm)	SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)	SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)
Mount type		Post mount	Flat mount	Flat mount
Piston		1	1	1
Caliper		MONO-BODY	-	-
Caliper fixing bolt	Tool size	5 mm	4 mm	4 mm
	Anti loosen method	Snap ring	Bolt fix pin/snap ring	Bolt fix pin
Pad mount		Pad axle	Pad axle	Pad axle
Average weight (g)		-	-	-
Note		SHIMANO logo	SHIMANO logo	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 screw length (mm)	16	X
	25	X
Fixing screw		Chamfered screw
POWER MODULATOR		-
Linear spring		X
Threaded brake shoe post		X
Average weight (g)		-
Note		SHIMANO logo

Brake (Cantilever Brake)

Series		SHIMANO
Model no.		BR-CX50
Color	1	Silver
	2	-
Brake type		Cantilever brake
Reach		-
Brake shoe	Standard	R50T2
	Optional choice	-
Compatibility		NEW SUPER SLR
Assembly pivot nut (mm)		-
Cartridge shoe holder		-
Tire guide bumpers		-
Quick release lever		-
Toe-in adjust		X
Spring tension adjusting		X
Average weight (g)		175
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	Material	Stainless steel	Stainless steel	Steel
	Coated	Polymer-coated cable	Polymer-coated cable	-
Outer casing		Prelubricated casings	X	-
Note				



Rear Derailleur

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		RD-R9100-SS	RD-9000-SS	RD-R8000-SS	RD-R8000-GS	RD-6800-SS
Pulley cage		SS	SS	SS	GS	SS
Color	1	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-
Rear speeds		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
Top-normal spring type	SHIMANO SHADOW RD	X	-	X	X	-
	SHIMANO SHADOW RD+	-	-	-	-	-
	Double servo	-	X	-	-	X
Mount	Direct attachment (conventional)	X*	X	X*	X*	X
	Riveted adapter (road type)	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-
Cable adjuster		X	X	X	X	X
Max. front difference		16T	16T	16T	16T	16T
Total capacity		35T	33T	35T	39T	33T
Low sprocket	Max.	30T	28T	30T	34T	28T
	Min.	25T	23T	25T	28T	23T
Top sprocket	Max.	14T	14T	14T	12T	14T
	Min.	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	4	4	4	4
Pulley	Guide pulley bearing	X	X	X	X	X
	Tension pulley bearing	X	X	X	X	X
	Teeth	11T	11T	11T	11T	11T
	Sunken type pulley screw	X	X	X	X	X
B-axle	Hollow axle	X	X	X	X	X
B-axle 2	Hollow axle	-	-	-	-	-
Average weight (g)		158	158	200	210	195
Note		* w/o Bracket spec available		* w/o Bracket spec available		* w/o Bracket spec available

Series		ULTEGRA	ULTEGRA RX	SHIMANO 105	SHIMANO 105	SHIMANO 105
Model no.		RD-6800-GS	RD-RX800-GS	RD-R7000-SS	RD-R7000-GS	RD-S701-SS
Pulley cage		GS	GS	SS	GS	SS
Color	1	Series color	Series color	Silky black	Silky black	Black
	2	-	-	Spark silver	Spark silver	Silver
Rear speeds		11	11	11	11	10
Compatible chain		HG-EV 11-speed/HG-X11	HG-X11	HG-EV 11-speed/HG-X11	HG-EV 11-speed/HG-X11	HG 10-speed
Top-normal spring type	SHIMANO SHADOW RD	-	-	X	X	-
	SHIMANO SHADOW RD+	-	X	-	-	-
	Double servo	X	-	-	-	X
Mount	Direct attachment (conventional)	X	X*	X*	X*	X
	Riveted adapter (road type)	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-
Cable adjuster		X	X	X	X	X
Max. front difference		16T	16T	16T	16T	16T
Total capacity		37T	39T	35T	39T	34T
Low sprocket	Max.	32T	34T	30T	34T	30T
	Min.	28T	28T	25T	28T	25T
Top sprocket	Max.	12T	11T	14T	12T	14T
	Min.	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	4	2	2	2
Pulley	Guide pulley bearing	X	X	-	-	-
	Tension pulley bearing	X	X	-	-	-
	Teeth	11T	11T	11T	11T	11T
	Sunken type pulley screw	X	X	X	X	X
B-axle	Hollow axle	X	X	-	-	-
B-axle 2	Hollow axle	-	-	-	-	-
Average weight (g)		207	248	225	232	230
Note			* w/o bracket spec available	* w/o Bracket spec available	* w/o Bracket spec available	

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



ST/BL



SL



BL



BR



BR



BR



BR



BC



RD



FD



FC



BB



CS



HB



FH



WH



HP

Rear Derailleur

Series		SHIMANO 105	TIAGRA	TIAGRA	SORA	SORA
Model no.		RD-5701-GS	RD-4700-SS	RD-4700-GS	RD-R3000-SS	RD-R3000-GS
Pulley cage		GS	SS	GS	SS	GS
Color	1	Black	Series color	Series color	Series color	Series color
	2	Silver	-	-	-	-
Rear speeds		10	10	10	9	9
Compatible chain		HG 10-speed	HG-X Chain	HG-X Chain	HG 9-speed	HG 9-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
	Riveted adapter (road type)	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-
Cable adjuster		X	X	X	X	X
Max. front difference		16T (Front double) 22T (Front triple)	16T	16T (Front double) 20T (Front triple)	16T	20T
Total capacity		40T	33T	41T	37T	43T
Low sprocket	Max.	32T (Front double) 30T (Front triple)	28T	34T (Front double) 32T (Front triple)	32T	34T
	Min.	27T (Front double) 25T (Front triple)	25T	28T (Front double) 25T (Front triple)	25T	28T
Top sprocket	Max.	12T (Front double) 14T (Front triple)	14T	12T	14T	14T
	Min.	11T	11T	11T	11T	11T
Fluoric coated link bushings		2	2	2	2	2
Pulley	Guide pulley bearing	-	-	-	-	-
	Tension pulley bearing	-	-	-	-	-
	Teeth	11T	11T	11T	11T	11T
	Sunken type pulley screw	X	X	X	-	-
B-axle	Hollow axle	-	-	-	-	-
B-axle 2	Hollow axle	-	-	-	-	-
Average weight (g)		243	-	-	-	-
Note						

Series		SHIMANO	CLARIS	CLARIS	TOURNEY A070
Model no.		RD-R350-GS	RD-R2000-SS	RD-R2000-GS	RD-A070
Pulley cage		GS	SS	GS	Smart
Color	1	Black	Series color	Series color	Series color
	2	-	-	-	-
Rear speeds		9	8	8	7
Compatible chain		HG 9-speed	HG 8-speed	HG 8-speed	HG
Top-normal spring type	SHIMANO SHADOW RD	-	-	-	-
	SHIMANO SHADOW RD+	-	-	-	-
	Double servo	X	X	X	-
Mount	Direct attachment (conventional)	X	X	X	X
	Riveted adapter (road type)	-	-	-	X
	Riveted adapter (BMX-track type)	-	-	-	-
Cable adjuster		X	X	X	X
Max. front difference		20T	16T	20T	20T
Total capacity		41T	37T	43T	37T
Low sprocket	Max.	32T	32T	34T	28T
	Min.	25T	25T	28T	28T
Top sprocket	Max.	14T	13T	13T	14T
	Min.	11T	11T	11T	11T
Fluoric coated link bushings		2	-	-	-
Pulley	Guide pulley bearing	-	-	-	-
	Tension pulley bearing	-	-	-	-
	Teeth	11T	11T	11T	11T/13T
	Sunken type pulley screw	X	X	X	-
B-axle	Hollow axle	-	-	-	-
B-axle 2	Hollow axle	-	-	-	-
Average weight (g)		-	-	-	-
Note		SHIMANO logo			

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec
-  ST/BL
-  SL
-  BL
-  BR
-  BR
-  BR
-  BR
-  BR
-  BC
-  RD
-  FD
-  FC
-  BB
-  CS
-  HB
-  FH
-  WH
-  HP

Front Derailleur

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Model no.		FD-R9100-F	FD-R9100-B	FD-9000-F	FD-9000-B	FD-R8000-F	FD-R8000-B
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2
Rear speeds		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
Action	TOP SWING	-	-	-	-	-	-
	Down swing	X	X	X	X	X	X
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	-	X (w/ S size adapter)	-	X (w/ S size adapter)
		31.8	-	X	-	X	-
		34.9	-	X	-	X	-
	Brazed-on	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
Chainstay angle (deg.)		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
Total capacity		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
Average weight (g) (band type: L size, direct type w/ screw)		70	85	66	78	92	106
Note							

Series		ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105
Model no.		FD-6800-F	FD-6800-B	FD-R7000-F	FD-R7000-B	FD-5700-F	FD-5703-F
Color	1	Series color	Series color	Silky black	Silky black	Black	Black
	2	-	-	Spark silver	Spark silver	Silver	Silver
Front speeds		2	2	2	2	2	3
Rear speeds		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 10-speed	HG 10-speed
Action	TOP SWING	-	-	-	-	-	-
	Down swing	X	X	X	X	X	X
Mount	Clamp band (mm)	28.6	-	X (w/ S size adapter)	-	X (w/ S size adapter)	-
		31.8	-	X	-	X	-
		34.9	-	X	-	X	-
	Brazed-on	X	-	X	-	X	X
Cable adjust		-	-	X	X	-	-
Top-pull exclusive option		-	-	-	-	-	-
Chain line (mm)		43.5	43.5	43.5	43.5	43.5	45
Chainstay angle (deg.)		61 - 66	61 - 66	61 - 66	61 - 66	61 - 66	63 - 66
Top gear teeth		46-53T	46-53T	46-53T	46-53T	50-56T	50T
Total capacity		16T	16T	16T	16T	16T	20T
Applicable top-mid tooth difference		-	-	-	-	-	11T
Angled clamp band design		-	-	-	X	-	-
Multi-bearing construction		-	-	-	-	-	-
Link bushings		7	7	7	7	-	-
Average weight (g) (band type: L size, direct type w/ screw)		89	104	95	111	89	114
Note				-	-		

Series		TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SHIMANO
Model no.		FD-4700-F	FD-4700-B	FD-4703-F	FD-4703-B	FD-CX70-F-T	FD-CX70-F-D
Color	1	Series color	Series color	Series color	Series color	Gray	Gray
	2	-	-	-	-	-	-
Front speeds		2	2	3	3	2	2
Rear speeds		10	10	10	10	10	10
Compatible chain		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
Mount	Clamp band (mm)	28.6	-	X*	-	X*	-
		31.8	-	X	-	X	-
		34.9	-	X	-	X	-
	Brazed-on	X	-	X	-	X	X
Cable adjust		-	-	-	-	-	-
Top-pull exclusive option		-	-	-	-	X	-
Chain line (mm)		43.5	43.5	45	45	43.5	43.5
Chainstay angle (deg.)		61 - 66	61 - 66	63 - 66	63 - 66	63 - 66	63 - 66
Top gear teeth		46-52T	46-52T	50T	50T	46-52T	46-52T
Total capacity		16T	16T	20T	20T	16T	16T
Applicable top-mid tooth difference		-	-	11T	11T	-	-
Angled clamp band design		-	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-
Link bushings		-	-	-	-	7	7
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	92	87
Note			* 28.6 mm Clamp band: 31.8 mm w/ Adapter		* 28.6 mm Clamp band: 31.8 mm w/ Adapter		

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Front Derailleur

Series		SORA	SORA	SORA	SORA	SHIMANO	CLARIS
Model no.		FD-R3000-F	FD-R3000-B	FD-R3030-F	FD-R3030-B	FD-R353-B	FD-R2000-F
Color	1	Series color	Series color	Series color	Series color	Black	Series color
	2	-	-	-	-	-	-
Front speeds		2	2	3	3	3	2
Rear speeds		9	9	9	9	9	8
Compatible chain		-	-	-	-	HG 9-speed	HG 8-speed
Action	TOP SWING	-	-	-	-	-	-
	Down swing	X	X	X	X	X	X
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	-	X (w/ S size adapter)	-	-
		31.8	-	X (w/ M size adapter)	-	X (w/ M size adapter)	-
		34.9	-	X	-	X	-
	Brazed-on	X	-	X	-	-	X
Cable adjust		-	-	-	-	-	-
Top-pull exclusive option		-	-	-	-	-	-
Chain line (mm)		43.5	43.5	45	45	45	43.5
Chainstay angle (deg.)		61 - 66	61 - 66	63 - 66	63 - 66	63 - 66	61 - 66
Top gear teeth		46-52T	46-52T	50T	50T	50T	46-52T
Total capacity		16T	16T	20T	20T	20T	16T
Applicable top-mid tooth difference		-	-	11T	11T	11T	-
Angled clamp band design		X	X	X	X	-	X
Multi-bearing construction		-	-	-	-	-	-
Link bushings		-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-
Note						SHIMANO logo	

Series		CLARIS	CLARIS	CLARIS	TOURNEY	TOURNEY
Model no.		FD-R2000-B	FD-R2030-F	FD-R2030-B	FD-A070-A	FD-A073
Color	1	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-
Front speeds		2	3	3	2	3
Rear speeds		8	8	8	7	7
Compatible chain		HG 8-speed	HG 8-speed	HG 8-speed	HG	HG
Action	TOP SWING	-	-	-	-	-
	Down swing	X	X	X	X	X
Mount	Clamp band (mm)	28.6	X (w/ S size adapter)	-	X (w/ S size adapter)	X (w/ S size adapter)
		31.8	X (w/ M size adapter)	-	X (w/ M size adapter)	X (w/ M size adapter)
		34.9	X	-	X	X
	Brazed-on	-	X	-	-	-
Cable adjust		-	-	-	-	-
Top-pull exclusive option		-	-	-	-	-
Chain line (mm)		43.5	45	45	43.5	45
Chainstay angle (deg.)		61 - 66	63 - 66	63 - 66	61 - 66	63 - 66
Top gear teeth		46-52T	50T	50T	50T	50T
Total capacity		16T	20T	20T	16T	20T
Applicable top-mid tooth difference		-	11T	11T	-	11T
Angled clamp band design		X	X	X	X	X
Multi-bearing construction		-	-	-	-	-
Link bushings		-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-
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Crankset

Series		DURA-ACE	ULTEGRA	DURA-ACE	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO
Model no.		FC-R9200	FC-R8100	FC-R9100	FC-9000	FC-R8000	FC-R7000	FC-R5510
Color	1	Series color	Series color	Series color	Series color	Series color	Silky black	Black
	2	-	-	-	-	-	Spark silver	-
Rear speeds		12	12	11	11	11	11	11
Compatible chain		CN-M9100	CN-M8100	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)		44.5	44.5	43.5	43.5	43.5	43.5	43.5
P.C.D. (mm)		110	110	110	110	110	110	110
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		54-40T 52-36T 50-34T	52-36T 50-34T	55-42T 54-42T 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	52-36T 50-34T 46-36T
Q-factor (mm)		148	148	146	146	146	146	150
Crank arm length (mm)	160	X	X	-	-	-	X	-
	165	X	X	X	X	X	X	X
	167.5	X	-	X	X	-	-	-
	170	X	X	X	X	X	X	X
	172.5	X	X	X	X	X	X	X
	175	X	X	X	X	X	X	X
	177.5	X	-	X	X	-	-	-
	180	-	-	X	X	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	X	X	X	X	-
2-PIECE CRANKSET		-	-	-	-	-	-	X
HOLLOWTECH crank arm		X	X	X	X	X	X	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		X	X	X	X	X - (46-36T)	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-R9100	SM-BBR60	BB-R9100	BB-R9100	SM-BBR60	SM-BBR60	BB-R5500
	Press-Fit	SM-BB92-41B	SM-BB72-41B	SM-BB92-41B	SM-BB92-41B	SM-BB72-41B	SM-BB72-41B	BB-R5500-PB
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)				650 (55-42T) 642 (54-42T) 626 (53-39T) 624 (52-36T) 614 (50-34T)	639 (55-42T) 632 (54-42T) 618 (53-39T) 622 (52-38T) 618 (52-36T) 610 (50-34T)	690 (53-39T) 681 (52-36T) 674 (50-34T) 668 (46-36T)	713.4 (50-34T) 742.6 (52-36T) 757.8 (53-39T)	908 (50-34T)
Note								

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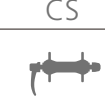
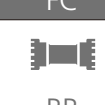
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Crankset

Series		DURA-ACE	SHIMANO 105	SHIMANO 105	SHIMANO	TIAGRA	TIAGRA	SHIMANO
Model no.		FC-7710	FC-5750	FC-5703	FC-CX50	FC-4700	FC-4703	FC-R460
Color	1	Series color	Black	Black	Silver	Series color	Series color	Black
	2	-	-	-	Black	-	-	-
Rear speeds		-	10	10	10	10	10	10
Compatible chain		1/2 x 1/8 1/2 x 3/32	HG 10-speed	HG 10-speed	HG 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Chain line (mm)		42.5	43.5	45	43.5	43.5	45	43.5
P.C.D. (mm)		144	110	130/74	110	110	110/74	110
Spider/gear arms		5	5	5	5	4	4	5
Chaining combination		45T to 55T (1/2 x 1/8, 1/2 x 3/32)	50-34T	50-39-30T	46-36T	52-36T 50-34T 48-34T	50-39-30T	48-34T 46-34T
Q-factor (mm)		136.3	146	154.76	150	150	158.8	149.9
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	X	X	X	-	X	X	X
	167.5	X	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	X	X	X	X	X	X	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II 2-PIECE CRANKSET		-	X	X	-	-	-	-
HOLLOWTECH crank arm		X	X	X	-	-	-	-
OCTALINK		X	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	-	X	X	X	X	X	X
	OCTALINK	X	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-7710, BB-7700	SM-BB5700	SM-BB5700	BB-RS500	BB-RS500	BB-RS500	BB-RS500
	Press-Fit	-	SM-BB71-41B	SM-BB71-41B	SM-BB71-41B	BB-RS500-PB	BB-RS500-PB	SM-BB71-41B
Axle length of BB-UN/E5 (mm)	Threaded (normal)	109.5	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		566 (52T, 1/2 inch x 1/8 inch)	716	831	798	-	-	-
Note								SHIMANO logo



Crankset

Series		SHIMANO	SORA	SORA	SORA	SORA	SHIMANO	CLARIS
Model no.		FC-RS400	FC-R3030	FC-R3030-CG	FC-R3000	FC-R3000-CG	FC-R345	FC-R2030
Color	1	Black	Series color	Series color	Series color	Series color	Silver	Series color
	2	-	-	-	-	-	Black	-
Rear speeds		10	9	9	9	9	9	8
Compatible chain		HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8-speed
Chain line (mm)		43.5	45	45	43.5	43.5	43.5	45
P.C.D. (mm)		110	110/74	130/74	110	110	110	110/74
Spider/gear arms		5	4	5	4	5	5	4
Chaining combination		50-34T	50-39-30T	50-39-30T	50-34T	50-34T	50-34T	50-39-30T
Q-factor (mm)		150.3	158.8	158.8	150	150	152.2	158.8
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	X	X	X	X	-	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	X	-	X	X	-
	Without chain/bash guard	X	X	-	X	-	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	X	-	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	X	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	-	X
	OCTALINK	-	-	-	-	-	X	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-RS500	BB-ES300	BB-RS500
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	BB-RS500-PB
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-	-	-	-	113	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	X	X	X	X	X	X	X
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-	-
Note				w/ Chain guard spec.		w/ Chain guard spec.		

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Crankset

Series		CLARIS	CLARIS	CLARIS	SHIMANO	TOURNEY A070	TOURNEY
Model no.		FC-R2030-CG	FC-R2000	FC-R2000-CG	FC-RS200	FC-A070	FC-A073
Color	1	Series color	Series color	Series color	Black	Series color	Series color
	2	-	-	-	-	-	-
Rear speeds		8	8	8	8	7/8	7/8
Compatible chain		HG 8-speed	HG 8-speed	HG 8-speed	HG 8-speed	HG	HG
Chain line (mm)		45	43.5	43.5	43.5	43.5	45
P.C.D. (mm)		110/74	110	110	110	Riveted	Riveted
Spider/gear arms		4	4	4	5	5	5
Chainring combination		50-39-30T	50-34T	50-34T	50-34T 46-34T	50-34T	50-39-30T
Q-factor (mm)		158.8	150	150	153.7	169	171.5
Crank arm length (mm)	160	-	-	-	-	-	-
	165	X	X	X	X	X	X
	167.5	-	-	-	-	-	-
	170	X	X	X	X	X	X
	172.5	-	-	-	-	-	-
	175	X	X	X	X	-	-
	177.5	-	-	-	-	-	-
Optional chain guard	With chain guard	X	-	X	X	X	X
	Without chain/bash guard	-	X	-	X	X	X
HOLLOWTECH II 2-PIECE CRANKSET		X	X	X	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	-	-	-
	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	X	X	X
Recommended bottom bracket	Threaded (normal)	BB-RS500	BB-RS500	BB-RS500	BB-UN300	BB-UN300	BB-UN300
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	-	-
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-	-	MM110	MM110	LL113
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X
	70	X	X	X	X	X	X
Crank fixing screw included		X	X	X	X	-	-
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-
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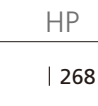
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Crankset (Power Meter)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Model no.		FC-R9200-P	FC-R9200-P w/o gears	FC-R9100-P	FC-R9100-P w/o gears	FC-R8100-P	FC-R8100-P w/o gears
Chainring combination		54-40T 52-36T 50-34T	-	53-39T 52-36T 50-34T	-	52-36T 50-34T	-
Crank arm length (mm)	160	-	X	-	-	-	X
	165	X (52-36T)	X	-	X	X (52-36T) - (50-34T)	X
	167.5	-	X	-	X	-	-
	170	X	X	X	X	X	X
	172.5	X	X	X	X	X	X
	175	X	X	X	X	X	X
	177.5	-	X	-	X	-	-
Force measurement	Right side	X	X	X	X	X	X
	Left side	X	X	X	X	X	X
	Number of strain sensor	24	24	24	24	24	24
Cadence measurement	Magnet	X	X	X	X	X	X
	Accelerometer	-	-	-	-	-	-
Accuracy (%)		-	-	±2	±2	-	-
LED for system status		X	X	X	X	X	X
Number of control button		1	1	1	1	1	1
Zero offset	By control button	X	X	X	X	X	X
	By device	X	X	X	X	X	X
Active temperature compensation		X	X	X	X	X	X
Battery	Type	Lithium ion	X	X	X	X	X
		Coin cell	-	-	-	-	-
	Life	300 h or longer	300 h or longer	300 h or longer	300 h or longer	300 h or longer	300 h or longer
	Charging port	X	X	X	X	X	X
Charging cable		EW-EC300	EW-EC300	Included	Included	EW-EC300	EW-EC300
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X
Di2 connectivity wired	Di2 shifting		-	-	-	-	-
	Di2 shifting		-	-	-	-	-
Di2 connectivity wireless	Bluetooth® LE	Cycling power	X	X	X	X	X
		Bicycle power	X	X	X	X	X
	ANT+	Adjust mode Information	-	-	-	-	-
		Di2 battery level	-	-	-	-	-
		Gear position	-	-	-	-	-
		SHIMANO STEPS data items (*3)	-	-	-	-	-
		Compatible with E-TUBE RIDE	X	X	X	X	X
		Compatible with E-TUBE PROJECT	X	X	X	X	X
	ANT private (*2)	Adjust mode Information	-	-	-	-	-
		Di2 battery level	-	-	-	-	-
		Gear position	-	-	-	-	-
		SHIMANO STEPS data items (*3)	-	-	-	-	-
SD50 port (pcs)		0	0	0	0	0	0
SD300 port (pcs)		0	0	0	0	0	0
SD50 connector (pcs)		0	0	0	0	0	0
SD300 connector (pcs)		0	0	0	0	0	0
Average weight (g) (170 mm, w/o bottom bracket)		-	-	696 (53-39T) 695 (52-36T) 685 (50-34T)	-	-	-
<p>Note</p> <p>*1 Bluetooth LE custom has compatibility with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile.</p> <p>*2 ANT private has compatibility with ANT+ cycle computer but not freely open profile.</p> <p>*3 SHIMANO STEPS data items will be shown only when connected to SHIMANO STEPS bike</p>		* Crankset specifications not listed here are the same as FC-R9200	* Crankset specifications not listed here are the same as FC-R9200	* Crankset specifications not listed here are the same as FC-R9100 Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah Rated capacity: 2.442 Wh	* Crankset specifications not listed here are the same as FC-R9100 Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah Rated capacity: 2.442 Wh	* Crankset specifications not listed here are the same as FC-R8100	* Crankset specifications not listed here are the same as FC-R8100

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



ST/BL



SL



BL



BR



BR



BR



BR



BC



RD



FD



FC



BB



CS



HB



FH



WH



HP



HP

Bottom Bracket (HOLLOWTECH II)

Series		DURA-ACE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-R9100	SM-BB92-41	SM-BB72-41	SM-BBR60	BB-RS500	BB-RS500-P
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	X	-	-	X	X	-
	Press-Fit type	-	X	X	-	-	X
Threaded bottom bracket shell width (mm)	68	X	-	-	X	X	-
	70	X	-	-	X	X	-
Press-Fit bottom bracket shell width (mm)	86.5	-	X (SM-BB92-41B)	X (SM-BB72-41B)	-	-	X (BB-RS500-PB)
Small ball bearing		X	X	X	X	-	-
Average weight (g)		65	54	69	77	92	71
Note							

Bottom Bracket

Series		DURA-ACE	DURA-ACE	SHIMANO 105	TIAGRA	
Model no.		BB-7700	BB-7710	BB-5500	BB-ES51	
Spindle	Hollow pipe	X	X	X	X	
	OCTALINK	X	X	X	X	
	Square type	-	-	-	-	
Axle length/shell width (mm)	109.5	68 (BC1.37)	X	X	X (for double)	-
		70 (M36)	X	-	X (for double)	-
	MM110	68 (BC1.37)	-	-	-	-
		70 (M36)	-	-	-	-
	LL113	68 (BC1.37)	-	-	-	-
		70 (M36)	-	-	-	-
	113	68 (BC1.37)	-	-	-	X (for double)
		70 (M36)	-	-	-	X (for double)
	118.5	68 (BC1.37)	-	-	X (for triple)	-
		70 (M36)	-	-	X (for triple)	-
	121	68 (BC1.37)	-	-	-	X (for triple)
	Average weight (g)		173	244	-	-
Note		-	For track	-	-	

Cassette Sprocket

Series		DURA-ACE	ULTEGRA	DURA-ACE	ULTEGRA	SHIMANO
Model no.		CS-R9200-12	CS-R8100-12	CS-R9100	CS-R8000	CS-HG800-11
Type		HYPERGLIDE+	HYPERGLIDE+	HG-EV	HG-EV	HG-EV
Rear speeds		12-speed	12-speed	11-speed	11-speed	11-speed
Compatible chain		HG 12-speed	HG 12-speed	HG-X11/CN-LG 11-speed	HG-X11/CN-LG 11-speed	HG-X11/CN-LG 11-speed
Combination name (Group name)		11-28T 11-30T 11-34T	11-30T 11-34T	11-25T 11-28T 11-30T 12-25T 14-28T 11-32T	11-25T 11-28T 11-30T 12-25T 14-28T 11-32T	11-34T
Combination * Titanium gear	1	11-12-13-14-15-16-17*-18*-19*-21*-24*-28*T	11-12-13-14-15-16-17-19-21-24-27-30T	11-12-13-14-15-16-17*-19*-21*-23*-25*T	11-12-13-14-15-16-17-19-21-23-25T	11-13-15-17-19-21-23-25-27-30-34T
	2	11-12-13-14-15-16-17*-19*-21*-24*-27*-30*T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19*-21*-23*-25*-28*T	11-12-13-14-15-17-19-21-23-25-28T	-
	3	11-12-13-14-15-17*-19*-21*-24*-27*-30*-34*T	-	11-12-13-14-15-17-19*-21*-24*-27*-30*T	11-12-13-14-15-17-19-21-24-27-30T	-
	4	-	-	12-13-14-15-16-17-18*-19*-21*-23*-25*T	12-13-14-15-16-17-18-19-21-23-25T	-
	5	-	-	12-13-14-15-16-17-19*-21*-23*-25*-28*T	14-15-16-17-18-19-20-21-23-25-28T	-
	6	-	-	-	11-12-13-14-16-18-20-22-25-28-32T	-
	7	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	1	1	-
Aluminum spider arm	QTY (pcs)	2	2	1	1	2
Steel spider arm	QTY (pcs)	-	-	-	-	-
Titanium gear	QTY (pcs)	6 (11-28T, 11-30T) 7 (11-34T)	0	5	0	0
Aluminum gear	QTY (pcs)	0	0	0	0	0
Steel gear	QTY (pcs)	6 (11-28T, 11-30T) 5 (11-34T)	12	6	11	11
Average weight (g)				175 (11-25T) 193 (11-28T) 211 (11-30T) 189 (12-25T) 205 (12-28T)	232 (11-25T) 251 (11-28T) 269 (11-30T) 243 (12-25T) 300 (14-28T) 292 (11-32T)	335
Note						



Cassette Sprocket

Series		SHIMANO 105	SHIMANO 105	ULTEGRA	SHIMANO 105	SHIMANO
Model no.		CS-R7000	CS-HG700-11	CS-6700	CS-5700	CS-HG500-10
Type		HG-EV	HG-EV	HG	HG	HG
Rear speeds		11-speed	11-speed	10-speed	10-speed	10-speed
Compatible chain		HG-X11/CN-LG 11-speed	HG-X11/CN-LG 11-speed	HG 10-speed	HG 10-speed	HG-X 10-speed/HG 10-speed/CN-HG500
Combination name (Group name)		11-28T 11-30T 11-32T 12-25T	11-34T	11-25T 11-28T 12-25T 12-30T	11-25T 11-28T	11-25T 12-28T 11-32T 11-34T
Combination * Titanium gear	1	11-12-13-14-15-17-19-21-23-25-28T	11-13-15-17-19-21-23-25-27-30-34T	11-12-13-14-15-17-19-21-23-25T	11-12-13-14-15-17-19-21-23-25T	11-12-13-14-15-17-19-21-23-25T
	2	11-12-13-14-15-17-19-21-24-27-30T	-	11-12-13-14-15-17-19-21-24-28T	11-12-13-14-15-17-19-21-24-28T	12-13-14-15-17-19-21-23-25-28T
	3	11-12-13-14-16-18-20-22-25-28-32T	-	12-13-14-15-16-17-19-21-23-25T	-	11-12-14-16-18-20-22-25-28-32T
	4	12-13-14-15-16-17-18-19-21-23-25T	-	12-13-14-15-17-19-21-24-27-30T	-	11-13-15-17-19-21-23-26-30-34T
	5	-	-	-	-	-
	6	-	-	-	-	-
	7	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	1	1	1	-
Steel spider arm	QTY (pcs)	-	-	-	-	-
Titanium gear	QTY (pcs)	0	0	0	0	0
Aluminum gear	QTY (pcs)	0	0	0	0	0
Steel gear	QTY (pcs)	11	11	10	10	10
Average weight (g)		284 (11-28T) 304 (11-30T) 320 (11-32T) 269 (12-25T)	379	229 (11-25T) 242 (11-28T) 238 (11-25T) - (12-30T)	245 (11-25T) 255 (11-28T)	-
Note		-	-	-	-	-

