

SHIMANO



2026 **BICYCLE COMPONENTS** TRADE SALES & SUPPORT MANUAL

English (GB)

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, MTB World Series, Gravel 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>

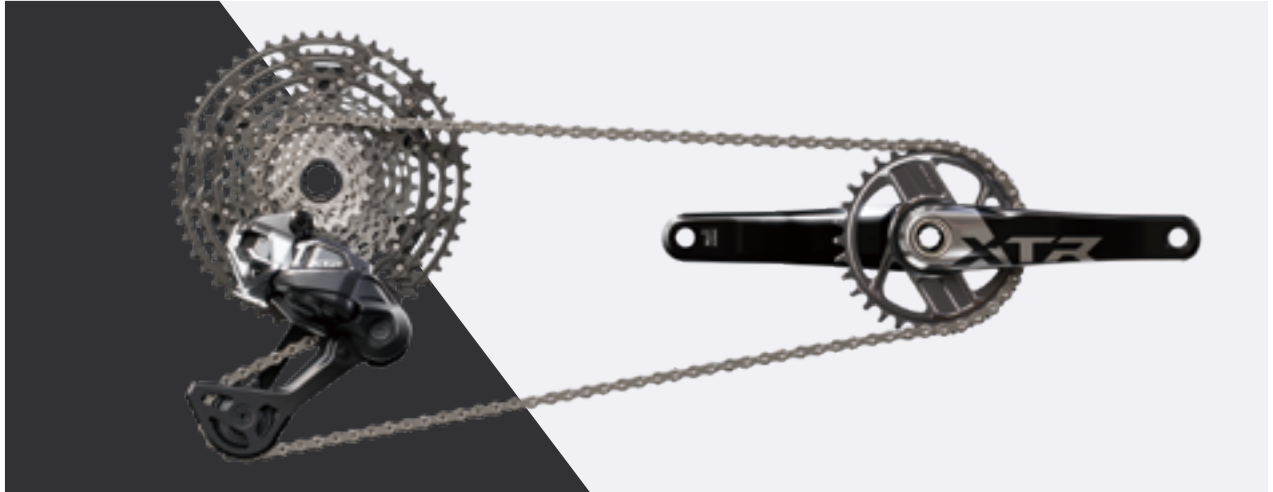


2026 NEW PRODUCTS

SHIMANO's new products for 2026 are XTR M9200 series, DEORE XT M8200 series and DEORE M6200 series. The latest technology of SHIMANO is equipped with the all new products.

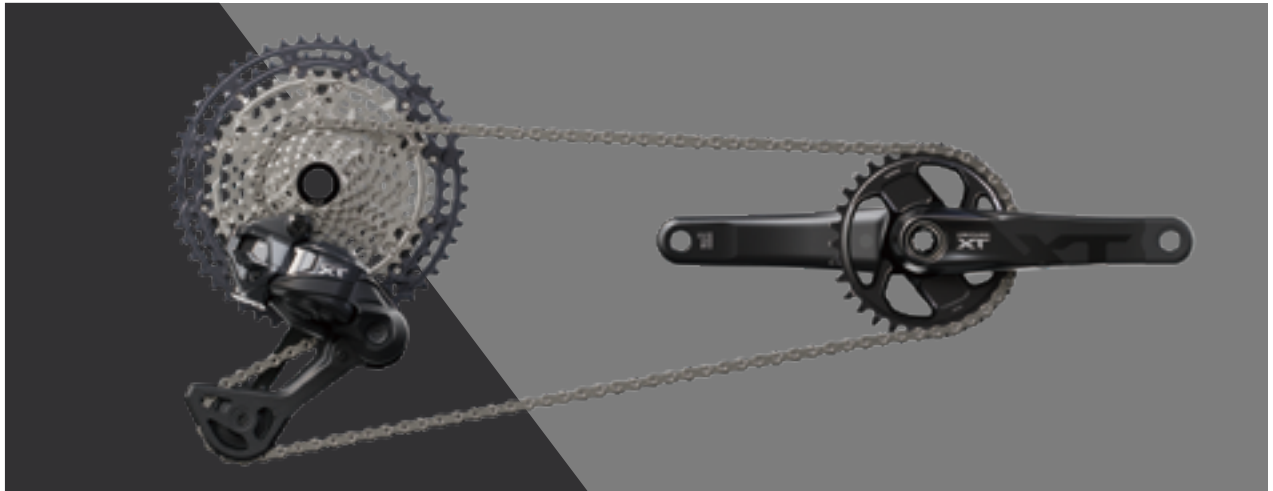
XTR Di2 ▶ 54

XTR M9200 Series



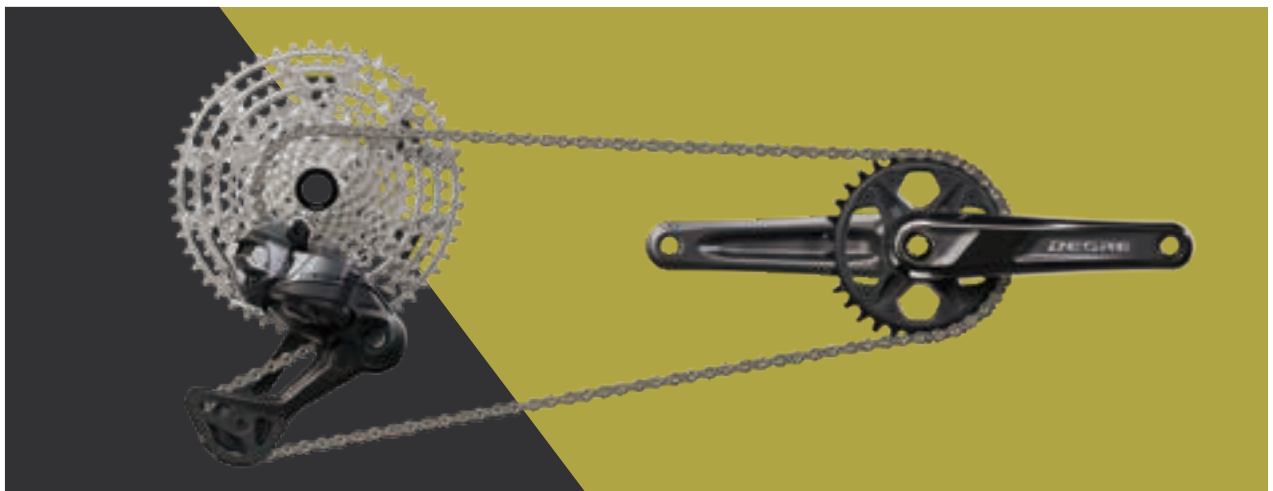
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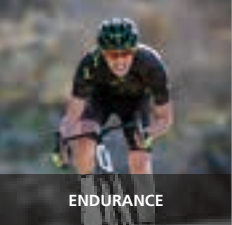
DEORE M6200 Series



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				
	SHIMANO ULTEGRA R8100				
	SHIMANO 105 R7100				
ENTRY-LEVEL	SHIMANO Tiagra 4700				
	SHIMANO SORA R3000				
	SHIMANO Claris R2000				
	SHIMANO Tourney A070 A070				



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

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)**



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

SW-RS801-T

Satellite Shifter Tops

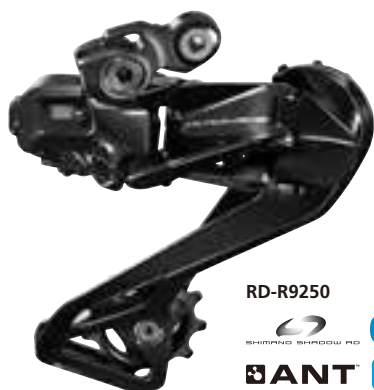
- **Compact satellite shifter creates multiple, custom shift points on the handlebar**
 - » Attaches to handlebar via zip tie
 - » 260 mm cable length



FD-R9250

Front Derailleur

- **Our fastest ever front shifting, 45% faster than FD-R9150**
- **Smaller, sleeker, lighter**
 - » Frontal area reduced by 33%
 - » Weight cut to 96 g
- **Top gear teeth capacity: 46-54T**
- **Total capacity: 16T**



RD-R9250



RD-R9250

SHIMANO SHADOW RD

- Our fastest ever rear shifting, 58% faster than RD-R9150
- 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

EW-EC300

Charging Connector

- Charging connector for RD-R9250 and FC-R9200-P
- Compatible with charging FC-R9200-P
- 1.5 m cable length



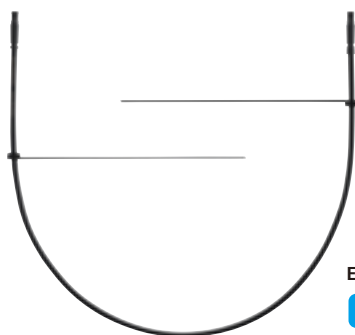
BT-DN300



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
- Weight: 52 g



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



FC-R9200-P



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: 46-36T, 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
- Weight: 685 g (50-34T), 692 g (52-36T), 714 g (54-40T)

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
- Weight: 745 g (50-34T), 752 g (52-36T), 774 g (54-40T)



BB-R9100



SM-BB92-41B

BB-R9100

Bottom Bracket

SM-BB92-41B

Press-Fit Type Bottom Bracket

- Bottom bracket with small ball bearings for lightweight
- Advanced seal construction for smoother rotation
- Weight: 65 g (BB-R9100), 54 g (SM-BB92-41B)



CS-R9200-12
HYPERGLIDE+

CS-R9200-12

HYPERGLIDE+ Cassette (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)
- Weight: 223 g (11-30T), 253 g (11-34T)



CN-M9100
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
 - » Enhancements to shifting performance
- Compatible with new generation of drivetrain
- Weight: 242 g



SM-CN910-12
HG SIL-TEC

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



BR-R9270
MONO-BODY



ONE WAY BLEEDING

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: 120 g (Front), 110 g (Rear)



RT-CL900



RT-CL900

SHIMANO CENTER LOCK Disc Brake Rotor
203/180/160/140 mm

- Quieter than ever, but with superb, consistent braking performance on any long, steep descents thanks to excellent heat dissipation
- The new arm shape is more robust, leading to quieter operation
- Heat dissipation paint boosts performance
- Disc brake rotor size: 140 mm, 160 mm, 180 mm, 203 mm



ST-R9250
SLR-EV
e tube

ST-R9250

Rim Brake DUAL CONTROL LEVER (2x12-speed)

- **Quick and intuitive shifting**
 - » Clearly defined click feeling with ergonomic shifter
- **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 reinforced plastics
- **Weight: 230 g (pair)**



BR-R9200
SLR-EV

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)**



BR-R9210-F
SLR-EV

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: 156 g (pc)**



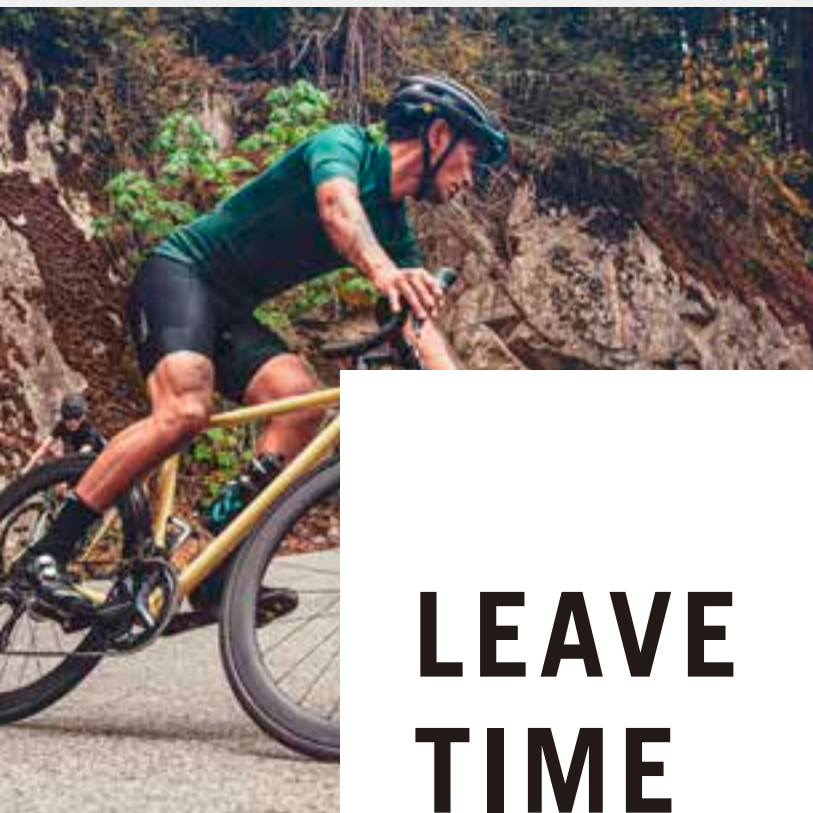
BR-R9210-RS
SLR-EV

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: 154 g (pc)**

SHIMANO
ULTEGRA



LEAVE TIME BEHIND

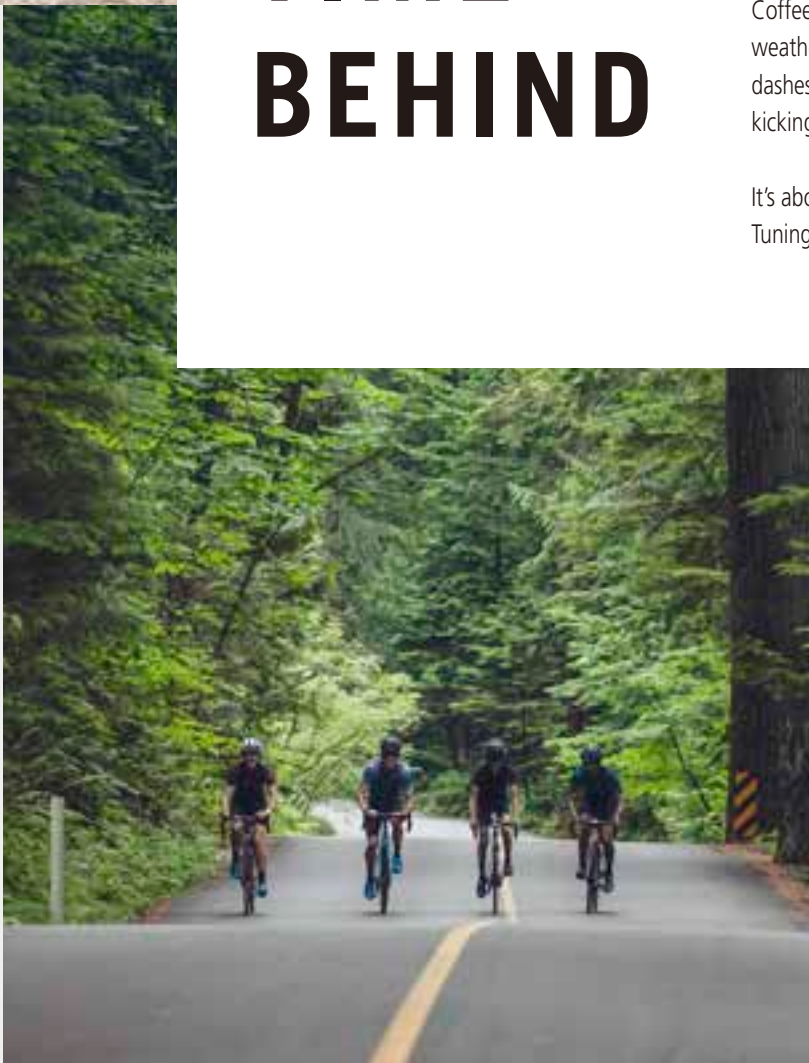
It's time — to find out what really matters.

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 tranquillity. And shifting into oneness.