Series		SORA	SORA	CLARIS	TOURNEY A070	TOURNEY A070
Model no.		CS-HG50-9	CS-HG400-9	CS-HG50-8	CS-HG41-7	CS-HG20-7
Type		HG	HG	HG	HG	HG
Rear speeds		9-speed	9-speed	8-speed	7-speed	7-speed
Compatible chain		HG 9-speed	HG 9-speed	CN-HG71	IG/HG	IG/HG
Combination name (Group name)		11-30T (bQ) 12-25T 13-25T 14-25T	11-25T (G)	11-28T (bf) 11-30T (an) 11-32T (aw) 11-34T (Ca) 12-23T (U) 12-25T (W) 13-26T (V)	11-28T (ac)	12-28T (E)
Combination * Titanium gear	1	11-12-14-16-18-20-23-26-30T (bQ)	11-12-13-15-17-19-21-23-25T (G)	11-13-15-17-19-21-24-28T (bf)	11-13-15-18-21-24-28T (ac)	12-14-16-18-21-24-28T (E)
	2	12-13-14-15-17-19-21-23-25T	-	11-13-15-17-20-23-26-30T (an)	-	-
	3	13-14-15-16-17-19-21-23-25T	-	11-13-15-18-21-24-28-32T (aw)	-	-
	4	14-15-16-17-18-19-21-23-25T	-	11-13-15-18-21-24-28-34T (Ca)	-	-
	5	-	-	12-13-14-15-17-19-21-23T (U)	-	-
	6	-	-	12-13-15-17-19-21-23-25T (W)	-	-
	7	-	-	13-14-15-17-19-21-23-26T (V)	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	-	-	-
Titanium gear	QTY (pcs)	0	0	0	0	0
Aluminum gear	QTY (pcs)	0	0	0	0	0
Steel gear	QTY (pcs)	9	9	8	7	7
Average weight (g)		-	-	-	-	-
Note		-	NEW gear combination	-	-	-

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Front Hub (Rim/Disc Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO 105
Model no.		HB-9000	HB-7710	HB-7600	HB-6800	HB-R7000	HB-R7070
Color	1 Hub shell	Series color	Silver	Silver	Series color	Silky black	Silky black
	1 Quick release	Series color	Silver	Silver	Series color	Black	-
	2 Hub shell	-	-	-	-	Spark silver	-
	2 Quick release	-	-	-	-	Black	-
Brake type		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	CENTER LOCK disc brake
O.L.D. (mm)		100	100 (Front), 120 (Rear)	100 (Front), 120 (Rear)	100	100	100
Spoke hole	24H	X	-	-	-	-	-
	28H	X	X	X	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
Axle fixing method		Quick release	Nut	Nut	Quick release	Quick release	12 mm E-THRU
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	X	-	-	X	X	-
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	59.6
Offset (mm)		0	0 (Front) 2.75 (Single Thread, Rear) 0 (Double Thread, Rear)	0(Front) 5.25(Rear)	0	0	6
P.C.D. left / right (mm)		38	38 (Front), 44 (Rear)	67	40	38	44
Flange diameter (mm)		48.4	46 (Front), 52 (Rear)	75	50.4	48.4	52.8
Seal		Labyrinth & Contact	Dust Cap	Dust Cap	Labyrinth & Contact	Contact	Contact
Internal grease sleeve		X	-	-	X	X	X
Digital adjustment system		X	-	-	X	-	-
Radial lacing		X	-	-	X	X	-
Average weight (g) (w/o axle and lock ring)		120	298 (rear w/ lock ring), 203 (front)	313 (rear LF w/ lock ring), 241 (front LF)	158	155	165
Note		* Aero spoke hole available(18H/24H) ** Super Finishing	For Track * Dishing Distance R (Single Thread): 2.75 mm /(Double Thread): 0			-	-



Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY A070
Model no.		HB-RS770	HB-RS400	HB-RS470	HB-RS300	HB-RM40
Color	1 Hub shell	Black/Silver	Black	Black	Silver	Black
	1 Quick release	-	Black	-	Silver	Black
	2 Hub shell	-	Silver	-	Black	Silver
	2 Quick release	-	Black	-	Black	Black
Brake type		CENTER LOCK disc brake	Rim brake	CENTER LOCK disc brake	Rim brake	Rim brake
O.L.D. (mm)		100	100	100	100	100
Spoke hole	24H	-	-	-	-	-
	28H	X	X	X	X	-
	32H	X	X	X	X	X
	36H	X	X	-	X	X
Axle fixing method		12 mm E-THRU	Quick release	12 mm E-THRU	Quick release	Quick release
Quick release skewer length (mm)	129	-	-	-	X	X
	133	-	X	-	X	X
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-
	100 x 12	X	-	X	-	-
	100 x 15	-	-	-	-	-
	110 x 20	-	-	-	-	-
Flange distance (mm)		59.6	71.6	59.6	71.6	71.6
Offset (mm)		6	0	6.3	0	0
P.C.D. left / right (mm)		44	38	44	38	38
Flange diameter (mm)		52.8	48.4	52.8	48.4	46
Seal		Labyrinth & Contact	Contact	Contact	Contact	-
Internal grease sleeve		-	X	X	-	-
Digital adjustment system		-	-	-	-	-
Radial lacing		-	X	X	X	-
Average weight (g) (w/o axle and lock ring)		125	-	-	-	-
Note		-	-	-	-	-

FREEHUB (Rim/Disc Brake)

Series	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO	SHIMANO	
Model no.	FH-9000	FH-6800	FH-R7000	FH-R7070	FH-RS770	FH-RS400	
Color	1 Hub shell	Series color	Series color	Silky black	Silky black	Black/Silver	Black
	1 Quick release	Series color	Series color	Black	Black	-	Black
	2 Hub shell	-	-	Spark silver	-	-	Silver
	2 Quick release	-	-	Black	-	-	Black
Brake type	Rim brake	Rim brake	Rim brake	CENTER LOCK disc brake	CENTER LOCK disc brake	Rim brake	
Rear speeds	11/10*	11/10*	11/10*	11/10*	11/10*	11/10	
O.L.D. (mm)	130	130	130	142	142	130	
Spoke hole	24H	X	-	-	-	-	-
	28H	X	-	-	-	X	X
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	-	-	-	-	-
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	-	-	X	X	-
CENTER LOCK mount cover option	-	-	-	X	-	-	
Axle fixing method	Quick release	Quick release	Quick release	12mm E-THRU	12mm E-THRU	Quick release	
Quick release skewer length (mm)	161	-	-	-	-	-	
	163	X	X	X	-	X	
	166	-	-	-	-	-	
	168	X	X	X	-	X	
	170	-	-	-	-	-	
	173	-	-	-	-	-	
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	
	135 x 12	-	-	-	-	-	
	142 x 12	-	-	-	X	X	
	148 x 12	-	-	-	-	-	
	150 x 12	-	-	-	-	-	
Flange distance (mm)	56.9 **	56.9	56.9	55.7	55.7	56.9	
Offset (mm)	9.75 **	9.7	9.75	7.45	7.5	9.75	
P.C.D. left / right (mm)	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	
Seal	Hub	Contact	Contact	Contact	Contact	Contact	
	FREEHUB body	Contact	Contact	Contact	Contact	Contact	
Internal grease sleeve	X	X	X	X	-	X	
Digital adjustment system	X	X	-	-	-	-	
Quick release lever Color	9000SLV	Black	Black	-	-	Black	
Radial lacing	-	-	-	-	-	-	
Average weight (g) (w/o axle, quick release nor lock ring)	247	330	368	361	302	-	
Note	<p>* 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.</p>						

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  ST/BL
-  SL
-  BL
-  BR
-  BR
-  BR
-  BR
-  BR
-  BC
-  RD
-  FD
-  FC
-  BB
-  CS
-  HB
-  FH
-  WH
-  HP

FREEHUB (Rim/Disc Brake)

Series		SHIMANO	SHIMANO	TOURNEY A070	SHIMANO	SHIMANO
Model no.		FH-RS470	FH-RS300	FH-RM30-7-QR	FH-TY500-7-QR	FH-TY500-7-NT
Color	1 Hub shell	Black	Silver	Silver	Black	Black
	1 Quick release	-	Silver	Silver	-	-
	2 Hub shell	-	Black	-	-	-
	2 Quick release	-	Black	-	-	-
Brake type		CENTER LOCK disc brake	Rim brake	Rim brake	Rim brake	Rim brake
Rear speeds		11/10*	8/9/10	7	7	7
O.L.D. (mm)		142	130	130	130	130
Spoke hole	24H	-	-	-	-	-
	28H	X	X	-	-	-
	32H	X	X	X	X	X
	36H	-	X	-	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-
	Without	-	-	-	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-
	Without	X	-	-	X	X
CENTER LOCK mount cover option		-	-	-	-	-
Axle fixing method		12mm E-THRU	Quick release	Quick release	Quick release	Nut
Quick release skewer length (mm)	161	-	-	X	X	-
	163	-	X	-	-	-
	166	-	-	-	-	-
	168	-	X	-	-	-
	170	-	-	-	-	-
	173	-	-	-	-	-
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)		55.7	57.9	59.2	57.4	57.4
Offset (mm)		7.45	8.4	5.5	7.1	7.1
P.C.D. left / right (mm)		44/45	45	45	45	45
Flange diameter left / right (mm)		52.8/53.8	53.8	53.8	53.8	53.8
Seal	Hub	Contact	Contact	-	-	-
	FREEHUB body	Contact	Contact	-	-	-
Internal grease sleeve		X	X	-	-	-
Digital adjustment system		-	-	-	-	-
Quick release lever	Color	-	Black	Black	Black	-
Radial lacing		-	-	-	-	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-	-	-	-
Note	* Can be used for 10-speed with an additional spacer				O.L.D.: 135 mm Available (Refer to MTB FREEHUB specification table)	O.L.D.: 135 mm Available (Refer to MTB FREEHUB specification table)



ST/BL



SL



BL



BR



BR



BR



BR



BC



RD



FD



FC



BB



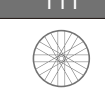
CS



HB



FH



WH



HP

Wheel (Disc Brake)

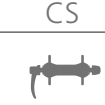
Series	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model no.	WH-R9270-C60-HR-TU-F	WH-R9270-C60-HR-TU-R	WH-R9270-C60-HR-TL-F	WH-R9270-C60-HR-TL-R	WH-R9270-C50-TU-F	WH-R9270-C50-TU-R	WH-R9270-C50-TL-F
Model name	WH-R9270-C60-HR-TU	WH-R9270-C60-HR-TU	WH-R9270-C60-HR-TL	WH-R9270-C60-HR-TL	WH-R9270-C50-TU	WH-R9270-C50-TU	WH-R9270-C50-TL
Specification	F	R	F	R	F	R	F
Color	1 Hub shell	Series Color	Series Color	Series Color	Series Color	Series Color	Series Color
	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front/Rear	Front	Rear	Front	Rear	Front	Rear	Front
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
Rear speeds	-	12	-	12	-	12	-
O.L.D. (mm)	100	142	100	142	100	142	100
Wheel size	700C	700C	622 x 21C	622 x 21C	700C	700C	622 x 21C
Rim	Height (mm)	60	60	60	60	50	50
	Internal width (mm)	-	-	21	21	-	21
	External width (mm)	28	28	28	28	28	28
	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	-	-	X	X	-	-
Spokes	Number	24	24	24	24	24	24
	Straight pull	X	X	X	X	X	X
	Bladed	X	X	X	X	X	X
	Butted	X	X	X	X	X	X
	Diameter	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.5-2.0
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
Quick release skewer length (mm)	133	-	-	-	-	-	-
	163	-	-	-	-	-	-
	168	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-	-
	100 x 12	X	-	X	-	X	-
	142 x 12	-	X	-	X	-	X
Spline type	new HG spline(ROAD 12-speed)	-	X	-	X	-	X
	HG spline (ROAD 11/12-speed)	-	-	-	-	-	-
Engagement type	-	Direct engagement	-	Direct engagement	-	Direct engagement	-
Disc mount	CENTER LOCK	X	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X	X
OPTBAL (2:1)	X	X	X	X	-	X	-
D2 rim	X	X	X	X	X	X	X
Digital adjustment system	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	Contact	Contact	Contact	Contact
Internal grease sleeve	-	-	-	-	-	-	-
Tire	Type	Tubular	Tubular	Tubeless	Tubeless	Tubular	Tubular
	Recommended size	25-28 inch - 32-28 inch	25-28 inch - 32-28 inch	25-622 - 32-622	25-622 - 32-622	25-28 inch - 32-28 inch	25-28 inch - 32-28 inch
Compatible spoke protector	-	CP-WR92C	-	CP-WR92C	-	CP-WR92A	-
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
	AS	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
	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	668	769	751	858	609	722	673
Note							

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



Wheel (Disc Brake)

Series	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Model no.	WH-R9270-C50-TL-R	WH-R9270-C36-TU-F	WH-R9270-C36-TU-R	WH-R9270-C36-TL-F	WH-R9270-C36-TL-R	WH-R8170-C60-TL-F	WH-R8170-C60-TL-R
Model name	WH-R9270-C50-TL	WH-R9270-C36-TU	WH-R9270-C36-TU	WH-R9270-C36-TL	WH-R9270-C36-TL	WH-R8170-C60-TL	WH-R8170-C60-TL
Specification	R	F	R	F	R	F	R
Color	1 Hub shell	Series Color	Series Color	Series Color	Series Color	Series Color	Series Color
	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front/Rear	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
Rear speeds	12	-	12	-	12	-	11/12
O.L.D. (mm)	142	100	142	100	142	100	142
Wheel size	622 x 21C	700C	700C	622 x 21C	622 x 21C	622 x 21C	622 x 21C
Rim	Height (mm)	50	36	36	36	60	60
	Internal width (mm)	21	-	-	21	21	21
	External width (mm)	28	28	28	28	28	28
	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
Spokes	Requires rim tape	X	-	-	X	X	X
	Number	24	24	24	24	24	24
	Straight pull	X	X	X	X	X	X
	Bladed	X	X	X	X	X	X
	Butted	X	X	X	X	X	X
	Diameter	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	2.0-1.6-2.0
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
Quick release skewer length (mm)	133	-	-	-	-	-	-
	163	-	-	-	-	-	-
	168	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-	-
	100 x 12	-	X	-	X	-	-
	142 x 12	X	-	X	-	X	X
Spline type	new HG spline(ROAD 12-speed)	X	-	X	-	X	-
	HG spline (ROAD 11/12-speed)	-	-	-	-	-	X
Engagement type	Direct engagement	-	Direct engagement	-	Direct engagement	-	Pawl ratchet
Disc mount	CENTER LOCK	X	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X	X
OPTBAL (2:1)	X	-	X	-	X	-	X
D2 rim	X	X	X	X	X	X	X
Digital adjustment system	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	-	Contact	-	Contact	Contact
Internal grease sleeve	-	-	-	-	-	X	X
Tire	Type	Tubeless	Tubular	Tubular	Tubeless	Tubeless	Tubeless
	Recommended size	25-622 - 32-622	25-28 inch - 32-28 inch	25-28 inch - 32-28 inch	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622
Compatible spoke protector	CP-WR92A	-	CP-WR92A	-	CP-WR92A	-	CP-WR81A
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
	AS	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
	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	786	519	631	620	730	737	910
Note							



Wheel (Disc Brake)

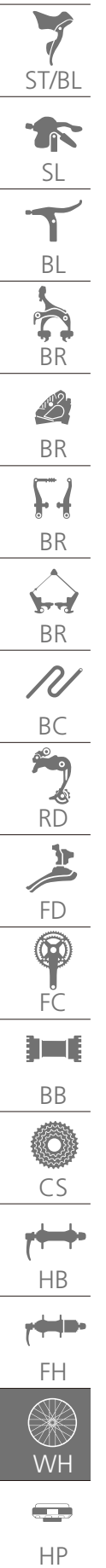
Series	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE	SHIMANO	
Model no.	WH-R8170-C50-TL-F	WH-R8170-C50-TL-R	WH-R8170-C36-TL-F	WH-R8170-C36-TL-R	WH-R9170-C60-TU-F12	WH-R9170-C60-TU-R12	WH-RS370-TL-F12	
Model name	WH-R8170-C50-TL	WH-R8170-C50-TL	WH-R8170-C36-TL	WH-R8170-C36-TL	WH-R9170-C60-TU	WH-R9170-C60-TU	WH-RS370-TL	
Specification	F	R	F	R	F12	R12	F12	
Color	1 Hub shell	Series Color	Series Color	Series Color	Series color	Series color	Black	
	1 Quick release	-	-	-	-	-	-	
	2 Hub shell	-	-	-	-	-	-	
	2 Quick release	-	-	-	-	-	-	
Front/Rear	Front	Rear	Front	Rear	Front	Rear	Front	
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	Disc brake	
Rear speeds	-	11/12	-	11/12	-	10*11	-	
O.L.D. (mm)	100	142	100	142	100	142	100	
Wheel size	622 x 21C	622 x 21C	622 x 21C	622 x 21C	700C	700C	622 x 19C	
Rim	Height (mm)	50	50	36	36	60	60	19
	Internal width (mm)	21	21	21	21	-	-	-
	External width (mm)	28	28	28	28	28	28	24.6
	Rim joint	-	-	-	-	-	-	Welded
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-	-
Requires rim tape	X	X	X	X	-	-	X	
Spokes	Number	24	24	24	24	24	24	
	Straight pull	X	X	X	X	X	X	
	Bladed	X	X	X	X	X	X	
	Butted	X	X	X	X	X	X	
Diameter	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	
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	
Quick release skewer length (mm)	133	-	-	-	-	-	-	
	163	-	-	-	-	-	-	
	168	-	-	-	-	-	-	
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-	-	
	100 x 12	X	-	X	-	X	X	
	142 x 12	-	X	-	X	-	X	
Spline type	new HG spline (ROAD 12-speed)	-	-	-	-	-	-	
	HG spline (ROAD 11/12-speed)	-	X	-	X	-	X	
Engagement type	-	Pawl ratchet	-	Pawl ratchet	-	-	-	
Disc mount	CENTER LOCK	X	X	X	X	X	X	
	CENTER LOCK mount cover option	-	-	-	-	-	-	
	140 mm disc brake rotor compatible	X	X	X	X	X	X	
OPTBAL (2:1)	-	X	-	X	-	X	-	
D2 rim	X	X	X	X	X	X	X	
Digital adjustment system	-	-	-	-	-	-	-	
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	
	FREEHUB body	-	Contact	-	Contact	-	Contact	
Internal grease sleeve	X	X	X	X	X	X	X	
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubular	Tubular	
	Recommended size	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	23-622 - 32-622	23-622 - 32-622	28-622 - 45-622
Compatible spoke protector	-	CP-WR81A	-	CP-WR81A	-	CP-W1460	-	
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	
	AS	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	
	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	
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	697	871	656	831	678	829	890	
Note						* The adapter is needed to use 10-speed cassette sprocket	-	

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  ST/BL
-  SL
-  BL
-  BR
-  BR
-  BR
-  BR
-  BC
-  RD
-  FD
-  FC
-  BB
-  CS
-  HB
-  FH
-  WH
-  HP

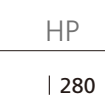
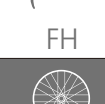
Wheel (Disc Brake)

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	WH-RS370-TL-R12	WH-RS171-CL-F12-700C	WH-RS171-CL-F12-650B	WH-RS171-CL-R12-700C	WH-RS171-CL-R12-650B	WH-RX010-CL-F	WH-RX010-CL-R
Model name	WH-RS370-TL	WH-RS171-CL	WH-RS171-CL	WH-RS171-CL	WH-RS171-CL	WH-RX010-CL	WH-RX010-CL
Specification	R12	F12-700c	F12-650b	R12-700c	R12-650b	F	R
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	Black	Black
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front/Rear	Rear	Front	Front	Rear	Rear	Front	Rear
Brake type	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
Rear speeds	10*/11	-	-	10*/11	10*/11	-	10*/11
O.L.D. (mm)	142	100	100	142	142	100	135
Wheel size	622 x 19C	622 x 19C (700c)	584 x 19C (650b)	622 x 19C (700c)	584 x 19C (650b)	622 x 17C	622 x 17C
Rim	Height (mm)	19	19	19	19	19	24
	Internal width (mm)	-	-	-	-	-	-
	External width (mm)	24.6	24.6	24.6	24.6	24.6	23
	Rim joint	Welded	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
Spokes	Requires rim tape	X	X	X	X	X	X
	Number	24	28	28	28	28	28
	Straight pull	X	-	-	-	-	-
	Bladed	-	-	-	-	-	-
Spokes	Butted	-	-	-	-	-	-
	Diameter	2.0-1.8-2.0	2	2	2	2	2
	Axle fixing method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release
Quick release skewer length (mm)	133	-	-	-	-	X	-
	163	-	-	-	-	-	-
	168	-	-	-	-	-	-
	168	-	-	-	-	-	X
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-	-
	100 x 12	-	X	X	-	-	-
	142 x 12	X	-	-	X	X	-
	142 x 12	X	-	-	X	X	-
Spline type	new HG spline (ROAD 12-speed)	-	-	-	-	-	-
	HG spline (ROAD 11/12-speed)	X	-	X	-	X	X
Engagement type	-	-	-	Pawl ratchet	Pawl ratchet	-	Pawl ratchet
Disc mount	CENTER LOCK	X	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X	X
OPTBAL (2:1)	-	-	-	-	-	-	-
D2 rim	-	-	-	-	-	-	-
Digital adjustment system	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	-	-	Contact	Contact	Contact
Internal grease sleeve	X	X	X	X	X	X	X
Tire	Type	Tubeless	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	28-622 - 45-622	28-622 - 42-622	28-584 - 42-584	28-622 - 42-622	28-584 - 42-584	25-622 - 38-622
Compatible spoke protector	CP-FH08 (23T-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 11/10-speed)	-	-	-	CP-FH08 (23T-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 11/10-speed)	CP-FH08 (23T-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 11/10-speed)	CP-FH08/CP-WH12 (11-speed), CP-FH40/CP-FH41/CP-WH12 (10-speed)
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
	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
	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	1090	897	867	1098	1067	982	1177
Note	* The adapter is needed to use 10-speed cassette sprocket			* The adapter is needed to use 10-speed cassette sprocket	* The adapter is needed to use 10-speed cassette sprocket		* The adapter is needed to use 10-speed cassette sprocket



Wheel (Rim Brake)

Series	DURA-ACE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.	WH-R9100-C60-TU-R	WH-RS700-C30-TL-F	WH-RS700-C30-TL-R	WH-RS500-TL-F	WH-RS500-TL-R	WH-RS300-CL-F	WH-RS300-CL-R	
Model name	WH-R9100-C60-TU-R	WH-RS700-C30-TL	WH-RS700-C30-TL	WH-RS500-TL	WH-RS500-TL	WH-RS300-CL	WH-RS300-CL	
Specification	R	F	R	F	R	F	R	
Color	1 Hub shell	Series color	Silver	Silver	Silver	Silver	Black	Black
	1 Quick release	Series color	Silver	Silver	Silver	Silver	Black	Black
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
Front/Rear	Rear	Front	Rear	Front	Rear	Front	Rear	
Brake type	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	
Rear speeds	10*/11	-	10*/11	-	10*/11	-	10*/11	
O.L.D. (mm)	130	100	130	100	130	100	130	
Wheel size	700C	622 x 15C	622 x 15C	622 x 15C	622 x 15C	622 x 17C	622 x 17C	
Rim	Height (mm)	60	24	31	24	24	24	24
	Internal width (mm)	-	20.8	20.8	20.8	20.8	23.2	23.2
	External width (mm)	28	-	-	-	-	-	-
	Rim joint	-	Welded	Welded	Welded	Welded	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	X	X	-	-
	OFFSET RIM	-	-	X	-	X	-	X
	Requires rim tape	-	X	X	-	-	18-622	18-622
Spokes	Number	21	16	21	16	20	16	20
	Straight pull	X	X	X	X	X	X	X
	Bladed	X	X	X	X	X	X	X
	Butted	X	X	X	X	X	X	X
	Diameter	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2	2
Axle fixing method	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release	
Quick release skewer length (mm)	133	-	X	-	X	-	X	-
	163	X	-	X	-	X	-	X
	168	X	-	X	-	X	-	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-	-
Spline type	new HG spline(ROAD 12-speed)	-	-	-	-	-	-	-
	HG spline (ROAD 11/12-speed)	X	-	X	-	X	-	X
Engagement type	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	
Disc mount	CENTER LOCK	-	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-	-
OPTBAL (2:1)	X	-	X	-	-	-	-	
D2 rim	X	-	-	-	-	-	-	
Digital adjustment system	X	-	-	X	X	-	-	
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	
	FREEHUB body	Contact	-	Contact	-	Contact	-	
Internal grease sleeve	X	X	X	X	X	X	X	
Tire	Type	Tubular	Tubeless	Tubeless	Tubeless	Tubeless	Clincher	Clincher
	Recommended size	23-28 - 28-28	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
Compatible spoke protector	CP-W124	-	CP-W124	-	CP-WH23 (23-28T) CP-W120 (32T) CP-W020 (10-speed)	-	CP-WH23 (23-28T) CP-W120 (32T)	
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
	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
	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	830	616	924	705	944	770	1057	
Note	* The adapter is needed to use 10-speed cassette sprocket		* The adapter is needed to use 10-speed cassette sprocket		* The adapter is needed to use 10-speed cassette sprocket	-	* The adapter is needed to use 10-speed cassette sprocket	



Wheel (Rim Brake)

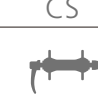
Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	WH-RS330-CL-F	WH-RS330-CL-R	WH-RS100-CL-F	WH-RS100-CL-R	WH-RS010-CL-F	WH-RS010-CL-R	WH-R501-A-CL-F
Model name	WH-RS330-CL	WH-RS330-CL	WH-RS100-CL	WH-RS100-CL	WH-RS010-CL	WH-RS010-CL	WH-R501-A-CL
Specification	F	R	F	R	F	R	F
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	Black	Black
	2 Hub shell	-	-	-	-	-	Silver
	2 Quick release	-	-	-	-	Black	Black
Front/Rear	Front	Rear	Front	Rear	Front	Rear	Front
Brake type	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Rear speeds	-	10*/11	-	10*/11	-	10*/11	-
O.L.D. (mm)	100	130	100	130	100	130	100
Wheel size	622 x 15C	622 x 15C	622 x 17C	622 x 17C	622 x 15C	622 x 15C	622 x 15C
Rim	Height (mm)	30	30	24	24	24	24
	Internal width (mm)	20.8	20.8	23.2	23.2	20.8	20.8
	External width (mm)	-	-	-	-	-	-
	Rim joint	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	X	-	X	-	X
	Requires rim tape	X	X	18-622	18-622	X	X
Spokes	Number	16	21	20	24	20	20
	Straight pull	X	X	-	-	-	-
	Bladed	X	X	-	-	-	X
	Butted	X	X	-	-	-	-
	Diameter	2	2	2	2	2	2
Axle fixing method	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	133	X	-	X	-	X	X
	163	-	X	-	X	-	X
	168	-	X	-	X	-	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	-
Spline type	new HG spline(ROAD 12-speed)	-	-	-	-	-	-
	HG spline (ROAD 11/12-speed)	-	X	-	X	-	X
Engagement type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	-
Disc mount	CENTER LOCK	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-
OPTBAL (2:1)	-	X	-	-	-	-	-
D2 rim	-	-	-	-	-	-	-
Digital adjustment system	-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal grease sleeve	X	X	-	-	-	-	-
Tire	Type	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
Compatible spoke protector	-	CP-W124	-	CP-WH24 CP-FH53 (34T)	-	CP-WH24 CP-FH53 (34T)	-
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
	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
	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	875	1176	827	1105	818	1102	820
Note		* The adapter is needed to use 10-speed cassette sprocket	-	* The adapter is needed to use 10-speed cassette sprocket		* The adapter is needed to use 10-speed cassette sprocket	

MTB
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Wheel (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		WH-R501-A-CL-R	WH-R501-CL-F	WH-R501-CL-R
Model name		WH-R501-A-CL	WH-R501-CL	WH-R501-CL
Specification		R	F	R
Color	1 Hub shell	Black	Black	Black
	1 Quick release	Black	Black	Black
	2 Hub shell	Silver	Silver	Silver
	2 Quick release	Black	Black	Black
Front/Rear		Rear	Front	Rear
Brake type		Rim brake	Rim brake	Rim brake
Rear speeds		8/9/10	-	8/9/10
O.L.D. (mm)		130	100	130
Wheel size		622 x 15C	622 x 15C	622 x 15C
Rim	Height (mm)	24	24	24
	Internal width (mm)	20.8	20.8	20.8
	External width (mm)	-	-	-
	Rim joint	Sleeved	Sleeved	Sleeved
	Brazed reinforcement	-	-	-
	OFFSET RIM	-	-	-
	Requires rim tape	X	X	X
Spokes	Number	24	20	24
	Straight pull	-	-	-
	Bladed	X	-	-
	Butted	-	-	-
	Diameter	2	2	2
Axle fixing method		Quick release	Quick release	Quick release
Quick release skewer length (mm)	133	-	X	-
	163	X	-	X
	168	X	-	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-
	142 x 12	-	-	-
Spline type	new HG spline(ROAD 12-speed)	-	-	-
	HG spline (ROAD 11/12-speed)	X	-	X
Engagement type		Pawl ratchet	-	Pawl ratchet
Disc mount	CENTER LOCK	-	-	-
	CENTER LOCK mount cover option	-	-	-
	140 mm disc brake rotor compatible	-	-	-
OPTBAL (2:1)		-	-	-
D2 rim		-	-	-
Digital adjustment system		-	-	-
Seal	Hub	Contact	Contact	Contact
	FREEHUB body	Contact	-	Contact
Internal grease sleeve		-	-	-
Tire	Type	Clincher	Clincher	Clincher
	Recommended size	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
Compatible spoke protector		CP-FH06 CP-FH31 CP-FH46 CP-WH24	-	CP-FH06 CP-FH31 CP-FH46 CP-WH24
Reflector	JIS/CPSC	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
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		1069	820	1069
Note				



Head Parts

Series	DURA-ACE
Model no.	HP-7410
Size	JIS ENGLISH
Thread	BC 1 x 24 T.P.I.
Sealed cartridge bearings	X
Stack height (mm)	37.6
Average weight (g)	101
Note	