<https://productinfo.shimano.com>



ST-R8170

SERVO WAVE ACTION Free Stroke



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)



SW-RS801-T

SW-RS801-S

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

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



FD-R8150

Front Derailleur

- Our 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: 46-52T
- Total capacity: 16T
- Weight: 110 g



SM-AD91

SM-AD91-L/MS

Band Adapter

- Clamp band diameter
 - » SM-AD91-L: 34.9mm
 - » SM-AD91-MS: 31.8/28.6* mm
 - * with multi clamp band



RD-R8150



RD-R8150

SHIMANO SHADOW RD

- Our fastest ever rear shifting, 58% faster than RD-R9150
- LED status indicator
 - » Battery indicator
 - » Pairing
 - » Adjust mode, etc.
- Wider range capacity
 - » Max. low sprocket: 34T
- Total capacity: 39T



EW-EC300



BT-DN300



EW-EC300

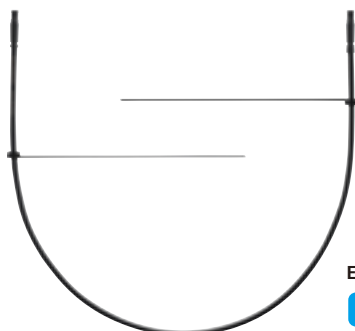
Charging Connector

- Charging connector for RD-R9250 and FC-R9200-P
- Compatible with charging FC-R9200-P
- 1.5 m cable length

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
- Weight: 52 g



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-R8100



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, 50-34, and 46-36 chainring options. 160, 165, 170, 172.5, and 175 mm crank arm lengths.
- Gear combination: 46-36T, 50-34T, 52-36T
- Crank arm length: 160 mm, 165 mm, 170 mm, 172.5 mm, 175 mm



FC-R8100-P



FC-R8100-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
 - » ±2.0% strain gage accuracy throughout the entire calibration range
 - » 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
- Gear combination: 50-34T, 52-36T
- Crank arm length: 160 mm, 165 mm, 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-R8101-12
HYPERGLIDE+

CS-R8101-12

HYPERGLIDE+ Cassette (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



CN-M8100
HG

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
- Weight: 252 g



SM-CN910-12
HG SIL-TEC

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

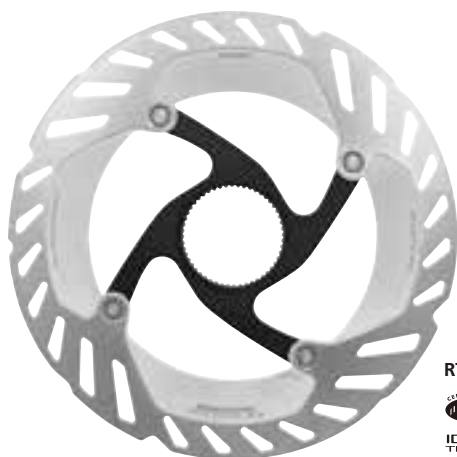


BR-R8170
ONE WAY BLEEDING

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-CL800
CENTER LOCK
ICE TECHNOLOGIES
FREEZE

RT-CL800

SHIMANO CENTER LOCK Disc Brake Rotor
203/180/160/140 mm

- Quieter than ever, but with superb, consistent braking performance on any long, steep descents thanks to excellent heat dissipation
- The new arm shape is more robust, leading to quieter operation
- Disc brake rotor size: 140 mm, 160 mm, 180 mm, 203 mm



ST-R8150
SLR-EV
E

ST-R8150

Rim Brake DUAL CONTROL LEVER (2x12-speed)

- Quick and intuitive shifting
 - » Clearly defined click feeling with ergonomic shifter
- Better bike control and confidence in race conditions
 - » Hood shape and texture optimize grip and brake power transmission
- Weight: 295 g (pair)



BR-R8100
SLR-EV

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)

BR-R8110-F
SLR-EV



BR-R8110-RS
SLR-EV

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)

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)



BR-RS811-R
SLR-EV

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 **105**

ELEVATE YOUR RIDE WITH SHIMANO 105

SHIMANO 105 is a mid-range road component groupset that inherits competition-grade technologies and designs to offer a truly unique balance of impressive performance, reliability, and affordability.



<https://productinfo.shimano.com>

**IT'S
A NEW
DAY**



**PREMIUM
MECHANICAL
SHIFTING**

ST-R7170-R**DCL**
Dual Control
Lever**Reach
Adjust****ST-R7170-L****DCL**
Dual Control
Lever**Reach
Adjust****FD-R7150****RD-R7150**Direct Mount
Rear Derailleur

Bluetooth

ANT

**EW-EC300****ST-R7170-R**SHIMANO 105 Di2 Hydraulic Disc Brake DUAL
CONTROL LEVER (2x12-speed)

- **Clean cockpit:** Wireless connection enhances the aesthetic of your bike while keeping shifting lightning fast
 - » Longer lasting. Uses two CR1632 batteries (battery life: 3.5 to 4 years)
- **Compact, ergonomic performance cascaded from DURA-ACE**
 - » Raised hood peak improves ergonomics, while a longer hood body increases hand support
- **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

ST-R7170-LSHIMANO 105 Di2 Hydraulic Disc Brake DUAL
CONTROL LEVER (2x12-speed)

- **Clean cockpit:** Wireless connection enhances the aesthetic of your bike while keeping shifting lightning fast
 - » Longer lasting. Uses two CR1632 batteries (battery life: 3.5 to 4 years)
- **Compact, ergonomic performance cascaded from DURA-ACE**
 - » Raised hood peak improves ergonomics, while a longer hood body increases hand support
- **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

FD-R7150

SHIMANO 105 Di2 Front Derailleur 2x12-speed

- **Powerful, accurate, smooth front shifting**
 - » Programmed chain guide control by automatic trim
 - » SHIMANO SYNCHRONIZED SHIFT
 - » Manual, full- and semi-synchronized shifting program
- **Top gear teeth capacity: 50-52T**

RD-R7150SHIMANO 105 Di2 Rear Derailleur SHIMANO
SHADOW RD 2x12-speed

- **LED status indicator**
 - » Battery indicator
 - » Pairing
 - » Adjust mode, etc.
- **Wider range capacity**
 - » Max. low sprocket: 36T

EW-EC300

Charging Connector

- Charging connector for RD-R9250 and FC-R9200-P
- Compatible with charging FC-R9200-P
- 1.5 m cable length

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



BT-DN300



EW-SD300



FC-R7100



SM-BBR60

SM-BB72-41



CS-R7100-12



CS-HG710-12



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
- Weight: 52 g

EW-SD300

Electric Wire SD300 for External Routing

- More compact design makes new electric components smaller and lighter
- Will potentially expand the future capabilities of Di2 systems

FC-R7100

SHIMANO 105 HOLLOWTECH II Crankset 2x12-speed

- Optimal balance of stiffness, strength, weight and rotational performance
- HOLLOWTECH II structure cuts weight yet maintains strength for better power transfer
- Crank arm length: 160, 165, 170, 172.5, 175 mm
- Gear combination: 50-34T, 52-36T
- Q-factor: 148 mm

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)

CS-R7100-12

SHIMANO 105 12-speed Road Cassette

- Refined 12-step gear combination provides peak efficiency and accelerating performance for every situation
- Compatible with new 12-speed and road 11-speed FREEHUB body
- Gear combination: 11-34T

CS-HG710-12

SHIMANO 12-speed Road Cassette

- Refined 12-step gear combination provides peak efficiency and accelerating performance for every situation
- Compatible with new 12-speed and road 11-speed FREEHUB body
- Gear combination: 11-36T



CN-M7100

HG SIL-TEC

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
- Weight: 252 g



BR-R7170-R

ICE TECHNOLOGIES



ONE WAY BLEEDING

BR-R7170-R

SHIMANO 105 Hydraulic Disc Brake Caliper

- 10% wider pad clearance decreases the chance of disc brake rotor rub
- Maintenance-friendly bleeding process



BR-R7170-F

ICE TECHNOLOGIES



ONE WAY BLEEDING

BR-R7170-F

SHIMANO 105 Hydraulic Disc Brake Caliper

- 10% wider pad clearance decreases the chance of disc brake rotor rub
- Maintenance-friendly bleeding process



RT-CL700

ICE TECHNOLOGIES



NEW

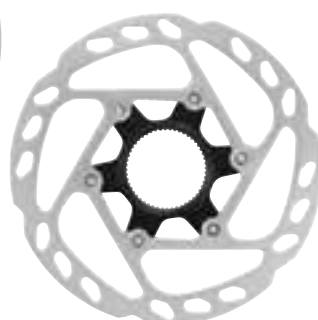
RT-CL700

DISC BRAKE ROTOR ICE TECHNOLOGIES

- » Updated ICE TECHNOLOGY rotor: Enhanced with a new 3D aluminum carrier.
- » Quiet: Optimized 3D-shaped alloy carrier reduces rotor noise.
- » Cool: Proven ICE TECHNOLOGY ensures superior heat dissipation and consistent braking.
- » CENTER LOCK: Available with both internal and external lock ring options.
- » Size: 140 mm, 160 mm, 180 mm, 203 mm



SM-RT64

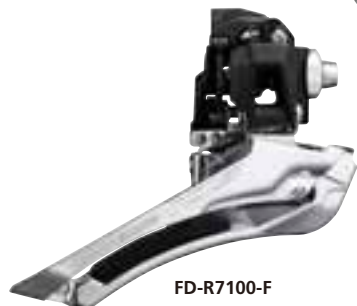
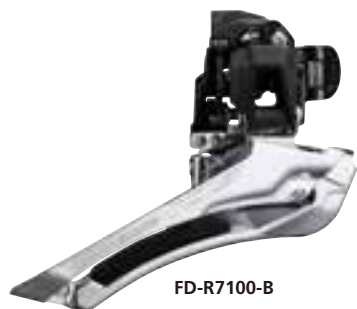


SM-RT64

CENTER LOCK Disc Brake Rotor

- Larger disc brake rotor option provides consistent brake performance with more power
- Resin/Metal pad compatible
- CENTER LOCK disc brake rotor mount
- Size: 140, 160 mm



**ST-R7120-R****DCL**
Dual Control
Lever**Reach
Adjust****ST-R7120-L****DCL**
Dual Control
Lever**Reach
Adjust****FD-R7100-F****FD-R7100-B****RD-R7100**Direct Mount
Rear Derailleur**ST-R7120-R**

Hydraulic Disc Brake DUAL CONTROL LEVER 2x12-speed

- Mechanical 12-speed dual control lever with updated ergonomics
 - » Light shifting operation lets you focus on the road ahead
- New blade shape creates shorter lever access curve allowing riders with a wide range of hand sizes and shapes to comfortably reach their levers

ST-R7120-L

Hydraulic Disc Brake DUAL CONTROL LEVER 2x12-speed

- Mechanical 12-speed dual control lever with updated ergonomics
 - » Light shifting operation lets you focus on the road ahead
- New blade shape creates shorter lever access curve allowing riders with a wide range of hand sizes and shapes to comfortably reach their levers

FD-R7100-F

Front Derailleur (Brazed-On Mount) 2x12-speed

- Lighter front shifting operation
- Smooth and natural shift action
- Toggle link construction
- Precise and easy front derailleur adjustment
- Routing options include bare shift cable and integrated cable housing stop
- Integrated cable tension adjustment

FD-R7100-B

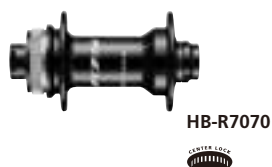
Front Derailleur (Clamp Band Mount) 2x12-speed

- Lighter front shifting operation
- Smooth and natural shift action
- Toggle link construction
- Precise and easy front derailleur adjustment
- Routing options include bare shift cable and integrated cable housing stop
- Integrated cable tension adjustment

RD-R7100

Rear Derailleur 12-speed

- Stable shifting performance
- SHIMANO SHADOW RD
- Wider gear range capacity
- Max. low sprocket: 36T
- Direct mount compatible

**ST-R7000**

Mechanical Brake DUAL CONTROL LEVER (11-speed)

ST-R7020

Hydraulic Disc Brake DUAL CONTROL LEVER (11-speed)

ST-R7025

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

FD-R7000

Front Derailleur (11-speed)

FC-R7000

HOLLOWTECH II Crankset (11-speed)

RD-R7000

Rear Derailleur (11-speed)

CS-R7000

HG Cassette (11-speed)

CS-HG700-11

HG Cassette (11-speed)

BR-R7000

Dual-Pivot Brake Caliper

BR-R7010-R

Direct Mount Type Brake Caliper

FH-R7000/HB-R7000

Front Hub & Rear FREEHUB

FH-R7070/HB-R7070

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

PROGRESSIVE ALL-ROAD PERFORMANCE

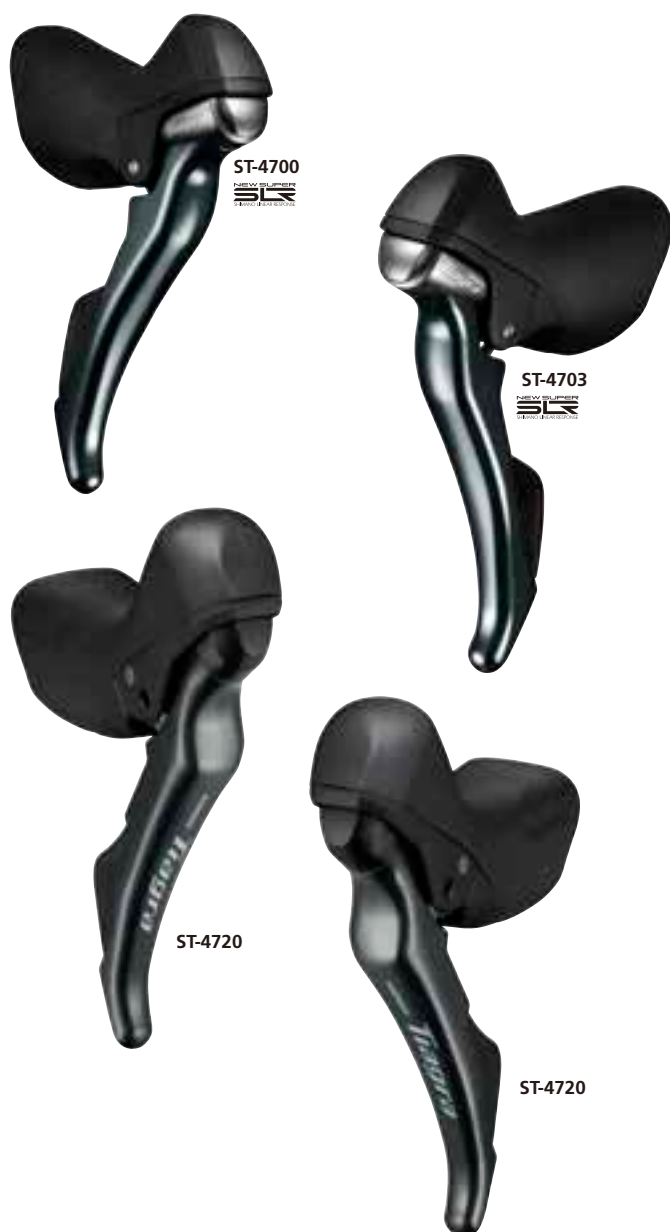
10-speed TIAGRA provides serious entry-level riding performance with cascaded technology from top-tier lines.

❖ 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)



<https://productinfo.shimano.com>



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 shifter
 - 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

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

RAPIDFIRE PLUS Shifter (2x10-speed)

SL-4703

RAPIDFIRE PLUS Shifter (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

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-RS501



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-RS501

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 (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

Brake Lever

- Intrinsicly designed to function seamlessly with the SL-4700 shifter
- 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

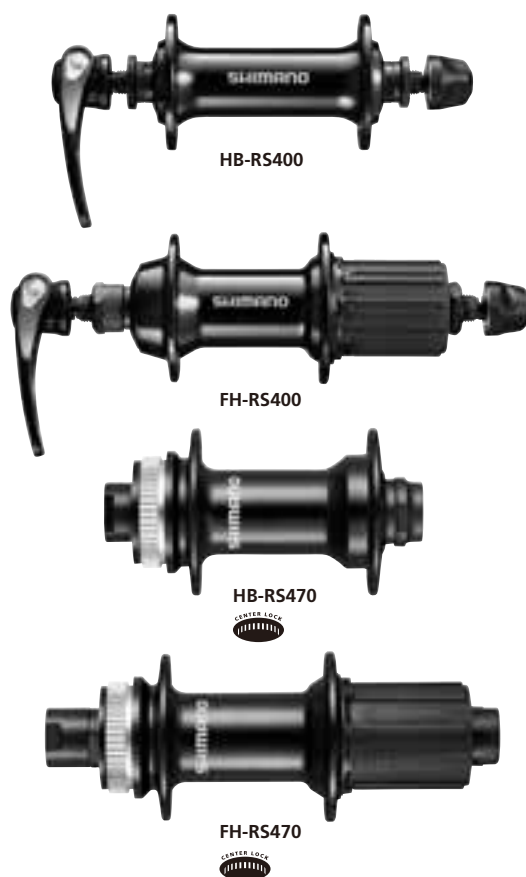
Dual-Pivot Brake Caliper

- 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

Hydraulic Disc Brake Caliper

- Greater rider control and confidence in all conditions
 - » Integrated hydraulic brake and shifter
- 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

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

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

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



<https://productinfo.shimano.com>



ST-R3000

DUAL CONTROL LEVER (2x9-speed)

SL-R3000

RAPIDFIRE PLUS Shifter (2x9-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
- Total capacity: 16T

FC-R3000

Crankset (2x9-speed)

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

BB-RS501

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 available (GS required)
- Total capacity: 37T (SS), 43T (GS)

CS-HG400-9

HG Cassette (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



<https://productinfo.shimano.com>



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

SL-R2000

RAPIDFIRE PLUS Shifter (2x8-speed)

- Clean cockpit with smooth operation and clear feedback
 - » Lighter handling
 - RAPIDFIRE PLUS
- Versatile usage
 - » Compatible with standard 8-speed RD

ST-RS200

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



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

BB-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction



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 (8-speed)

- Multi-surface rideable gear ratio
 - » Current gear combinations: 11-28T, 11-30T, 11-32T, 12-25T, 13-26T
 - » New gear combination: 11-34T



BL-R2000

Dual-Pivot Brake Lever

- Compatible with a wide variety of brakes

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

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
C-TALINK



BB-7700



BB-7710
(NJS type)



HP-7410



SS-7600

SHIMANO Series

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



For 12-speed

FC-RS520

SHIMANO Road Crankset 2x12-speed

- **Affordable and high-end style crankset**
 - » 4-arm crankset for 12-speed drivetrain
 - » Compatible with frames of O.L.D. 135 mm and 410 mm chainstay length
 - » 2-PIECE CRANKSET
 - » Color: Black
- **Crank arm length:** 165, 170, 172.5, 175 mm
- **Gear combination:** 50-34T

BB-RS501

Bottom Bracket

- **Weight:** 92 g

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-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

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

For 10-speed

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

BB-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

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

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO Series



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-RS501

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

For 8-speed

SL-R400

Shifter 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



BR-R561
SHIMANO
NEW SUPER SLR



BR-R561
SHIMANO
NEW SUPER SLR



BR-R451
SHIMANO
NEW SUPER SLR



BR-R451
SHIMANO
NEW SUPER SLR



BR-R353



BR-R353

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

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series

GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY

SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

SHIMANO Series



BR-R317



BR-RS305-R



BR-RS305-F



HB-RS400



FH-RS400



SM-CA70



SM-CA50

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



BL-RS600
I-spec II



BL-R780
NEW SUPER SLR

BL-R780
NEW SUPER SLR



BL-R550
NEW SUPER SLR

For 11-speed

SL-RS700

RAPIDFIRE PLUS Shifter (2x11-speed)

- 11-speed RAPIDFIRE PLUS shifter with vivid feel ergonomics
 - » Ergonomic lever shape, orbit and easy access to levers
- Quick, simple and versatile operation
- Color options: Black

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

Brake Lever

- Integrated design with shifter
 - » Compact and easy maintenance
- Better brake control performance/function
 - » NEW SUPER SLR: enhanced brake arch pivot location for quick linear response
- More brake choices
 - » Compatible with V-BRAKE, canti brake, mechanical disc brake
- Weight: 170g (Pair)
- Color options: Black, Silver

BL-R550

Brake Lever

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

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK

SHIMANO Series

GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

GRAVEL

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



DESIGNED FROM THE GROUND UP FOR GRAVEL ADVENTURE

Mix and match components to customize your bike for a wide range of terrains – and ride the way you want!

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series

GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

SECURE GRIP FOR RUGGED TERRAIN



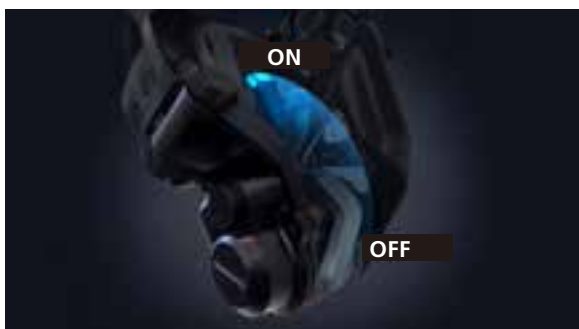
The textured surface of the GRX hood ensures you're always in control, even on bumpy descents.

NEVER MISS A BRAKING POINT



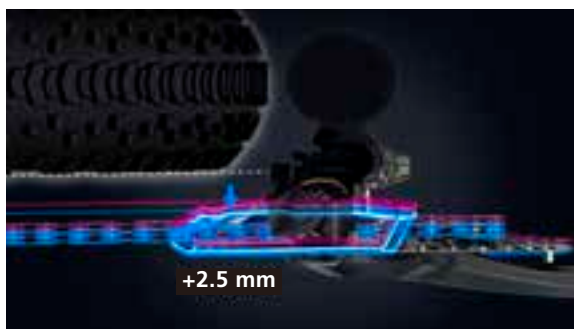
The anti-slip coating on GRX brake levers means that even in wet or muddy conditions, you'll always have SHIMANO's legendary stopping power on demand.

QUIET AND SECURE



Introduced in our MTB range and designed for more aggressive riding, this feature gives the derailleur a super low-profile design. It also reduces chain slap, improves chain retention and reduces the risk of clipping obstacles.

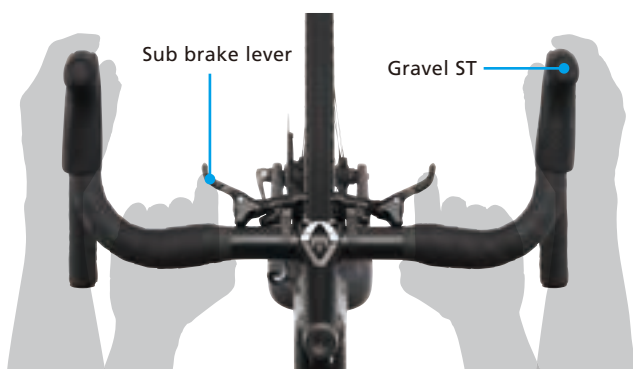
CLEARANCE FOR THE UNEXPECTED



With an extra 2.5 mm of space, the GRX front derailleur allows for unforeseen mud sections, even when you're running larger tires.

Gravel inspired cockpit

More confident and accessible braking from multiple handlebar positions



FRONT SHIFT NEXT

One Button, Two Functions for Simplified Front Shifting

A single switch button to shift the front chainring to whichever chainring it is not currently using. If you're pedaling in the big chainring, just hit the switch button, and your front derailleur will drop the chain down to the small chainring. Then, hit the same button again, and it'll shift it up to the big chainring again.





SHIMANO GRX

UNITED IN GRAVEL



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



<https://productinfo.shimano.com>

ST-RX825-R

Reach
Adjust **DCL**
Dual Control
Lever



ST-RX825-L

Reach
Adjust **DCL**
Dual Control
Lever



Reach
Adjust **DCL**
Dual Control
Lever

ST-RX825-R

GRX Di2 DUAL CONTROL LEVER 12s

- **Clean cockpit with fast and reliable wireless shifting**
 - » 3 to 4 years of battery life with easy-to-change CR1632 shifter batteries
- **Better comfort and control on mixed terrain**
 - » Anti-slip coating on brake levers
 - » Raised hoods and textured surface
 - » Optimized for use with flared handlebars
- **Customizable shifting setup**
 - » Compatible with SHIMANO's three SW-RS801 satellite shifter options
 - » Features SHIMANO FRONT SHIFT NEXT functionality

ST-RX825-L

GRX Di2 DUAL CONTROL LEVER 2x12s

- **Clean cockpit with fast and reliable wireless shifting**
 - » 3 to 4 years of battery life with easy-to-change CR1632 shifter batteries
- **Better comfort and control on mixed terrain**
 - » Anti-slip coating on brake levers
 - » Raised hoods and textured surface
 - » Optimized for use with flared handlebars
- **Customizable shifting setup**
 - » Compatible with SHIMANO's three SW-RS801 satellite shifter options
 - » Features SHIMANO FRONT SHIFT NEXT functionality

FD-RX825

GRX Di2 FRONT DERAILLEUR 2x12s

- **Wider tire clearance**
 - » Chain line +2.5 mm vs. conventional road FD
- **Wider range front gearing**
 - » 17T front range



FD-RX825



RD-RX825

GRX Di2 REAR DERAILLEUR 2x12s

- **Fast and reliable shifting on rough terrain**
 - » Adjustable chain stabilizer prevents chain slap
 - » SHIMANO SHADOW RD+
- **Gravel-tuned clutch tension**
 - » Switch stabilizer ON/OFF to match terrain: ON for gravel, OFF for smooth roads
- **LED status indicator**
 - » Battery indicator, pairing, adjust mode, etc.
- **Top sprocket: Max. 11T/Min. 11T**
- **Low sprocket: Max. 36T/Min. 34T**
- **Total capacity: 40T**



RD-RX825



DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



RD-RX827-SGS

SHIMANO
SHADOW
ES

NEW

RD-RX827-SGS

GRX Di2 REAR DERAILLEUR 1x12s

- » Fully wireless shifting built for rough gravel terrain
- » Robust Design: A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Protected Battery: Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining easily removable for charging.



BL-RX825-L

SERVO WAVE
ACTION

NEW

BL-RX825-L

GRX BRAKE LEVER (FOR Di2)

- » Lighter, simpler left brake lever option
- » Anti-slip coating on brake levers
- » Raised hoods and textured surface
- » Optimized for use with flared handlebars



ST-RX820-R
DCL *Reach Adjust*
Dual Control Lever
SERVO WAVE ACTION

ST-RX820-L
DCL *Reach Adjust*
Dual Control Lever
SERVO WAVE ACTION



BL-RX820-L
Reach Adjust
SERVO WAVE ACTION

ST-RX820-LA
Reach Adjust
SERVO WAVE ACTION



FD-RX820



FC-RX820-1
HOLLOWTECH II

ST-RX820-R

Hydraulic Disc Brake DUAL CONTROL LEVER 12-speed

- Greater comfort and control on mixed terrain
 - » Gravel-specific brake lever and bracket ergonomics
 - » Anti-slip coating on brake lever surface
 - » Optimized for use with flared handlebars

ST-RX820-L

Hydraulic Disc Brake DUAL CONTROL LEVER 12-speed

- Greater comfort and control on mixed terrain
 - » Gravel-specific brake lever and bracket ergonomics
 - » Anti-slip coating on brake lever surface
 - » Optimized for use with flared handlebars

ST-RX820-LA

Hydraulic Disc Brake Lever Dropper Post Operation

- Greater comfort and control in mixed terrain
 - » Gravel-specific lever and bracket ergonomics
 - » Anti-slip coating on brake lever
 - » Optimized for use with flared handlebars
- Streamlined cockpit lets you stay focused
 - » Integrated dropper post actuation
 - » 10 mm cable stroke

BL-RX820-L

Hydraulic Disc Brake Lever

- Greater comfort and control in mixed terrain
 - » Gravel-specific lever and bracket ergonomics
 - » Anti-slip coating on brake lever
 - » Optimized for use with flared handlebars

FD-RX820

Front Derailleur 2x12-speed

- Lighter front shifting
 - » Smooth and natural shift action
 - » Toggle link construction
- Wider tire clearance
 - » Chain line +2.5 mm vs. conventional road front derailleur
- Wider range front gearing
 - » 17T range
- Precise and easy front derailleur adjustment
 - » Routing options include bare shift cable and integrated cable housing stop
 - » Integrated cable tension adjustment

FC-RX820-1

Gravel Crankset 1x12-speed

- Optimal gearing for mixed-terrain riding
 - » 10-45T and 10-51T cassette options serve array of riding styles
- 42T and 40T chainrings available



FC-RX820-2



SM-BBR60



SM-BB72-41B



RD-RX820



RD-RX822-GS



RD-RX822-SGS



BR-RX820



ONE WAY BLEEDING

FC-RX820-2

Gravel Crankset 2x12-speed

- Smaller gear steps for cadence control on mixed-terrain riding
 - » Gravel-optimized gear ratios preserve riding rhythm on rough surfaces
- Wider gear range
 - » 17T range covers array of riding conditions
- Gear combination: 48-31T

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)

RD-RX820

SHIMANO SHADOW RD+ 12-speed

- Silent and secure rear shifting on rough terrain
 - » Adjustable chain stabilizer prevents chain slap and drops
 - » SHIMANO SHADOW RD+
- Smooth and reliable shifting on mixed surfaces
 - » ON/OFF stabilizer switch matches terrain
- Maximum front chainring difference: 17T
- Top sprocket: Max. 11T/Min. 11T
- Low sprocket: Max. 36T/Min. 34T
- Total capacity: 42T

RD-RX822-GS

SHIMANO SHADOW RD+ 12-speed

- Silent and secure rear shifting on rough terrain
 - » Adjustable chain stabilizer prevents chain slap and drops
 - » SHIMANO SHADOW RD+
- Smooth and reliable shifting on mixed surfaces
 - » ON/OFF stabilizer switch matches terrain
- Top sprocket: Max. 10T/Min. 10T
- Low sprocket: Max. 45T/Min. 45T
- Total capacity: 35T
- Interchangeable, replaceable GS/SGS derailleur cage

RD-RX822-SGS

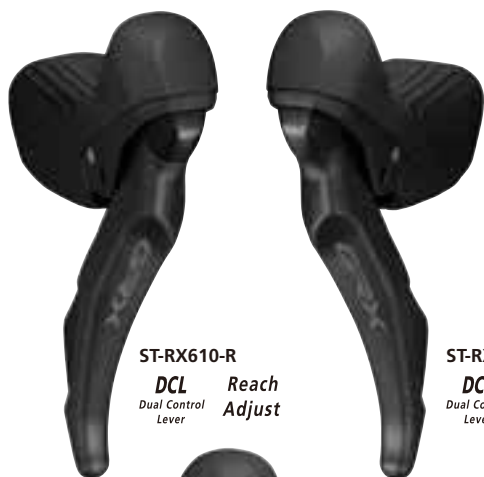
SHIMANO SHADOW RD+ 12-speed

- Silent and secure rear shifting on rough terrain
 - » Adjustable chain stabilizer prevents chain slap and drops
 - » SHIMANO SHADOW RD+
- Smooth and reliable shifting on mixed surfaces
 - » ON/OFF stabilizer switch matches terrain
- Top sprocket: Max. 10T/Min. 10T
- Low sprocket: Max. 51T/Min. 51T
- Total capacity: 41T
- Interchangeable, replaceable GS/SGS derailleur cage

BR-RX820

Hydraulic Disc Brake Caliper

- 10% wider pad clearance decreases brake noise
- Maintenance-friendly bleeding process



ST-RX610-R
DCL *Reach*
Dual Control *Adjust*
Lever

ST-RX610-L
DCL *Reach*
Dual Control *Adjust*
Lever



BL-RX610-L
Reach
Adjust



FC-RX610-2



FC-RX610-1



BB-RS501

ST-RX610-R

Hydraulic Disc Brake DUAL CONTROL LEVER 12-speed

- Greater control on mixed terrain
 - » Gravel-specific lever and bracket ergonomics
 - » Anti-slip coating on brake lever

ST-RX610-L

Hydraulic Disc Brake DUAL CONTROL LEVER 12-speed

- Greater control on mixed terrain
 - » Gravel-specific lever and bracket ergonomics
 - » Anti-slip coating on brake lever

BL-RX610-L

Hydraulic Disc Brake Lever

- Greater control on mixed terrain
 - » Gravel-specific lever and bracket ergonomics
 - » Anti-slip coating on brake lever

FC-RX610-2

Gravel Crankset 2x12-speed

- Smaller gear steps for cadence control on mixed-terrain riding
 - » Gravel-optimized gear ratios preserve riding rhythm on rough surfaces
- Gear combination: 46-30T

FC-RX610-1

Gravel Crankset 1x12-speed

- Optimal gearing for mixed-terrain riding
 - » 10-45T and 10-51T cassette options serve array of riding styles
- 38T and 40T chainrings available

BB-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction



ST-RX815

SIS
SHIMANO INTEGRATED SHIFTER SYSTEM



ST-RX815

SIS
SHIMANO INTEGRATED SHIFTER SYSTEM



FD-RX815-F

SIS
SHIMANO INTEGRATED SHIFTER SYSTEM



RD-RX815

SIS
SHIMANO INTEGRATED SHIFTER SYSTEM



RD-RX817

SIS
SHIMANO INTEGRATED SHIFTER SYSTEM



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

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 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 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-RX810

ST-RX810



ST-RX810-LA

BL-RX810-L



FD-RX810-F



FC-RX810-2

HG-EV

HOLLOWTECH II



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 shifter
 - 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-RX810-2

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

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-RX810-1

HG-EV



FC-RX810-1

HOLLOWTECH II Crankset

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



RD-RX810



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-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



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-RX600

ST-RX600



ST-RX400

ST-RX400



BL-RX600



FD-RX400-F



FC-RX600-11



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-RX600-11

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-RX600-1



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-RX600-10



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-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction



BB-RS501



RD-RX400



BR-RX410-F



ONE WAY BLEEDING



BR-RX410-R



ONE WAY BLEEDING

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

NEW

BR-RX410-F

GRX BRAKE CALIPER

- » 10% wider pad clearance decreases brake noise
- » Maintenance-friendly bleeding process

NEW

BR-RX410-R

GRX BRAKE CALIPER

- » 10% wider pad clearance decreases brake noise
- » Maintenance-friendly bleeding process



► 188



► 196

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
HIGH-END	MTB/GRAVITY						
	XTR	M9200					
	DEORE XT	M8200					
	SHIMANO DEORE XT	M8100					
	SLX	M7100					
	DEORE	M6200					
	SHIMANO DEORE	M6100					
	SHIMANO DEORE	M5100					
	SHIMANO DEORE	M4100					
	SHIMANO ALIVIO	M3100					
	SHIMANO ALCERA	M3000					
	SHIMANO ALTUS	M2000					
	SHIMANO Tourney TX	TX800					
	SHIMANO Tourney	TY700/ TY500					
ENTRY-LEVEL	SHIMANO Tourney	TX50/ TX30					
	SHIMANO Tourney TZ	TZ500					
	SAIRE	M820					

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

SHIMANO builds on its legacy of innovation and engineering with the introduction of its new fully wireless Di2 XTR M9200 mountain bike components. The no-compromise Di2 system delivers SHIMANO's ultra-precise and lightning-quick electronic shifting capabilities, with increased durability across each component.

- « **Fully Wireless Di2 Platform** – Redesigned Di2 system with fast, precise shifting in a wireless design for excellent performance and absolute reliability.
- « **Robust Drivetrain Construction** – Built to survive trail impacts for total rider confidence.
- « **Intuitive Ergonomics** – Controls with a natural fit and feel, plus added adjustability so you can focus on the trail ahead.
- « **Predictable Braking Control** – Refined power application with consistent performance and modulation in a wider temperature range.



<https://productinfo.shimano.com>





SW-M9250-R
SHIMANO
RAPID
ES

NEW

SW-M9250-R

XTR Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and multi-axis adjustability provide natural-feeling when shifting.
- » Fast Action: Precise, lightning-quick wireless shifting activated by Shimano's most adjustable, customizable, and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE app, with full switch and e-bike customization.
- » Feature Rich: Tech-packed, with a four-way adjust, two-step double shift or hold down multi-shift, rubber traction pad, clamp band and single/double mode converter.



SW-M9250-IR
SHIMANO
RAPID
ES *I-SPEC EV*

NEW

SW-M9250-IR

XTR Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and multi-axis adjustability provide natural-feeling when shifting.
- » Fast Action: Precise, lightning-quick wireless shifting activated by Shimano's most adjustable, customizable, and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE app, with full switch and e-bike customization.
- » Feature Rich: Tech-packed, with a four-way adjust, two-step double shift or hold down multi-shift, rubber traction pad, I-SPEC EV and single/double mode converter.