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7001-11	SG-S7001-8	SG-C7002-5CD	SG-C7000-5V	SG-C7000-5R	SG-C7000-5C	SG-C7000-5D	SG-C6011-8V	SG-C6011-8R
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	Coaster brake, Special disc brake mount for SM-RTC60	V-BRAKE	INTER-M	Coaster Brake	CENTER LOCK disc brake	V-BRAKE	INTER-M
	Recommended model	-	BR-S7000	BR-M6100 BR-MT420	-	BR-C6000 BR-C3010 BR-C3000	-	-	-	BR-C6000 BR-C3010 BR-C3000
Rear speeds		11	8	5	5	5	5	5	8	8
Gear ratio	Total	409%	307%	263%	263%	263%	263%	263%	307%	307%
	1	0.527	0.527	1	1	1	1	1	0.527	0.527
	2	0.681	0.644	1.277	1.277	1.277	1.277	1.277	0.644	0.644
	3	0.770	0.748	1.622	1.622	1.622	1.622	1.622	0.748	0.748
	4	0.878	0.851	2.07	2.07	2.07	2.07	2.07	0.851	0.851
	5	0.995	1	2.63	2.63	2.63	2.63	2.63	1	1
	6	1.134	1.223	-	-	-	-	-	1.223	1.223
	7	1.292	1.419	-	-	-	-	-	1.419	1.419
	8	1.462	1.615	-	-	-	-	-	1.615	1.615
	9	1.667	-	-	-	-	-	-	-	-
	10	1.888	-	-	-	-	-	-	-	-
11	2.153	-	-	-	-	-	-	-	-	
Shifting structure		Top Normal	Top Normal	Top-Normal	Top Normal	Top Normal	Top Normal	Top 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	High	High	High	High	High
w/ Left hand dust cap		-	-	-	X	-	-	-	X	-
O.L.D. (mm)		135	135	135	135	135	135	135	132	132
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
Axle length (mm)	182	-	-	-	-	-	-	-	-	-
	184	-	-	-	-	-	-	-	X	X
	187	X	X	X	X	X	X	X	-	-
	193	-	-	-	-	-	-	-	-	-
Others		-	-	-	-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	58.3	58.3	57.3	58.3	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)		3.2	3.2	3.7	3.2	3.2	3.7	3.2	2.7	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 (g)		1665	1670	2010	1670	1670	1970	1650	1685	1660
Note		-	-	-	-	-	-	-	-	-

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



SG



CT



CS



SL



BL



BR



RB



FC



HB



FH

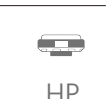
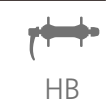


HP

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-C6001-8V	SG-C6001-8R	SG-C6001-8C	SG-C6001-8D	SG-C6001-8CD	SG-C3001-7R	SG-C3001-7C	SG-C3001-7C-DX	SG-C3001-7D
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	V-BRAKE	INTER-M	Coaster Brake	CENTER LOCK disc brake	Coaster brake, Special disc brake mount for SM-RTC60	INTER-M	Coaster Brake	Coaster Brake	CENTER LOCK disc brake
	Recommended model	-	BR-C6000 BR-C3010 BR-C3000	-	-	-	BR-C3010 BR-C3000	-	-	-
Rear speeds		8	8	8	8	8	7	7	7	7
Gear ratio	Total	307%	307%	307%	307%	307%	244%	244%	244%	244%
	1	0.527	0.527	0.527	0.527	0.527	0.632	0.632	0.632	0.632
	2	0.644	0.644	0.644	0.644	0.644	0.741	0.741	0.741	0.741
	3	0.748	0.748	0.748	0.748	0.748	0.843	0.843	0.843	0.843
	4	0.851	0.851	0.851	0.851	0.851	0.989	0.989	0.989	0.989
	5	1	1	1	1	1	1.145	1.145	1.145	1.145
	6	1.223	1.223	1.223	1.223	1.223	1.335	1.335	1.335	1.335
	7	1.419	1.419	1.419	1.419	1.419	1.545	1.545	1.545	1.545
	8	1.615	1.615	1.615	1.615	1.615	-	-	-	-
	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		X	X	X	X	X	-	-	-	-
Shifting POWER MODULATOR		X	X	X	X	X	-	-	-	-
Driving efficiency		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
w/ Left hand dust cap		X	-	-	-	-	-	-	-	-
O.L.D. (mm)		132	132	132	135	135	130	127	127	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	-	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	X	-	-	-
	184	X	X	X	-	-	-	-	X	-
	187	-	-	-	X	X	-	-	-	X
	193	-	-	-	-	-	-	-	-	-
	Others	203	203	-	-	-	201	176	176	-
Flange distance (mm)		58.3	58.3	58.3	57.3	58.3	54.6	56.2	56.2	54.6
Flange diameter (mm)		105.2	105.2	105.2	105.2	105.2	99.6	92.5	92.5	99.6
Flange width (mm)	Right	3.2	3.2	3.2	3.2	3.2	3.2	2.3	2.3	3.2
	Left	3.2	3.2	3.2	3.2	3.2	3.2	2.7	2.7	3.2
Offset (mm)		2.7	2.7	2.55	3.1	4	3.85	4.6	4.6	2.5
P.C.D. left / right (mm)		92.6	92.6	92.6	92.6	92.6	87	83.5	83.5	87
Average weight (g)		1735	1710	2040	1730	2090	1495	1915	1915	1470
Note		-	-	-	-	-	-	-	-	-



Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	
Model no.		SG-5R30	SG-5R30-V5	SG-5R35-V5	SG-3R75-B	SG-3R40	SG-3R42	SG-3C41	SG-3D55
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	-	-	Black	-	-	-	-	Black
	3	-	-	-	-	-	-	-	-
Brake type	Mount type	INTER-M	V-BRAKE	V-BRAKE	INTER-M	INTER-M	INTER-M	Coaster brake	CENTER LOCK disc brake
	Recommended model	BR-C3010 BR-C3000	-	-	BR-C3010 BR-C3000	BR-C3010 BR-C3000	BR-C3010 BR-C3000	-	-
Rear speeds		5	5	5	3	3	3	3	3
Gear ratio	Total	206%	206%	206%	158%	186%	186%	186%	186%
	1	0.750	0.750	0.750	0.632	0.733	0.733	0.733	0.733
	2	1.001	1.001	1.001	0.741	1.000	1.000	1.000	1.000
	3	1.159	1.159	1.159	1.000	1.364	1.364	1.364	1.364
	4	1.335	1.335	1.335	-	-	-	-	-
	5	1.545	1.545	1.545	-	-	-	-	-
	6	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	
Shifting structure		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		-	-	-	-	X	X	X	X
Shifting POWER MODULATOR		-	-	-	-	X	X	X	X
Driving efficiency		Standard	Standard	Standard	HIGH	Standard	Standard	Standard	Standard
w/ Left hand dust cap		-	X	X	-	-	-	-	-
O.L.D. (mm)		132	132	132	122	120/127	120	120/127	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	X	X	X	-
	32H	X	X	X	-	X	-	-	X
	36H	X	X	X	X	X	X	X	X
	Others	-	-	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	X	X	-	-
	184	X	X	X	-	X	-	-	-
	187	-	-	-	-	-	-	-	-
	193	-	-	-	X	-	-	-	X
Others		210	210	-	174/198/200	170/177/189/192	192	168/175/178	-
Flange distance (mm)		54.6	54.6	54.6	51.1	53.5	53	57.5	53.5
Flange diameter (mm)		86	86	86	92.5	84	70	67.5	77.6
Flange width (mm)	Right	2.3	2.3	2.3	2.3	2.3	3.0	2.3	3.2
	Left	2.5	2.5	2.5	2.7	2.3	3.0	2.3	3.2
Offset (mm)		0.3	0.3	0.3	3.6	0.8(120mm Axle) /2.5	0.8	1.2 / 2.7(175mm Axle)	1.7
P.C.D. left / right (mm)		76	76	76	83.5	74	60	59	65
Average weight (g)		1305	1330	1255	1315	885	872	1120	945
Note		*Japan market only	*Japan market only	*Japan market only	-	-	Specification for Japan market	-	-

Chain Tensioner

Series		ALFINE	ALFINE
Model no.		CT-S500	CT-S510
Color	1	Silver	-
	2	Black	-
	3	-	Silver&Black
Rear speeds		Single	Single
Compatible chain		CN-HG93 CN-HG73 CN-HG53	CN-HG73 (CS-S500) CN-HG53 (CS-S500) CN-HG71 (SM-GEAR)
Compatible cassette sprocket		CS-S500	CS-S500 SM-GEAR
Max. front difference		16T	-
Max. rear sprocket		20T	20T (CS-S500) 23T (SM-GEAR)
Min. rear sprocket		18T	18T (CS-S500) 16T (SM-GEAR)
Dropout		Vertical drop end type	Vertical drop end type
Direct attachment		-	-
Structure		Double pulley	Single pulley
Note			

Cassette Sprocket

Series		ALFINE	NEXUS	NEXUS
Model no.		CS-S500	CS-C7000	SM-GEAR
Chain guard	With	X	-	-
	Without	X	X	X
Gear teeth	14T	-	-	- (2.3 mm) X (3.0 mm)
	16T	-	-	X (2.3 mm) X (3.0 mm)
	18T	X (w/ and w/o guard)	-	X (2.3 mm) X (3.0 mm)
	19T	-	-	X (2.3 mm) - (3.0 mm)
	20T	X (w/ and w/o guard)	-	X (2.3 mm) X (3.0 mm)
	21T	-	-	X (2.3 mm) X (3.0 mm)
	22T	-	-	X (2.3 mm) X (3.0 mm)
	23T	-	-	X (2.3 mm) - (3.0 mm)
	24T	-	X	-
	27T	-	X	-
	30T	-	X	-
Gear thickness (mm)		2.0	2.3	2.3/3.0
Recommended chain	Super Narrow HG 9-speed	X	-	-
	HG 8-speed (1/2 inch x 3/32 inch)	-	X	X (2.3 mm)
	1/2 inch x 1/8 inch	-	-	X (3.0 mm)
Note				

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Shift Lever

Series		ALFINE	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	
Model no.		SL-S700	SL-S7000-8	SL-S503	SL-C6000-8	SL-7550	SL-C3000-7	SL-C7000-5	
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	
	2	Black	Black	Black	Black	Black	Black	Black	
	3	-	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	
Top-normal		X	X	-	-	-	-	X	
Front speeds		-	-	-	-	-	-	-	
Rear speeds		11	8	8	8	7	7	5	
Compatible rear derailleur/internal geared hub type		SG-S7001-11	SG-S7000-8 SG-S7001-8	SG-S501 NEXUS INTER-8	NEXUS INTER-8	NEXUS INTER-7	NEXUS INTER-7	NEXUS INTER-5E	
Compatible front derailleur type		-	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	-	
Shift lever cable adjust		X	X	X	X	X	X	X	
Max. multiple shifts (main lever/rear)		2	1	1	7	1	6	4	
Release function	MULTI RELEASE	X	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	-	X	-	-	
OPTICAL GEAR DISPLAY	With	Above handlebar	Above handlebar	Above handlebar	Window	Window	Window	Window	
	With (removable)	-	-	-	-	-	-	-	
	Without	-	-	-	-	-	-	-	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	-	-	-	-	
		SIL-TEC	-	-	-	-	-	-	
		Stainless	X	X	X	X	X	X	X
		Steel	-	-	-	-	-	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	
Clamping diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Average weight (g)		-	-	-	-	-	-	-	
Note								w/ Rubber bellows spec. is available	

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	
Model no.		SL-S550	SL-S530	SL-S530-A	SL-3542E	SL-C2010-3	SL-3541E	SL-3535E	
Color	1	Silver	Silver	Silver	-	Black	-	-	
	2	Black	Black	Black	Black	-	Black	Black	
	3	-	White	White	-	-	-	-	
Shifter type		RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	
Top-normal		-	-	-	-	-	-	-	
Front speeds		-	-	-	-	-	-	-	
Rear speeds		5	5	5	3	3	3	3	
Compatible rear derailleur/internal geared hub type		NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	
Compatible front derailleur type		-	-	-	-	-	-	-	
Shift lever position adjust		-	-	-	-	-	-	-	
Shift lever cable adjust		X	X	X	-	X	-	-	
Max. multiple shifts (main lever/rear)		1	4	4	2	1	2	2	
Release function	MULTI RELEASE	-	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	-	
	2-WAY RELEASE	-	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	Window	Window	Window	Window	Below handlebar	Window	Dial	
	With (removable)	-	-	-	-	-	-	-	
	Without	-	-	-	-	-	-	-	
Multi-bearing construction		-	-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	
		OPTISLICK	-	-	-	-	-	-	
		SIL-TEC	-	-	-	-	-	-	
		Stainless	X	X	X	X	-	X	X
		Steel	-	-	-	-	X	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP40	SP outer for IHG	OT-SP40	OT-SP40	
Clamping diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Average weight (g)		-	-	-	-	-	-	-	
Note									

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SL-3558	SL-3542	SL-3543	SL-3590	SL-3591J
Color	1	Silver	Silver	Silver	Gray	-
	2	Black	Black	Black	Black	-
	3	White	-	White	-	White
Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	Piano-touch	Piano-touch
Top-normal		-	-	-	-	-
Front speeds		-	-	-	-	-
Rear speeds		3	3	3	3	3
Compatible rear derailleur/internal geared hub type		NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3
Compatible front derailleur type		-	-	-	-	-
Shift lever position adjust		-	-	-	-	-
Shift lever cable adjust		-	-	-	-	-
Max. multiple shifts (main lever/rear)		2	2	2	2	2
Release function	MULTI RELEASE	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-
	2-WAY RELEASE	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	Window	Window	Window	Dial	Dial
	With (removable)	-	-	-	-	-
	Without	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-
		OPTISLICK	-	-	-	-
		SIL-TEC	-	-	-	-
		Stainless	-	-	-	-
		Steel	X	X	X	X
Recommended shift lever outer casing		OT-SP40	OT-SP40	SP outer for IHG	SP outer for IHG	SP outer for IHG
Clamping diameter (mm)		22.2	22.2	22.2	22.2	22.2
Average weight (g)		-	-	-	-	-
Note						

Brake Lever (Hydraulic Disc Brake)

Series		ALFINE
Model no.		BL-S7000
Brake type		Hydraulic disc brake
Lever size (finger)		3
Color	1	Series Black
	2	Series Silver
	3	-
Brake hose (kit)		SM-BH59-JK-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
J-Kit spec (for OEM)		X
SERVO WAVE		-
Reach adjust	Toolless	-
	Tool	X
Free stroke adjust		-
Compatible shift lever mount	Clamp band	X
	I-SPEC	-
	I-SPEC II	X
Clamp band		Open clamp
Recommended brake caliper		BR-S7000
Oil		SHIMANO Mineral
Funnel bleeding		X
Average weight (g) (kit for front 800 mm, w/ 160 mm recommended disc brake rotor, w/ lock ring, w/o adapter, w/ 2 screws, w/ resin pad)		-
Note		

Brake Lever

Series		NEXUS	NEXUS
Model no.		BL-C6010	BL-C6000
Color	1	Silver (C6000)	Silver
	2	Silver (C3000)	Black
	3	Black	-
Compatible brake type	V-BRAKE	X	X
	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	-	-
	Caliper (NEW SUPER SLR)	-	-
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	X	X
Recommended POWER MODULATOR	V-BRAKE	SM-PM40	SM-PM40
	Mechanical disc brake (MTB)	-	-
Clamp band	Open clamp band	-	-
	I-SPEC	-	-
	Diameter (mm)	22.2	22.2
Internal bumper stop		X	X
Lever size (finger)		4	4
Brake cable type		T-type	T-type
Power adjuster		-	-
SERVO WAVE		-	-
Reach adjust		X	X
Cable adjust		X	X
Cable adjust type		Two hand	Two hand
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-S7000
Color	1	Series Black
	2	Series Silver
	3	-
Brake type		Hydraulic disc brake
Brake hose (kit)		SM-BH59-JK-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	G03S Resin
	Standard 2	-
	Option 1	-
	Option 2	-
Fixing screw spec for rear mount	10 mm mount	-
	15 mm mount	-
	20 mm mount	-
	25 mm mount	-
	30 mm mount	-
Recommended brake lever		BL-S7000
Recommended disc brake rotor		SM-RT64 SM-RT66
Oil		SHIMANO Mineral
ONE WAY BLEEDING		X
Mount type		Post-type
Piston		2
Caliper	MONO-BODY	-
Caliper fixing bolt	Tool size	5 mm
	Anti loosen method	Snap ring
Pad mount		Split pin (stainless steel)
Average weight (g)		-
Note		J-Kit spec available

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Brake (Roller Brake)

Series	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.	BR-C6060-F	BR-C6050-F	BR-C6000-F	BR-C6000-F-DX	BR-C6000-R	BR-C6000-R-DX
Front	X	X	X	X	-	-
Rear	-	-	-	-	X	X
Structure type	Hyper	Hyper	Hyper	Hyper	Hyper	Hyper
Braking power (*1)	1.7	1.7	1.5	1.5	1.2	1.2
Cooling fin diameter (mm)	138	138	150	150	150	150
Heat dissipation (*1)	1.4	1.4	1.4	1.4	1.4	1.4
Without cooling fin	-	-	-	-	-	-
With POWER MODULATOR function	X	X	-	-	-	-
Wheel size (inch)/Outer diameter of tire (mm)	26-28 inch	-	X	X	X	X
	660-712 mm	X	X	-	-	-
	20-28 inch	-	-	-	-	-
	16-28 inch	-	-	-	-	-
	24-28 inch	-	-	-	-	-
	20-24 inch	-	-	-	-	-
Roller brake modulator grade	16-20 inch	-	-	-	-	-
	More than 26 inch high	-	-	X	X	-
	More than 26 inch standard	-	-	-	-	-
	20-24 inch	-	-	-	-	-
	Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	100-130	70-100	-	-	-
Inner cable quick release	X	X	X	X	X	X
Note						
*1 Performance index rating uses BR-C3000-R brake unit as a reference value of 1. Testing condition.						

Series	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.	BR-C3010-F	BR-C3010-R	BR-C3000-F	BR-C3000-F-DX	BR-C3000-R	BR-C3000-R-DX
Front	X	-	X	X	-	-
Rear	-	X	-	-	X	X
Structure type	Normal	Normal	Normal	Normal	Normal	Normal
Braking power (*1)	1.2	1	1.2	1.2	1	1
Cooling fin diameter (mm)	140	140	122	122	122	122
Heat dissipation (*1)	1.2	1.2	1.0	1.0	1.0	1.0
Without cooling fin	-	-	-	-	-	-
With POWER MODULATOR function	-	-	-	-	-	-
Wheel size (inch)/Outer diameter of tire (mm)	26-28 inch	X	X	X	X	X
	660-712 mm	-	-	-	-	-
	20-28 inch	-	-	-	-	-
	16-28 inch	-	-	-	-	-
	24-28 inch	-	-	-	-	-
	20-24 inch	-	-	-	-	-
Roller brake modulator grade	16-20 inch	-	-	-	-	-
	More than 26 inch high	-	-	-	-	-
	More than 26 inch standard	X	-	X	X	-
	20-24 inch	-	-	-	-	-
Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	-	-	-	-	-	-
Inner cable quick release	X	X	X	X	X	X
Note						
*1 Performance index rating uses BR-C3000-R brake unit as a reference value of 1. Testing condition.						

Series	NEXUS	
Model no.	BR-IM31-R	
Front	-	
Rear	X	
Structure type	Normal	
Braking power (*1)	0.9	
Cooling fin diameter (mm)	90	
Heat dissipation (*1)	Less than 1	
Without cooling fin	Available	
With POWER MODULATOR function	-	
Wheel size (inch)/Outer diameter of tire (mm)	26-28 inch	X
	660-712 mm	-
	20-28 inch	-
	16-28 inch	-
	24-28 inch	-
	20-24 inch	-
Roller brake modulator grade	16-20 inch	-
	More than 26 inch high	-
	More than 26 inch standard	-
	20-24 inch	-
Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	-	
Inner cable quick release	-	
Note		
*1 Performance index rating uses BR-C3000-R brake unit as a reference value of 1. Testing condition.		

Crankset

Series		ALFINE	NEXUS
Model no.		FC-S501	FC-C6000
Color	1	Silver	Silver
	2	Black	Black
Rear speeds		(Internal geared hub)	(Internal geared hub)
Compatible chain	Super Narrow HG for 11-speed	-	-
	Super Narrow HG for 9-speed	X (CN-HG93, CN-HG53)	-
	HG 8-speed (1/2 inch x 3/32 inch)	-	X (CN-HG71)
	1/2 inch x 1/8 inch LG	-	X (CN-NX10)
Chain line (mm)		49.2 (double chain guard) 42.7 (single chain guard)	44
P.C.D. left / right (mm)		130	-
Gear arms (pcs)		5	-
Chainring combination		45T/42T/39T	38T/33T
Q-factor		-	-
Crank arm length (mm)	165	-	-
	167.5	-	-
	170	X	X
	172.5	-	-
	175	-	-
	177.5	-	-
Optional chain guard	With bash guard	-	-
	With chain guard	X (double)	-
	Without chain/bash guard	-	X
HOLLOWTECH II		-	-
2-PIECE CRANKSET		X	-
HOLLOWTECH crank arm		-	-
OCTALINK		-	-
HOLLOWGLIDE		-	-
Compatible bottom bracket type	Outboard	X	-
	OCTALINK	-	-
	Square	-	X
Recommended bottom bracket	Threaded (normal)	-	-
	Threaded (E-type)	-	-
	Threaded (chain case) Press-Fit	-	BB-UN300-K
Axle length of BB-UN/E5 (mm)	Threaded (normal)	-	-
	Threaded (E-type)	-	-
	Threaded (chain case)	-	-
Threaded bottom bracket shell width (mm)	68	X	X
	70	-	-
	83	-	-
Chain case compatible		-	X
Chain guard 1	Diameter (mm) 45T	200	-
	Diameter (mm) 42T	190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	-	95.4
Chain guard 2	Diameter (mm) 45T	200	-
	Diameter (mm) 42T	190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	-	95.4
Crank fixing screw included		X	X
Average weight (g) (170 mm, w/o bottom bracket)		-	-
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-NT	HB-IM40
Color	1 Hub shell	Silver	Silver
	1 Quick release	Silver	-
	2 Hub shell	-	-
	2 Quick release	-	-
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)		100/105	100
Flange distance (mm)		56.8	61.5
Offset (mm)		3.7/6	4.3
Wheel size (inch)/ Outer diameter of tire (mm)	26-28 inch	X	X
	660-712 mm	-	-
	20-28 inch	-	-
	16-28 inch	-	-
	24-28 inch	-	-
	20-24 inch	-	-
Roller brake modulator grade	More than 26 inch high	X	-
	More than 26 inch standard	-	X
	20-24 inch	-	-
Axle fixing method		Nut	Nut
Axle (nut type)	Axle length 140 mm	X (M9)	X (M9)
	Axle length 145 mm	X (M9)	-
Seal		X	X
Structure (braking power)		Hyper	Normal
Note		-	-

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FREEHUB (Roller Brake)

Series		NEXAVE	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-IM70	FH-IM20	RH-IM10	RH-IM11
Color	Hub shell	Silver	Silver	Silver / Black	Silver
	Quick release	-	-	-	-
Spoke holes	28H	-	X	X	X
	32H	X	-	X	X
	36H	X	X	X	X
	Others	-	-	-	-
	P.C.D. (mm)	45	45	45	74
FREEHUB body	Speeds	8/9-speed	7-speed	-	-
	11T compatible	X	X	-	-
	Roller clutch	Roller Clutch	-	-	-
O.L.D. (mm)		135	134.7	129.5 (6-speed) 130.0 (7-speed)	132.7 (6-speed) 134.7 (7-speed)
Flange diameter (mm)		53.8	54	54	84
Flange distance (mm)		60	61.2	54.1	57.1
Dish (mm)		6.8	5.85	5.35 (6-speed) 7.1 (7-speed)	6.9 (6-speed) 7.9 (7-speed)
Axle fixing method		Nut	Nut	Nut	Nut
Axle (quick release type)	Quick release skewer length	-	-	-	-
	Length (mm)	-	-	-	-
Axle (nut type)	Length left / right (mm)	185	194/202	180/200	180/185/192/200/204
Seal	Hub	X	-	-	-
	Freewheel	X	-	-	-
Note				For 6/7-speed multiple free wheel	For 6/7-speed multiple free wheel

FREEHUB (Band Brake)

Series		SHIMANO
Model no.		FH-S028
Color	Hub shell	Black
	Quick release	-
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 fixing method		Nut
Axle (quick release type)	Quick release skewer length	-
	Length (mm)	-
Axle (nut type)	Length left / right (mm)	165/170/180/185/192
Seal	Hub	-
	Freewheel	-
Note		for band brake

FREEHUB (Disc Brake)

Series		SHIMANO
Model no.		FH-UR600
Color	1 Hub Shell	Black
	1 Quick release	Black
	2 Hub Shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
Rear speeds		11/10 *
O.L.D. (mm)		135
Spoke hole	24H	-
	28H	-
	32H	X
	36H	X
10 tooth cog compatible		-
External serration disc brake rotor lock ring	With	-
	Without	X
Internal serration disc brake rotor lock ring	With	-
	Without	X
CENTER LOCK mount cover option		X
Axle fixing method		Quick release
Quick release skewer length (mm)	166	-
	168	X
	170	-
	172	-
	173	X
	174	-
	176	-
	178	-
Thru axle (length x inner diameter ; mm)	135 x 10	-
	135 x 12	-
	142 x 12	-
	148 x 12	-
	150 x 12	-
	157 x 12	-
Flange distance (mm)		55.7
Offset (mm)		7.45
P.C.D. left / right (mm)		44.6/44.6
Flange diameter left / right (mm)		53.5/53.8
Spline type	MICRO SPLINE	-
	HG spline (ROAD 11-speed)	X
	HG spline (MTB 7-speed)	-
	HG spline (Others)	-
Engagement type		Pawl ratchet
Quick engagement		-
Seal	Hub	Contact
	FREEHUB body	Contact
Internal grease sleeve		X
Digital Adjustment system		-
Bearing	Cartridge	-
Quick release lever	Color	-
Average weight (g) (w/o axle, quick release nor lock ring)		-
Note		* Used with an additional spacer.

Head Parts

Series		NEXUS
Model no.		HP-NX10
Color	1	Black
	2	-
A (mm)		φ30.01 (φ29.85) or φ30.2 (φ30)
B (mm)		30.5 - 31.5
Front fork stem thread size		BC 1 inch x 24 T.P.I.
C (mm)		Max. φ38
D (mm)		21.7
Note		



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Chain

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	CN-M9100	CN-M8100	CN-M7100	CN-M6100	CN-E8000-11	CN-HG901-11	CN-HG701-11
Type	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG-X11	HG-X11	HG-X11
E-BIKE rear derailleur system compatible	X	X	X	X	X	X	X
Pin link plate	SIL-TEC	Gray	Gray	Gray	SIL-TEC	SIL-TEC	SIL-TEC
Roller link plate	Chromizing	Chromizing	SIL-TEC	Brown	Chromizing	SIL-TEC	SIL-TEC
Roller	SIL-TEC	-	-	-	-	SIL-TEC	-
Chromizing treatment roller link pin	X	X	X	X	X	X	X
Hollow pin	X	-	-	-	-	X	-
Average weight (g) (114 links)	242	252	252	252	257	247	257
Note	QUICK-LINK	QUICK-LINK	QUICK-LINK	QUICK-LINK			

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	ULTEGRA	ULTEGRA
Model no.	CN-HG601-11	CN-LG500	CN-E6090-10	CN-HG95	CN-HG54	CN-6701	CN-6600
Type	HG-X11	LG	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 10-speed	HG 10-speed
E-BIKE rear derailleur system compatible	X	X	X	-	-	-	-
Pin link plate	Gray	Gray	SIL-TEC	SIL-TEC	Gray	Zinc-Alloy Plated	Zinc-Alloy Plated
Roller link plate	SIL-TEC	Gray	SIL-TEC	SIL-TEC	Brown	Gray	Gray
Roller	-	-	-	-	-	-	-
Chromizing treatment roller link pin	X	X	X	X	X	X	X
Hollow pin	-	-	-	-	-	-	-
Average weight (g) (114 links)	257	257	276	273	273	267	273
Note							For triple

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	NEXUS
Model no.	CN-HG93	CN-E6070-9	CN-HG53	CN-HG71	CN-HG40	CN-NX10
Type	HG 9-speed	HG 9-speed	HG 9-speed	HG	HG	Single speed 1/2 x 1/8
E-BIKE rear derailleur system compatible	-	X	-	-	-	-
Pin link plate	Zinc-Alloy Plated	Gray	Gray	Silver	Gray	-
Roller link plate	Gray	Gray	Brown	Gray	Brown	-
Roller	-	-	-	-	-	-
Chromizing treatment roller link pin	X	X	X	X	-	-
Hollow pin	-	-	-	-	-	-
Average weight (g) (114 links)	299	276	299	324	324	-
Note						

Chain QUICK-LINK

Series	SHIMANO	SHIMANO
Model no.	SM-CN910-12	SM-CN900-11
E-BIKE rear derailleur system compatible	X	X
Compatible chain	HG 12-speed	HG 11-speed
Pin link plate	Ni-plating	Ni-plating
Roller link plate	-	-
Roller	-	-
Chromizing treatment link pin	X	X
Hollow pin	-	-
Note	QUICK-LINK for HG 12-speed chain	QUICK-LINK for HG 11-speed chain, LG chain

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- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Disc Brake Rotor

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	RT-MT900	RT-MT905	RT-MT800	SM-RT900	SM-RT800	SM-RT86	SM-RT70	SM-RT76
CENTER LOCK	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	X	-	-	-
Outside diameter (mm)	220	-	-	-	-	-	-	-
	203	X	X	X	-	X	X	X
	180	X	X	X	-	X	X	X
	160	X	-	X	X	X	X	X
	140	X	-	X	X	X	-	X
Alloy lock ring	X	-	X	X	X	X	-	-
Pad material compatibility	Metal	X	X	X	X	X	X	X
	Resin	X	X	X	X	X	X	X
Pad lining shape compatibility	Narrow	X	X	X	X	X	X	X
	Wide	-	-	-	-	-	-	-
Average weight (g) (w/o lock ring)	150 (203 mm) 132 (180 mm) 108 (160 mm) 88 (140 mm)	187 (203 mm)	163 (203 mm) 132 (180 mm) 108 (160 mm) 88 (140 mm)	117 (160 mm) 99 (140 mm)	128 (160 mm) 108 (140 mm)	187 (203 mm) 154 (180 mm) 135 (160 mm)	193 (203 mm) 159 (180 mm) 133 (160 mm) 121 (140 mm)	209 (203 mm) 169 (180 mm) 141 (160 mm)
Note	Painted fin	Painted fin With anti loosen tightening plate	-	Painted fin	-	With anti loosen tightening plate	-	With anti loosen tightening plate

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-RT66	SM-RT64	SM-RT56	SM-RT54	SM-RT30	SM-RT26	SM-RT10	SM-RTC60
CENTER LOCK	-	X	-	X	X	-	X	-
6-bolt (P.C.D. 44 mm)	X	-	X	-	-	X	-	-
ICE TECHNOLOGIES	-	-	-	-	-	-	-	-
ICE TECHNOLOGIES FREEZA	-	-	-	-	-	-	-	-
Outside diameter (mm)	220	X (NEW)	X (NEW)	-	-	-	-	-
	203	X	X	-	-	X	-	-
	180	X	X	X	X	X	X	-
	160	X	X	X	X	X	X	X
	140	-	-	-	-	-	-	-
Alloy lock ring	-	-	-	-	-	-	-	-
Pad material compatibility	Metal	X	X	-	-	-	-	X
	Resin	X	X	X	X	X	X	X
Pad lining shape compatibility	Narrow	X	X	X	X	X	X	X
	Wide	-	-	X	X	X	X	-
Average weight (g) (w/o lock ring)	-	-	-	-	-	-	-	-
Note	With anti loosen tightening plate	-	With anti loosen tightening plate	-	-	With anti loosen tightening plate	-	Disc brake rotor is fixed by 5 bolts with 74 mm P.C.D.