FC-M9220



NEW

FC-M9220

XTR CRANKSET 176 MM Q-FACTOR 55 MM CHAIN LINE 12s

- » Enduro Specific Spindle: A thicker enduro-specific spindle raises the mark for durability and big-hit survivability.
- » HOLLOWTECH II: Shimano's forging provides optimal weight, stiffness and rigidity for enduro riding and racing.
- » Q Factor/Chain Line: An enduro-optimized Q Factor brings race-feel familiarity, while a 55 mm chain line offers wide frame compatibility.
- » Compatibility: M9220 cranks come standard with a 24 mm spindle and are compatible with Shimano's Threaded and Press Fit bottom brackets.



FC-M9200



NEW

FC-M9200

XTR CRANKSET 170 MM Q-FACTOR 55 MM CHAIN LINE 12s

- » **Lightweight:** The crank arm and steel axle strike a balance between reliable power transfer and lightweight for top-level XC performance.
- » **Machined Chainring:** The SM-CRM96 is Shimano's lightest ever machined chainring.
- » **HOLLOWTECH II:** Shimano's forging provides optimal weight, stiffness and rigidity for XC riding and racing.
- » **Q Factor/Chain Line:** An XC-optimized Q Factor brings race-feel familiarity, while the 55 mm chain line offers wide frame compatibility.
- » **Compatibility:** M9200 cranks come standard with a 24 mm spindle and are compatible with Shimano's Threaded and Press Fit bottom brackets.

NEW

SM-CRM96

XTR CHAINRING 12s

- » **DYNAMIC CHAIN ENGAGEMENT:** Tried and true DYNAMIC CHAIN ENGAGEMENT keeps the chain glued to the ring.
- » **Ring Sizes:** Available in 28T to 38T for compatibility with all XTR drivetrain and rider needs.
- » **Compact Drivetrain:** The 28T ring pairs well with the mid-cage rear derailleur and 9-45 cassette for enough range in the small and light package.



SM-BB93



SM-BB94-41A

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)

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



RD-M9250-GS
SHIMANO
SHADOW
ES



RD-M9250-SGS
SHIMANO
SHADOW
ES



BT-DN320



EC-DN100

NEW

RD-M9250-GS

XTR Di2 REAR DERAILLEUR MEDIUM CAGE 12s

- » Robust Design: A wide link structure, skid-plate design, durable carbon plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of Shimano's pioneering chain-stabilizing SHADOW concept.
- » Precise & Clean Wireless Shifting: Wireless Di2 paired with HYPERGLIDE+ technology result in smooth, precise and instantaneous shifting.
- » Wedge Shape: The new wedge shape of Shimano's most survivable rear derailleur to-date avoids more direct impacts, and smoothly glances off rocks if there is a hit.
- » Protected Battery: Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining completely removable for charging.

NEW

RD-M9250-SGS

XTR Di2 REAR DERAILLEUR LONG CAGE 12s

- » Robust Design: A wide link structure, skid-plate design, durable carbon plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of Shimano's pioneering chain-stabilizing SHADOW concept.
- » Precise & Clean Wireless Shifting: Wireless Di2 paired with HYPERGLIDE+ technology result in smooth, precise and instantaneous shifting.
- » Wedge Shape: The new wedge shape of Shimano's most survivable rear derailleur to-date avoids more direct impacts, and smoothly glances off rocks if there is a hit.
- » Protected Battery: Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining completely removable for charging.

NEW

BT-DN320

Di2 REAR DERAILLEUR BATTERY

- » Protected Battery: Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining completely removable for charging.
- » Longevity: 305 mAh provides for more riding on one charge.

NEW

EC-DN100

BATTERY CHARGER FOR Di2 REAR DERAILLEUR BATTERY

- » New Power Source: The evolution of the Di2 power source also gets a new and easy to use charger.



CS-M9200-12

HYPERGLIDE+ 



CN-M9100

HG SIL-TEC



SM-CN910-12

HG SIL-TEC



BL-M9220

ERGO FLOW I-SPEC EV

SERVO WAVE
ACTION



BR-M9220

ICE TECHNOLOGIES Four
Piston

NEW

CS-M9200-12

XTR HYPERGLIDE+ CASSETTE 12s

- » 10-51T 510% Range: The wide gear range and wide frame compatibility of all XTR cassette options.
- » 9-45T Compact Drivetrain: When specified with smaller chainrings and the mid-cage XTR rear derailleur, the 9-45T XTR cassette provides a lightweight, ground-clearing option with a no-sacrifice 500% range.
- » FREEHUB Compatibility: CS-M9200 is compatible with the MICRO SPLINE FREEHUB body standard. 9-45T is compatible with MICRO SPLINE FREEHUB standards and mounts with the use of a special locking tool (TL-LR021).
- » Build Materials: The strategic use of steel, titanium, and alloy ensures the CS-M9200 cassette is lightweight and robust enough to provide racer confidence.

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
 - » Enhancements to shifting performance
- **Compatible with new generation of drivetrain**
- **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

BL-M9220

XTR BRAKE LEVER ENDURO

- » Consistent Brake Control: All-new low viscosity mineral oil creates a reliable and strong power curve in all temperatures and terrains.
- » Caliper Customization: Pair the BL-M9220 with M9220 Enduro or M9200 XC calipers for a lightweight, powerful set-up.
- » Durability: BL-M9220's alloy lever blade utilizes Shimano's tried and true forging process.
- » Evolved Ergonomics: New lever shapes and pivot points and improved reach adjust make the BL-M9220 a perfect fit for all riders.
- » Tidy Cable Routing: Updated cable routing on the BL-M9220 offers a clean aesthetic.

NEW

BR-M9220

XTR 4-PISTON BRAKE CALIPER

- » Updated Seals and Low Viscosity Oil: Reliable bite point in all temperatures and trail conditions.
- » Predictable Power: DH-capable power curve that's been perfected for enduro racing.
- » Heat Dissipation: Resin or metal pads, finned or non-finned, allow riders to tune their precise brake feel (when paired with Shimano rotors).
- » Rattle-free: Revised pad and oval mount eliminate unnecessary noise.

SM-BH90-SBM

Disc Brake Hose

- **Straight-banjo type hose joint**

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



BL-M9200
I-SPEC EV

NEW

BL-M9200

XTR BRAKE LEVER XC

- » Lightweight Construction: Magnesium master cylinder body and carbon lever body keep weight down.
- » Mounting Options: Pair the BL-M9200 with M9200 or MT805 calipers to optimize weight savings.
- » Consistent Brake Control: All-new low viscosity mineral oil creates a reliable and strong power curve in all temperatures and terrains.



BR-M9200
MONO-BODY



ONE WAY BLEEDING

NEW

BR-M9200

XTR 2-PISTON BRAKE CALIPER

- » Consistent Brake Control: All-new low viscosity mineral oil creates a reliable and strong power curve in all temperatures and terrains.
- » Full XC: Pair the BR-M9200 caliper with the BL-M9200 lever for the lightest XC brake in the Shimano lineup.
- » Lightweight: New high rigidity brake hose and 1-piece aluminum caliper
- » Clean Routing: Mix and match the BR-M9200 caliper and BL-M9220 lever for a clean look and the ideal balance between power and weight.



BR-MT805
ICE TECHNOLOGIES



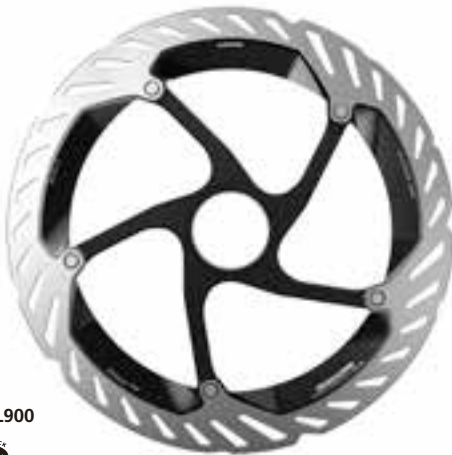
ONE WAY BLEEDING

NEW

BR-MT805

2-PISTON FLAT MOUNT BRAKE CALIPER

- » Flat Mount Upgrades: Easily update your flat-mount-equipped XC bike with M9200 brakes and the BR-MT805 caliper.
- » New Oil, New look: The MT805 is compatible with Shimano's new low-viscosity mineral oil for consistent power and brake bite.



RT-CL900



SM-BH90-SS

Disc Brake Hose

- Straight type hose joint

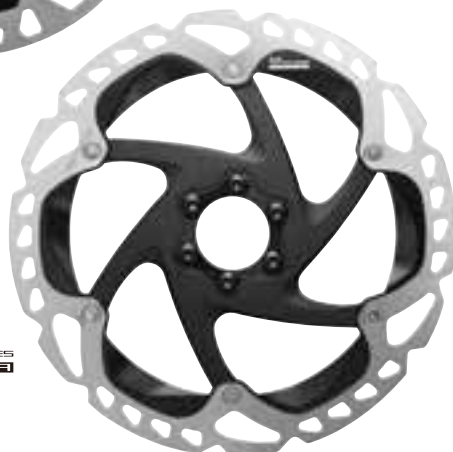
RT-CL900

SHIMANO CENTER LOCK Disc Brake Rotor
203/180/160/140 mm

- Quieter than ever, but with superb, consistent braking performance on any long, steep descents thanks to excellent heat dissipation
- The new arm shape is more robust, leading to quieter operation
- Heat dissipation paint boosts performance
- Disc brake rotor size: 140 mm, 160 mm, 180 mm, 203 mm



RT-MT905-M



RT-MT905-L



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: 147 g (180 mm), 187 g (203 mm)

NEW

HB-M9210-B

XTR FRONT HUB 110X15 MM E-THRU

- » Cartridge Bearings: XTR hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.
- » Drilling Options/Spacing: Available in conventional 110x15 boost spacing and traditional 28H and 32H drilling options.

NEW

FH-M9210-B

XTR FREEHUB 148X12 MM E-THRU MICRO SPLINE 12s

- » Quicker Engagement/Less Drag: A 3.5-degree engagement angle makes the FH-M9210-B fast off the line, while smart seal design and smooth bearings mean less drag when coasting.
- » Conventional Drilling/Boost Spacing: Available in conventional 148x12 boost spacing and traditional 28H and 32H drilling options.
- » Cartridge Bearings: XTR hubs are now available with easily serviceable stainless steel cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.



HB-M9210-B



FH-M9210-B



AX-MT700

AX-MT700

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

- Clean and simple design
 - » Approx -10 mm smaller housing (vs. SM-AX78/58)
 - » Easy lever-position adjust with hexagon wrench
 - Adjusting nut integrated into axle
- Easy and stable operation
 - » Stable fixing force
 - Cam structure
 - » Fast fixing
 - Optimized thread pitch
- Lightweight
 - » Smaller housing
 - » Hollow aluminum axle
- Same frame requirement as SM-AX78/58
- Weight: 75 g (AX-MT700-142x12), 76 g (AX-MT700-148x12)



▶ 190



▶ 197

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

DEORE XT

From the foundational moments in the early 1980s when DEORE XT first revolutionized mountain biking, SHIMANO brings fast and reliable shifting, a robust drivetrain construction, and refined braking systems to even more riders with the latest introduction of DEORE XT M8200 Di2 components.

- « Fully Wireless Di2 Platform – Redesigned Di2 system with fast, precise shifting in a wireless design.
- « Robust Drivetrain Construction – Built to survive trail impacts for rider confidence.
- « Intuitive Ergonomics – Controls with a natural fit and feel, plus added adjustability so you can focus on the trail ahead.
- « Predictable Braking Control – Refined power application with consistent performance and modulation in a wider temperature range.



<https://productinfo.shimano.com>





SW-M8250-R

SHIMANO
RAPID
ES



SW-M8250-IR

SHIMANO
RAPID
ES *I-SPEC EV*



FC-M8200



BB-MT801



BB-MT800-PA

NEW

SW-M8250-R

DEORE XT Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and multi-axis adjustability make this SHIMANO's most natural-feeling shifter yet.
- » Fast Action: Precise, lightning-quick wireless shifting activated by SHIMANO's most adjustable, customizable, and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE PROJECT app, with full switch and e-bike customization.
- » Feature Rich: Short stroke paddles, a two-step double shift or hold down multi-shift, rubber traction pad and clamp band, all in a tidy, ergonomic package.

NEW

SW-M8250-IR

DEORE XT Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and multi-axis adjustability make this SHIMANO's most natural-feeling shifter yet.
- » Fast Action: Precise, lightning-quick wireless shifting activated by SHIMANO's most adjustable, customizable, and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE PROJECT app, with full switch and e-bike customization.
- » Feature Rich: Short stroke paddles, a two-step double shift or hold down multi-shift, rubber traction pad and I-SPEC EV, all in a tidy, ergonomic package.

NEW

FC-M8200

DEORE XT CRANKSET 176 MM Q-FACTOR 55 MM CHAIN LINE 12s

- » Enduro Durability: Perfected HOLLOWTECH II forging provides optimal weight, stiffness, and rigidity for both all-day trail riding and enduro racing.
- » Q Factor/Chain line: An optimized 176 mm Q Factor brings race-feel familiarity, while a unified 55 mm chain line offers maxed-out frame compatibility-no wheel or cassette changes required.
- » Compatibility: M8200 cranks come standard with a 24 mm spindle and are compatible with SHIMANO's threaded and press-fit bottom brackets.

NEW

SM-CRM86

DEORE XT CHAINRING 12s

- » DYNAMIC CHAIN ENGAGEMENT: Tried and true DYNAMIC CHAIN ENGAGEMENT keeps the chain glued to the ring.
- » Ring Sizes: Available in 28T through 36T for compatibility with all DEORE XT drivetrain and rider needs.
- » Compact Drivetrain: The 28T ring pairs well with the mid-cage rear derailleur and 9-45T cassette for wide range in a smaller, lighter package.

BB-MT801

Threaded BB Type Bottom Bracket

- Weight: 82 g

BB-MT800-PA

Press-Fit Type Bottom Bracket



RD-M8250-GS
SHIMANO
SHADOW
ES

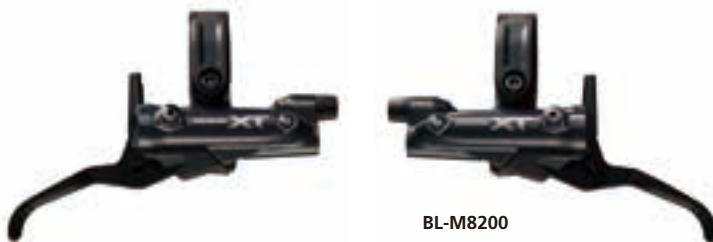


RD-M8250-SGS
SHIMANO
SHADOW
ES



CS-M8200-12

HYPERGLIDE+ 



BL-M8200
ERGO FLOW *I-SPEC EV*
SERVO WAVE
ACTION

NEW

RD-M8250-GS

DEORE XT Di2 REAR DERAILLEUR MEDIUM CAGE 12s

- » **Robust Design:** A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » **RD Protection Function:** The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » **SHIMANO SHADOW ES:** A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ Concept.
- » **Precise & Clean Wireless Shifting:** Pinpoint, ultra-fast shifting, and a no-sacrifice 500% gear range.
- » **Protected Battery:** Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining easily removable for charging.
- » **Covered Pulleys/Cage:** The solid pulley and shielded pulley teeth prevent trail debris from jamming up your flow.

NEW

RD-M8250-SGS

DEORE XT Di2 REAR DERAILLEUR LONG CAGE 12s

- » **Robust Design:** A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » **RD Protection Function:** The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » **SHIMANO SHADOW ES:** A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » **Precise & Clean Wireless Shifting:** Ultra-fast shifting and a no-sacrifice 500% gear range.
- » **Protected Battery:** Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining easily removable for charging.
- » **Covered Pulleys/Cage:** The solid pulley and shielded pulley teeth prevent trail debris from jamming up your flow.

NEW

CS-M8200-12

DEORE XT HYPERGLIDE+ CASSETTE 12s

- » **10-51T 510% Range:** The widest gear range and most frame compatibility of all DEORE XT cassette options.
- » **9-45T Compact Drivetrain:** When specified with smaller chainrings and the mid-cage DEORE XT rear derailleur, the 9-45T DEORE XT cassette provides a lightweight, ground-clearing option with a no-sacrifice 500% range.
- » **FREEHUB Compatibility:** CS-M8200 is compatible with the MICRO SPLINE FREEHUB body standard. 9-45T is compatible with MICRO SPLINE FREEHUB standards and mounts with the use of a special lockring tool (TL-LR021).
- » **Build Materials:** The strategic use of steel and alloy ensures the CS-M8200 cassette is robust enough to provide confidence to any style of rider.

NEW

BL-M8200

DEORE XT BRAKE LEVER

- » **Caliper Customization:** Pair the BL-M8200 with the M8220 Enduro caliper for high stopping power and control in rough terrain, or the M8200 XC calipers for a more weight-conscious set-up.
- » **Consistent Brake Control:** Smooth SERVO WAVE ACTION optimizes the power curve and manages pad-to-rotor friction throughout the lever pull for better balanced braking, while new low viscosity mineral oil keeps power consistent over a wider range of temperatures.
- » **Durability:** BL-M8200's alloy lever blade utilizes SHIMANO's tried and true stamping process.
- » **Evolved Ergonomics:** New lever shapes and pivot points and improved reach adjust make the BL-M8200 a comfortable fit for all types of riders.
- » **Tidy Cable Routing:** Updated cable routing on the BL-M8200 creates a clean aesthetic.



BR-M8220
ICE TECHNOLOGIES *Four Piston*

NEW
BR-M8220

DEORE XT 4-PISTON BRAKE CALIPER

- » Updated Seals and Low Viscosity Oil: A reliable bite point in all temperatures and trail conditions.
- » Predictable Power: DH-capable power curve that has been perfected for the rigors of enduro racing and all-day trail riding.
- » Heat Dissipation: Resin or metal pads, finned or non-finned, allow riders to tune their precise brake feel when paired with SHIMANO rotors.
- » Rattle-Free: Revised pad and oval mount eliminate unnecessary noise.



BR-M8200
ICE TECHNOLOGIES
 ONE WAY BLEEDING

NEW
BR-M8200

DEORE XT 2-PISTON BRAKE CALIPER

- » Solid Construction: Alloy caliper body emphasizes durability.
- » Custom Controls: Pair the BR-M8200 caliper with the BL-M8200 DEORE XT lever to strike the ideal balance between power and weight.
- » Consistent Brake Control: Redesigned SERVO WAVE optimizes the power curve and manages pad-to-rotor friction throughout the lever pull for better balanced braking, while new low viscosity mineral oil keeps power consistent over a wider range of temperatures.



HB-M8210-B
 E-THRU Axle

NEW
HB-M8210-B

DEORE XT FRONT HUB 110X15 MM E-THRU

- » Cartridge Bearings: DEORE XT hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs, and preload adjust keep the HB-M8210 consistently smooth-rolling and easy to maintain.
- » Drilling Options/Spacing: Available in conventional 110x15 boost spacing and traditional 28H and 32H drilling options.



FH-M8210-B
 E-THRU Axle

NEW
FH-M8210-B

DEORE XT REAR FREEHUB 148X12 MM E-THRU MICRO SPLINE 12s

- » Quicker Engagement/less drag: A 3.5-degree engagement angle makes the FH-M8210-B fast off the line, while smart seal design and smooth bearings mean less drag when coasting.
- » Conventional Drilling/Boost Spacing: Available in conventional 148x12 boost spacing and traditional 28H and 32H drilling options.
- » Cartridge Bearings: DEORE XT hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs, and preload adjust keep the FH-M8210-B consistently smooth-rolling and easy to maintain.



SL-M8100-R

RAPIDFIRE PLUS



SL-M8100-IR

RAPIDFIRE PLUS



I-SPEC EV



SL-M8100-R

RAPIDFIRE PLUS Shifter

SL-M8100-IR

RAPIDFIRE PLUS Shifter

- **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)**

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**



FC-M8100-1



BB-MT801

Threaded BB Type Bottom Bracket

- **Weight: 82 g**

BB-MT800-P

Press-Fit Type Bottom Bracket



BB-MT801



BB-MT800-P

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-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

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**



RD-M8100-GS



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 (1x12-speed)**
- **Total capacity: 35T**



CS-M8100-12

HYPERGLIDE + 

CS-M8100-12

Cassette (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

HG

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
- **Weight:** 252 g



BL-M8100

I-SPEC EV SERVO WAVE ACTION

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-CL800
CENTER LOCK
ICE
TECHNOLOGIES
FREEZA



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-CL800

SHIMANO CENTER LOCK Disc Brake Rotor
203/180/160/140 mm

- **Quieter than ever, but with superb, consistent braking performance on any long, steep descents thanks to excellent heat dissipation**
- **The new arm shape is more robust, leading to quieter operation**
- **Disc brake rotor size: 140 mm, 160 mm, 180 mm, 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)**

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



HB-M8110-BS



FH-M8110-B



FH-M8130-B



FH-M8110-B



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 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
- **Weight: 75 g (AX-MT700-142x12), 76 g (AX-MT700-148x12)**



▶ 191



▶ 198

SL-M8130-R11

RAPIDFIRE PLUS



SL-M8130-IR11

RAPIDFIRE PLUS



SL-M8130-R11

RAPIDFIRE PLUS Shifter

- Adjustable ergonomics enhance control while delivering quick and decisive shifting
 - Quick lever access and light operation
 - INSTANT RELEASE
- Weight: 117 g

SL-M8130-IR11

RAPIDFIRE PLUS Shifter

- Adjustable ergonomics enhance control while delivering quick and decisive shifting
 - Quick lever access and light operation
 - Customizable ergonomics
 - I-SPEC EV
 - INSTANT RELEASE
- Weight: 120 g



RD-M8130-SGS



RD-M8130-SGS

SHIMANO SHADOW RD+

- Smooth & decisive shift performance
 - Smoother shifting
 - System designed to integrate with LINKGLIDE cassettes
 - Rear derailleur stabilizer reduces chain slap and improves chain stability
 - Low-profile design is optimized for rough terrain
- Total capacity: 39T

CS-LG600-11

LINKGLIDE Cassette (11-speed)

- Durable drive quality and enduring shifting performance.
 - LINKGLIDE drivetrain technology
 - Smooth 2-way shifting (inward and outward)
 - Reduced pedal shock while shifting
 - Longer life with smoother pedaling
 - Triple the durability of HYPERGLIDE on e-bikes with high chain tension situation
 - 300% longer wear resistance
- Gear combination: 11-13-15-17-20-23-26-30-36-43-50T

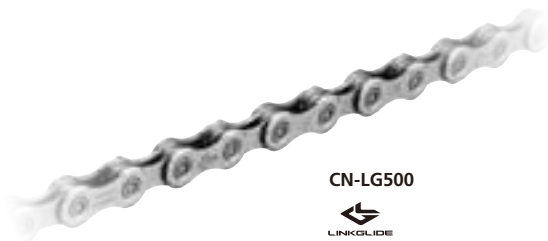
CS-LG600-11



CN-LG500

LINKGLIDE Chain (10/11-speed)

- Smooth and reliable shift performance
 - LINKGLIDE technology
 - Compatible with LINKGLIDE 10/11-speed and 11-speed HYPERGLIDE drivetrain system
- Weight: 257 g



CN-LG500



FH-UR600

Rear FREEHUB for Disc Brake

- Access the smooth and reliable shift performance of LINKGLIDE.
 - Compatible with 11/10-speed, O.L.D. 135 mm
 - Durable construction
 - Included FREEHUB spacer required for use with LINKGLIDE cassettes
 - Compatible with #13 spoke
- Weight: 381 g



FH-UR600



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



<https://productinfo.shimano.com>





SL-M7100-R
RAPIDFIRE
PLUS



SL-M7100-IR
RAPIDFIRE
PLUS



I-SPEC EV

SL-M7100-R

RAPIDFIRE PLUS Shifter

SL-M7100-IR

RAPIDFIRE PLUS Shifter

- **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)**



FC-M7120-1



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)**

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



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)**



BB-MT801

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**

BB-MT801

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**



CS-M7100-12

HYPERGLIDE+ 

CS-M7100-12

Cassette

- **Advanced shifting performance provides the confidence to enjoy any trail**
 - » Pedal continuously while shifting
 - HYPERGLIDE+
 - » Lighter and stiffer cassette 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)**

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



CN-M7100

IG SIL-TEC

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
- **Weight: 252 g**



BL-M7100

I-SPEC EV SERVO WAVE ACTION

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
ICE
TECHNOLOGIES
Four
Piston

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
ICE
TECHNOLOGIES
ONE WAY BLEEDING

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
ICE
TECHNOLOGIES
ONE WAY BLEEDING

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**



RT-CL700
ICE
TECHNOLOGIES
CENTER LOCK

NEW

RT-CL700

DISC BRAKE ROTOR ICE TECHNOLOGIES

- » Updated ICE TECHNOLOGY rotor: Enhanced with a new 3D aluminum carrier.
- » Quiet: Optimized 3D-shaped alloy carrier reduces rotor noise.
- » Cool: Proven ICE TECHNOLOGY ensures superior heat dissipation and consistent braking.
- » CENTER LOCK: Available with both internal and external lock ring options.
- » Size: 140 mm, 160 mm, 180 mm, 203 mm



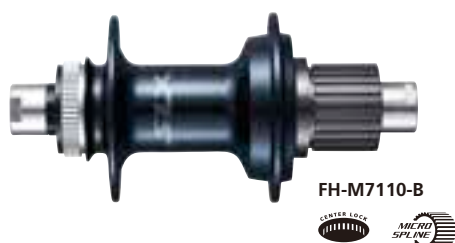
HB-M7110

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**



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)**

DEORE

DEORE M6200 mountain bike components offer the same precise and fast wireless shifting as XTR and DEORE XT groupsets in a more affordable package. Pairing the new DEORE wireless Di2 derailleur gives all types of riders the range and robustness to tackle every trail on the mountain.

- « **Fast Shifting and Robust Design** – Durable DEORE derailleur paired with the HYPERGLIDE+ cassette delivers fast and precise shifting under load experiences available.
- « **Ergonomic Evolution** – Familiar fit and I-SPEC EV adjustability make this SHIMANO's most natural-feeling shifter yet.



<https://productinfo.shimano.com>





SW-M6250-R



SW-M6250-IR

I-SPEC EV



RD-M6250-SGS
SHIMANO
SHADOW
ES

NEW

SW-M6250-R

DEORE Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and I-SPEC EV adjustability make this SHIMANO's most natural-feeling shifter yet.
- » Fast Action: Precise, lightning-quick wireless shifting activated by SHIMANO's customizable and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE PROJECT app, with full switch and e-bike customization.
- » Feature Rich: Short stroke tactile shift paddles, hold down multi-shift, rubber traction pad, and clamp band, all in a tidy, ergonomic package.

NEW

SW-M6250-IR

DEORE Di2 SHIFTING SWITCH

- » Ergonomic Evolution: Familiar fit and I-SPEC EV adjustability make this SHIMANO's most natural-feeling shifter yet.
- » Fast Action: Precise, lightning-quick wireless shifting activated by SHIMANO's customizable and satisfyingly tactile shifting switch.
- » Finely Tuned: Assign a function to the programmable third button through the E-TUBE PROJECT app, with full switch and e-bike customization.
- » Feature Rich: Short stroke tactile shift paddles, hold down multi-shift, rubber traction pad, and I-SPEC EV, all in a tidy, ergonomic package.

NEW

RD-M6250-SGS

DEORE Di2 REAR DERAILLEUR LONG CAGE 12s

- » Robust Design: A wide link structure, skid-plate design, durable steel plate, and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Precise & Clean Wireless Shifting: Ultra-fast shifting and a no-sacrifice 500% gear range.
- » Protected Battery: Tucked safely inside an enclosed space, the battery won't budge even in rough terrain, while remaining easily removable for charging.
- » Covered Pulleys/Cage: The solid pulley and shielded pulley teeth prevent trail debris from jamming up your flow.

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



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 Shifter

- 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 Shifter

- 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



BB-MT501

BB-MT500-P

Press-Fit Type Bottom Bracket

BB-MT501

Bottom Bracket

- High driving efficiency
 - » Better sealing and rotation (BB-MT501)



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+ 



CN-M6100

HG **HYPERGLIDE+**



BL-M6100

I-SPEC EV SERVO WAVE ACTION



BR-M6120

ICE TECHNOLOGIES



ONE WAY BLEEDING *Four Piston*



BR-M6100

ICE TECHNOLOGIES



ONE WAY BLEEDING

CS-M6100-12

Cassette

- **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**

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 and DYNAMIC CHAIN ENGAGEMENT+ chainrings
- **Weight: 252 g**

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 shifter**

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

Hydraulic Disc Brake Caliper

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



SL-M5100-IR

RAPIDFIRE PLUS



I-SPEC EV

Optical Gear Display



SL-M5100-L

RAPIDFIRE PLUS MONO



SL-M5100-IL

RAPIDFIRE PLUS MONO



I-SPEC EV



FD-M5100-M

SIDE SWING
Front Derailleur



FC-M5100-1



SL-M5100-IR

RAPIDFIRE PLUS Shifter

- 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 Shifter

- 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-M

SIDE SWING Front Derailleur

- Wider tire clearance
 - » Compatible with 2.3-inch tire on wider rims
- Different options available
 - » Available in M-type mounts
- Front-Pull cable route
- 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-M5100-B2



BB-MT500-P



BB-MT501



RD-M5100-SGS



RD-M5120-SGS



CS-M5100-11



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

Press-Fit Type Bottom Bracket

BB-MT501

Bottom Bracket

- High driving efficiency
 - » Better sealing and rotation (BB-MT501)

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

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

Cassette

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



CN-HG601-11
HG-X11
SIL-TEC

CN-HG601-11

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

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



HB-M6000



FH-M6000



HB-M6010-B



FH-M6010-B



HB-M5100



Labyrinth & Contact Sealing



FH-M5100



Labyrinth & Contact Sealing

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)

HB-M5100

DEORE FRONT HUB 100 QR

- **Durable and reliable**
 - » High-quality sealing and angular contact bearings
 - » CENTER LOCK disc brake

FH-M5100

DEORE FREEHUB 135 QR HG SPLINE M 11/10/9/8s

- **Durable and reliable**
 - » High-quality sealing and angular contact bearings
 - » Compatible with 11-speed LINKGLIDE cassettes
 - » CENTER LOCK disc brake



Optical Gear Display

SL-M4100-IR

RAPIDFIRE PLUS Shifter

- 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-M4100-IR

RAPIDFIRE PLUS



I-SPEC EV



SL-M5100-IL

RAPIDFIRE PLUS MONO



I-SPEC EV

SL-M5100-IL/L

RAPIDFIRE PLUS MONO Shifter

- 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



SL-M5100-L

RAPIDFIRE PLUS MONO



FD-M4100-M

SIDE SWING Front Derailleur

FD-M4100-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 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

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-B2
2-PIECE CRANKSET

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

BB-MT501

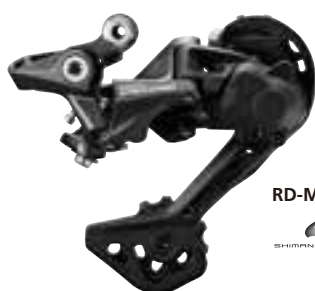
BB-MT500-P

Press-Fit Type Bottom Bracket

BB-MT501

Bottom Bracket

- High driving efficiency
 - » Better sealing and rotation (BB-MT501)

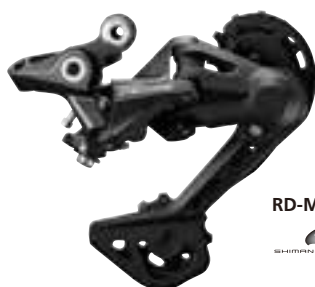


RD-M5120-SGS
SHIMANO SHADOW RD

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

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
HYPERGLIDE



CN-HG54
HG-X



BL-M4100
I-SPEC EV



BR-MT420
ONE WAY BLEEDING



BR-MT410
ICE TECHNOLOGIES
ONE WAY BLEEDING

CS-M4100-10

Cassette

- Ride anywhere with smooth and precise HG shifting
- 10-speed cassette: 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 shifter

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

SHIMANO DEORE 10s LINKGLIDE



SL-M5130-R10

RAPIDFIRE
PLUS



SL-M5130-R10

RAPIDFIRE PLUS Shifter

- Adjustable ergonomics enhance control while delivering quick and decisive shifting
 - » Quick lever access and light operation
 - » Compatible with I-SPEC EV brake lever
 - » Only compatible with LINKGLIDE drivetrain
 - » 2-WAY RELEASE



RD-M5130-GS



RD-M5130-GS

SHIMANO SHADOW RD+

- Smooth & decisive shift performance
 - » Smoother shifting
 - System designed to integrate with LINKGLIDE cassettes
 - » Rear derailleur stabilizer reduces chain slap and improves chain stability
 - » Low-profile design is optimized for rough terrain
- Total capacity: 32T



CS-LG600-10



CS-LG600-10

LINKGLIDE Cassette (10-speed)

- Durable drive quality and enduring shifting performance.
 - LINKGLIDE drivetrain technology
 - Smooth 2-way shifting (inward and outward)
 - Reduced pedal shock while shifting
- Longer life with smoother pedaling
 - Triple the durability of HYPERGLIDE+ on e-bikes with high chain tension situation
 - 300% longer wear resistance
- Gear combination: 11-13-15-17-20-23-26-30-36-43T

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

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



<https://productinfo.shimano.com>





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-BB71-41C



SL-M820



SL-M820-B-I



SM-CR82

Single Gear

- Single gear 34/36/38T

SM-BB80

Bottom Bracket

SM-BB71-41A/C

Press-Fit Type Bottom Bracket

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

SL-M820

RAPIDFIRE PLUS Shifter (10-speed)

SL-M820-B-I

RAPIDFIRE PLUS Shifter (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)

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA



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

Hydraulic Disc Brake Lever

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



BL-M820-B

BR-M820

Hydraulic Disc Brake Caliper

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



BR-M820



SM-BH90-SBLS

Brake Hose

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



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



<https://productinfo.shimano.com>



SL-M3100-R
RAPIDFIRE PLUS

Optical Gear Display



SL-M3100-L



RAPIDFIRE PLUS

Optical Gear Display



SL-M3100-2L



RAPIDFIRE PLUS MONO

SL-M3100-R

RAPIDFIRE PLUS Shifter

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

SL-M3100-2L/L

RAPIDFIRE PLUS Shifter

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



RD-M3100-SGS



RD-M3100-SGS

SHIMANO SHADOW RD

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

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



<https://productinfo.shimano.com>



SL-M3000



Optical Gear
Display

SL-M3000

RAPIDFIRE PLUS Shifter (3x9-speed)

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



SL-M3010

Optical Gear
Display

SL-M3010

RAPIDFIRE PLUS Shifter (2x9-speed)

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



FD-M3000



FD-M3000-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**

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



<https://productinfo.shimano.com>



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-EF505-2L
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

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR

DEORE XT
SLX
DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO **ALTUS** 9-speed



SL-M2010-L



SL-M2010-L

RAPIDFIRE PLUS Shifter (3x9-speed)

SL-M2010-2L

RAPIDFIRE PLUS Shifter (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-L)
- **Streamlined cockpit experience**
 - » Gear display positioned below the handlebar
 - » Numbered gear display indicates gear position at a glance
 - OPTICAL GEAR DISPLAY