Disc Brake Hose

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BH90-SB	SM-BH90-SBLs	SM-BH90-SBM	SM-BH90-SBS	SM-BH90-SS	SM-BH59-JK-SS	SM-BH59-SB
Color	1	Black	Black	Black	Black	Black	Black
	2	White	-	-	White	White	White
	3	-	-	-	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight	Straight	Straight	Straight
	Brake caliper	Banjo	Banjo	Banjo	Banjo	Straight	Banjo
Banjo	Rigidity	High power	High power	High power	High power	High power	Standard
	Length	Standard	Long	Standard	Standard	-	-
	Banjo bolt length	Long	Short	Long BR-M9120 spec. * BR-M8100 spec. *	Short	-	-
Note	* Banjo bolt is not included.						

Disc Brake Rotor Adapter

Series	SHIMANO	
Model no.	SM-RTAD05	
Color	1	Black
	2	-
	3	-
Lock ring	Type	External serration
Disc brake rotor mount method		Hexalobular bolts
Compatibility (disc brake rotor)	SM-RT86	-
	SM-RT76	-
	SM-RT66	X
	SM-RT56	X
	SM-RT26	X
Compatibility (axle)	Front 20 mm thru	X
	Front 15 mm E-THRU	X
	Front 9 mm quick release	X
	Rear 12 mm E-THRU	X
	Rear 12 mm thru	X
	Rear 10 mm thru	X
Note	Use this disc brake rotor adapter to attach the 6-bolt mount type disc brake rotor to CENTER LOCK mount type hub.	
	Cannot be used with the 6-bolt disc brake rotor that is installed with an aluminum adapter (SM-RT86/RT76).	

Outer Casing

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	-	-
	Lime-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					

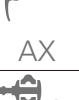
Cable Adjuster

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
Model no.		SM-PM70	SM-PM40
Modulator level		Standard	Standard
Mount type		Lead pipe	Lead pipe
Available lead pipe angle	90 deg.	X	X
	135 deg.	X	X
	V-BRAKE	X**	X**
Compatible brake	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	-	-
	Caliper (NEW SUPER SLR)	-	-
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	-	-
Compatible brake lever	V-BRAKE 4-finger	X***	X***
	V-BRAKE 3-finger	X***	X***
	V-BRAKE 2-finger	X	X
	Road	-	-
Note		** 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

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec



MTB
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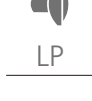
Hub Dynamo

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO
Model no.		DH-UR708-3D	DH-UR705-3D	DH-UR700-3D	DH-T4050-1D	DH-T4000-1N	DH-F703-5
Regulation	StVZO	X	X	X	X	X	X
	TPGBi	-	-	-	-	-	-
	JIS	-	-	-	-	-	-
	Others	ISO	-	-	-	-	-
Color	1 Hub Shell	Silver	Silver	Silver	Black	Silver	Silver
	1 Quick release	-	-	Silver	Black	-	Black
	2 Hub Shell	Black	Black	Black	-	Black	-
	2 Quick release	-	-	Black	-	-	Black
Brake type		Disc brake	Disc brake	Disc brake	Disc brake	Regular	Regular
CENTER LOCK mount type		X	X	X	X	-	-
Voltage (V)		6	6	6	6	6	6
Output (W)		3	3	3	1.5	1.5	3
Wheel size	26-28 inch	X	X	X	-	-	-
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	X	X	-
	16-28 inch	-	-	-	-	-	-
	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	X
Compatible wheel size (mm)		(646-716)	(646 - 716)	(646 - 716)	(448 - 716)	(448 - 716)	(400 - 536)
Axle fixing method		15 mm E-THRU	12 mm E-THRU *	Quick release	Quick release	Quick release	Quick release
Quick release type		-	-	X	X	X	X
Nut type		-	-	-	-	-	-
E-THRU type		X *	X *	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	-	-	X	X	X	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	X	-	-	-	-
	100 x 15	X	-	-	-	-	-
O.L.D. (mm)		100	100	100	100	100	74
Flange distance (mm)		52	52	52	51	56.0	44.6
Offset (mm)		3.5	3.5	3.5	1.9	0	0
P.C.D. left / right (mm)		62	62	62	67	67	74
Axle length (mm)		100	100	108	108	108	82
Spoke size		#14	#14	#14	#14	#14	#14
Spoke hole	24H	-	-	-	-	-	X
	28H	-	-	-	-	-	X
	32H	X	X	X	X	X	-
	36H	X	X	X	X	X	-
Seal		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	-	-	-	-	-	-
	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
Electric power output connector	J1 type	-	-	-	-	-	-
	J2 type	-	-	-	-	-	-
	E2 type	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Average weight (g)		459 (w/o QR)	450	476 (w/o QR)	565	580	590
Note			Recommended E-THRU axle: SM-AX720		* For LED light use only	* For LED light use only	

Hub Dynamo

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	ALFINE
Model no.		DH-3D72	DH-3D37-QR	DH-3D32-QR	DH-3D32-NT	DH-3N72	DH-S501
Regulation	StVZO	X	X	X	X	X	X
	TPGBl	X	-	-	-	-	-
	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Color	1 Hub Shell	Silver	Silver	Clear	Clear	Silver	Silver
	1 Quick release	Silver	-	-	-	Silver	Silver
	2 Hub Shell	Black	Black	Black	Black	Black	Piano Black
	2 Quick release	Black	-	-	-	Silver	Silver
Brake type		Disc brake	Disc brake	Disc brake	Disc brake	Regular	Disc brake
CENTER LOCK mount type		X	X	-	-	-	X
Voltage (V)		6	6	6	6	6	6
Output (W)		3	3	3	3	3	3
Wheel size	26-28 inch	X	-	-	-	X	X
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	-	X	X	X	-	-
	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(646 - 716)	(400 - 716)	(400 - 716)	(400 - 716)	(646 - 716)	(646 - 716)
Axle fixing method		Quick release	Quick release	Quick release	Nut	Quick release	Quick release
Quick release type		X	X	X	-	X	X
Nut type		-	-	-	X	-	-
E-THRU type		-	-	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	X	X	X	-	X	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-
O.L.D. (mm)		100	100	100	100	100	100
Flange distance (mm)		52.1	51	51.1	51.1	60.0	52.1
Offset (mm)		3.8	4	4	3.6	0	3.8
P.C.D. left / right (mm)		70	74	74	74	70	70
Axle length (mm)		108	108	108	140	108	108
Spoke size		#14	#14	#14	#14	#14	#14
Spoke hole	24H	-	-	-	-	-	-
	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
Seal		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	-	-	-	-	-	-
	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
Electric power output connector	J1 type	-	-	-	-	-	-
	J2 type	-	-	-	-	-	-
	E2 type	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Average weight (g)		559	650	685	705	560	564
Note							

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- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL**
- Di2 Spec



Hub Dynamo

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		DH-C6000-3R-NT	DH-C6000-2R	DH-C6000-1R	DH-C3000-3N-QR	DH-C3000-3N-NT	DH-C3000-2N-QR
Regulation	StVZO	X	-	X	X	X	-
	TPGBi	X	-	-	X	X	-
	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Color	1 Hub Shell	Silver	Silver	Silver	Silver	Silver	Silver
	1 Quick release	Black	-	-	-	-	-
	2 Hub Shell	-	Black	Black	Black	Black	Black
	2 Quick release	-	-	-	-	-	-
Brake type		Hub Roller Brake	Hub Roller Brake	Hub Roller Brake	Regular	Regular	Regular
CENTER LOCK mount type		-	-	-	-	-	-
Voltage (V)		6	6	6	6	6	6
Output (W)		3	2.4	1.5	3.0	3.0	2.4
Wheel size	26-28 inch	X	X	X	-	-	-
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	-	-	-	X	X	X
	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(646 - 716)	(646 - 716)	(646 - 716)	(400 - 716)	(400 - 716)	(400 - 716)
Axle fixing method		Nut	Nut	Nut	Quick release	Nut	Quick release
Quick release type		-	-	-	X	-	X
Nut type		X	X	X	-	X	-
E-THRU type		-	-	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	X	-	X
	133	-	-	-	X	-	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-
O.L.D. (mm)		100	100	100	100	100	100
Flange distance (mm)		58.1	58.1	58.1	60.0	60.0	60.0
Offset (mm)		4.7	4.7	4.7	0.6	1.0	0.6
P.C.D. left / right (mm)		76	76	76	74	74	74
Axle length (mm)		140	140	140	108	140	108
Spoke size		#14	#14	#14	#14	#14	#14
Spoke hole	24H	-	-	-	-	-	-
	28H	-	-	-	-	X	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
Seal		Single Contact	Single contact	Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	X	X	X	-	-	-
	More than 26 inch standard	X	X	X	-	-	-
	20-24 inch	-	-	-	-	-	-
Electric power output connector	J1 type	-	-	-	-	-	-
	J2 type	-	-	-	-	-	-
	E2 type	X	X	X	X	X	X
	Others	Aluminum	-	-	-	-	-
Average weight (g)		960	960	960	700	712	700
Note				* For LED light use only			

Hub Dynamo

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		DH-C3000-2N-NT	DH-C3000-1N	DH-C2100-N	DH-C2100-NC	DH-C2100-N-QR	DH-C2100-N-QRC
Regulation	StVZO	-	X	-	-	-	-
	TPGBl	-	-	-	-	-	-
	JIS	-	-	-	-	-	-
	Others	-	-	VIA	VIA	VIA	VIA
Color	1 Hub Shell	Silver	Silver	Silver	Silver	Silver	Silver
	1 Quick release	-	-	-	-	Silver	Silver
	2 Hub Shell	Black	Black	Black	Black	Black	Black
	2 Quick release	-	-	-	-	Black	Silver
Brake type		Regular	Regular	Regular	Regular	Regular	Regular
CENTER LOCK mount type		-	-	-	-	-	-
Voltage (V)		6	6	6	6	6	6
Output (W)		2.4	1.5	0.9	0.9	0.9	0.9
Wheel size	26-28 inch	-	-	-	-	-	-
	20-28 inch	-	X	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	X	-	-	-	-	-
	24-28 inch	-	-	X	-	X	-
	20-24 inch	-	-	-	X	-	X
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(400 - 716)	(448 - 716)	-	-	-	-
Axle fixing method		Nut	Nut	Nut	Nut	Quick release	Quick release
Quick release type		-	-	-	-	X	X
Nut type		X	X	X	X	-	-
E-THRU type		-	-	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-	X	X
	133	-	-	-	-	X	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-
O.L.D. (mm)		100	100	93	93	100	100
Flange distance (mm)		60.0	56.0	58	58	58	58
Offset (mm)		1.0	0	0.5	0.5	0.5	0.5
P.C.D. left / right (mm)		74	67	60	60	60	60
Axle length (mm)		140	140	155 / 150	155 / 150	108	108
Spoke size		#14	#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	24H	-	-	-	-	-	-
	28H	-	-	-	X	-	-
	32H	X	X	-	-	X	X
	36H	X	X	X	-	X	X
Seal		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	-	-	-	-	-	-
	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
Electric power output connector	J1 type	-	-	-	-	-	-
	J2 type	-	-	-	-	-	-
	E2 type	X	X	-	-	-	-
	Others	-	-	X (J2-A)	X (J2-A)	X (J2-A)	X (J2-A)
Average weight (g)		705	600	491	491	474	474
Note			* For LED light use only	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

-  CNVSMCN
-  RT
-  BH
-  RTAD
-  OT
-  PM
-  DH
-  LP
-  AX
-  PD

MTB
TREKKING
GRAVEL
ROAD
URBAN
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Di2 Spec

Hub Dynamo

Series		NEXUS	NEXUS	SHIMANO	SHIMANO
Model no.		DH-2N40-J	DH-2N40-JC	DH-2N40-JW	DH-2N40-JWC
Regulation	StVZO	-	-	-	-
	TPGBi	-	-	-	-
	JIS	X	X	X	X
	Others	-	-	-	-
Color	1 Hub Shell	Silver	Silver	Silver	Silver
	1 Quick release	-	-	-	-
	2 Hub Shell	Black	Black	Black	Black
	2 Quick release	-	-	-	-
Brake type		Regular	Regular	Regular	Regular
CENTER LOCK mount type		-	-	-	-
Voltage (V)		6	6	6	6
Output (W)		2.4	2.4	2.4	2.4
Wheel size	26-28 inch	-	-	-	-
	20-28 inch	-	-	-	-
	18-28 inch	-	-	-	-
	16-28 inch	-	-	-	-
	24-28 inch	X	-	X	-
	20-24 inch	-	X	-	X
	16-20 inch	-	-	-	-
Compatible wheel size (mm)		-	-	-	-
Axle fixing method		Nut	Nut	Nut	Nut
Quick release type		-	-	-	-
Nut type		X	X	X	X
E-THRU type		-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-
	133	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-
	100 x 15	-	-	-	-
O.L.D. (mm)		93	93	100	100
Flange distance (mm)		60	60	60	60
Offset (mm)		0	0	3	3
P.C.D. left / right (mm)		69	69	69	69
Axle length (mm)		155 / 150	150	140	140
Spoke size		#13/#14	#14	#14	#14
Spoke hole	24H	-	-	-	-
	28H	-	X	-	-
	32H	-	-	-	-
	36H	X	-	X	X
Seal		Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	-	-	-	-
	More than 26 inch standard	-	-	-	-
	20-24 inch	-	-	-	-
Electric power output connector	J1 type	-	-	-	-
	J2 type	X	X	X	X
	E2 type	-	-	-	-
	Others	-	-	-	-
Average weight (g)		630	630	630	630
Note		* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market



CN/SMCN



RT



BH



RTAD



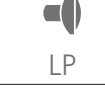
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PM



DH



LP



AX



PD

Light

Series	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	SHIMANO
Model no.	LP-C2200-B	LP-C2200-S	LP-C2201-B	LP-C2201-S	LP-C2207-B	LP-C2207-C
Auto light	-	-	-	-	-	-
Type of light	Front	X	X	X	X	X
	Tail (rear)	-	-	-	-	-
Hub dynamo output	0.9 W	0.9 W	0.9 W	0.9 W	0.9 W	0.9 W
Main light	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
Lighting pattern	WIDE	Wide	Wide	Wide	Wide	Wide
Sub light	-	-	-	-	-	-
Stand light (LED flashing) function	-	-	-	-	-	-
Reflector integration	X	X	X	X	-	-
Electric power input	Tab-on type	-	-	-	-	-
	Connector type	J2-A	J2-A	J2-A	J2-A	J2-A
Color	1	CP	CP	CP	CP	Silver/Black/Black
	2	Silver (Painted)	Silver (Painted)	Silver (Painted)	Silver (Painted)	Black/Gray/Black
	3	White	White	White	White	-
	4	Black	Black	Black	Black	-
	5	Gray	Gray	Gray	Gray	-
	6	-	-	-	-	-
Attachment position	Light stay	-	X	-	X	-
	Below basket	X	-	X	-	X
	Fork center	-	-	-	-	-
	Handle bar	-	-	-	-	-
	On mud guard	-	-	-	-	-
	Mud guard style stay	-	-	-	-	-
	Seat stay	-	-	-	-	-
Compatible seat stay diameter (mm)	13	-	-	-	-	-
	16	-	-	-	-	-
	19	-	-	-	-	-
Compatible handle bar diameter (mm)	22.2	-	-	-	-	-
	25.4	-	-	-	-	-
	31.8	-	-	-	-	-
Switch	Auto	-	-	-	-	-
	Manual (on)	-	-	-	-	-
	Manual (off)	-	-	-	-	-
	Permanent	X	X	X	X	X
Electric wire color	Black	-	-	-	-	X
	Gray	X	X	X	X	X
Electric wire length (mm)	Tab-on type	-	-	-	-	-
	Connector type	715	405	715	405	710
EZ cable clamp	-	-	-	-	-	-
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

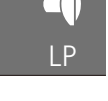
MTB
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GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL**
- Di2 Spec

Light

Series	SHIMANO	NEXUS	NEXUS	NEXUS	NEXUS
Model no.	LP-C2250-H	LP-C2111-5	LP-X101	LP-X101-H	LP-NX60-R
Auto light	-	-	X	X	-
Type of light	Front	X	X	X	X
	Tail (rear)	-	-	-	-
Hub dynamo output	0.9 W	6 V-0.9 W	6 V-2.4 W	6 V-2.4 W	6 V-2.4 W
Main light	High power LED	High Power LED	High Power LED	High Power LED	Super Bright Red LED
Brightness (at 5 m distance, JIS standard = 16 lx)	40 lx	40 lx	80 lx	80 lx	-
Lighting pattern	Wide	Normal	Normal	Normal	-
Sub light	-	-	-	-	-
Stand light (LED flashing) function	-	X	-	-	X (if used with LP-X103)
Reflector integration	-	X	-	X	-
Electric power input	Tab-on type	-	X	X	-
	Connector type	J2-A	J2A	X	X
Color	1	Silver/Black	CP	Silver (Painted)	Silver (Painted)
	2	-	Silver (Painted)	White (Painted)	White (Painted)
	3	-	White	Black	Black
	4	-	Black	Gray	Gray
	5	-	Gray	-	-
	6	-	-	-	-
Attachment position	Light stay	-	X	X	X
	Below basket	-	-	-	-
	Fork center	-	-	-	-
	Handle bar	X	-	-	-
	On mud guard	-	-	-	-
	Mud guard style stay	-	-	-	-
Compatible seat stay diameter (mm)	Seat stay	-	-	-	-
	13	-	-	-	-
	16	-	-	-	-
Compatible handle bar diameter (mm)	19	-	-	-	-
	22.2	X	-	-	-
	25.4	X	-	-	-
	31.8	X	-	-	-
Switch	Auto	-	-	X	X
	Manual (on)	-	-	X	X
	Manual (off)	-	-	-	-
	Permanent	X	X	-	-
Electric wire color	Black	X	-	X	X
	Gray	-	X	-	X
Electric wire length (mm)	Tab-on type	-	-	400	410
	Connector type	800	405	120	160
EZ cable clamp	X	-	-	-	-
Cord length adjuster	-	-	-	-	-
Compatible wheel size	-	-	-	-	22/24/26/27
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 internal geared hub, another for FREEHUB)



E-THRU Axle (AX)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-AX720-100x12	SM-AX720-142x12	AX-MT700-142x12	AX-MT700-148x12	AX-MT700-157x12	AX-MT500-142x12
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-
	100 x 12	X	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
	142 x 12	-	X	X	-	-	X
	148 x 12	-	-	-	X	X	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	X	-
Lever position adjustment	Tool-less type	-	-	-	-	-	-
	Hexagon wrench type	X	X	X	X	X	X
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
	Length (mm)	121	163	166	172	181	166
	Hollow axle	X	X	X	X	X	X
Average weight (g)		65	74	75	76	79	79
Note							

Series		SHIMANO	SHIMANO	SAINT	SHIMANO	SHIMANO	SHIMANO
Model no.		AX-MT500-148x12	AX-MT500-157x12	SM-AX80	SM-AX78	SM-AX78-B	SM-AX58
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	X	-	-	-
	100 x 12	-	-	-	-	-	-
	135 x 12	-	-	X	-	-	-
	142 x 12	-	-	-	X	-	X
	148 x 12	X	-	-	-	X	-
	150 x 12	-	-	X	-	-	-
	157 x 12	-	X	-	-	-	-
Lever position adjustment	Tool-less type	-	-	-	X	X	X
	Hexagon wrench type	X	X	X	-	-	-
Axle	Thread pitch	M12 x 1.5	M12 x 1.5	M10 x 1.00 (10 mm) M12 x 1.75 (12 mm)	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	172	181	168/183	166	172	166
	Hollow axle	X	X	X	X	X	X
Average weight (g)		80	83	133 (135 x 10 mm) 160 (135 x 12 mm) 169 (150 x 12 mm)	77	78	81
Note							

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		SM-AX58-B	SM-AX56	SM-AX56-B
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-
	100 x 12	-	-	-
	135 x 12	-	-	-
	142 x 12	-	X	-
	148 x 12	X	-	X
	150 x 12	-	-	-
	157 x 12	-	-	-
Lever position adjustment	Tool-less type	X	X	X
	Hexagon wrench type	-	-	-
Axle	Thread pitch	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	172	171	177
	Hollow axle	X	X	X
Average weight (g)		82	75	77
Note				

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ROAD
URBAN
GENERAL
Di2 Spec



Pedal (SPD)

Series	XTR	XTR	DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO
Model no.	PD-M9100	PD-M9120	PD-M8100	PD-M8120	PD-M540	PD-M520	PD-M505
Color 1	Black	Black	Series color	Series color	Silver	Silver	Silver
Color 2	-	-	-	-	Black	Black	Black
Color 3	-	-	-	-	-	-	-
Type	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)	Off-Road (SPD)
Binding	Dual Sided	Dual Sided	Dual sided	Dual sided	Dual Sided	Dual Sided	Dual Sided
Cartridge axle	X	X	X	X	X	X	-
Sealed mechanism	X	X	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X	X	X
Pop-up cage	-	-	-	-	-	-	-
Integrated cage	-	X	-	X	-	-	-
Offset binding	X	-	-	-	-	-	-
Oval shape axle body housing	-	-	-	-	-	-	-
Cleat included	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
Reflector	SM-PD60 SM-PD22 (3 mm shorter axle type)	SM-PD60	SM-PD60	SM-PD60	SM-PD22	SM-PD22	SM-PD22
Stack height (mm)	-	-	-	-	-	-	-
Average weight (g)	310 (/pair) (Short axle type) 314 (/pair) (Normal axle type)	398 (/pair)	342 (/pair)	438 (/pair)	352 (/pair)	380 (/pair)	443 (/pair)
Note	3 mm shorter axle available 1.0 mm cleat spacer included	1.0 mm cleat spacer included	1.0 mm cleat spacer included	1.0 mm cleat spacer included			

Series	SAINT	DXR	SHIMANO	SHIMANO	SHIMANO	DEORE XT	SHIMANO
Model no.	PD-M821	PD-MX70	PD-M647	PD-M324	PD-ME700	PD-T8000	PD-ES600
Color 1	Black	Black	Black	Silver	Black	Black	Dark Gray
Color 2	-	-	-	-	-	-	-
Color 3	-	-	-	-	-	-	-
Type	Off-Road/DH (SPD)	Off-Road (SPD)	Off-Road/BMX (SPD)	Multi-purpose (SPD/Flat)	Off-Road (SPD)	Trekking (SPD/Flat)	Road (SPD)
Binding	Dual sided	Dual sided	Dual Sided	Single Sided	Dual sided	Single Sided	Single Sided
Cartridge axle	X	X	X	-	X	X	X
Sealed mechanism	X	X	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X	X	X
Pop-up cage	-	-	X	-	-	-	-
Integrated cage	X	X	-	-	X	-	-
Offset binding	-	-	-	-	-	-	-
Oval shape axle body housing	-	-	-	-	-	-	-
Cleat included	SM-SH51	SM-SH51	SM-SH51	SM-SH56	SM-SH51	SM-SH56	SM-SH51
Optional cleat	SM-SH56	SM-SH56	SM-SH56	SM-SH51	SM-SH56	SM-SH51	SM-SH56
Reflector	SM-PD60	SM-PD60	SM-PD60	Y41B98010	SM-PD60	Integrated	SM-PD62
Stack height (mm)	-	-	-	-	-	-	-
Average weight (g)	546 (/pair) (w/o pins & washers)	414 (/pair)	568 (/pair)	533 (/pair)	540 (/pair)	392 (/pair)	279 (/pair)
Note	4 height adjustable pins 1.0 mm cleat spacer included	Higher retention force and narrower release angle than normal SPD pedals 1.0 mm cleat spacer included					1.0 mm cleat spacer included

Series	SHIMANO	SHIMANO
Model no.	PD-EH500	PD-ED500
Color 1	Dark Gray	Dark Gray
Color 2	-	-
Color 3	-	-
Type	Multi-purpose (SPD/Flat)	Road (SPD)
Binding	Single Sided	Dual Sided
Cartridge axle	X	X
Sealed mechanism	X	X
Cleat retention adjuster	X	X
Pop-up cage	-	-
Integrated cage	-	X
Offset binding	-	-
Oval shape axle body housing	-	-
Cleat included	SM-SH56	SM-SH56
Optional cleat	SM-SH51	SM-SH51
Reflector	SM-PD68	SM-PD60
Stack height (mm)	-	-
Average weight (g)	383 (/pair)	442 (/pair)
Note	Light action	Light action



Pedal (CLICK'R)

Series	SHIMANO
Model no.	PD-T421
Color 1	Black
Color 2	-
Color 3	-
Type	Trekking (CLICK'R)
Binding	Single Sided
Cartridge axle	X
Sealed mechanism	X
Cleat retention adjuster	X
Pop-up cage	X
Integrated cage	-
Offset binding	-
Oval shape axle body housing	-
Cleat included	SM-SH56
Optional cleat	SM-SH51
Reflector	Integrated
Stack height (mm)	-
Average weight (g)	418 (/pair)
Note	

Pedal (Flat Pedal)

Series	SAINT	SAINT	DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	PD-M828	PD-M829	PD-M8140	PD-M8141	PD-GR500	PD-GR400	PD-EF202	PD-EF205	PD-EF102
Color 1	Black	Black/Silver	Black	Black	Black	Black	Black	Black	Black
Color 2	-	-	-	-	Silver	Blue	Silver	Silver	-
Color 3	-	-	-	-	-	Red	Red	Red	-
Color 4	-	-	-	-	-	-	Blue	Blue	-
Color 5	-	-	-	-	-	-	Gold	Gold	-
Type	Off-Road (Flat Pedal)	Off-Road (Flat Pedal)	Off-Road (Flat Pedal)	Off-Road (Flat Pedal)	Off-Road (Flat Pedal)	Off-Road (Flat Pedal)	Flat Pedal	Flat Pedal	Flat Pedal
Cartridge axle	X	-	X	-	X	-	-	-	-
Sealed mechanism	X	X	X	X	X	X	X	X	X
Cleat retention adjuster	-	-	-	-	-	-	-	-	-
Pop-up cage	-	-	-	-	-	-	-	-	-
Integrated cage	-	-	-	-	-	-	-	-	-
Offset binding	-	-	-	-	-	-	-	-	-
Oval shape axle body housing	-	-	-	-	-	-	-	-	-
Cleat included	-	-	-	-	-	-	-	-	-
Optional cleat	-	-	-	-	-	-	-	-	-
Reflector	SM-PD64A	SM-PD70 (NEW)	SM-PD67	SM-PD70 (NEW)	SM-PD64A	SM-PD70 (NEW)	Attachable (SM-PD53)	Attachable (SM-PD53)	Integrated
Wide platform	-	-	-	-	-	-	-	-	-
Average weight (g)	553 (/pair)	-	461 (/pair) (SM) 505 (/pair) (ML)	-	533 (/pair)	-	512 (/pair)	612 (/pair)	-
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	SHIMANO 105	SHIMANO	SHIMANO
Model no.	PD-R9100	PD-R8000	PD-R7000	PD-R550	PD-R5500
Color 1	CFRP	CFRP	CFRP	Black	Black
Color 2	-	-	-	Gray	-
Color 3	-	-	-	-	-
Type	Road	Road	Road	Road	Road
Binding	Single Sided	Single Sided	Single Sided	Single Sided	Single Sided
Cartridge axle	-	X	X	X	X
Sealed mechanism	X	X	X	X	X
Cleat retention adjuster	X	X	X	X	X
Cleat included	SM-SH12	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
Reflector	SM-PD63	SM-PD63	SM-PD65	SM-PD65	SM-PD65
Wide platform	X	X	X	X	-
Stack height (mm)	14.6	14.6	16.5	16.5	16.5
Road clearance (deg.)	35	33	31	32	30
Average weight (g)	228 (/pair)	248 (/pair)	265 (/pair)	310 (/pair)	320 (/pair)
Note	4 mm longer axle available, Hollow cleat bolts	4 mm longer axle available	-	Wider spring tension range	-

MTB
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GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



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GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec

Shift Switch

Series	DEORE XT	DEORE XT
Model no.	SW-M8050-R	SW-M8050-L
Switch type	FIREBOLT	FIREBOLT
Position	Clamp band, Right	Clamp band, Left
Compatible electric wire	EW-SD50	EW-SD50
Switch QTY	2	2
SD50 port (pcs)	1	1
SD300 port (pcs)	0	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Multiple input	2 step	-
	Hold	X
Rear derailleur switch		
Front derailleur switch		
Suspension switch	-	-** (X)
Advanced seat post switch		
3rd device switch		
Mount position adjust	X	X
Master unit	-	-
Firmware update by E-TUBE PROJECT	X	X
Average weight (g)	93	93
Note		* User can use it for derailleur multishift ** User can use it for Suspension control

SW
RD
FD
SMAD
SC
ST/BL
RD
FD
ST/BL

Rear Derailleur

Series		XTR	DEORE XT
Model no.		RD-M9050-SGS	RD-M8050-GS
Pulley cage		SGS	GS
Color	1	Series color	Series color
	2	-	-
Rear speeds		11	11
Compatible chain		HG-X11	HG-X11
Top-normal spring type	SHIMANO SHADOW RD	X	X
	SHIMANO SHADOW RD+	X	X
Mount	Double servo	-	-
	Direct attachment (conventional)	X	X
	Direct mount compatible	X*	X*
	Riveted adapter (road type)	-	-
Riveted adapter (BMX-track type)	-	-	
Mode converter		-	-
Cable adjuster		-	-
Max. front difference		18T	10T
Total capacity		41T**	35T**
Low sprocket	Max.	40T (3x11-speed) 42T (2x11-speed) 46T (1x11-speed)	42T (2x11-speed) 46T (1x11-speed)
	Min.	40T	40T
	Max.	11T	11T
Top sprocket	Max.	11T	11T
	Min.	11T	11T
Fluor coated link bushings		4	4
Pulley	Guide pulley bearing	Sealed Bearing	Sealed Bearing
	Tension pulley bearing	Sealed Bearing	Sealed Bearing
	Teeth	11	11
B-axle	Sunken type pulley screw	X	X
	Hollow axle	X	X
B-axle 2	Hollow axle	X	X
SD50 port (pcs)		1	1
SD300 port (pcs)		0	0
SD50 connector (pcs)		0	0
SD300 connector (pcs)		0	0
Average weight (g)		295	319
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.

Front Derailleur

Series		DEORE XT	
Model no.		FD-M8070	
Color	1	Series color	
	2	-	
Front speeds		2	
Rear speeds		11	
Compatible chain		HG-X11	
Action	TOP SWING	-	
	Down swing	X	
	SIDE SWING	-	
Mount	Clamp band (mm)	28.6	w/ SM-FD905-L, SM-FD905-H
		31.8	w/ SM-FD905-L, SM-FD905-H
		34.9	w/ SM-FD905-L, SM-FD905-H
	E-type	With bottom bracket plate	-
Without bottom bracket plate		w/ SM-FD905-E**	
Direct mount		w/ SM-FD905-D**	
ISCG05 mount			
Chain line (mm)		48.8*	
Chainstay angle (deg.)		66 - 69	
Top gear teeth		38-34T	
Total capacity		10T	
Applicable top-mid tooth difference		-	
Angled stroke adjust screw			
Angled clamp band design			
Link bushings		7	
Master unit		-	
Firmware update by E-TUBE PROJECT		X	
SD50 port (pcs)		1	
SD300 port (pcs)		0	
SD50 connector (pcs)		0	
SD300 connector (pcs)		0	
Average weight (g) (band type: L size, direct type w/ screw)		134	
Note		* For FC 3 mm outboard spec, 51.8 mm ** Compatible with the special crankset which chain line is 3 mm outboard.	

SMAD
SG
MU
EW
EWC
GM
WU
JC
BT
BM
SMBT
SMBC
BCC
EWEC
SMPC
SMCB
SMCC



Mount Adapter for Front Derailleur

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-FD905-D	SM-FD905-E	SM-FD905-H	SM-FD905-L
Mount type	Direct mount	E type mount	High clamp band	Low clamp band
Clamp band diameter (mm)	28.6	-	*X	*X
	31.8	-	*X	*X
	34.9	-	X	X
Crankset top gear teeth	40T-34T	40T-34T	40T-34T	40T-34T
Average weight (g)	21.1	27.1	33	42.1
Note	Compatible with the special crankset which chain line is 3 mm outboard.	Compatible with the special crankset which chain line is 3 mm outboard.	* w/ Multi Clamp Band	* w/ Multi Clamp Band

System Information Display

Series	SHIMANO	
Model no.	SC-MT800	
Compatible system	E-TUBE system	
Wireless system***	ANT private* Bluetooth®LE	
Attachment position	Handle bar**	
Display detachable	-	
Adjust button	X	
Display function***	Gear indicator (rear)	11
	Gear indicator (front)	1/2/3
	Shifting Mode (manual / SYNCHRONIZED SHIFT)	X
	Suspension Mode	X
	Shifting adjust mode	X
Setting function	Battery charge level	X
	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	
SD50 port (pcs)	3	
SD300 port (pcs)	0	
SD50 connector (pcs)	0	
SD300 connector (pcs)	0	
Average weight (g)	30	
Note	* ANT private has compatibility with ANT+ cycle computer but not freely open profile. ** 2 Spec of clamp band diameter φ31.8 and φ35.0 *** Data of list of "Display function" is sent to other digital device by ANT private.	

Shift/Brake Lever (Hydraulic Disc Brake)

Series	GRX	GRX		
Model no.	ST-RX815-R	ST-RX815-L		
Color	1	Series color		
	2	Series color		
Shifter type	DUAL CONTROL LEVER	DUAL CONTROL LEVER		
Remote switch	X	X		
Brake lever	Brake hose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	
	Hose joint	Straight	Straight	
	Brake hose color (kit)	1	Black	Black
		2	-	-
	Recommended brake caliper	BR-RX810	BR-RX810	
	Oil	SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust	X	X	
	Clamp band (mm)	23.8-24.2	23.8-24.2	
	Funnel bleeding	X	X	
	Free stroke adjust	X	X	
SERVO WAVE	X	X		
Di2 connectivity wired	Di2 shifting	X	X	
Di2 connectivity wireless	Di2 shifting	-	-	
Master unit	-	-		
Firmware update by E-TUBE PROJECT	X	X		
SD50 port (pcs)	2	2		
SD300 port (pcs)	0	0		
SD50 connector (pcs)	0	0		
SD300 connector (pcs)	0	0		
Port for SD50 remote sprinter shifter (pcs)	0	0		
Port for SD300 satellite shifter (pcs)	0	0		
Battery	-	-		
Average weight (g)	373 (/pair)	373 (/pair)		
Note				

Rear Derailleur

Series		GRX	GRX
Model no.		RD-RX815	RD-RX817
Pulley cage		-	-
Color	1	Series color	Series color
	2	-	-
Rear speeds		11	11
Top-normal spring type	SHIMANO SHADOW RD	-	-
	SHIMANO SHADOW RD+	X	X
	Double servo	-	-
Mount	Direct attachment (conventional)	-	-
	Direct mount compatible	X	X
	Riveted adapter (road type)	-	-
	Riveted adapter (BMX-track type)	-	-
Max. front difference		17T	-
Total capacity		38T	31T
Low sprocket	Max.	34T	42T
	Min.	30T	40T
Top sprocket	Max.	11T	11T
	Min.	11T	11T
Fluoroc coated link bushings		4	4
Pulley	Guide pulley bearing	Sealed bearing	Sealed bearing
	Tension pulley bearing	Sealed bearing	Sealed bearing
	Teeth	13T	11T
	Sunken type pulley screw	-	-
B-axle	Hollow axle	X	X
B-axle 2	Hollow axle	-	-
Di2 connectivity wired	Di2 shifting	X	X
Di2 connectivity wireless	Di2 shifting		-
	Bluetooth® LE	Cycling power	-
		Bicycle power	-
	ANT+	Adjust mode information	-
		Di2 battery level	-
		Gear position	-
		SHIMANO STEPS data items (*3)	-
		Compatible with E-TUBE RIDE	-
		Compatible with E-TUBE PROJECT	-
	ANT private (*2)	Adjust mode information	-
		Di2 battery level	-
		Gear position	-
		SHIMANO STEPS data items (*3)	-
		Firmware update by E-TUBE PROJECT	X
	SD50 port (pcs)		1
SD300 port (pcs)		0	
SD50 connector (pcs)		0	
SD300 connector (pcs)		0	
LED for system status		-	
Charging port (pcs)		-	
Average weight (g)		287	
Average weight (g)		318	
<p>Note</p> <p>*1 Bluetooth LE custom has compatibility with a Bluetooth LE cycle computer and smartphones/tablet but not freely open profile.</p> <p>*2 ANT private has compatibility with ANT+ cycle computer but not freely open profile.</p> <p>*3 SHIMANO STEPS data items will be shown only when connected to SHIMANO STEPS bike</p>			

Front Derailleur

Series		GRX
Model no.		FD-RX815-F
Color	1	Series Color
	2	-
Front speeds		2
Rear speeds		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)		47
Chainstay angle (deg.)		61-66
Top gear teeth		46-48T
Total capacity		17T
Link bushings		2
Master unit		-
Firmware update by E-TUBE PROJECT		X
SD50 port (pcs)		1
SD300 port (pcs)		0
SD50 connector (pcs)		0
SD300 connector (pcs)		0
Average weight (g) (band type: L size, direct type w/ screw)		135
Note		

Shift/Brake Lever

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		ST-R9250-R	ST-R9250-L	ST-R8150-R	ST-R8150-L	ST-R9150-R	ST-R9150-L	ST-R9160-R
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER
Remote switch		X	X	X	X	X	X	-
Brake lever	Reach adjust	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	23.8/24.2	INNER DIA. 19.0 - 22.5
	SLR-EV	X	X	X	X	X	X	X
Master unit		-	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X
Di2 connectivity wired	Di2 shifting	X	X	X	X	X	X	X
Di2 connectivity wireless	Di2 shifting	-	-	-	-	-	-	-
SD50 port (pcs)		0	0	0	0	2	2	1
SD300 port (pcs)		2	2	2	2	0	0	0
SD50 connector (pcs)		0	0	0	0	0	0	0
SD300 connector (pcs)		0	0	0	0	0	0	0
Port for SD50 remote sprinter shifter (pcs)		0	0	0	0	1	1	0
Port for SD300 satellite shifter (pcs)		1	1	1	1	-	-	-
Battery		-	-	-	-	-	-	-
Average weight (g)		-	-	-	-	230 (/pair)	230 (/pair)	127 (/pair)
Note		-	-	-	-	-	-	-

Series		DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		ST-R9160-L	ST-R8050-R	ST-R8050-L	ST-R8060-R	ST-R8060-L	ST-6870	ST-6871
Shifter type		TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER
Remote switch		-	X	X	-	-	-	-
Brake lever	Reach adjust	X	X	X	X	X	X	X
	Clamp band (mm)	INNER DIA. 19.0 - 22.5	23.8/24.2	23.8/24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	23.8/24.2	INNER DIA. 19.0 - 22.5
	SLR-EV	X	X	X	X	X	X	X
Master unit		-	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X
Di2 connectivity wired	Di2 shifting	X	X	X	X	X	X	X
Di2 connectivity wireless	Di2 shifting	-	-	-	-	-	-	-
SD50 port (pcs)		1	2	2	1	1	4	0
SD300 port (pcs)		0	0	0	0	0	0	0
SD50 connector (pcs)		0	0	0	0	0	0	2
SD300 connector (pcs)		0	0	0	0	0	0	0
Port for SD50 remote sprinter shifter (pcs)		0	1	1	0	0	2	0
Port for SD300 satellite shifter (pcs)		-	-	-	-	-	-	-
Battery		-	-	-	-	-	-	-
Average weight (g)		127 (/pair)	295 (/pair)	295 (/pair)	138 (/pair)	138 (/pair)	303.2 (/pair)	148 (/pair)
Note		-	-	-	-	-	-	-

Shift/Brake Lever (Hydraulic Disc Brake)

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	
Model no.		ST-R9270-R	ST-R9270-L	ST-R8170-R	ST-R8170-L	ST-R9170-R	ST-R9170-L	ST-R9180-R	ST-R9180-L	ST-R8070-R	ST-R8070-L	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	-	-	-	-	
Shifter type		DUAL CONTROL LEVER	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	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Remote switch		X	X	X	X	X	X	-	-	X	X	
Brake lever	Brake hose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SS	SM-BH90-JK-SS	SM-BH90-JK-SSR	SM-BH90-JK-SSR	
	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	-	-	-	-	-	-	-	-	-	-
	Recommended brake caliper	BR-R9270	BR-R9270	BR-R8170	BR-R8170	BR-R9170	BR-R9170	BR-R9170	BR-R9170	BR-R8070	BR-R8070	
	Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	
	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	23.8 - 24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	23.8 - 24.2	23.8 - 24.2	
	Funnel bleeding	X	X	X	X	X	X	X	X	X	X	
	Free stroke adjust	X	X	X	X	X	X	-	-	X	X	
SERVO WAVE	X	X	X	X	-	-	-	-	-	-		
Di2 connectivity wired	Di2 shifting	X	X	X	X	X	X	X	X	X	X	
Di2 connectivity wireless	Di2 shifting	X	X	X	X	-	-	-	-	-	-	
Master unit		-	-	-	-	-	-	-	-	-	-	
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X	X	X	X	X	
SD50 port (pcs)		0	0	0	0	2	2	1	1	2	2	
SD300 port (pcs)		1	1	1	1	0	0	0	0	0	0	
SD50 connector (pcs)		0	0	0	0	0	0	0	0	0	0	
SD300 connector (pcs)		0	0	0	0	0	0	0	0	0	0	
Port for SD50 remote sprinter shifter (pcs)		0	0	0	0	0	0	0	0	0	0	
Port for SD300 satellite shifter (pcs)		1	1	1	1	0	0	0	0	0	0	
Battery		CR1632	CR1632	X	X	-	-	-	-	-	-	
Average weight (g)		-	-	-	-	160	160	99	99	180	180	
Note		-	-	-	-	-	-	-	-	-	-	

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

- SW
- RD
- FD
- SMAD
- SC
- ST/BL
- RD
- FD
- ST/BL
- SW
- RD
- FD
- SMAD
- SG
- MU
- EW
- EWC
- GM
- WU
- JC
- BT
- BM
- SMBT
- SMBC
- BCC
- EWEC
- SMPC
- SMCB
- SMCC

Shift Switch

Series Model no.	SHIMANO SW-RS801-S	SHIMANO SW-RS801-T	SHIMANO SW-R9150	DURA-ACE SW-R9160	SHIMANO SW-R671	SHIMANO SW-R610	SHIMANO SW-R600
Switch type	Short cable, for Remote sprinter switch	Long cable, for Top bar switch	Option SW, pair	Bar-end SW for TT, pair	Remote Triathlon shifter Current 2 button design, pair	Remote sprinter shifter, pair	Remote satellite shifter (Climbing shifter)
Position	On road Bar	Top handle	On road Bar	DH Bar	DH Bar	Anywhere	Anywhere
Compatible electric wire	-	-	EW-SD50	EW-SD50	EW-SD50	-	EW-SD50
Master unit	-	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	X	X	X	-	X
SD50 port (pcs)	0	0	0	2	0	0	0
SD300 port (pcs)	0	0	0	0	0	0	0
SD50 connector (pcs)	0	0	2	0	2	0	1
SD300 connector (pcs)	0	0	0	0	0	0	0
Connector for SD50 remote sprinter shifter (pcs)	0	0	0	0	0	2	0
Connector for SD300 satellite shifter (pcs)	1/each total 2	1/each total 2	0	0	0	0	0
Port for SD50 remote sprinter shifter (pcs)	0	0	0	0	0	0	0
Port for SD300 satellite shifter (pcs)	0	0	0	0	0	0	0
Wireless shifting	-	-	-	-	-	-	-
Average weight (g)			12 (/pair)	40 (/pair)	100 (/pair)	5.8 (/pair)	19 (/pc)
Note	2 pcs switch in a spec model	2 pcs switch in a spec model					

Rear Derailleur

Series Model no.	DURA-ACE RD-R9250	ULTEGRA RD-R8150	DURA-ACE RD-R9150	ULTEGRA RD-R8050-SS		
Pulley cage	-	-	SS	SS		
Color	1	Series color	Series color	Series color		
	2	-	-	-		
Rear speeds	12	12	11	11		
Top-normal spring type	SHIMANO SHADOW RD	X	X	X		
	SHIMANO SHADOW RD+	-	-	-		
	Double servo	-	-	-		
Mount	Direct attachment (conventional)	-	-	-		
	Direct mount compatible	X	X	X*		
	Riveted adapter (road type)	-	-	-		
	Riveted adapter (BMX-track type)	-	-	-		
Max. front difference	16T	16T	16T	16T		
Total capacity	37T	39T	33T	33T		
Low sprocket	Max.	34T	34T	30T		
	Min.	28T	28T	25T		
Top sprocket	Max.	11T	14T	14T		
	Min.	11T	11T	11T		
Pulley	Fluoric coated link bushings	4	4	4		
	Guide pulley bearing	X	X	X		
	Tension pulley bearing	X	X	X		
	Teeth	11	11	11		
	Sunken type pulley screw	X	X	X		
B-axle	Hollow axle	X	X	X		
B-axle 2	Hollow axle	-	X	-		
Di2 connectivity wired	Di2 shifting	X	X	X		
	Di2 shifting	X	X	-		
Di2 connectivity wireless	Bluetooth® LE ANT+	Cycling power	-	-	-	
		Bicycle power	-	-	-	
	Bluetooth® LE custom (*1)	Adjust mode information	X	X	-	
		Di2 battery level	X	X	-	
		Gear position	X	X	-	
		SHIMANO STEPS data items (*3)	X	X	-	
		Compatible with E-TUBE RIDE	X	X	-	
		Compatible with E-TUBE PROJECT	X	X	-	
	ANT private (*2)	Adjust mode information	X	X	-	
		Di2 battery level	X	X	-	
		Gear position	X	X	-	
		SHIMANO STEPS data items (*3)	X	X	-	
Firmware update by E-TUBE PROJECT	X	X	X	X		
SD50 port (pcs)	0	0	1	1		
SD300 port (pcs)	1	1	0	0		
SD50 connector (pcs)	0	0	0	0		
SD300 connector (pcs)	0	0	0	0		
LED for system status	X	X	-	-		
Charging port (pcs)	1	1	0	0		
Average weight (g)			197	240		
Note	*1 Bluetooth LE custom has compatibility with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 ANT private has compatibility with ANT+ cycle computer but not freely open profile. *3 SHIMANO STEPS data items will be shown only when connected to SHIMANO STEPS bike		w/o Bracket spec. available	w/o Bracket spec. available	w/o Bracket spec. available	* w/o Bracket spec. available

Rear Derailleur

Series		ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA RX
Model no.		RD-R8050-GS	RD-6870-SS	RD-6870-GS	RD-RX805-GS
Pulley cage		GS	SS	GS	GS
Color	1	Series color	Series color	Series color	Series color
	2	-	-	-	-
Rear speeds		11	11	11	11
Top-normal spring type	SHIMANO SHADOW RD	X	-	-	-
	SHIMANO SHADOW RD+	-	-	-	X
	Double servo	-	X	X	-
Mount	Direct attachment (conventional)	-	-	-	-
	Direct mount compatible	X*	X	X	X*
	Riveted adapter (road type)	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-
Max. front difference		16T	16T	16T	16T
Total capacity		37T	33T	37T	39T
Low sprocket	Max.	34T	28T	32T	34T
	Min.	28T	23T	28T	28T
Top sprocket	Max.	12T	14T	12T	11T
	Min.	11T	11T	11T	11T
Fluoric coated link bushings		4	4	4	4
Pulley	Guide pulley bearing	X	X	X	X
	Tension pulley bearing	X	X	X	X
	Teeth	11	11	11	11
	Sunken type pulley screw	X	X	X	X
B-axle	Hollow axle	X	-	-	X
B-axle 2	Hollow axle	-	-	-	-
Di2 connectivity wired	Di2 shifting	X	X	X	X
	Di2 shifting	-	-	-	-
Di2 connectivity wireless	Bluetooth® LE	Cycling power	-	-	-
		Bicycle power	-	-	-
	ANT+	Adjust mode information	-	-	-
		Di2 battery level	-	-	-
	Bluetooth® LE custom (*1)	Gear position	-	-	-
		SHIMANO STEPS data items (*3)	-	-	-
		Compatible with E-TUBE RIDE	-	-	-
		Compatible with E-TUBE PROJECT	-	-	-
	ANT private (*2)	Adjust mode information	-	-	-
		Di2 battery level	-	-	-
		Gear position	-	-	-
		SHIMANO STEPS data items (*3)	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X
SD50 port (pcs)		1	1	1	1
SD300 port (pcs)		0	0	0	0
SD50 connector (pcs)		0	0	0	0
SD300 connector (pcs)		0	0	0	0
LED for system status		-	-	-	-
Charging port (pcs)		0	0	0	0
Average weight (g)		247	257	268	280
Note					
*1 Bluetooth LE custom has compatibility with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile.		* w/o Bracket spec. available		* w/o Bracket spec. available	
*2 ANT private has compatibility with ANT+ cycle computer but not freely open profile.					
*3 SHIMANO STEPS data items will be shown only when connected to SHIMANO STEPS bike					

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

- SW
- RD
- FD
- SMAD
- SC
- ST/BL
- RD
- FD
- ST/BL
- SW
- RD
- FD
- SMAD
- SG
- MU
- EW
- EWC
- GM
- WU
- JC
- BT
- BM
- SMBT
- SMBC
- BCC
- EVEC
- SMPCE
- SMCB
- SMCC

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

Front Derailleur

Series		DURA-ACE	ULTEGRA	DURA-ACE	ULTEGRA	ULTEGRA
Model no.		FD-R9250	FD-R8150	FD-R9150	FD-R8050	FD-6870-F
Color	1	Series color	Series color	Series color	Series Color	Series color
	2	-	-	-	-	-
Front speeds		2	2	2	2	2
Rear speeds		12	12	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	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
Mount	Clamp band1	-	-	-	-	-
	Clamp band2	-	-	-	-	-
	Clamp band3	-	-	-	-	-
	Brazed-on	X	X	X	X	X
Chain line (mm)		44.5	44.5	43.5	43.5	43.5
Chainstay angle (deg.)		61 - 66	61 - 66	61 - 66	61 - 66	61 - 66
Top gear teeth		46-55T	50-54T	50T-55T	46T-53T	46T-53T
Total capacity		16T	16T	16T	16T 17T*	16T
Link bushings		4	4	4	2	4
Master unit		-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X
SD50 port (pcs)		0	0	1	1	1
SD300 port (pcs)		1	1	0	0	0
SD50 connector (pcs)		0	0	0	0	0
SD300 connector (pcs)		0	0	0	0	0
Average weight (g) (band type: L size, direct type w/ screw)				104	132	138.5
Note					* Use with E-BIKE	

- SW
- RD
- FD
- SMAD
- SC
- ST/BL
- RD
- FD
- ST/BL
- SW
- RD
- FD
- SMAD
- SG
- MU
- EW
- EWC
- GM
- WU
- JC
- BT
- BM
- SMBT
- SMBC
- BCC
- EWEC
- SMPCE
- SMCB
- SMCC

Front Derailleur (Adapter)

Series		DURA-ACE	DURA-ACE
Model no.		SM-AD91-L	SM-AD91-MS
Clamp band diameter (mm)	28.6	-	X*
	31.8	-	X
	34.9	X	-
Note			* w/ Multi Clamp Band

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7051-11	SG-S7051-8	SG-C6061-8V	SG-C6061-8R	SG-C6061-8D	SG-C7050-5V	SG-C7050-5R	SG-C7050-5C	SG-C7050-5D
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	V-BRAKE	INTER-M	CENTER LOCK disc brake	V-BRAKE	INTER-M	Coaster brake	CENTER LOCK disc brake
	Recommended model	-	-	-	-	-	-	BR-C6000 BR-C3010 BR-C3000	-	-
Rear speeds		11	8	8	8	8	5	5	5	5
Gear ratio	Total	409%	307%	307%	307%	307%	263%	263%	263%	263%
	1	0.527	0.527	0.527	0.527	0.527	1	1	1	1
	2	0.681	0.644	0.644	0.644	0.644	1.277	1.277	1.277	1.277
	3	0.770	0.748	0.748	0.748	0.748	1.622	1.622	1.622	1.622
	4	0.878	0.851	0.851	0.851	0.851	2.07	2.07	2.07	2.07
	5	0.995	1	1	1	1	2.63	2.63	2.63	2.63
	6	1.134	1.223	1.223	1.223	1.223	-	-	-	-
	7	1.292	1.419	1.419	1.419	1.419	-	-	-	-
	8	1.462	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	Di2	Di2
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	High	High	High	High	High
w/ Left hand dust cap		-	-	X	-	-	X	-	-	-
O.L.D. (mm)		135	135	135	135	135	135	135	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	X	-	-	-	-	-	-	-	-
	32H	X	X	-	-	X	-	-	X	X
	36H	X	X	X	X	X	X	X	X	X
	Others	-	-	-	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	-	-	-	-
	184	-	-	-	-	-	-	-	-	-
	187	X	X	X	X	X	X	X	X	X
	193	-	-	-	-	-	-	-	-	-
Others		-	-	-	-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	57.3	58.3	58.3	58.3	57.3
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	3.1	3.1	3.4	3.7	3.7	3.7	3.2
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 (g)		1665	1670	1685	1660	1680	1670	1670	1970	1670
Note		-	-	-	-	-	-	-	-	-

- MTB
- TREKKING
- GRAVEL
- ROAD
- URBAN
- GENERAL
- Di2 Spec

- SW
- RD
- FD
- SMAD
- SC
- ST/BL
- RD
- FD
- ST/BL
- SW
- RD
- FD
- SMAD
- SG
- MU
- EW
- EWC
- GM
- WU
- JC
- BT
- BM
- SMBT
- SMBC
- BCC
- EWEC
- SMPCE
- SMCB
- SMCC

Motor Unit

Series		SHIMANO	SHIMANO
Model no.		MU-UR510	MU-UR500
Color	1	Black	Standard
	2	-	-
	3	-	-
Compatible internal geared hub		SG-S7051 SG-C6061 SG-C7050	SG-S705 SG-S7051 SG-C6060 SG-C6061 SG-C7050
Compatible speed		11/8/5 speed	11/8/5-speed
Master unit		-	-
Firmware update by E-TUBE PROJECT		X	X
SD50 port (pcs)		0	1
SD300 port (pcs)		1	0
SD50 connector (pcs)		0	0
SD300 connector (pcs)		0	0
Charging port (pcs)		0	0
Note		-	-

Electric Wire

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-SD300	EW-SD300-I	EW-SD50	EW-SD50-I
Type	For external routing	For built-in routing	For external routing	For built-in routing
Compatible system	E-TUBE system	E-TUBE system	E-TUBE system	E-TUBE system
SD50 port (pcs)	0	0	0	0
SD300 port (pcs)	0	0	0	0
SD50 connector (pcs)	0	0	2	2
SD300 connector (pcs)	2	2	0	0
Cord diameter	Φ2.4	Φ2.4	Φ2.8	Φ2.8
Plug diameter	Φ3.45	Φ3.45	Φ5.1	Φ5.1
Note	Cable length: 150-1600 mm	Cable length: 150-1600 mm	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	SHIMANO
Model no.	SM-EWC2	EW-CC300
Specification	Long/Short	Long
Color	1	Black
	2	White
	3	-
Length	Long: 300 mm Short: 50 mm	300 mm
Compatible electric wire	EW-SD50	EW-SD300
Note		

Grommet

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-GM300-S	EW-GM300-M	SM-GM01	SM-GM02
Compatible electric wire	EW-SD300	EW-SD300	EW-SD50	EW-SD50
Hole dimension on frame	6 mm circle	7 x 8 mm	6 mm circle	7 x 8 mm
Note				

Wireless Unit

Series	SHIMANO	
Model no.	EW-WU111	
Wireless system	ANT private* Bluetooth®LE	
Master unit	-	
Firmware update by E-TUBE PROJECT	X	
SD50 port (pcs)	2	
SD300 port (pcs)	0	
SD50 connector (pcs)	0	
SD300 connector (pcs)	0	
Compatible system	Bluetooth®LE corresponding master unit	
Function **	Gear position	X
	Di2 Battery level	X
	Adjust mode display	X
	Suspension mode	X
	Shift mode	X
Note	* 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
Model no.	EW-RS910	SM-EW90-A	SM-EW90-B
Type	Built-in type	External type	External type
Position	In side of frame or handle	Under stem	Under stem
Wireless system	-	-	-
Compatible system	E-TUBE	E-TUBE	E-TUBE
Compatible electric wire	EW-SD50	EW-SD50	EW-SD50
Master unit	-	-	-
Firmware update by E-TUBE PROJECT	X	X	X
SD50 port (pcs)	2	3	5
SD300 port (pcs)	0	0	0
SD50 connector (pcs)	0	0	0
SD300 connector (pcs)	0	0	0
Connector for remote sprinter shifter (QTY)	0	0	0
Port for remote sprinter shifter (QTY)	0	0	0
Charging port (pcs)	1	1	1
Function	Gear position	X	X
	Di2 Battery level	X	X
	Adjust mode display	X	X
	E-TUBE connection	X	X
Average weight (g)	11	10	13
Note			

Junction-B

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-AD305	EW-JC302	EW-JC304	EW-JC200	EW-JC130-SS	EW-JC130-SM	EW-JC130-MM	SM-JC41	SM-JC40
Type	Conversion adapter	2 ports junction	4 ports junction	2 ports junction	Y-split routing-SS	Y-split routing-SM	Y-split routing-MM	Built-in type	External type
Master unit	-	-	-	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-	-	-	-	-	-	-
SD50 port (pcs)	1	0	0	2	0	0	0	4	4
SD300 port (pcs)	1	2	4	0	0	0	0	0	0
SD50 connector (pcs)	0	0	0	0	3	3	3	0	0
SD300 connector (pcs)	0	0	0	0	0	0	0	0	0
Average weight (g)				-	-	-	-	4.1	8.6
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		

Battery

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	BT-DN300	BT-DN110-A	BT-DN110	SM-BTR1
Type	Built-in battery	Built-in battery	Built-in battery	External
Chemistry	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Rated voltage (V)	7.4	7.4	7.4	7.4
Rated capacity (Ah)	0.5	0.5	0.5	0.5
Rated capacity (Wh)	3.7	3.7	3.7	3.7
Compatible charger	RD-R9250, RD-R8150	SM-BCR2	SM-BCR2	SM-BCR1
Master unit	X	X	X	-
Firmware update by E-TUBE PROJECT	X	X	X	-
SD50 port (pcs)	0	1	1	0
SD300 port (pcs)	3	0	0	0
SD50 connector (pcs)	0	0	0	0
SD300 connector (pcs)	0	0	0	0
Average weight (g)		50	50	70
Note	Fixing smallparts and 3dummy capincluded	Type1: w/ Recycle mark Type2: w/o Recycle mark Type3: for Korean market	Type1: w/ Recycle mark Type2: w/o Recycle mark Type3: for Korean market	Type1: w/ Recycle mark Type2: w/o Recycle mark

MTB
TREKKING
GRAVEL
ROAD
URBAN
GENERAL
Di2 Spec



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
SD50 port (pcs)	1	1	1
SD300 port (pcs)	0	0	0
SD50 connector (pcs)	0	0	0
SD300 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	SD50 port (pcs)	6 *
	SD300 port (pcs)	0
	SD50 connector (pcs)	0
	SD300 connector (pcs)	0
	Compatible battery	BT-DN110 BT-DN110-A
	Compatible electric wire	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 BT-DN110-A	SM-BTR1
Charging cord	Including SM-BCR2	SM-BCC1
Note	PC linkage device with limited function	

Charger Cord

Series	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
Plug type	Type C	Type A	Type A	Type O	Type A	Type BF	Type C
Typical example country/region	Europe	USA Canada	Japan	Australia New Zealand	China	U.K	Korea
Rated power input (V)	220/230	120	100	240	220	230/240	220
Cable length (m)	1	2	1	1	1	1	1
Note							

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BCC1-8	SM-BCC1-9	SM-BCC1-10	SM-BCC1-11	SM-BCC1-12	SM-BCC1-13
Plug type	Type A	Type B3L	Type O	Type C	Type C	Type C
Typical example country/region	Taiwan	South-Africa	Argentina	Israel	Brazil	Thailand
Rated power input (V)	110	220/230	220	230	127/220	250
Cable length (m)	1	1	1	1	1	1
Note						

Charging Cable

Series	SHIMANO
Model no.	EW-EC300
USB connector	Type-A
Cable length (m)	1.5
Note	

PC Linkage Device

Series	SHIMANO
Model no.	SM-PCE02
USB port (pcs)	Micro: 1
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	0
PC link port (pcs)	1
LED	Green: 1
Note	

Cord Band

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-CB300-S	EW-CB300-M	EW-CB300-L
Specification	Cord Band S	Cord Band M	Cord Band L
Compatible electric wire	EW-SD300	EW-SD300	EW-SD300
Handle bar diameter	Φ22.2	Φ31.8	Φ35
Color	1	Black	Black
	2	-	-
Note			