SL-M2010-2L



RD-M2000



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)**

SHIMANO Series

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

For 12-speed

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



FC-MT512-1



For 10-speed

FC-M627-B

Chain Line 3mm Outboard (2x10-speed)

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



FC-M627-B



BB-MT501

Threaded BB Type Bottom Bracket

- Better sealing performance



BB-MT501

CS-HG50-10

HG Cassette (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



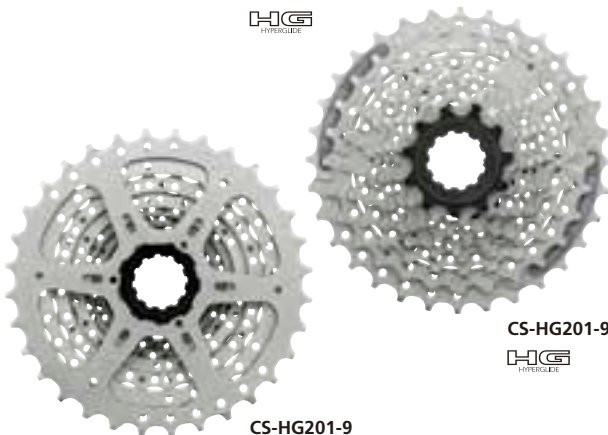
SHIMANO Series



CS-HG400-9



CS-HG400-9



CS-HG201-9



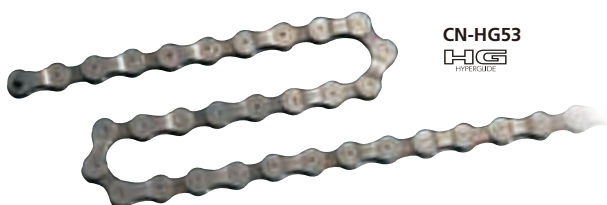
CS-HG201-9



CS-HG200-9



CS-HG200-9



CN-HG53



For 9-speed

CS-HG400-9

HG Cassette (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 cap
- Gear combination: 11-25T, 11-28T, 11-32T, 11-34T, 11-36T, 12-36T

CS-HG201-9

HG Cassette (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 cap
 - HYPERGLIDE technology
- Ride proudly with a high-end appearance
 - » SHIMANO logo on lowest sprocket
 - » Silver cassette option
 - Rust-resistant surface treatment

CS-HG200-9

HG Cassette (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 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

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

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**

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



BL-MT501
I-spec II

BR-MT500



ONE WAY BLEEDING



BR-MT520



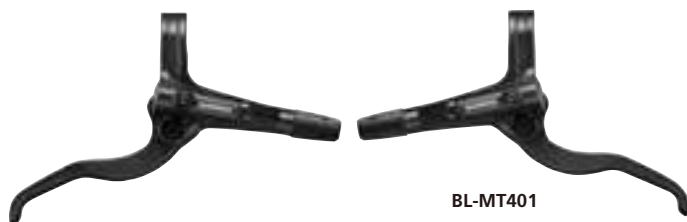
ONE WAY BLEEDING



BR-MT420



ONE WAY BLEEDING



BL-MT401

SHIMANO Series



BL-MT200



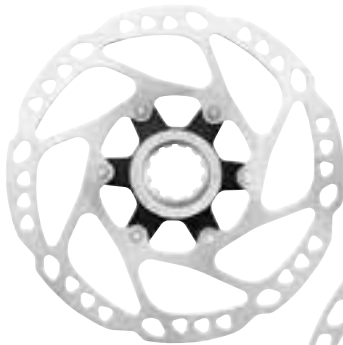
BL-MT201



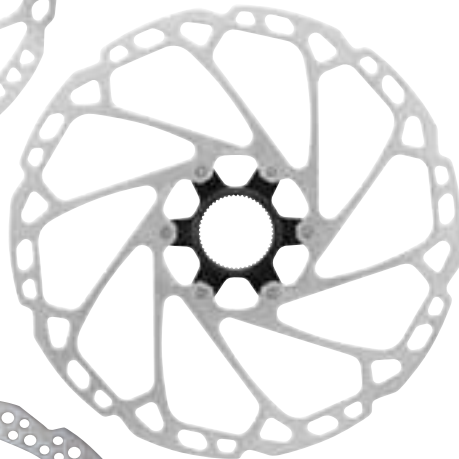
BR-MT200



BR-M375



SM-RT64



SM-RT54



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: 140, 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**

CENTER LOCK Disc Brake Rotors

SM-RT30

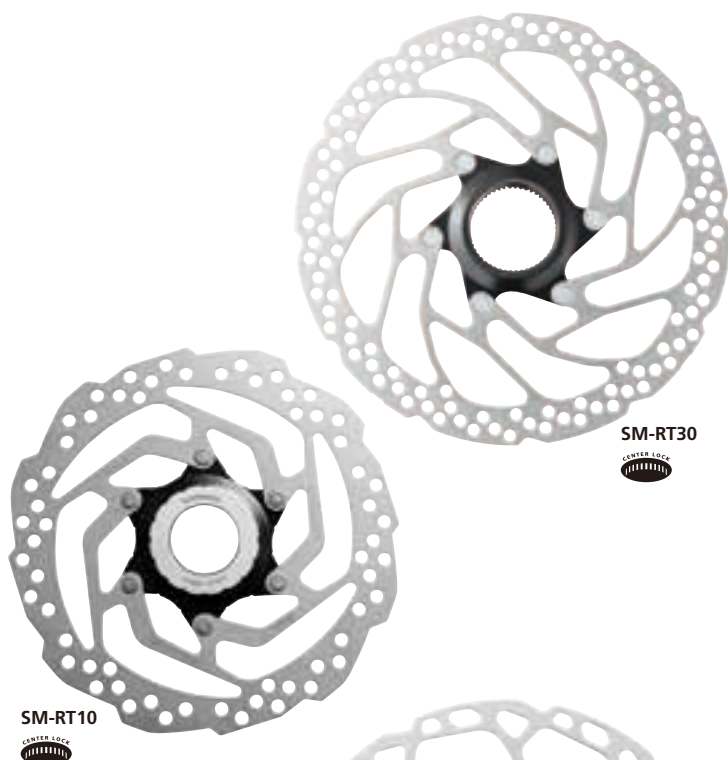
CENTER LOCK Disc Brake Rotor

- 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



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

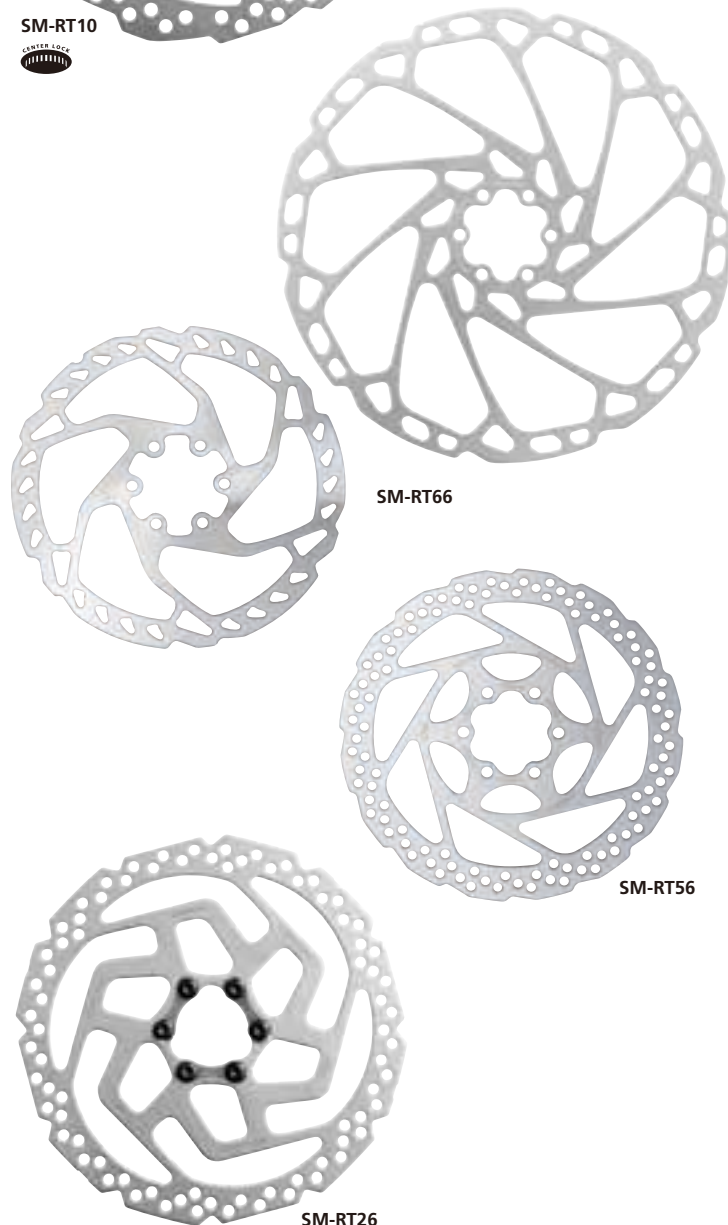
6-Bolt Disc Brake Rotor

- 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

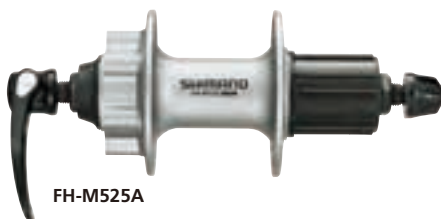
- Reduced assembly time
 - » Anti-loosening washers for quick and secure assembly
- Designed for resin pad only
- Size: 140, 160, 180 mm



SHIMANO Series



HB-M525A



FH-M525A



HB-M475



FH-M475



HB-MT200



FH-MT200-B



6-Bolt Disc Brake Rotor Mount

HB-M525A

Front Hub for Disc Brake

FH-M525A

Rear FREEHUB for Disc Brake

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

HB-M475

Front Hub for Disc Brake

FH-M475

Rear FREEHUB for Disc Brake

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

CENTER LOCK Disc Brake Rotor Mount

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

LIFESTYLE

LIFESTYLE COMPONENTS

Shimano's lifestyle components have a rider-centered design that differs from our traditional racing approach. Their user-friendliness helps people feel at ease on the saddle and supports bike-based lifestyles.





LIFESTYLE ACTIVE



Shimano's active lifestyle components are made with the simple goal of reminding people that bikes are fun. They invite everyone to discover the joy of biking, whether reconnecting with friends and nature on weekend rides or traversing continents.

SHIMANO **CUES** SHIMANO **E55A**
 SHIMANO **ALCERA** SHIMANO **ALTUS**
 SHIMANO **Tourney**

LIFESTYLE COMFORT



Shimano's comfort lifestyle components are crafted to be a supportive partner for everyday mobility and weekend cruising. Their intuitive, rider-friendly features make it easy for anyone to enjoy riding without special training or gear.

SHIMANO **ALFINE** SHIMANO **Nexus**

SHIMANO CUES

Keeps you moving

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

What is CUES?

SHIMANO CUES is a beacon for all who seek an active lifestyle.

We created this brand to provide versatility for a wide range of bike styles. It features incredibly smooth and stress-free shifting, the robustness to withstand the demands of e-biking, and a durable design that lasts up to three times longer.

Embrace the joy of riding and get moving with SHIMANO CUES.

ONE AMAZING BRAND, COUNTLESS EXPERIENCES.

SHIMANO CUES is the revolutionary new brand developed to confidently enhance the riding experience. CUES keeps you moving while you...

Dash confidently through city streets.

Escape routine and explore mountain trails.

Take the long way through the countryside to refresh and recenter.

Enjoy the empowering experience of e-biking.

The unifying theme of any biking experience with CUES is smooth, shockless shifting performance and welcoming ease of use.

SHIFTING TECHNOLOGY

Shimano CUES is built upon our original LINKGLIDE technology to provide smooth and intuitive shifting that riders can count on in any situation. With up to three times the durability of HG when used with an e-bike, this groupset can stand up to the increased stresses that an assist-powered bike places on drivetrain components.



CLEAN COCKPIT

In order to achieve clean integrated impression, SHIMANO re-designed Brake lever & Shifter, which have parallel lines aligned with handle bar. Clean cockpit makes your riding experience better.



WHAT IS CUES?

SHIMANO CUES is a beacon for all who seek an active lifestyle.

We created this brand to provide versatility for a wide range of bike styles. It features incredibly smooth and stress-free shifting, the robustness to withstand the demands of e-biking, and a durable design that lasts up to three times longer.

Embrace the joy of riding and get moving with SHIMANO CUES.

SHIMANO
CUES
Keeps you moving



<https://productinfo.shimano.com>

SHIMANO CUES U8000 Series



SL-U8000-11R

SHIMANO CUES RAPIDFIRE PLUS Shifter Clamp Band 11-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - INSTANT RELEASE
 - 2-WAY RELEASE
- Lightweight, compact design



SL-U8000-11R

SHIMANO CUES RAPIDFIRE PLUS Shifter I-SPEC II 11-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - » I-SPEC II provides more space on the handlebar and a cleaner appearance
 - INSTANT RELEASE
 - 2-WAY RELEASE
- Lightweight, compact design



SL-U8000-L

SHIMANO CUES RAPIDFIRE PLUS MONO Left Shifter Clamp Band for 2x11-speed

- Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - INSTANT RELEASE
 - 2-WAY RELEASE
- Lightweight, compact design



SL-U8000-IL

SHIMANO CUES RAPIDFIRE PLUS MONO Left Shifter I-SPEC II for 2x11-speed

- Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - » I-SPEC II provides more space on the handlebar and a cleaner appearance
 - 2-WAY RELEASE
 - INSTANT RELEASE
- Lightweight, compact design

SHIMANO **CUES** U8000 Series



FD-U8010-L
TOP SWING
Front Derailleur

FD-U8010-L

SHIMANO CUES TOP SWING Front Derailleur (Clamp Band Mount) 2x11/10-speed

- Smooth operation and precise front shifting on and off the road
 - » Extra-wide range with front double: 46-32T
 - » Total capacity: 16T
 - » 11/10-speed compatible



FC-U8000-2



FC-U8000-2

SHIMANO CUES HOLLOWTECH II Crankset 2x11-speed

- Hollow-forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II



FC-U8000-1



FC-U8000-1

SHIMANO CUES HOLLOWTECH II Crankset 1x11/10/9-speed

- Special gear tip shape improves chain engagement and retention for smooth riding over rough terrain
 - DYNAMIC CHAIN ENGAGEMENT+
- Hollow-forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II



BB-MT801

BB-MT801

Bottom Bracket



BB-MT800-PA

BB-MT800-PA

Press-Fit Type Bottom Bracket



RD-U8020



RD-U8000



BL-U8000

Reach
Adjust *I-spec II*

BR-U8000



BR-U8010



ONE WAY BLEEDING

BR-U8020



RD-U8020

SHIMANO CUES SHADOW RD+ Rear Derailleur
11-speed

- Seamless shifting and pedaling performance that's made to last
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design is optimized for rough terrain
 - » Stylish, polished and machine-cut aluminum textures
 - » Total capacity: 48T

RD-U8000

SHIMANO CUES SHADOW RD+ Rear Derailleur
11-speed

- Seamless shifting and pedaling performance that's made to last
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Stylish and polished aluminum finish with machine-cut textures
 - » Total capacity: 39T

BL-U8000

SHIMANO CUES Hydraulic Disc Brake Lever I-SPEC II
Clamp Band

- Ergonomics enhanced by moving the brake lever's center of rotation closer to the handlebar
- Superior modulation proves excellent braking power for e-trekking bikes

BR-U8000

SHIMANO CUES Hydraulic Disc Brake 2-Piston Caliper

- Excellent brake modulation provides finer braking control throughout the full range of the brake lever
- Lightweight 2-piston design for lightweight and reliable braking performance in all conditions
- Quick and easy assembly
 - » Banjo type connection and inside hose routing

NEW

BR-U8010

CUES FLAT MOUNT BRAKE CALIPER

- » The flat mount structure supports a clean and compact design.
- » Provides reliable braking performance with strong stopping power under all conditions.

BR-U8020

SHIMANO CUES Hydraulic Disc Brake 4-Piston Caliper

- Excellent brake modulation provides finer braking control throughout the full range of the brake lever
- High braking power instills greater confidence and control while riding at high speeds
 - Four Piston
- Quick and easy assembly
 - » Banjo type connection and inside hose routing

SHIMANO CUES U6000 Series



SL-U6000-11R

RAPIDFIRE PLUS 

SL-U6000-11R

SHIMANO CUES RAPIDFIRE PLUS Shifter Clamp Band 11-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - 2-WAY RELEASE



SL-U6050-11R

OPTISLICK **RAPIDFIRE PLUS** Optical Gear Display

SL-U6050-11R

CUES SHIFT LEVER SHORT REACH 11s

- Ergonomics optimized for riders with smaller hands
 - » SHORT REACH
- Push/Push shift lever with two thumb-accessible buttons close to the grip makes gear shifting more intuitive and comfortable.
- LINKGLIDE system compatible
 - » OPTICAL GEAR DISPLAY versions are available for both 11-speed and 10-speed configurations.



SL-U6000-10R

RAPIDFIRE PLUS 

SL-U6000-10R

SHIMANO CUES RAPIDFIRE PLUS Shifter Clamp Band 10-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - 2-WAY RELEASE



SL-U6050-10R

OPTISLICK **RAPIDFIRE PLUS** Optical Gear Display

SL-U6050-10R

CUES SHIFT LEVER SHORT REACH 10s

- Ergonomics optimized for riders with smaller hands
 - » SHORT REACH
- Push/Push shift lever with two thumb-accessible buttons close to the grip makes gear shifting more intuitive and comfortable.
- LINKGLIDE system compatible
 - » OPTICAL GEAR DISPLAY versions are available for both 11-speed and 10-speed configurations.



SL-U6000-L

 **RAPIDFIRE PLUS MONO**

SL-U6000-L

SHIMANO CUES RAPIDFIRE PLUS MONO Left Shifter Clamp Band for 2x11/10-speed

- Light and responsive front shifting improves efficiency and control
 - » Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - 2-WAY RELEASE



NEW
ST-U6030-R

- CUES HYDRAULIC DUAL CONTROL LEVER 11/10s
- » 11/10-speed Compatible Mechanical DUAL CONTROL LEVER with improved ergonomics.
 - » Refined lever shape shortens the reach distance, allowing riders with a wider range of hand sizes to comfortably access the lever.

NEW
ST-U6030-L

- CUES HYDRAULIC DUAL CONTROL LEVER FOR DOUBLE
- » 11/10-speed Compatible Mechanical DUAL CONTROL LEVER with improved ergonomics.
 - » Refined lever shape shortens the reach distance, allowing riders with a wider range of hand sizes to comfortably access the lever.

NEW
ST-U3030-10R

- CUES MECHANICAL DUAL CONTROL LEVER 10s
- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.

NEW
ST-U3030-L

- CUES MECHANICAL DUAL CONTROL LEVER FOR DOUBLE
- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

SHIMANO CUES U6000 Series



FD-U6030-F

NEW

FD-U6030-F

CUES FRONT DERAILLEUR 2x10/9s (BRAZED-ON MOUNT)

- » The toggle link construction delivers lighter front shifting with a smooth, natural shift action.
- » The chain line is 2.5 mm wider than conventional road front derailleurs, allowing for greater tire clearance.



FD-U6030-B

NEW

FD-U6030-B

CUES FRONT DERAILLEUR 2x10/9s (CLAMP BAND MOUNT)

- » The toggle link construction delivers lighter front shifting with a smooth, natural shift action.
- » The chain line is 2.5 mm wider than conventional road front derailleurs, allowing for greater tire clearance.



FD-U6000-D
*SIDE SWING
Front Derailleur*

FD-U6000-D

SHIMANO CUES SIDE SWING Front Derailleur (Direct Mount) 2x11/10-speed

- Smooth and quiet shifting on and off the trail
- SIDE SWING design provides smooth and efficient front shifting
- Wider tire clearance
- Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



FD-U6000-E
*SIDE SWING
Front Derailleur*

FD-U6000-E

SHIMANO CUES SIDE SWING Front Derailleur (E-type Without Bottom Bracket Plate Mount) 2x11/10-speed

- Smooth and quiet shifting on and off the trail
- SIDE SWING design provides smooth and efficient front shifting
- Wider tire clearance
- Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



FD-U6000-M
*SIDE SWING
Front Derailleur*

FD-U6000-M

SHIMANO CUES SIDE SWING Front Derailleur (Clamp Band Mount) 2x11/10-speed

- Smooth and quiet shifting on and off the trail
- SIDE SWING design provides smooth and efficient front shifting
- Wider tire clearance
- Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



FD-U6010-L
*TOP SWING
Front Derailleur*

FD-U6010-L

SHIMANO CUES TOP SWING Front Derailleur (Clamp Band Mount) 2x11/10-speed

- Smooth operation and precise front shifting on and off the road
 - » Total capacity: 16T
 - » 11/10-speed compatible



FC-U6040-2



FC-U6030-2



FC-U6040-1



FC-U6030-1



BB-RS501

NEW

FC-U6040-2

CUES CRANKSET HOLLOWTECH II 2x10/9s

- » HOLLOWTECH II Hollow-forged Crank limits weight while optimizing power transfer.

NEW

FC-U6030-2

CUES 2-PIECE CRANKSET 2x10/9s

- » 2-PIECE CRANKSET enhances rigidity, reduces weight, and ensures efficient power transfer.

NEW

FC-U6040-1

CUES CRANKSET HOLLOWTECH II 1x11/10/9s

- » HOLLOWTECH II Hollow-forged Crank limits weight while optimizing power transfer.
- » DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention with its special gear tip shape, ensuring smooth riding over rough terrain.

NEW

FC-U6030-1

CUES 2-PIECE CRANKSET 1x11/10/9s

- » DYNAMIC CHAIN ENGAGEMENT+ improves chain engagement and retention with its special gear tip shape, ensuring smooth riding over rough terrain.
- » 2-PIECE CRANKSET enhances rigidity, reduces weight, and ensures efficient power transfer.

BB-RS501

Bottom Bracket

BB-RS500-PB

Press-Fit Type Bottom Bracket

- Long-lasting performance
 - New seal construction

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO **CUES** U6000 Series



FC-U6010-2



FC-U6010-2

SHIMANO CUES HOLLOWTECH II Crankset 2x11-speed

- Efficient power transfer
- Hollow-forged crank maximizes power transfer while limiting weight
 - HOLLOWTECH II
 - » Lightweight alloy top gear
 - » Chain case compatible



FC-U6000-2



FC-U6000-2

SHIMANO CUES 2-PIECE CRANKSET 2x11/10/9-speed

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
 - » Chain case only compatible with 46-30T



FC-U6000-2B



FC-U6000-2B

SHIMANO CUES 2-PIECE CRANKSET 2x11/10/9-speed

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently



FC-U6000-1



FC-U6000-1

SHIMANO CUES 2-PIECE CRANKSET 1x11/10/9-speed

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- Special gear tip shape improves chain engagement and retention for smooth riding over rough terrain
 - DYNAMIC CHAIN ENGAGEMENT+



BB-MT500-P



BB-MT501

BB-MT500-P

Press-Fit Type Bottom Bracket

BB-MT501

Bottom Bracket

- High driving efficiency
 - » Better sealing and rotation (BB-MT501)



RD-U6000

SHIMANO CUES SHADOW RD+ Rear Derailleur 10/11-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design is optimized for rough terrain
 - » Total capacity: 39T
 - » Max low sprocket: 50T (1x11-speed), 48T (1x10-speed)
- **Designed and tested to provide enduring e-biking performance**
 - E-BIKE RATED



RD-U6020-11

SHIMANO CUES SHADOW RD Rear Derailleur 11-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 48T
 - » Max low sprocket: 45T (2x11-speed)
- **Designed and tested to provide enduring e-biking performance**
 - E-BIKE RATED



RD-U6020-10

SHIMANO CUES SHADOW RD Rear Derailleur 10-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 44T
 - » Max low sprocket: 39T (2x10-speed)
- **Designed and tested to provide enduring e-biking performance**
 - E-BIKE RATED

SHIMANO **CUES** U6000 Series



BL-U6030-L
*Reach
Adjust*



BL-U3030-L
SHIMANO CUES



BL-UR405
*Reach
Adjust*



BR-U6030-F

ONE WAY BLEEDING



BR-U6030-R

ONE WAY BLEEDING

NEW

BL-U6030-L CUES HYDRAULIC BRAKE LEVER FOR SINGLE

- » Hydraulic Disc Brake Lever with improved ergonomics.
- » Refined lever shape shortens the reach distance, allowing riders with a wider range of hand sizes to comfortably access the lever.

NEW

BL-U3030-L CUES BRAKE LEVER FOR SINGLE

- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.

BL-UR405 HYDRAULIC DISC BRAKE LEVER SHORT REACH

- Ergonomics optimized for riders with smaller hands
 - » SHORT REACH
 - » Further enhance ergonomics by pairing with a SHORT REACH shifting lever

NEW

BR-U6030-F CUES FLAT MOUNT HYDRAULIC DISC BRAKE CALIPER

- » Simple, integrated design purpose-built for 160 mm rotors.

NEW

BR-U6030-R CUES FLAT MOUNT HYDRAULIC DISC BRAKE CALIPER

- » Simple, integrated design purpose-built for 160 mm rotors.



RD-U6070

SHIMANO CUES Di2 LINKGLIDE Rear Derailleur 1x11-speed

- Automatic shifting compatibility lets anyone enjoy fun and sporty action without being an expert
 - » Compatible with LINKGLIDE 11-50T 11-speed CS
- Always be ready for action in the right gear with SHIMANO E-BIKE SYSTEMS enabled FREE SHIFT
- Automatic shifting without pedaling



RD-U6050

SHIMANO CUES Di2 LINKGLIDE Rear Derailleur 1x10-speed

- Automatic shifting compatibility lets anyone enjoy fun and sporty action without being an expert
 - » Compatible with LINKGLIDE 11-43T 10-speed CS
- Always be ready for action in the right gear with SHIMANO E-BIKE SYSTEMS enabled FREE SHIFT
- Automatic shifting without pedaling



NEW

FH-U6060

CUES AUTO SHIFT DYNAMO FREEHUB 142x12 E-THRU 10/11s

- » Battery-Free Convenience: The dynamo function generates its own power, eliminating the need for battery replacements or charging.
- » Comfort of Automatic Shifting: Q'Auto technology provides precise shifting in response to the rider's pedaling, ensuring a smooth riding experience.
- » Utilization of Multi-Function Sensors: The three sensors for speed, cadence, and slope collect real-time data to support optimal shifting.
- » Personalized Shifting: The adaptive learning function remembers the rider's shifting patterns and offers optimized shifting tailored to individual riding styles.

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO CUES U4000 Series



SL-U4000-9R
RAPIDFIRE
PLUS

SL-U4000-9R

SHIMANO CUES RAPIDFIRE PLUS Shifter Clamp Band 9-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY



SL-U4010-9R
RAPIDFIRE
PLUS



SL-U4010-9R

SHIMANO CUES RAPIDFIRE PLUS Shifter Clamp Band 9-speed

- Quick lever access and light operation
 - RAPIDFIRE PLUS
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY
 - 2-WAY RELEASE



SL-U4050-9R

OPTISLICK

RAPIDFIRE
PLUS

Optical Gear
Display

SL-U4050-9R

CUES SHIFT LEVER SHORT REACH 9s

- Ergonomics optimized for riders with smaller hands
 - » SHORT REACH
- Push/Push shift lever with two thumb-accessible buttons close to the grip makes gear shifting more intuitive and comfortable.
- LINKGLIDE system compatible
 - » OPTICAL GEAR DISPLAY



SL-U4000-L
RAPIDFIRE
PLUS MONO

SL-U4000-L

SHIMANO CUES RAPIDFIRE PLUS MONO Left Shifter Clamp Band for 2x9-speed

- Light and responsive front shifting improves efficiency and control
 - » Shift both up and down with a single lever
 - RAPIDFIRE PLUS MONO
 - » Easily-visible gear position indicator option improves shifting control
 - OPTICAL GEAR DISPLAY



ST-U3030-9R

DCL
Dual Control
Lever



NEW

ST-U3030-9R

CUES MECHANICAL DUAL CONTROL LEVER 9s

- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.



- FD-U4000-D**
 SHIMANO CUES SIDE SWING Front Derailleur (Direct Mount) 2x10/9-speed
- Smooth and quiet shifting on and off the trail
 - SIDE SWING design provides smooth and efficient front shifting
 - Wider tire clearance
 - Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



- FD-U4000-E**
 SHIMANO CUES SIDE SWING Front Derailleur (E-type Without Bottom Bracket Plate Mount) 2x10/9-speed
- Smooth and quiet shifting on and off the trail
 - SIDE SWING design provides smooth and efficient front shifting
 - Wider tire clearance
 - Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



- FD-U4000-M**
 SHIMANO CUES SIDE SWING Front Derailleur (Clamp Band Mount) 2x10/9-speed
- Smooth and quiet shifting on and off the trail
 - SIDE SWING design provides smooth and efficient front shifting
 - Wider tire clearance
 - Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



- FD-U4000-L**
 SHIMANO CUES TOP SWING Front Derailleur (Clamp Band Mount) 2x10/9-speed
- Smooth operation and precise front shifting on and off the road
 - Extra-wide range with front double: 36-22T, 40-26T
 - » Total capacity: 14T



- FD-U4010-L**
 SHIMANO CUES TOP SWING Front Derailleur (Clamp Band Mount) 2x9-speed
- Smooth operation and precise front shifting on rough surfaces
 - » Total capacity: 16T
 - » 9-speed compatible

SHIMANO
CUES U4000 Series



FC-U4010-2



FC-U4010-2B



BB-UR400



BB-MT501



FC-U4000-2

FC-U4010-2

SHIMANO CUES 2-PIECE CRANKSET 2x11/10/9-speed

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently
- » Chain case only compatible with 46-30T

FC-U4010-2B

SHIMANO CUES 2-PIECE CRANKSET 2x11/10/9-speed

- 2-PIECE CRANKSET increases rigidity of crankset with less weight and transmits pedaling force efficiently

BB-UR400

SHIMANO Threaded Bottom Bracket 68 mm Shell Width

- High-quality sealing extends product life

BB-MT501

Bottom Bracket

FC-U4000-2

SHIMANO CUES Crankset 2x11/10/9-speed

- » Q-Factor: 178 mm
- » Chain line: 48.8 mm



FC-U4000-2B

FC-U4000-2B

SHIMANO CUES Crankset 2x11/10/9-speed

- » Q-Factor: 178 mm
- » Chain line: 51.8 mm



FC-U4000-1



FC-U4000-1

SHIMANO CUES Crankset 1x11/10/9-speed

- Special gear tip shape improves chain engagement and retention for smooth riding over rough terrain
 - DYNAMIC CHAIN ENGAGEMENT+



FC-UT400-1



NEW

FC-UT400-1

CRANKSET 1x11/10/9s

- » DYNAMIC CHAIN ENGAGEMENT+ technology improves chain retention over bumpy terrain.
- » The 32T chainring is compatible with 52 mm and 55 mm chain lines.
- » Available in crank arm lengths of 175 mm, 170 mm, and 165 mm.



BB-UN300



BB-UN101

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

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO **CUES** U4000 Series



RD-U4000

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Optimized geometry and spring tension reduce chain drop
 - » Low-profile design is optimized for rough terrain
 - » Total capacity: 35T
 - » Max low sprocket: 46T
 - » Min low sprocket: 41T
- **Designed and tested to provide enduring e-biking performance**
 - E-BIKE RATED



NEW

RD-U4010

CUES SHORT CAGE REAR DERAILLEUR 10/9s

- » Greater clearance: With more ground and tire clearance than standard SHIMANO CUES rear derailleurs, it is ideal for small-wheel bikes.
- » Wide range of gear choices: Compatible with 9-speed (11-36T) and 10-speed (11-39T) LINKGLIDE cassettes.
- » Easy maintenance: With no cable adjustment barrel, you get more clearance for easy tire removal and maintenance.
- » E-BIKE RATED: Designed for dependable performance on small-wheel E-BIKES.



RD-U4020

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 41T
 - » Max low sprocket: 36T (2x9-speed)
- **Designed and tested to provide enduring e-biking performance**
 - E-BIKE RATED



RD-U3020

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- **Stable drivetrain performance on trails, gravel, and city streets**
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 41T
 - » Max low sprocket: 36T (2x9-speed)



SELF-POWERED Di2 AUTOMATIC SHIFTING



Di2
DIGITAL ELECTRONIC SHIFTER



FH-U6060



RD-U8050-SGS



RD-U8050-GS



SW-EN605-R



NEW

FH-U6060

CUES AUTO SHIFT DYNAMO FREEHUB 142x12
E-THRU 10/11s

- » Battery-Free Convenience: The dynamo function generates its own power, eliminating the need for battery replacements or charging.
- » Comfort of Automatic Shifting: Q'AUTO technology provides precise shifting in response to the rider's pedaling, ensuring a smooth riding experience.
- » Utilization of Multi-Function Sensors: The three sensors for speed, cadence, and slope collect real-time data to support optimal shifting.
- » Personalized Shifting: The adaptive learning function remembers the rider's shifting patterns and offers optimized shifting tailored to individual riding styles.

RD-U8050-SGS/GS

CUES Di2 Rear Derailleur

- » Compatible with LINKGLIDE 11-50T 11-speed cassette (RD-U8050-SGS)
- » Compatible with LINKGLIDE 11-43T 10-speed cassette (RD-U8050-GS)
- » Wireless LED indicator and function button
- Make rear derailleur adjustments with the E-TUBE PROJECT Cyclist App

SW-EN605-R

Di2 SHIFTING SWITCH

- » Three-button wireless shifting switch easily changes gears and modes
- Easy and intuitive access lever with short stroke for quick and responsive operation
- Light, yet responsive click feeling for precise shifting over rough terrain
- Customize shifting input and multi-shift settings with E-TUBE PROJECT
 - » Extra button for quickly selecting AUTO SHIFT or manual shift settings
 - » Longer lasting. Uses two CR1632 batteries (battery life: 3.5 to 4 years)
 - » LED indicator displays current shift mode and battery life
- 22.2 mm clamp band

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS

DURA-ACE TRACK
SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

THE ESSENCE OF ACTIVE

Engineered with the transformative essence of active concept, SHIMANO ESSA is not only compatible with Shimano's renowned 8-speed lineup; it elevates it. Versatile, robust, and designed to support active lifestyles, SHIMANO ESSA is ideal for a wide range of casual sport bikes, including MTB, fitness, and city.



<https://productinfo.shimano.com>



ST-U2030-R

DCL
Dual Control
Lever

SHIMANO
8S

NEW

ST-U2030-R

SHIMANO ESSA DUAL CONTROL LEVER 8s

- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.