Cord Clip

Series	SHIMANO	SHIMANO
Model no.	EW-CL300-S	EW-CL300-M
Compatible electric wire	EW-SD300	EW-SD300
Clamp diameter	Φ2.3 / Φ4 for shift outer casing	Φ2.3 / Φ5 for brake hose
Color	1	Black
	2	-
Note		

Drivetrain for MTB components

Rear drivetrain compatibility [MTB]-----	C-433	316-320
Front drivetrain compatibility [MTB]-----	C-440	321-324

Drivetrain for ROAD, Gravel/Adventure, URBAN components

Rear drivetrain compatibility-----	C-454	325-327
Front drivetrain compatibility-----	C-455	328-329
Brake systems compatibility [ROAD]-----	C-456	330
Hydraulic systems compatibility [ROAD, Gravel/Adventure]-----	C-499	331
Hydraulic systems compatibility [URBAN]-----	C-500	331

Electronic product information

E-TUBE compatibility chart-----	C-473	332-334
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COMPATIBILITY



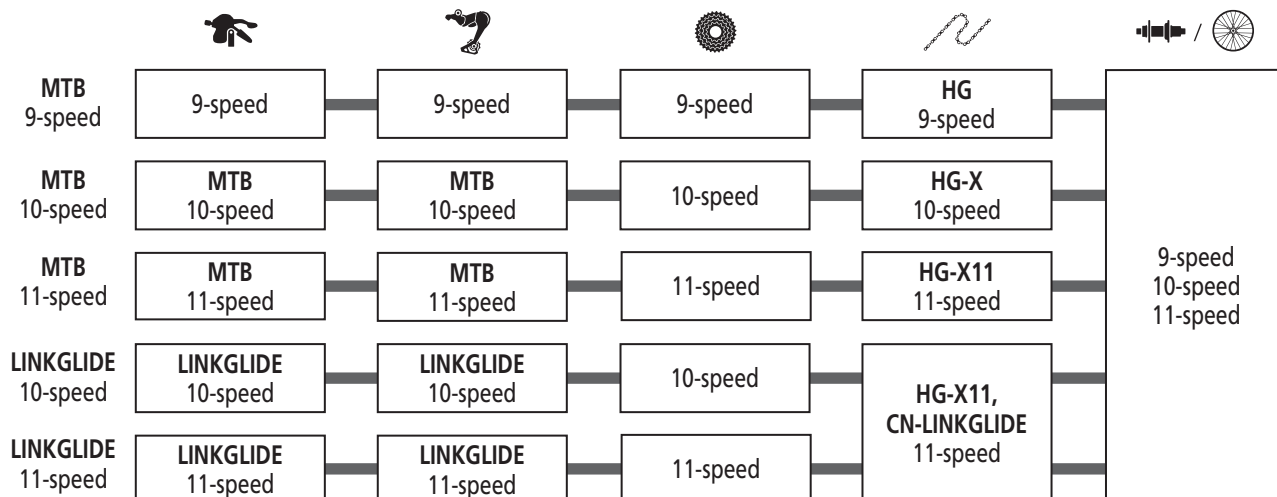
Drivetrain for MTB components

Rear drivetrain compatibility [MTB]

C-433

9,10,11-speed rear drivetrain compatibility

C-434

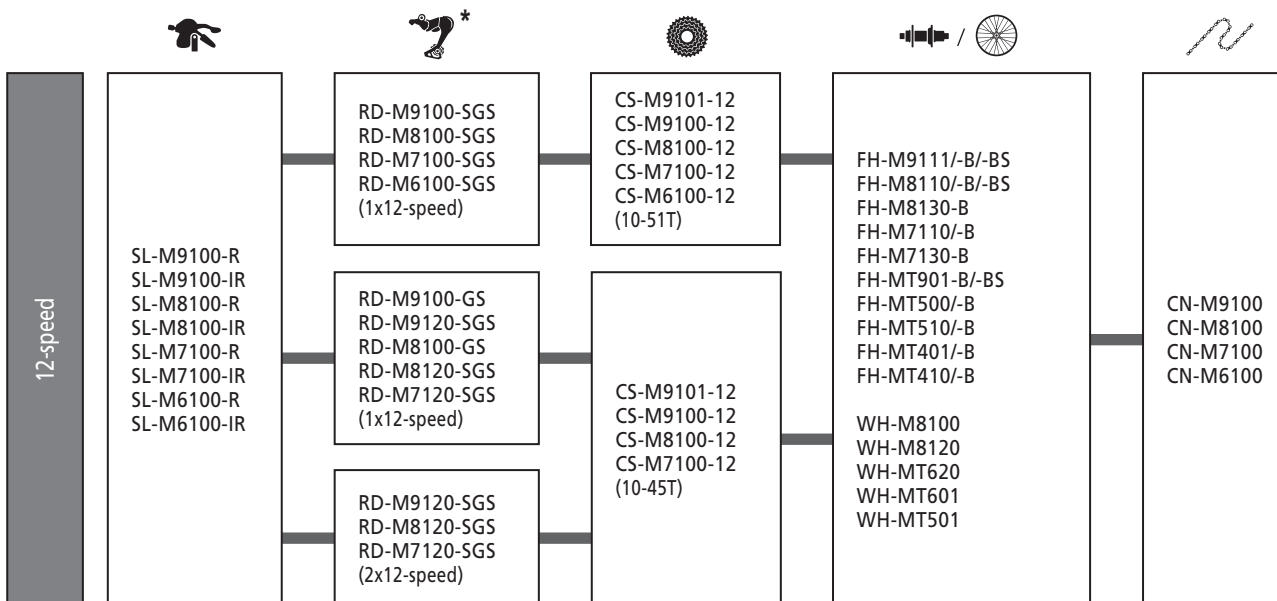


Note:

For compatibility of LINKGLIDE cassette sprocket, refer to C-649

12-speed rear drivetrain (MICRO SPLINE) [MTB]

C-558



* Method to adjust the end adjustment screw is different from conventional rear derailleurs. For details, refer to dealer's manual.

11-speed rear drivetrain [MTB]

C-435

MTB

ROAD
GRAVEL
URBAN

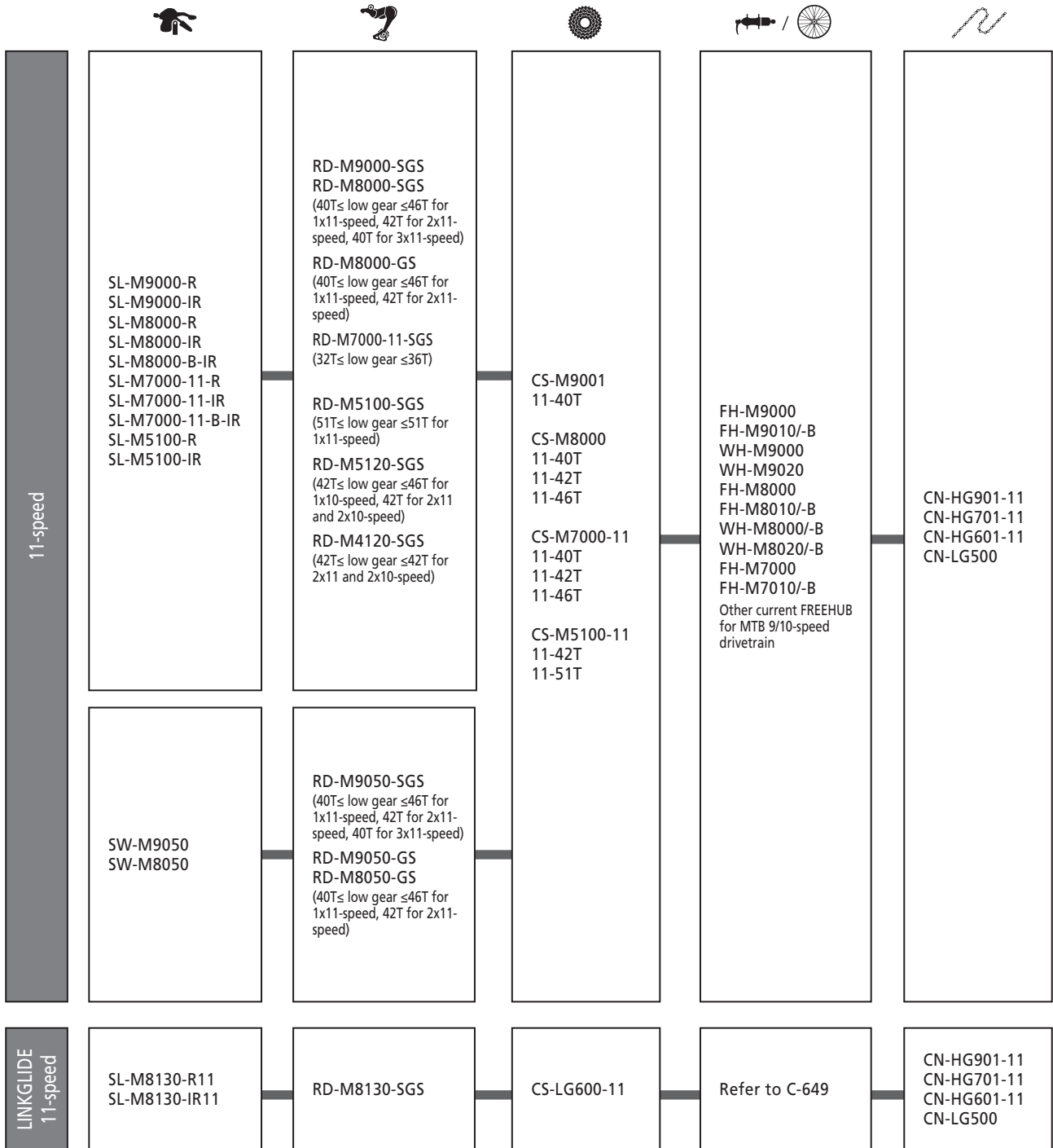
ELECTRONIC
PRODUCT

REAR

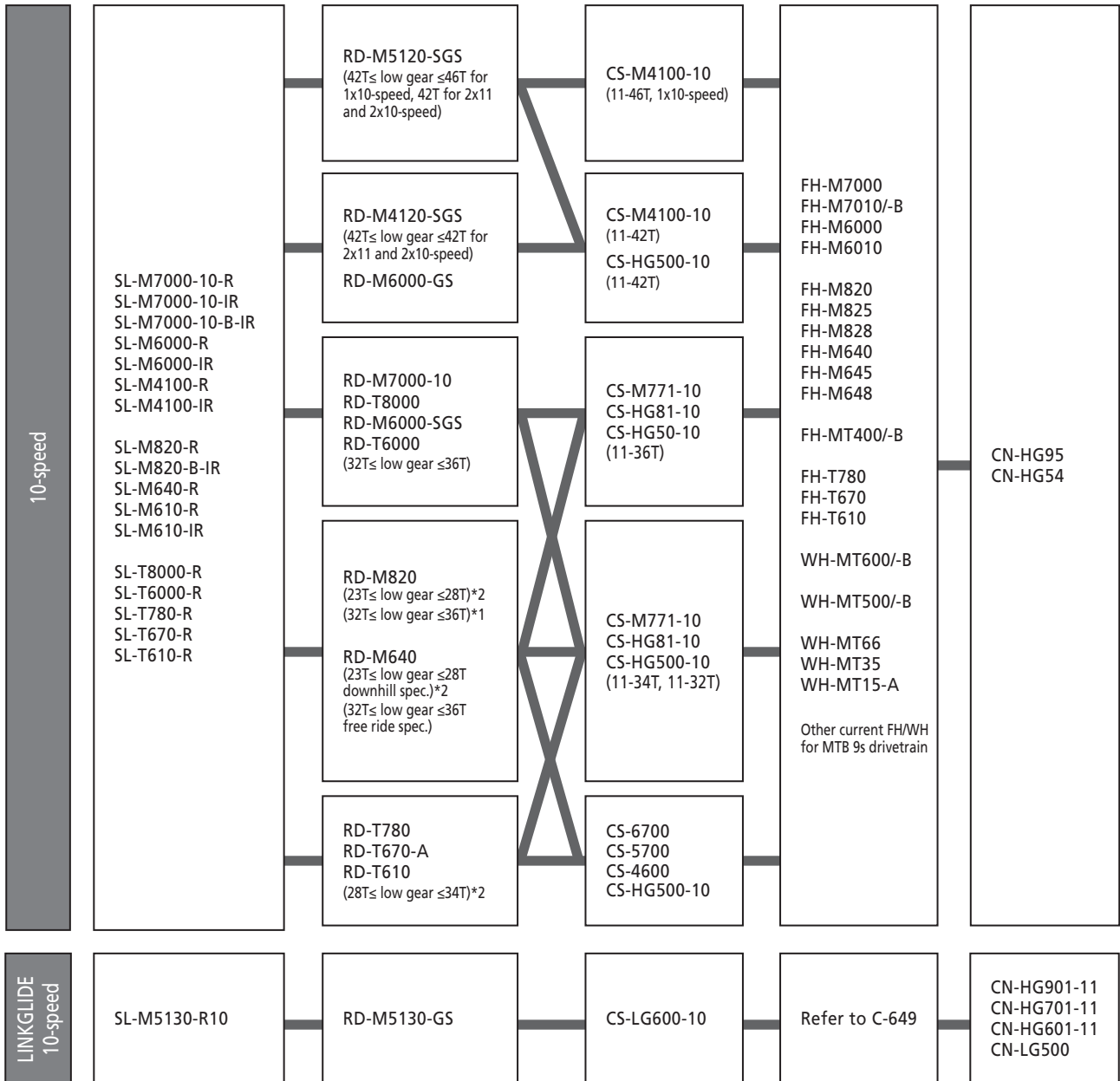
FRONT

BRAKE

Di2



10-speed rear drivetrain [MTB]

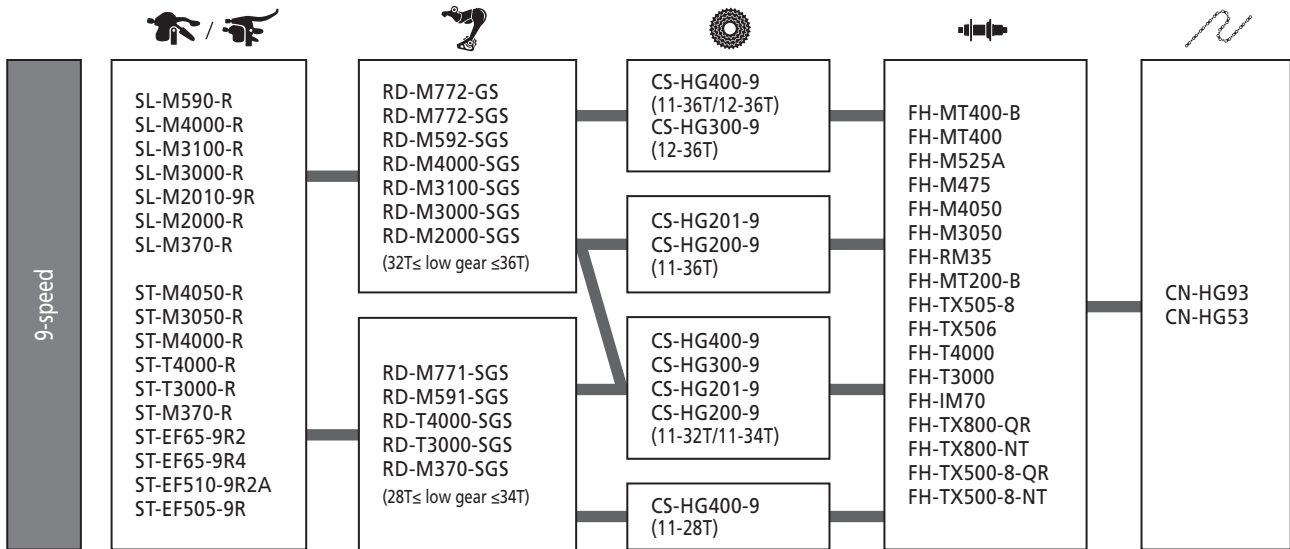


*1: Mode converter

*2: Compatible with road Cassette sprocket

9-speed rear drivetrain [MTB]

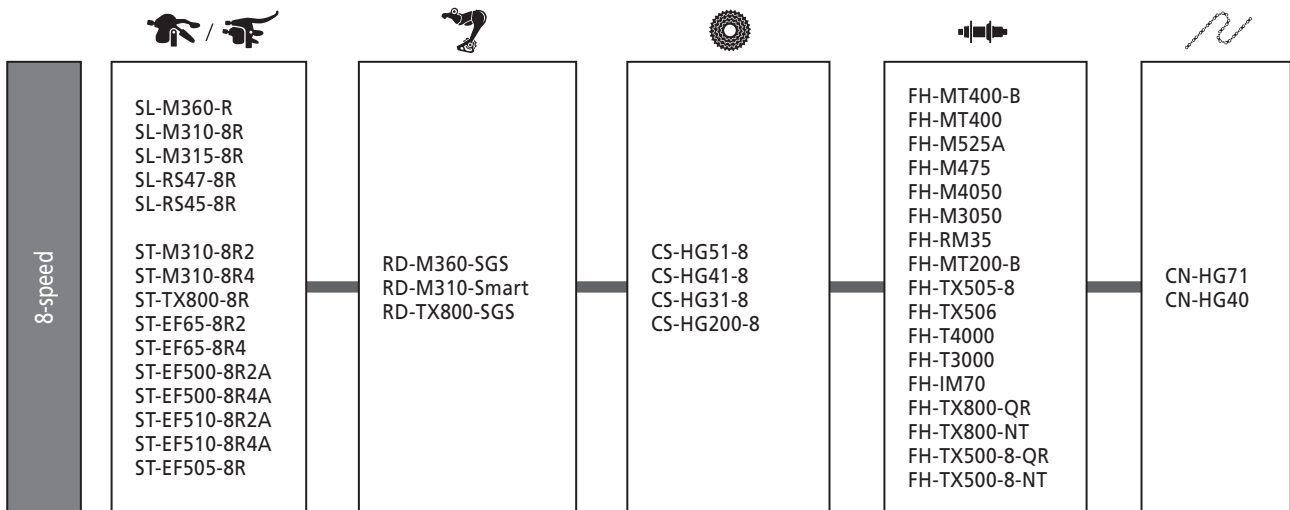
C-437



8-speed HG [MTB]

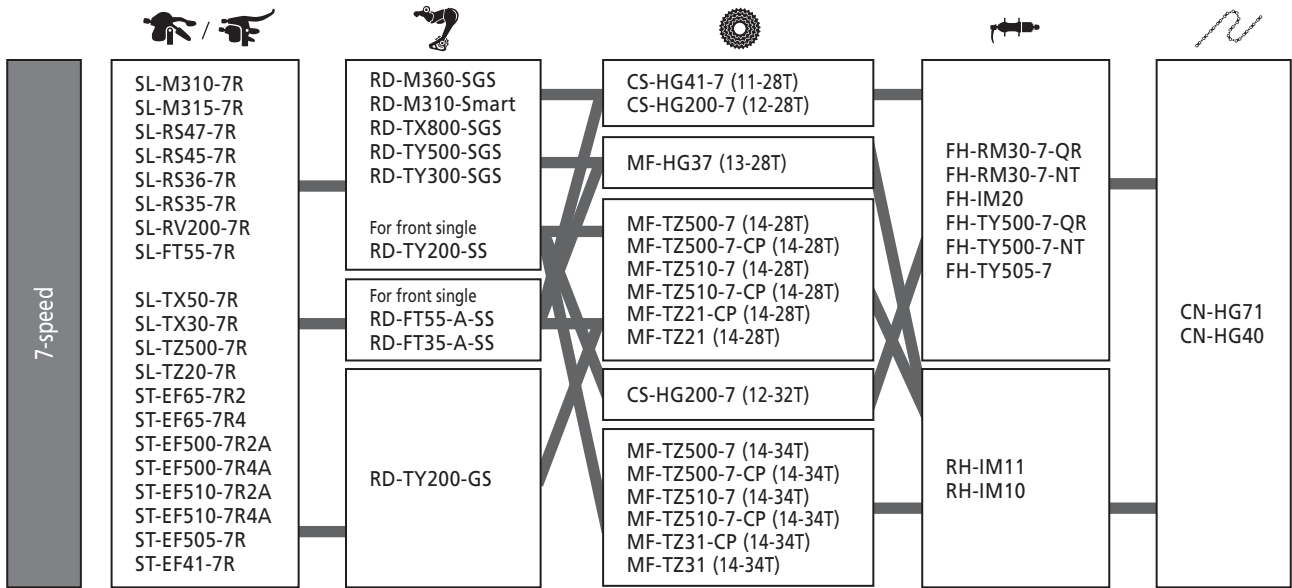
C-438

The rear derailleur for 8-speed can also be used for 7-speed drivetrain.



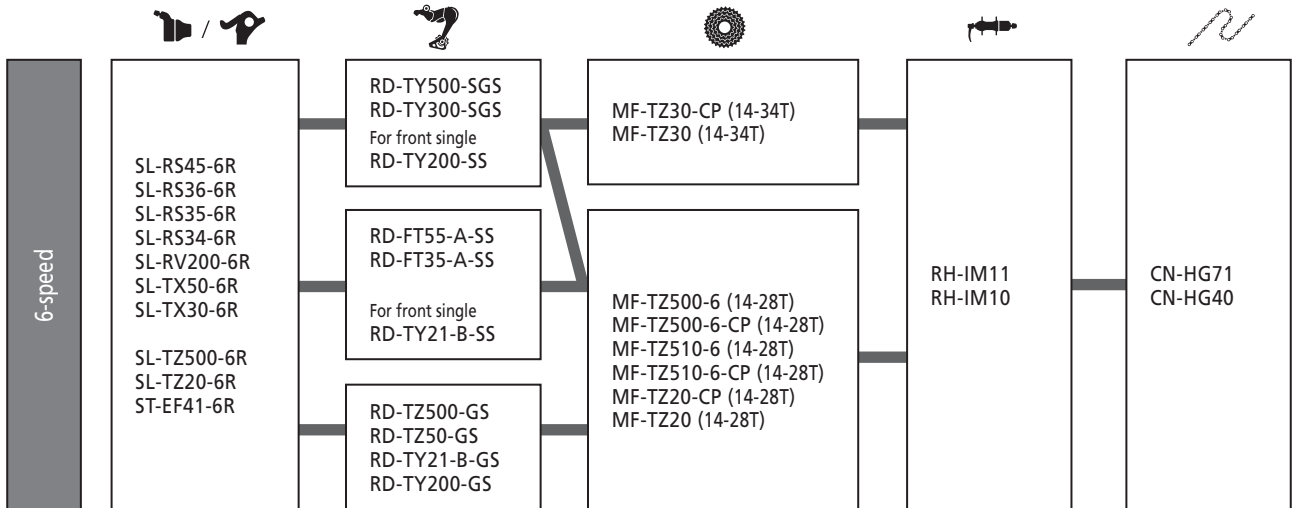
7-speed HG [MTB]

C-439



6-speed HG and 6-speed [MTB]

C-546



Front drivetrain compatibility [MTB]

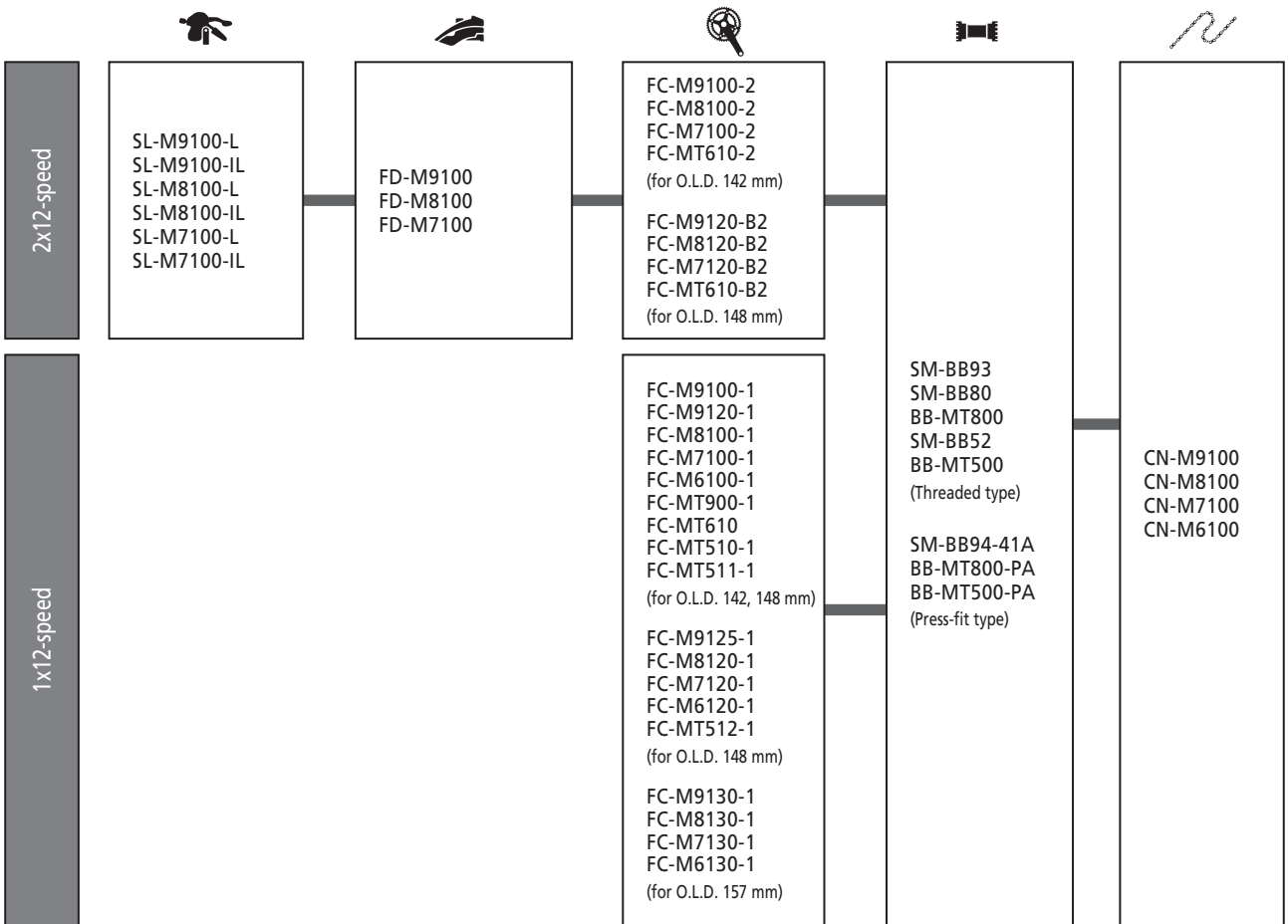
C-440

MTB

12-speed front drivetrain

C-559

ROAD
GRAVEL
URBAN



ELECTRONIC
PRODUCT

REAR

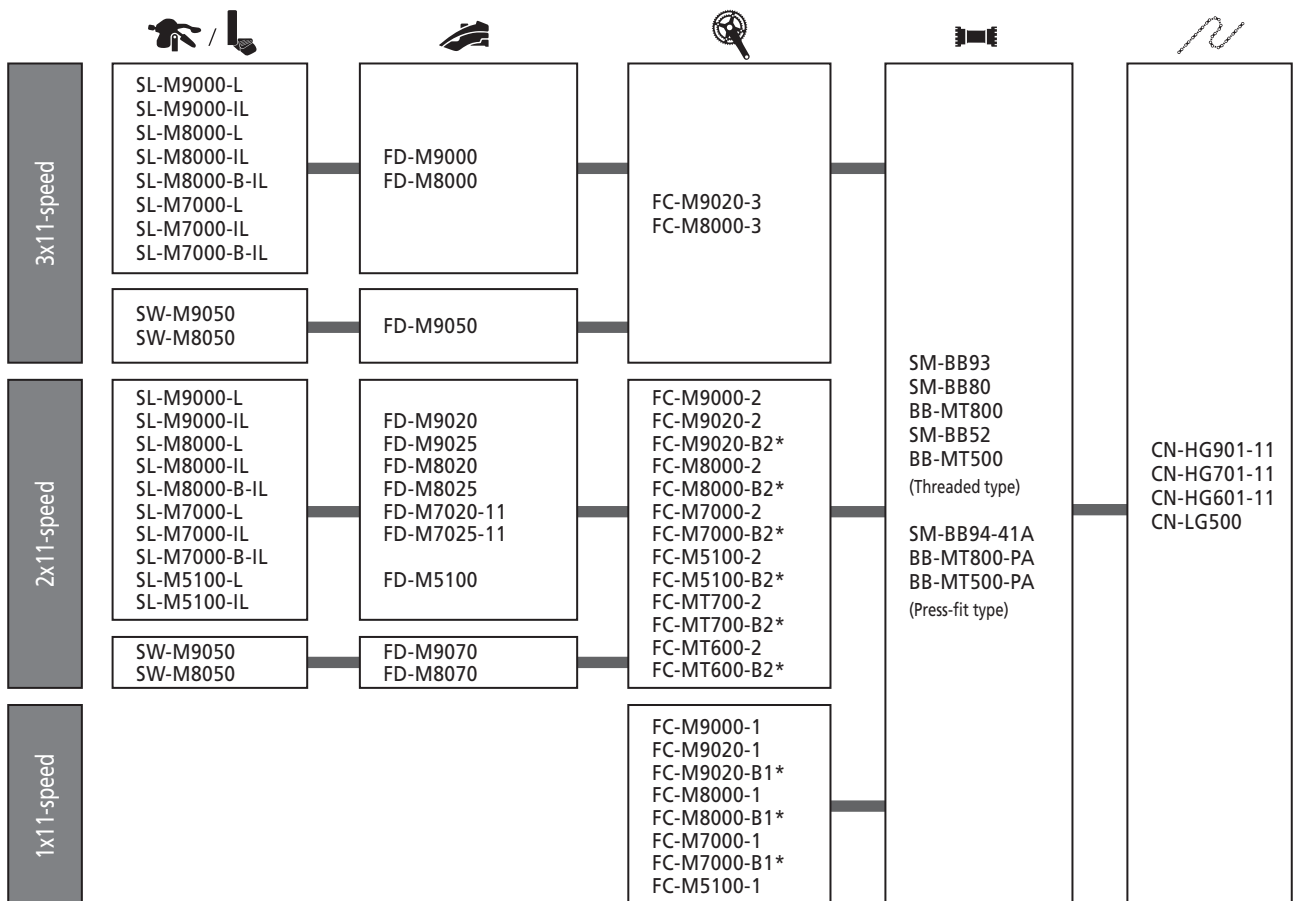
FRONT

BRAKE

Di2

11-speed front drivetrain

C-441



Note:

*Please refer to technical information of crankset dimension which is 3 mm outboard spec. [C-641,C-642]

*It also requires new dimension of frame which cassette position is 3 mm outboard

10-speed front drivetrain [MTB]

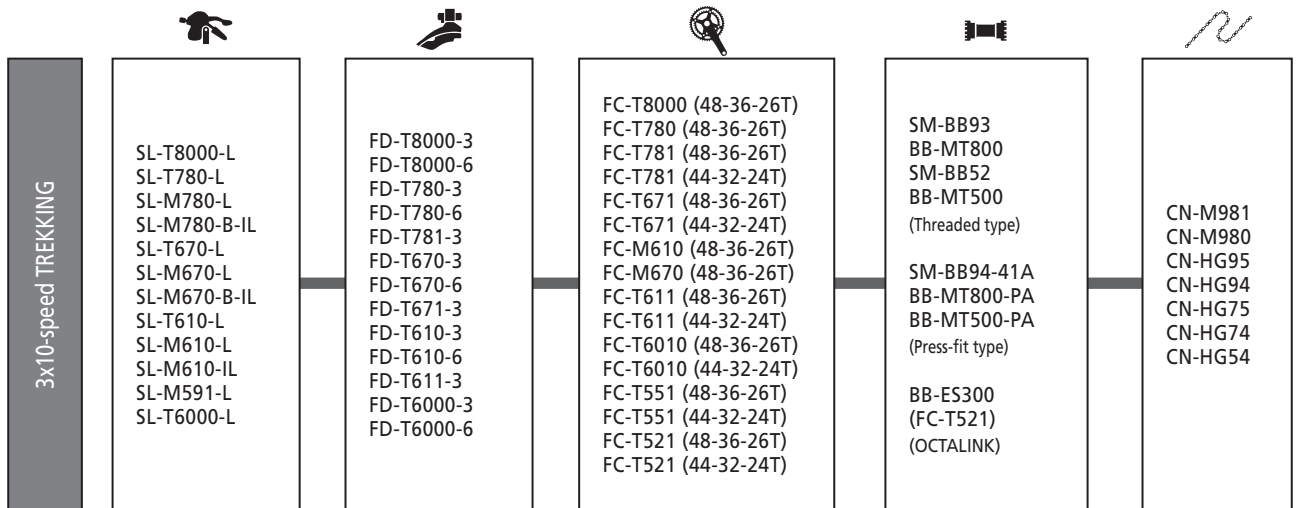
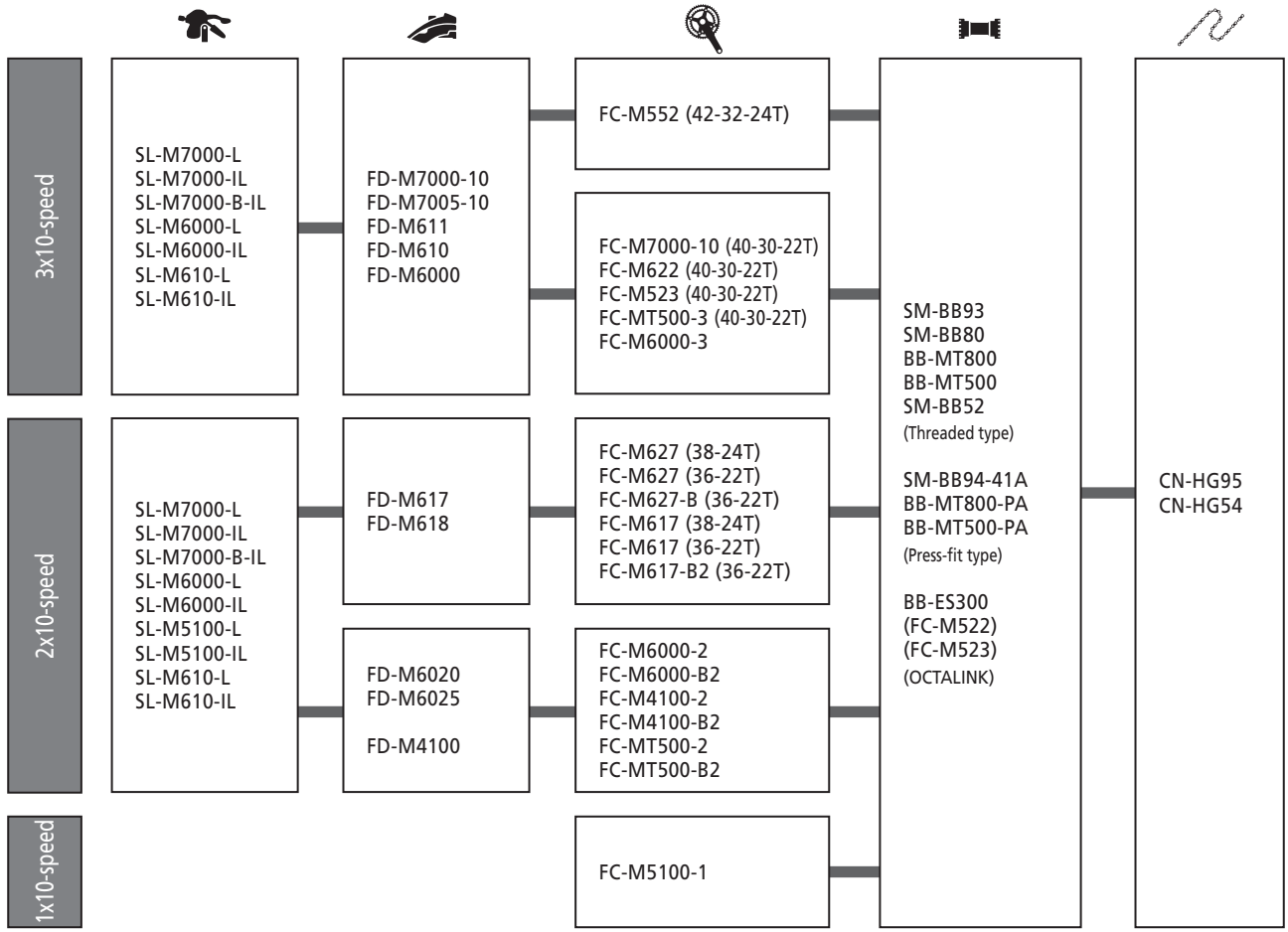
ELECTRONIC
PRODUCT

REAR

FRONT

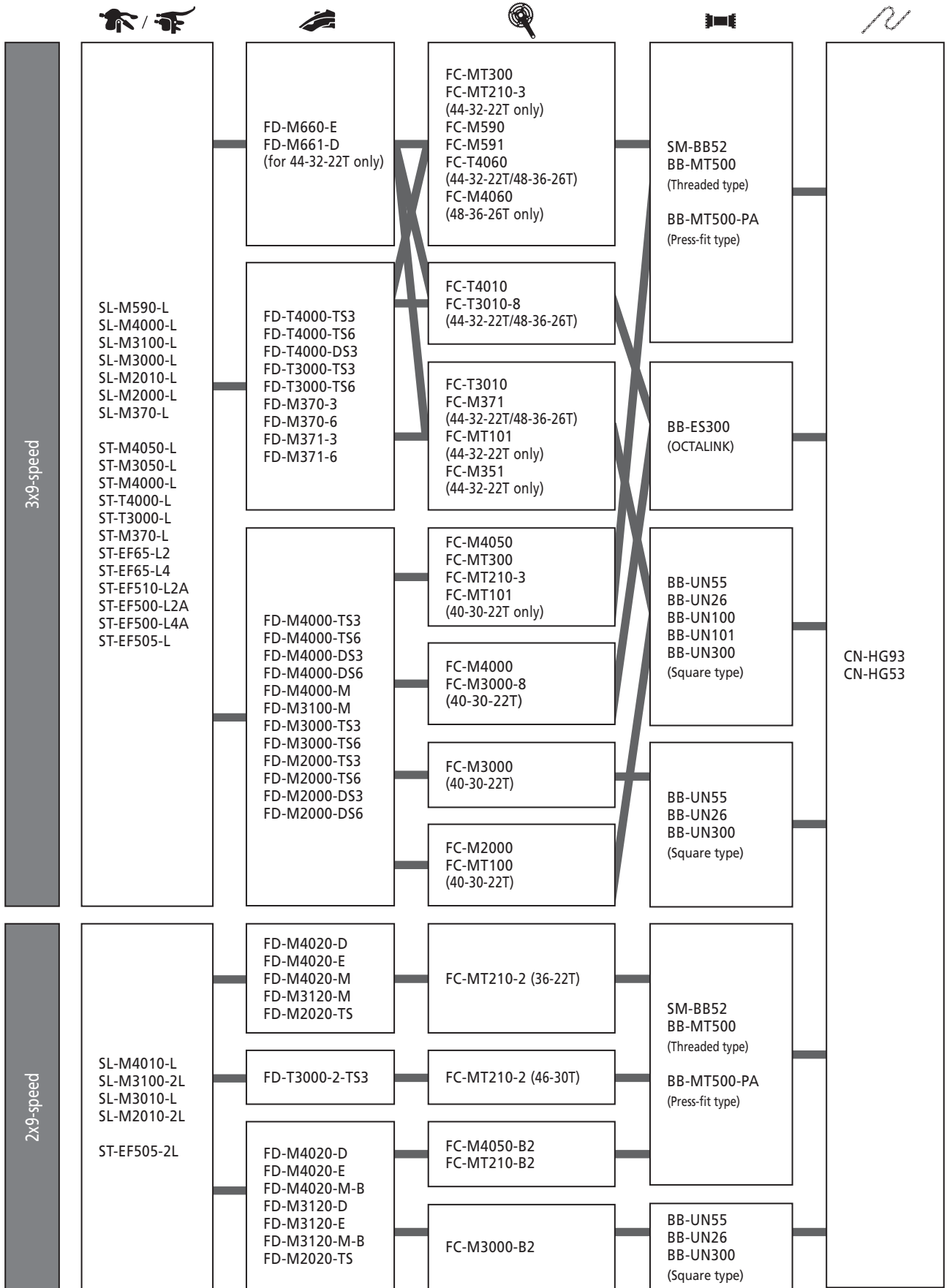
BRAKE

Di2

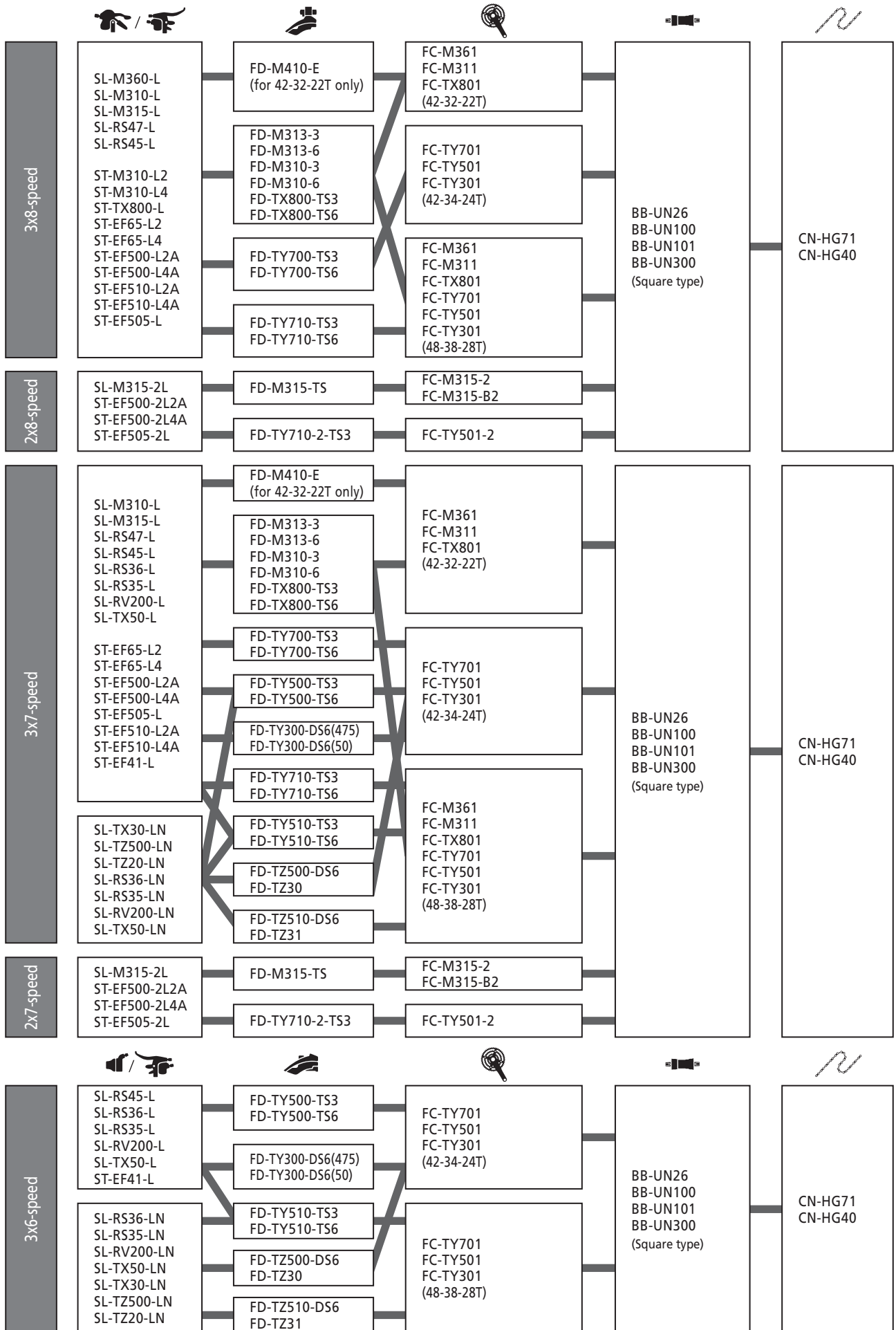


9-speed FC-FD compatibility [MTB]

C-445



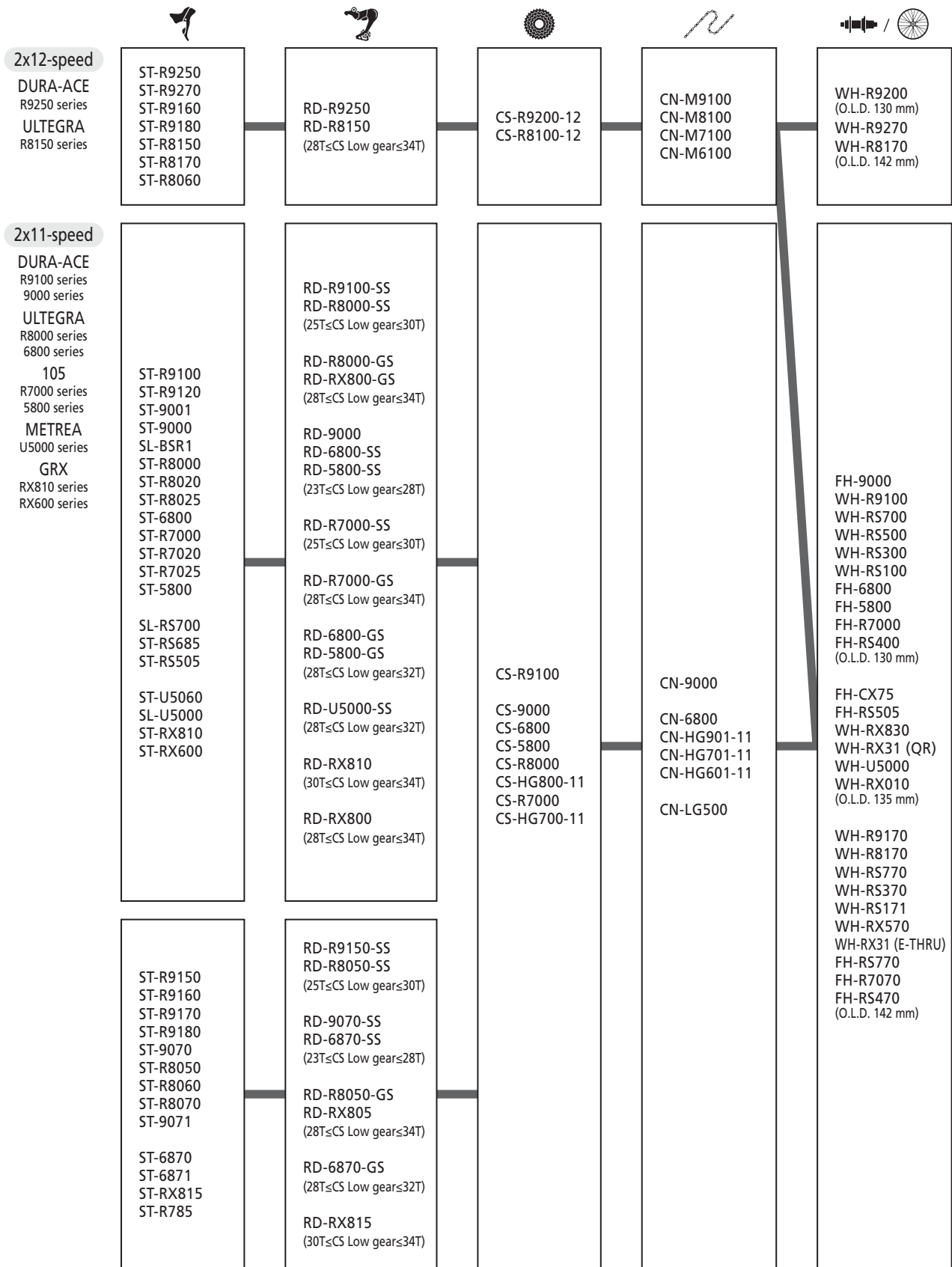
8, 7, 6-speed triple FC-FD compatibility [MTB]



Drivetrain for ROAD, Gravel/Adventure, URBAN components

Rear drivetrain compatibility

C-454

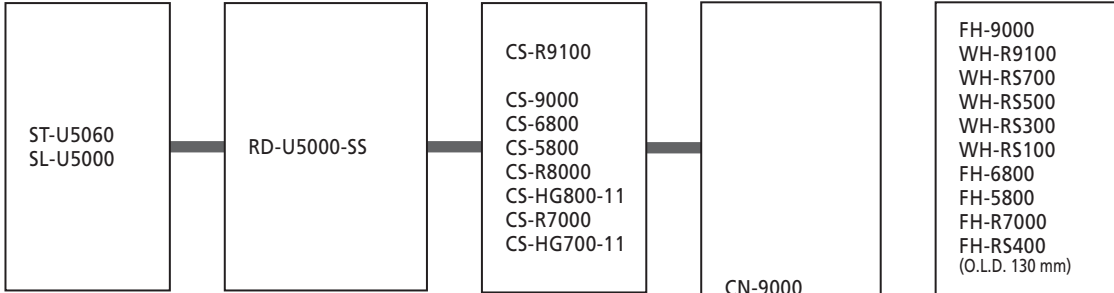


- REAR
- FRONT
- BRAKE
- Di2

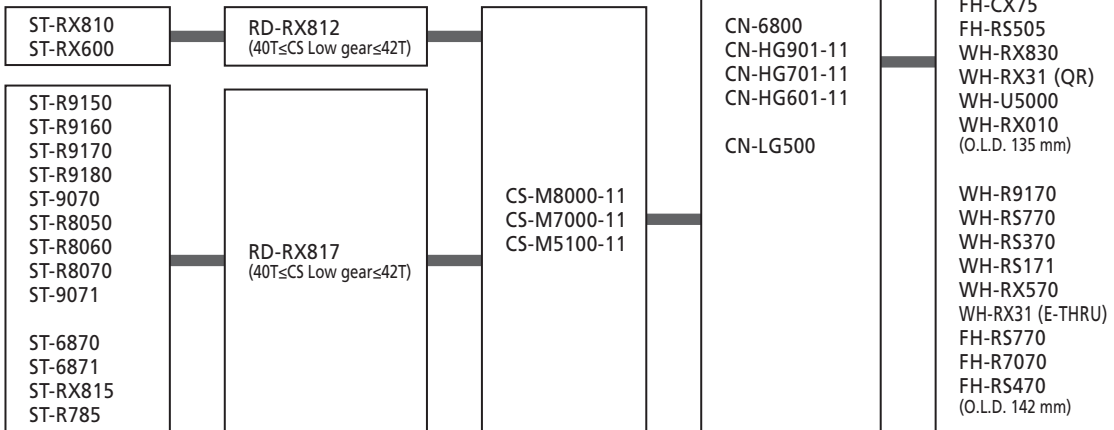


1x11-speed

METREA
U5000 series

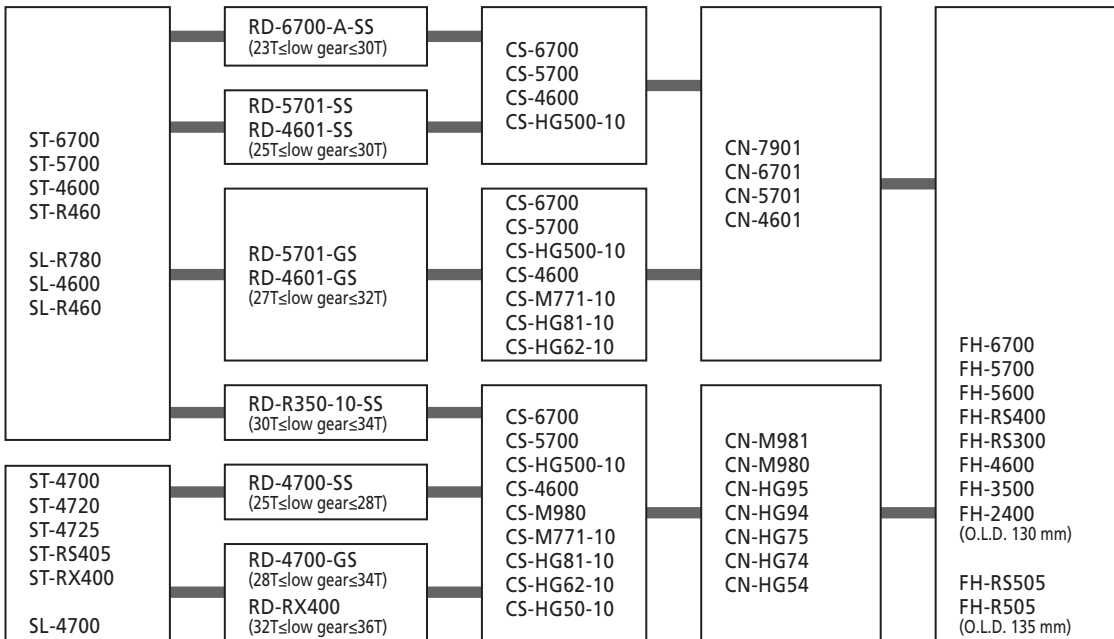


GRX
RX810 series
RX600 series



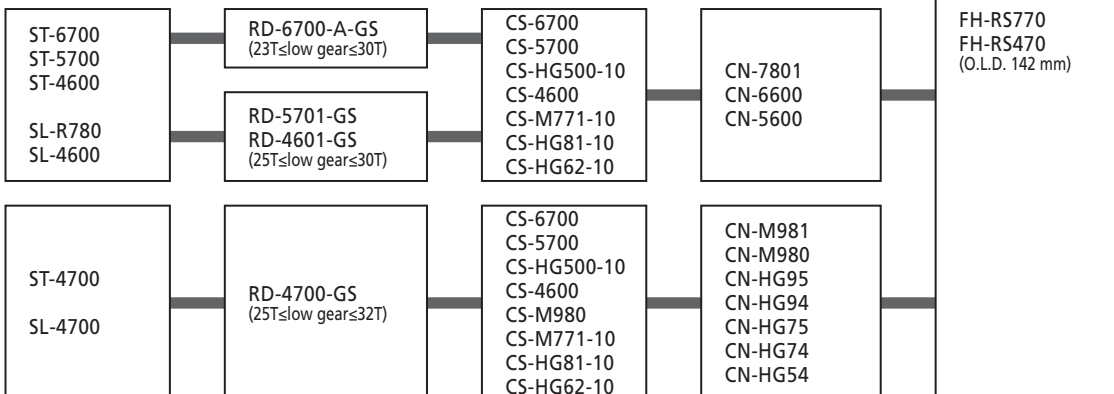
2x10-speed

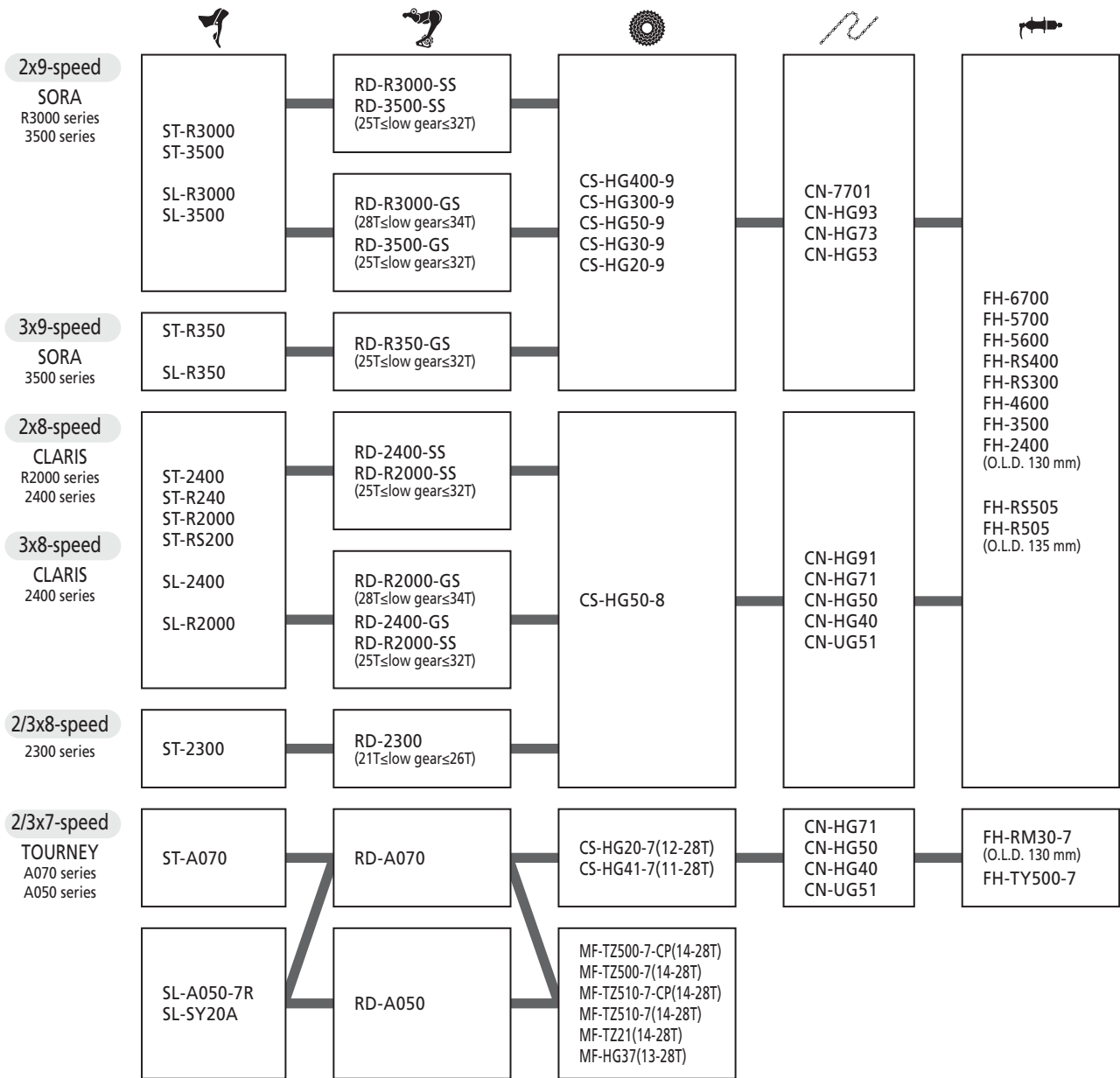
ULTEGRA
6700 series
105
5700 series
TIAGRA
4700 series
4600 series
GRX
RX400 series



3x10-speed

ULTEGRA
6700 series
105
5700 series
TIAGRA
4700 series
4600 series





REAR

FRONT

BRAKE

Di2

ROAD
GRAVEL
URBAN

ELECTRONIC
PRODUCT

REAR

FRONT

BRAKE

Di2



2x12-speed

DURA-ACE
R9250 series
ULTEGRA
R8150 series

ST-R9250
ST-R9270
ST-R9160
ST-R9180
ST-R8150
ST-R8170
ST-R8060

FD-R9250
FD-R8150

FC-R9200
FC-R9200-P
FC-R8100
FC-R8100-P

BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-R5500
SM-BB4600
(Threaded type)

CN-M9100
CN-M8100
CN-M7100
CN-M6100

2x11-speed

DURA-ACE
R9100 series
9000 series
ULTEGRA
R8000 series
6800 series
105
R7000 series
5800 series
METREA
U5000 series
GRX
RX810 series
RX600 series

ST-R9100
ST-R9120
ST-R9160
ST-R9000
SL-BSR 1
ST-R8000
ST-R8020
ST-R8025
ST-6800
ST-5800
ST-R7000
ST-R7020
ST-R7025
ST-RS685
ST-RS505
ST-U5060
SL-RS700
SL-U5000
ST-RX810
ST-RX600

FD-R9100
(not compatible with 46T)
FD-R8000
FD-5801
FD-R7000

FD-9000
(not compatible with 46T)
FD-6800
FD-5800
FD-U5000

FD-RX810

FC-R9100
FC-R9100-P
FC-R8000
FC-R7000
FC-R5510

FC-9000
FC-6800
FC-5800
FC-R5500
FC-U5000-2

FC-RX810-2
FC-RX600-11

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-R5500-PB
(Press-fit type)

CN-9000
CN-6800
CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

ST-R9150
ST-R9160
ST-R9170
ST-R9180
ST-9070
SL-9071
ST-R8050
ST-R8060
ST-R8070
ST-6870
ST-6871
ST-R785
ST-RX815

FD-R9150
(not compatible with 46T)
FD-R8050

FD-9070
FD-6870

FD-RX815

FC-R9100
FC-R9100-P
FC-R8000
FC-R7000
FC-R5510

FC-9000
FC-6800
FC-5800
FC-R5500
FC-U5000-2

FC-RX810-2
FC-RX600-11

FC-RX810-1
FC-RX600-1

FC-U5000-1

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-R5500-PB
(Press-fit type)

1x11-speed

GRX
RX810 series
RX600 series
METREA
U5000 series

ST-R9150
ST-R9160
ST-R9170
ST-R9180
ST-9070
SL-9071
ST-R8050
ST-R8060
ST-R8070
ST-6870
ST-6871
ST-R785
ST-RX815

FD-R9150
(not compatible with 46T)
FD-R8050

FD-9070
FD-6870

FD-RX815

FC-RX810-1
FC-RX600-1

FC-U5000-1

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-R5500-PB
(Press-fit type)

2x10-speed

ULTEGRA
6700 series
105
5700 series
TIAGRA
4700 series
4600 series
GRX
RX400 series

ST-6700
ST-5700
ST-4600
ST-R460

SL-R780
SL-4600
SL-R460

FD-6700
FD-5700

FD-4600
(50T ≤ top gear ≤ 56T)
FD-CX70
(46T ≤ top gear ≤ 52T)

FD-4600
FD-R460
Note:
Recommended chain
stay length:
405 mm or longer
(O.L.D. 130 mm),
430 mm or longer
(O.L.D. 135 mm)
CS angle 63 - 66

FD-4700

FD-RX400

FC-6700
FC-6700G
FC-6750
FC-6750G
FC-5700
FC-5750
FC-4600
FC-4650

FC-R565

FC-4700
FC-R460
FC-R5400

FC-CX70
FC-CX50

FC-RX600-10

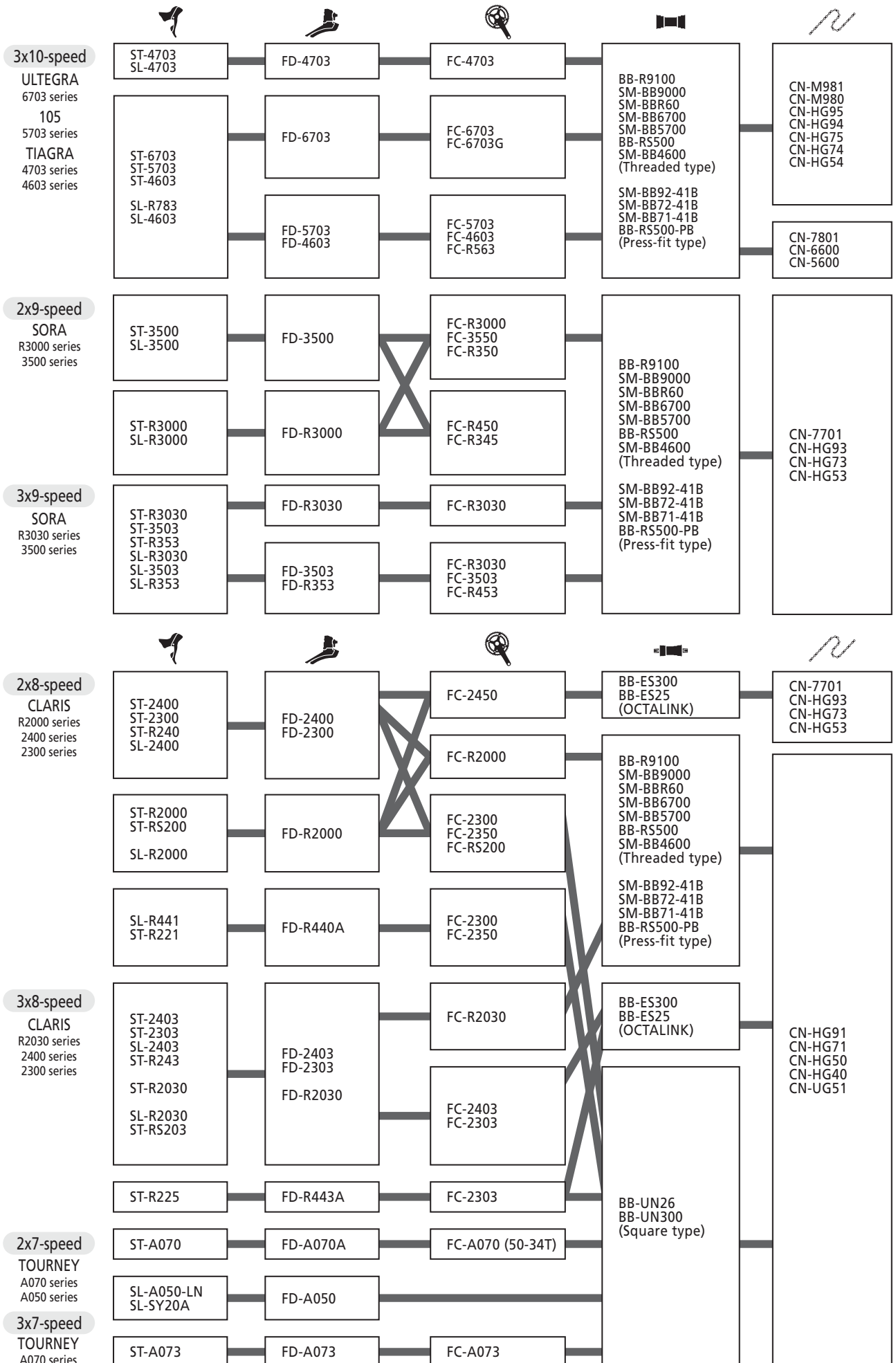
BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-R5500
SM-BB4600
(Threaded type)

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-R5500-PB
(Press-fit type)

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-R5500-PB
(Press-fit type)

CN-7901
CN-6701
CN-5701
CN-4601

CN-M981
CN-M980
CN-HG95
CN-HG94
CN-HG75
CN-HG74
CN-HG54



ROAD
GRAVEL
URBAN

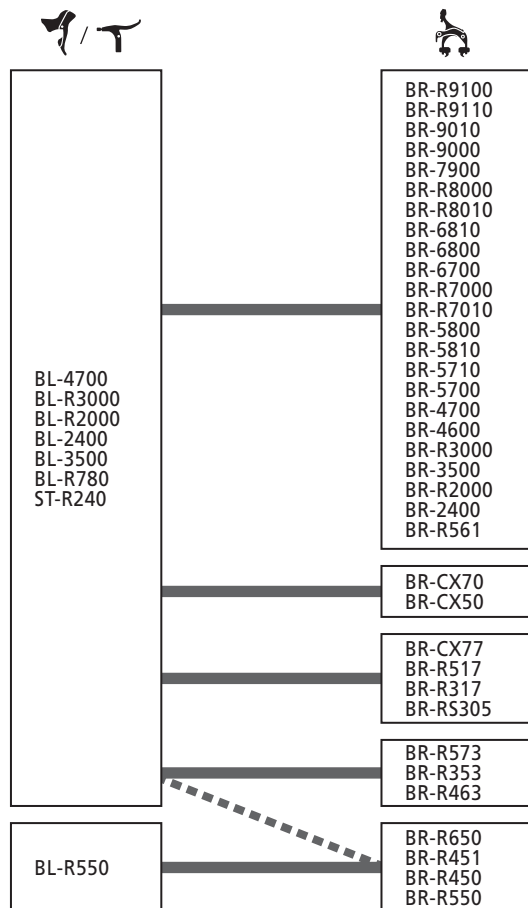
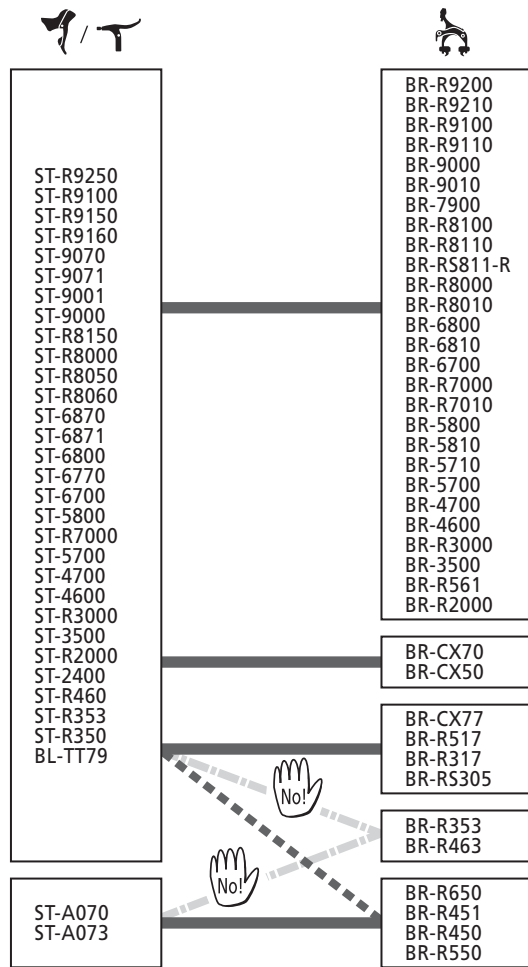
ELECTRONIC
PRODUCT

REAR

FRONT

BRAKE

Di2



■ ■ ■ ■ : Braking power is slightly less than standard combination.
 : The "NO!" symbols indicate combinations that should not be used under any circumstances.

Hydraulic systems compatibility [ROAD, Gravel/Adventure]

C-499

MTB

ROAD
GRAVEL
URBAN

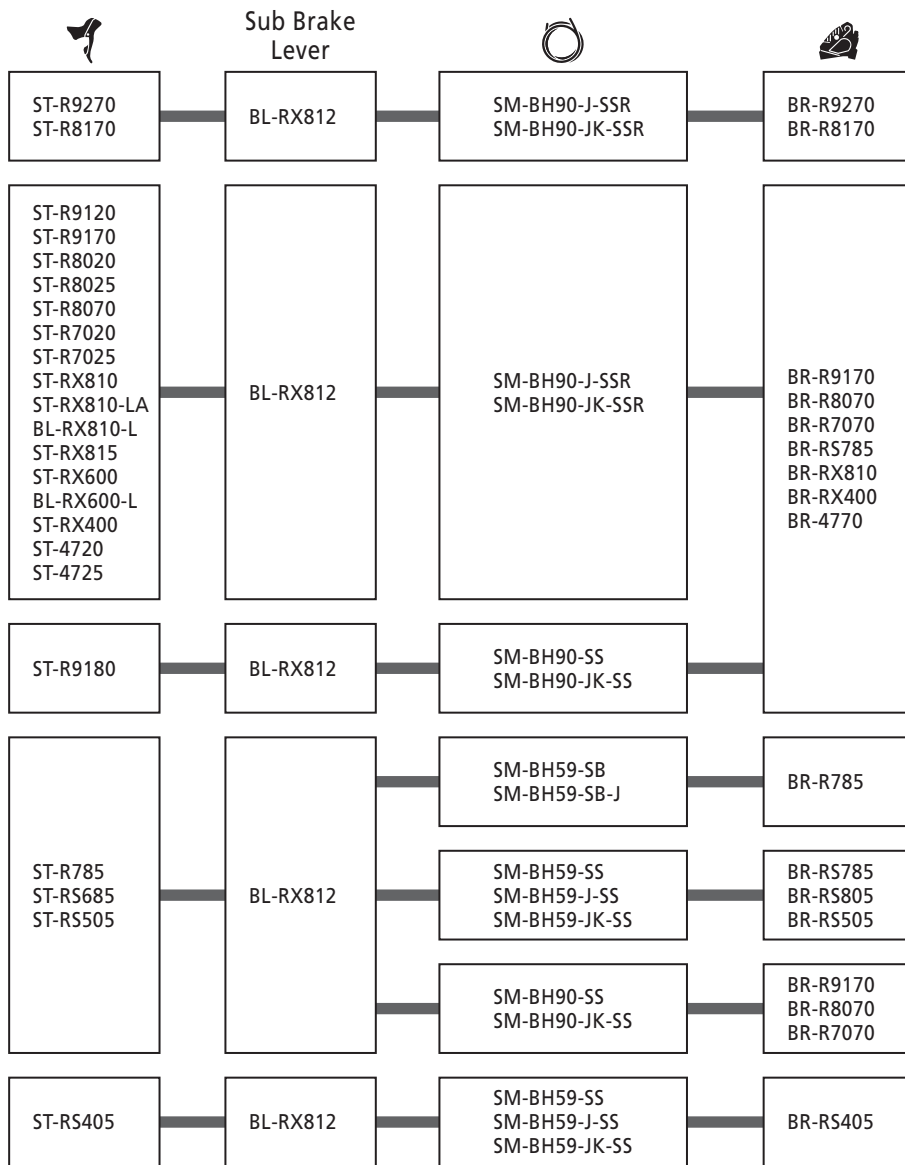
ELECTRONIC
PRODUCT

REAR

FRONT

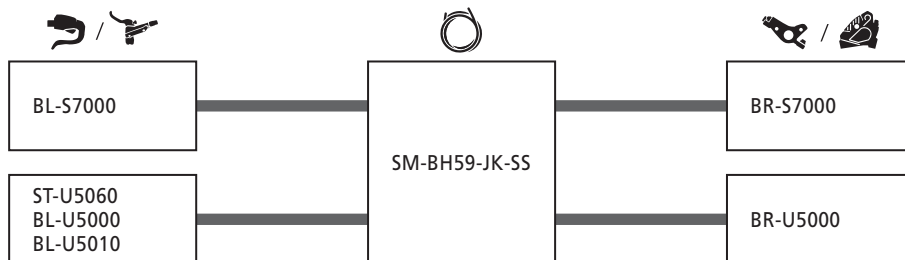
BRAKE

Di2



Hydraulic systems compatibility [URBAN]

C-500



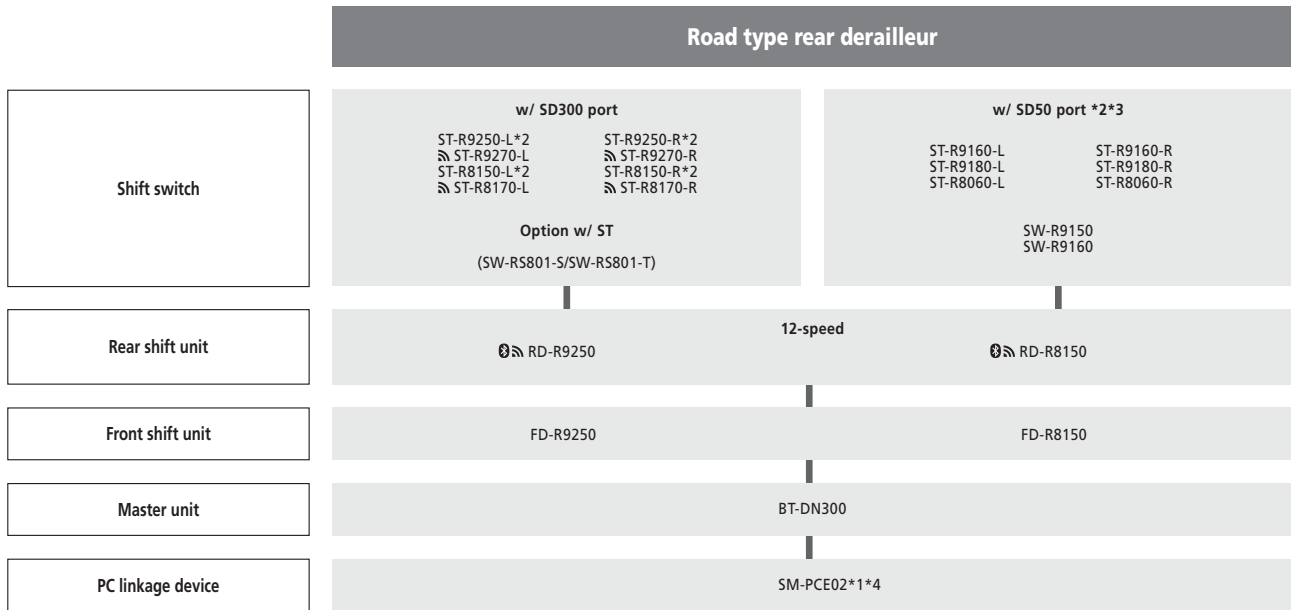
Electronic product information

E-TUBE compatibility chart

C-473

Compatibility chart of E-TUBE PROJECT Cyclist/Professional

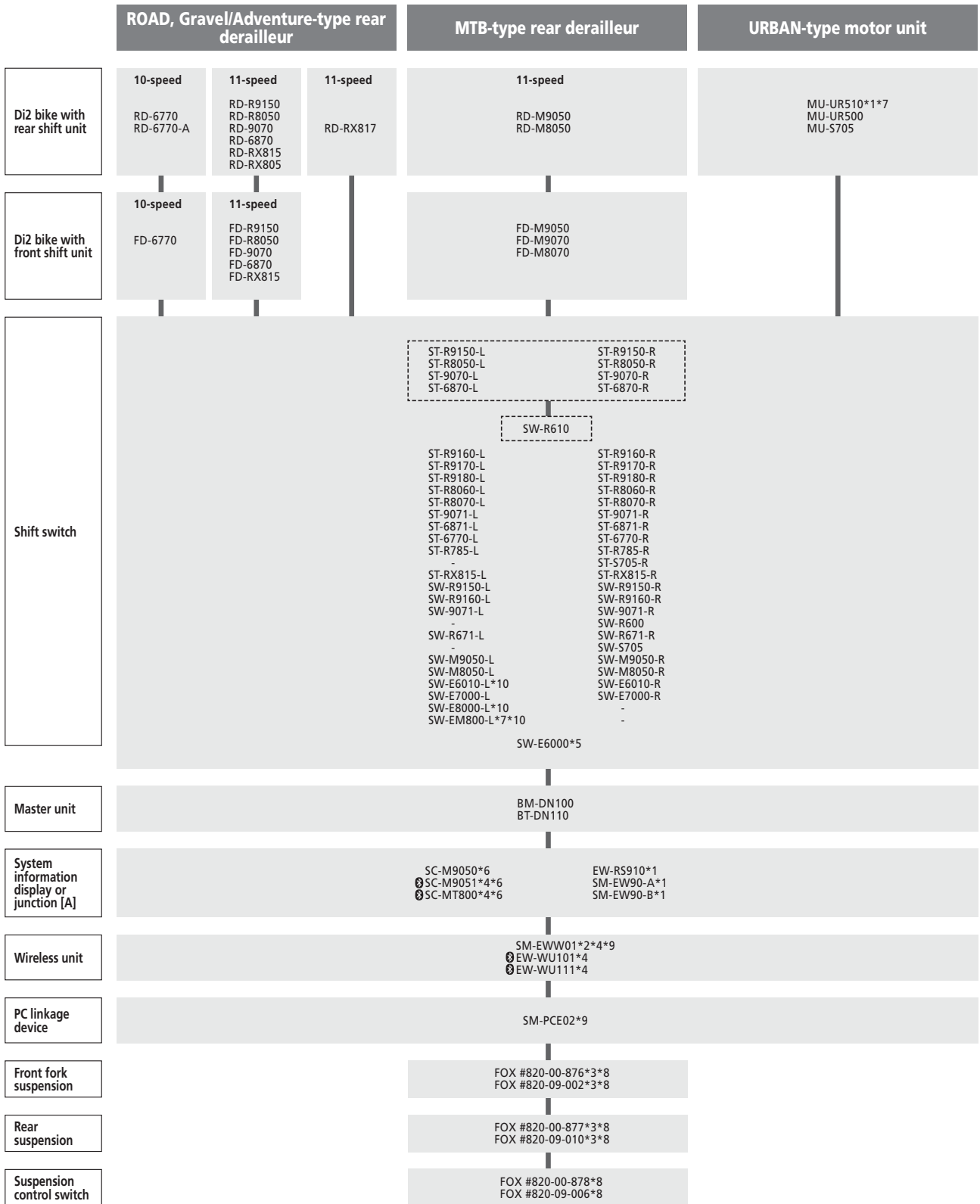
■ Di2 with BT-DN300



Function limitations with BT-DN300

- *1 To connect SM-PCE02, EW-AD305 is required.
- *2 Wired connection only.
- *3 EW-AD305 is required.
- *4 Not supported by E-TUBE PROJECT Cyclist.

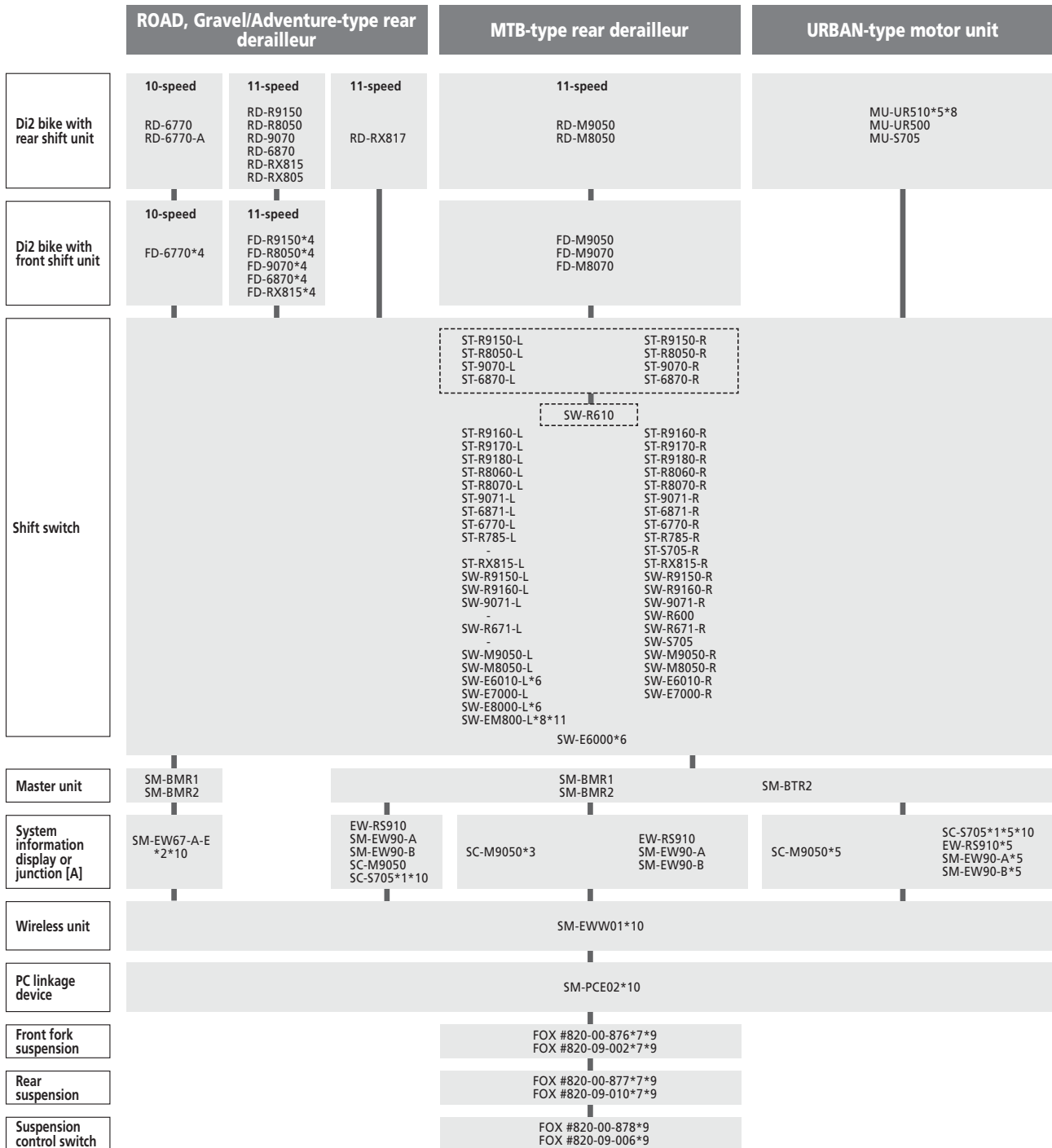
Di2 with BM-DN100/BT-DN110



Limitation of function with BM-DN100/BT-DN110

- *1 Shifting adjustment mode for MU-5705, MU-UR500 and MU-UR510 is not supported. (E-TUBE PROJECT is required for adjustment.)
- *2 Not possible to connect to E-TUBE PROJECT for tablet/smartphone, as no support for Bluetooth®LE.
- *3 A designated control switch and/or the combination SW-M9050/SW-M8050-L with SC-M9050/SC-M9051/SC-MT800 is required to operate.
- *4 The system accepts just 1 unit with wireless chip (doesn't work if plural units with wireless chip are connected).
- *5 Need to change switch setting by E-TUBE PROJECT.
- *6 SC-M9050, SC-M9051 or SC-MT800 is required for SYNCHRONIZED SHIFT in MTB category.
- *7 This unit has SD300 port, and needs EW-AD305 for connection.
- *8 Only supported by E-TUBE PROJECT Cyclist.
- *9 Not supported by E-TUBE PROJECT Cyclist.
- *10 Switch setting must be changed with E-TUBE PROJECT to enable use as shift switch.

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 SD50 port for ST/SW.
- The display of SC-S705 cannot be turned on using the front shift switch.

*2 SM-BMR2 requires a device with a charging port.

SM-EW67-A-E (Junction (A)) is not compatible with SM-BMR2 and SM-BTR2.

*3 SC-M9050 is required for SYNCHRONIZED SHIFT in case with MTB-type rear derailleur.

*4 SYNCHRONIZED SHIFT is not available with Road-type rear derailleur.

*5 Shifting adjustment mode for MU-S705, MU-UR500 and MU-UR510 is not supported. (E-TUBE PROJECT is required for adjustment.)

*6 Need to change switch setting by E-TUBE PROJECT.

*7 A designated control switch is needed to operate the suspension system.

*8 This unit has SD300 port, and needs EW-AD305 for connection.

*9 Only supported by E-TUBE PROJECT Cyclist.

*10 Not supported by E-TUBE PROJECT Cyclist.

*11 Switch setting must be changed with E-TUBE PROJECT to enable use as shift switch.

Visit SHIMANO's website



bike.shimano.com

To build closer relationships between people, nature, and bicycles. We believe in the power of cycling to create a better world as we move forward. We inspire all people to enjoy our products in their everyday lives and where it takes them.



MTB



ROAD



GRAVEL



E-BIKE



e-tube.shimano.com

E-TUBE increases the convenience and fun of Di2 and SHIMANO STEPS electric bicycles. Our free E-TUBE apps open up a smarter world for cyclists. It allows you to get the most out of your riding experience.



<https://bike.shimano.com/shimanoconnect.html>

SHIMANO CONNECT is your gateway to a more inclusive riding experience driven by connectivity. Anyone with a smartphone or computer will be able to access the full suite of Shimano Digital Services to find helpful information and advanced insights. We invite you to use the full power of our integrated platform to make every moment on your saddle more seamless and enjoyable.



si.shimano.com

Visit this site and find out the manuals of SHIMANO products, technical information, safety data sheet of grease and so on. User's manuals are describing safety information and procedures for consumers. Dealer's manuals are describing how to assemble and adjust the product for primarily professional bicycle mechanics.



What makes SHIMANO components and accessories better?



SHIMANO Service in the USA....

Phone: (800) 423-2420 (dealers only)
Consumers Call: (949) 951-5003
7:00a.m. to 5:00p.m. (pst) Mon.-Fri.

24hrs. Small parts, footwear and pedal orders.
Fax: (800) 206-0010

In Canada....

Phone: (800) 361-6215
8:30a.m. to 5:00p.m. (est) Mon.-Fri.
Fax: (800) 619-9067

*DEALERS ONLY: 24hrs. online ordering at connect.SHIMANO.com

SHIMANO components feature cutting edge design, un-paralleled performance, function, strength, durability and weight advantages, but what really sets SHIMANO Components and accessories above the competition is that they are all backed by the service and support of SHIMANO Service!

That's the Dealer support of toll-free technical info, small-part ordering, and fast warranty response. It's the support of "new product" seminars, training and our new 3-2-1 Warranty. It's the support of being able to order, clothing, pedals, shoes and wheels via phone or FAX. It's even the support of races and fun rides, events in your neighborhood that promote cycling and keep it fun for everyone.

That's SHIMANO Service, and supporting you the dealer is what makes SHIMANO the best!

SHIMANO

www.shimano.com

U.S.A.

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LATIN AMERICA

SHIMANO LATIN AMERICA REP. COM. LTDA.

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EUROPE

SHIMANO EUROPE B.V.

High Tech Campus 92, 5656 AG Eindhoven, The Netherlands
Phone: +31-40-261-2222

SHIMANO Bicycle Division Limited 3-2-1 Warranty

SHIMANO warrants to the original retail purchaser that the SHIMANO bicycle division product for which they received this warranty, is free from non-conformities in material and workmanship for a period of two years and their DURA-ACE and/or XTR components, for a period of three years from the date of original retail purchase. SHIMANO shoe products, soft goods, and wheels are warranted for a period of one year.

LIMITS OF THE WARRANTY

SHIMANO's sole obligation under this warranty is to repair or replace the product, at SHIMANO's option.

LIMITATIONS OF IMPLIED WARRANTIES

The duration of any implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise, on this product shall be limited to the duration of the express warranty set forth above. In no event shall SHIMANO be liable for any loss, inconvenience or damage, whether direct, incidental, consequential or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to this product except as set forth herein. Some locations may not allow limitations on how long an implied warranty lasts and some locations may not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

To obtain service under this warranty, you must send your SHIMANO product together with the retail seller's original bill, your charge or credit receipt or other satisfactory proof of the date of purchase of the product to SHIMANO NORTH AMERICA BICYCLE, INC., Attn: Bicycle Warranty Dept., One Holland, Irvine, CA 92618. Any postage, insurance or shipping costs incurred in sending your SHIMANO product for service are your responsibility. This warranty gives you specific legal rights, and you may also have other rights which may vary from location to location.

WARRANTY EXPLANATION

This warranty in no way replaces or is an extension of a complete bicycle manufacturer's warranty. Retailers and wholesale outlets for SHIMANO products are not authorized to modify this warranty in any way.

It is the consumer's responsibility to regularly examine the product to determine the need for normal service or replacement. This warranty does not cover the following:

1. SHIMANO products that have been modified, neglected or poorly maintained, used in competition or for commercial purposes, misused or abused or involved in accidents.
2. Damage occurring during shipment of the products (such claims must be presented directly to the carrier).
3. Damage to products resulting from improper assembly or repair.
4. Damage resulting from causes other than non-conformities in materials and workmanship, including but not limited to lack of technical skill, competence, or experience of the user.
5. Damage or deterioration to the surface finish, aesthetics or appearance of the product.
6. The labor required to remove and/or re-fit and re-adjust the product within the bicycle assembly.
7. Normal wear to the product.

SHIMANO NORTH AMERICA BICYCLE, INC.: ONE HOLLAND • IRVINE, CA 92618

THIS WARRANTY APPLIES SPECIFICALLY TO THE UNITED STATES AND CANADA. FOR COUNTRIES OTHER THAN THE UNITED STATES OR CANADA, PLEASE CONTACT YOUR DISTRIBUTOR OR AGENT, OR SHIMANO NORTH AMERICA BICYCLE, INC. FOR FURTHER INFORMATION.

SHIMANO NORTH AMERICA BICYCLE, INC.

Environmental Policy

At SHIMANO NORTH AMERICA BICYCLE, INC., we are dedicated to creating recreational products that not only put us in touch with our natural environment, but also create a more natural and responsive interface between the environment and ourselves.

The people who are SHIMANO NORTH AMERICA BICYCLE, INC. believe that the integration of environmental issues into our business culture will yield superior products. We will strive to lead by example and are committed to:

- Compliance with applicable environmental regulations, codes and standards.
- Prevention of pollution; and
- Continual improvement in our environmental performance

It is our intent to be recognized by our customer, employees and community as a responsible business committed to environmental protection and preservation.

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.

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NEW ZEALAND

SHIMANO NEW ZEALAND LTD.

79 Apollo Drive, Albany, North Shore City 0632 Auckland, New Zealand
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SHIMANO (SHANGHAI) SALES CORPORATION

Room 1701---1705 Sheng Gao International Tower, No. 137 Xian Xia Road, Shanghai 200051, China
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TAIWAN

SHIMANO (TAIWAN) CO., LTD.

4F-3, Grand Asia Plaza, 138 Zhongming S.Road, Taichung, 40361 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

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.