ST-EF515-8R

OPTISLICK

EZ FIRE Plus **Reach Adjust** **Optical Gear Display**

ST-EF515-8R

EZ FIRE PLUS SHIFT/BRAKE LEVER 8s

- **Easy setup, simple control, and stable brake performance for entry-level riders**
 - » Funnel bleeding for easier maintenance
 - » Clean cable routing
 - » Same braking power as the MT200-kit
- **Lighter operating force and wider compatibility with internal cable routed frames**
 - » High efficiency cable
 - OPTISLICK
- **Ergonomic total system design**
 - » Integrates smoothly with three-finger hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS



FC-U2000-1

SHIMANO ESSA CRANKSET 8/7s

- Special gear tip shape improves chain engagement and retention for smooth riding over rough terrain.
 - DYNAMIC CHAIN ENGAGEMENT+ (32T)

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-U2000

SHIMANO ESSA REAR DERAILLEUR 8s

- Stable drivetrain performance on trails, gravel, and city streets
 - » Optimized geometry and spring tension reduce chain drop
 - » Low-profile design is optimized for rough terrain
 - » Total capacity: 34T
 - » Max. low sprocket: 45T
 - » Min. low sprocket: 45T
 - SHIMANO SHADOW RD



BL-U2030-L



NEW

BL-U2030-L

SHIMANO ESSA BRAKE LEVER FOR SINGLE

- » Ergonomic lever design inherited from our high-end mechanical DUAL CONTROL LEVERS offers better control.



CS-HG400-8
(11-45T)

CS-HG400-8

HG CASSETTE 8s

- **Reliable shifting performance**
 - » Wide range: 11-40T, 11-45T
 - HYPERGLIDE



CS-HG300-8
HG
HYPERGLIDE

NEW

CS-HG300-8

HG CASSETTE 8s

- » HYPERGLIDE technology ensures smooth, light, and reliable shifting performance.
- » Wide range gear combination: 11-45T.

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



<https://productinfo.shimano.com>



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

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX

XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES

ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA



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/shifter 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 Shifter (3x8/7-speed)

SL-M315-2L

RAPIDFIRE PLUS Shifter (2x8/7-speed)

SL-M315-8R

RAPIDFIRE PLUS Shifter (2/3x8-speed)

SL-M315-7R

RAPIDFIRE PLUS Shifter (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 shifter and brake lever cable routing**
- **Pre-assembled clamp band fixing bolt**
- **Color options: Black, Silver**



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-TY606-L



TOP SWING
Front Derailleur

FD-TY606-L

SHIMANO TOURNEY TY TOP SWING Front Derailleur (Clamp Band Mount) 2x8/7/6-speed

- Smooth, light and reliable shifting performance
 - » Reliable shifting performance
 - DUAL SIS
- Versatile performance and wide compatibility
 - » A single specification that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » 8/7/6-speed compatible
 - » 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

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



FC-M315-2



FC-M315-B2



BB-UN101



BB-UN300



RD-M3020-8

Double Servo



RD-M310-Smart

Double Servo

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

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

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-M3020-8

SHIMANO ACERA Rear Derailleur 8-speed

- Double Servo construction for smooth and precise shifting
- Versatile performance and wide compatibility
 - » Max. low sprocket: 40T
 - » Total capacity: 45T

RD-M310-Smart

Top Normal Rear Derailleur (8/7-speed)

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



CS-HG400-8
(11-40T)



CS-HG51-8
HG
HYPERGLIDE



CS-HG41-8
HG
HYPERGLIDE



CS-HG31-8
HG
HYPERGLIDE



CS-HG400-7
HG
HYPERGLIDE



CN-HG71
HG
HYPERGLIDE



FH-TY505-7
CENTER LOCK

CS-HG400-8

HG CASSETTE 8s

- **Reliable shifting performance**
 - » Wide range: 11-40T, 11-45T
 - HYPERGLIDE

CS-HG51-8

HG Cassette (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 (8-speed)

CS-HG31-8

HG Cassette (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

NEW

CS-HG400-7

HG CASSETTE 7s

- » A versatile cassette sprocket that is compatible with the widely used HG-M spline.
- » HYPERGLIDE technology ensures smooth, light, and reliable shifting performance.
- » Gear combination: 11-28T.

CN-HG71

HG Chain

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

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

SHIMANO *Tourney* Series A070

ENJOY CASUAL ROAD BIKE BY APPROPRIATE GEAR RATIO

❖ MAJOR BENEFITS

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



<https://productinfo.shimano.com>



ST-A070

DUAL CONTROL LEVER (2x7-speed)

- DUAL CONTROL LEVER (2300 operation style) for 7-speed
- Screw type Reach Adjust

ST-A073

DUAL CONTROL LEVER (3x7-speed)

- Light and precise shifting
 - » DUAL SIS
 - » DUAL CONTROL LEVER (2300 operation style) for 3x7-speed
 - » SUPER SLR compatible
 - » Reach Adjust by screw bolt (stepless adjustment)
 - » OPTICAL GEAR DISPLAY



FD-A070-A

Front Derailleur (2x7-speed)

FD-A073

Front Derailleur (3x7-speed)

- Light operation and smooth shifting
 - » DUAL SIS
 - » Multi clamp band (L size band spec addition)
 - » SG-X chainring compatible
 - » Quick assemble
 - » Interchangeable with SHIMANO road 7-speed system
 - » Easy adjusting

SHIMANO *Tourney* Series A070



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

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)

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

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



<https://productinfo.shimano.com>



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



RD-TX800



CS-HG200-8



BR-TX805



HB-TX506



FH-TX506



HB-TX500-NT



FH-TX500-8-NT

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 (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-TX500-NT

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

- Front hub and rear FREEHUB for rim-brake bikes

FH-TX500-8-NT

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

- Front hub and rear FREEHUB for rim-brake bikes



SL-TZ500

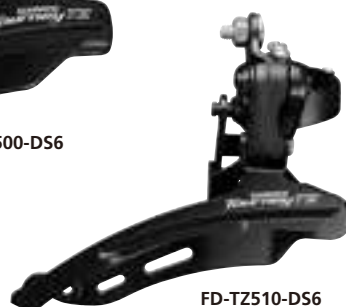
Thumb Shifter (3x7/6-speed)

- 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-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





MF-TZ510-7-CP
Front view
MEGARANGE

MF-TZ510-7
MEGARANGE



MF-TZ500-7-CP
Front view
MEGARANGE

MF-TZ500-7-CP
Back view

MF-TZ500-7
MEGARANGE



MF-TZ510-6-CP
Front view

MF-TZ510-6



MF-TZ500-6-CP
Front view

MF-TZ500-6-CP
Back view

MF-TZ500-6

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



SL-RV400-8R

REVOSHIFT
Shifter

Optical Gear
Display



SL-RV400-8R

SHIMANO REVOSHIFT Shifter SIS INDEX 8-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator



SL-RV400-7R

REVOSHIFT
Shifter

Optical Gear
Display



SL-RV400-7R

SHIMANO REVOSHIFT Shifter SIS INDEX 7-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator



SL-RV400-6R

REVOSHIFT
Shifter

Optical Gear
Display



SL-RV400-6R

SHIMANO REVOSHIFT Shifter SIS INDEX 6-speed

- Planetary gears for light operation
- Easy cable replacement
- Easily visible gear position indicator



SL-RV400-L

REVOSHIFT Shifter Optical Gear Display



SL-RV400-L

SHIMANO REVOSHIFT Shifter DUAL SIS INDEX 3-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator



SL-RV400-LN

REVOSHIFT Shifter Optical Gear Display

SL-RV400-LN

SHIMANO REVOSHIFT Shifter 3-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator
 - » Friction-type shifter



SL-RV300-7R

REVOSHIFT
Shifter
Optical Gear
Display



SL-RV300-6R

REVOSHIFT
Shifter
Optical Gear
Display



SL-RV300-L

REVOSHIFT Shifter Optical Gear Display



SL-RV300-LN

REVOSHIFT Shifter Optical Gear Display



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

SL-RV300-7R

SHIMANO REVOSHIFT Shifter SIS INDEX 7-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator

SL-RV300-6R

SHIMANO REVOSHIFT Shifter SIS INDEX 6-speed

- Ergonomic grip design with light shifting operation for riders with smaller hands (approx. 25% lighter operation vs. SL-RS35)
- Easy cable replacement
- Easily visible gear position indicator

SL-RV300-L

SHIMANO REVOSHIFT Shifter DUAL SIS INDEX 3-speed

- Ergonomic grip design
- Easy cable replacement
- Easily visible gear position indicator

SL-RV300-LN

SHIMANO REVOSHIFT Shifter 3-speed

- Ergonomic grip design
- Easy cable replacement
- Easily visible gear position indicator
 - » Friction-type shifter

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)



FD-TY601-L6
TOP SWING
Front Derailleur 



FD-TY601-L3
TOP SWING
Front Derailleur 



FD-TY600-L6
TOP SWING
Front Derailleur 



FD-TY600-L3
TOP SWING
Front Derailleur 

Index 48-38-28T compatible

FD-TY601-L6

SHIMANO TOURNEY TY TOP SWING Front Derailleur
(Clamp Band Mount) 3x8/7/6-speed

- **Smooth, light and reliable shifting performance**
 - » Reliable shifting performance
 - DUAL SIS
- **Versatile performance and wide compatibility**
 - » A single specification that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » 8/7/6-speed compatible
 - » Total capacity: 20T

FD-TY601-L3

SHIMANO TOURNEY TY TOP SWING Front Derailleur
(Clamp Band Mount) 3x8/7/6-speed

- **Smooth, light and reliable shifting performance**
 - » Reliable shifting performance
 - DUAL SIS
- **Versatile performance and wide compatibility**
 - » A single specification that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » 8/7/6-speed compatible
 - » Total capacity: 20T

Index 42-34-24T compatible

FD-TY600-L6

SHIMANO TOURNEY TY TOP SWING Front Derailleur
(Clamp Band Mount) 3x8/7/6-speed

- **Smooth, light and reliable shifting performance**
 - » Reliable shifting performance
 - DUAL SIS
- **Versatile performance and wide compatibility**
 - » A single specification that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » 8/7/6-speed compatible
 - » Total capacity: 18T

FD-TY600-L3

SHIMANO TOURNEY TY TOP SWING Front Derailleur
(Clamp Band Mount) 3x8/7/6-speed

- **Smooth, light and reliable shifting performance**
 - » Reliable shifting performance
 - DUAL SIS
- **Versatile performance and wide compatibility**
 - » A single specification that covers a wide range of usage
 - Dual-pull/multi-clamp band
 - » 8/7/6-speed compatible
 - » 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
- 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



RD-TY300



RD-TY200-GS



CS-HG200-7
HG
HYPERGLIDE



FH-TY500-7

RD-TY500

Rear Derailleur (7/6-speed)

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

RD-TY300

Rear Derailleur (7/6-speed)

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

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

Cassette (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

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)

ST-EF41



SL-TX50-L



SL-TX50-7R



SL-TX50-LN



SL-FT55-7R



SL-TX30-7R



SL-TX30-LN



SL-TX30-6R



DUAL SIS Shifter

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-TX50-7R/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

Rear SIS Shifter

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)

RD-TY200-SS



RD-TY21-B-SS



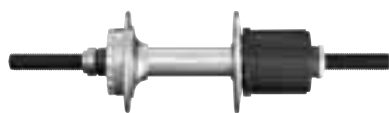
RD-TY21-B-GS



CN-HG40



HB-IM40



FH-IM20

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-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)

SHIMANO A050



SL-A050-LN



SL-A050-7R



SL-A050

Shifter (2/Frictionx7-speed)

- Handlebar mount



SHIMANO Series

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

For 11-speed

CS-LG700-11

SHIMANO LINKGLIDE Cassette 11-speed

- Aluminum spider significantly reduces cassette weight
- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
- Gear combination: 11-45T: (11-13-15-17-20-23-26-30-34-39-45T), 11-50T: (11-13-15-17-20-23-26-30-36-43-50T)

CS-LG400-11

SHIMANO LINKGLIDE Cassette 11-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
 - » Premium metallic design
- Gear combination: 11-45T: (11-13-15-17-20-23-26-30-34-39-45T), 11-50T: (11-13-15-17-20-23-26-30-36-43-50T)



For 10-speed

CS-LG400-10

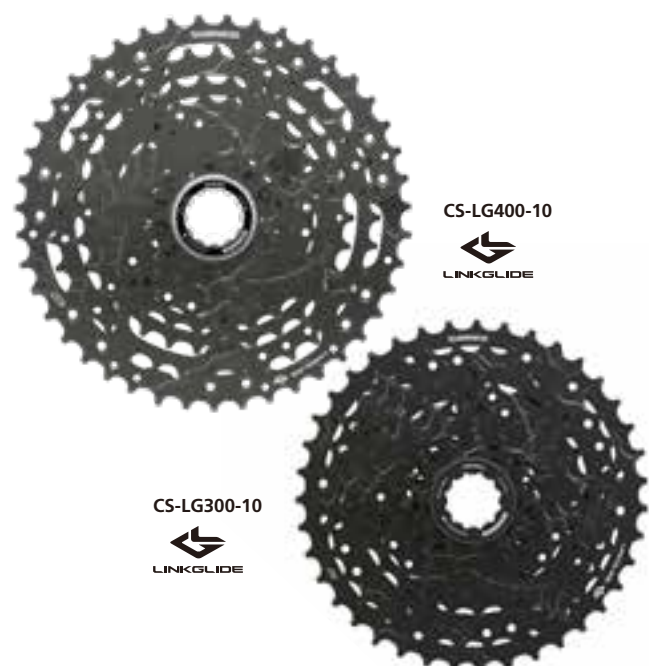
SHIMANO LINKGLIDE Cassette 10-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
 - » Premium metallic design
- Gear combination: 11-39T: (11-13-15-17-20-23-26-30-34-39T), 11-43T: (11-13-15-17-20-23-26-30-36-43T), 11-48T: (11-13-15-17-20-23-28-34-41-48T)

CS-LG300-10

SHIMANO LINKGLIDE Cassette 10-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
- Gear combination: 11-39T: (11-13-15-17-20-23-26-30-34-39T), 11-48T: (11-13-15-17-20-23-28-34-41-48T)



DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY T2
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

SHIMANO Series



CS-LG400-9



CS-LG300-9



For 9-speed

CS-LG400-9

SHIMANO LINKGLIDE Cassette 9-speed

- **Go further with smooth and long-lasting e-biking performance**
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- **Smooth 2-way shifting (inward and outward) with reduced pedal shock**
 - LINKGLIDE
 - » Premium metallic design
- **Gear combination:** 11-36T: (11-13-15-17-20-23-26-30-36T), 11-41T: (11-13-15-17-20-23-28-34-41T), 11-46T: (11-13-15-17-20-23-28-36-46T)

CS-LG300-9

SHIMANO LINKGLIDE Cassette 9-speed

- **Go further with smooth and long-lasting e-biking performance**
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- **Smooth 2-way shifting (inward and outward) with reduced pedal shock**
 - LINKGLIDE
- **Gear combination:** 11-36T: (11-13-15-17-20-23-26-30-36T), 11-41T: (11-13-15-17-20-23-28-34-41T), 11-46T: (11-13-15-17-20-23-28-36-46T)

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 performance
 - EZ FIRE PLUS



ST-EF505



ST-EF515-L

OPTISLICK

EZ FIRE Plus Reach Adjust Optical Gear Display

For 8/7-speed

ST-EF515-L

EZ FIRE PLUS SHIFT/BRAKE LEVER 3x8/7s

- **Easy setup, simple control, and stable brake performance for entry-level riders**
 - » Funnel bleeding for easier maintenance
 - » Clean cable routing
 - » Same braking power as the MT200-kit
- **Lighter operating force and wider compatibility with internal cable routed frames**
 - » High efficiency cable
 - OPTISLICK
- **Ergonomic total system design**
 - » Integrates smoothly with three-finger hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS

For 8/7-speed

ST-EF515-2L

EZ FIRE PLUS SHIFT/BRAKE LEVER 2x8/7s

- **Easy setup, simple control, and stable brake performance for entry-level riders**
 - » Funnel bleeding for easier maintenance
 - » Clean cable routing
 - » Same braking power as the MT200-kit
- **Lighter operating force and wider compatibility with internal cable routed frames**
 - » High efficiency cable
 - OPTISLICK
- **Ergonomic total system design**
 - » Integrates smoothly with three-finger hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS



ST-EF515-2L

OPTISLICK

EZ FIRE Plus Reach Adjust Optical Gear Display



ST-EF500-8R2A



ST-EF500-L2A

ST-EF500-7R2A

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

ST-EF500-2L

EZ FIRE PLUS Shifting/Brake Lever

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



ST-EF500-2L

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO Series



ST-EF515-7R

OPTISLICK

EZ FIRE Plus Reach Adjust Optical Gear Display



CS-HG41-7

HG HYPERGLIDE



CS-HG210-7

HG HYPERGLIDE



CS-HG200-7

HG HYPERGLIDE



BL-MT402-3A



BL-MT402-3A

For 7-speed

ST-EF515-7R

EZ FIRE PLUS SHIFT/BRAKE LEVER 7s

- Easy setup, simple control, and stable brake performance for entry-level riders
 - » Funnel bleeding for easier maintenance
 - » Clean cable routing
 - » Same braking power as the MT200-kit
- Lighter operating force and wider compatibility with internal cable routed frames
 - » High efficiency cable
 - OPTISLICK
- Ergonomic total system design
 - » Integrates smoothly with three-finger hydraulic BL
 - » Clear shift response and light action shifting performance
 - EZ FIRE PLUS

CS-HG41-7

HG Cassette (7-speed)

- HYPERGLIDE technology
- Gear combination: 11-28T

NEW

CS-HG210-7

HG CASSETTE 7s

- » A versatile cassette sprocket that is compatible with the widely used HG-M spline.
- » HYPERGLIDE technology ensures smooth, light, and reliable shifting performance.
- » Gear combination: 12-28T, 12-32T.

CS-HG200-7

Cassette (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-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

Hydraulic Disc Brakes

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



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



BL-MT200



BL-MT201



BR-MT200



BR-M375

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**

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

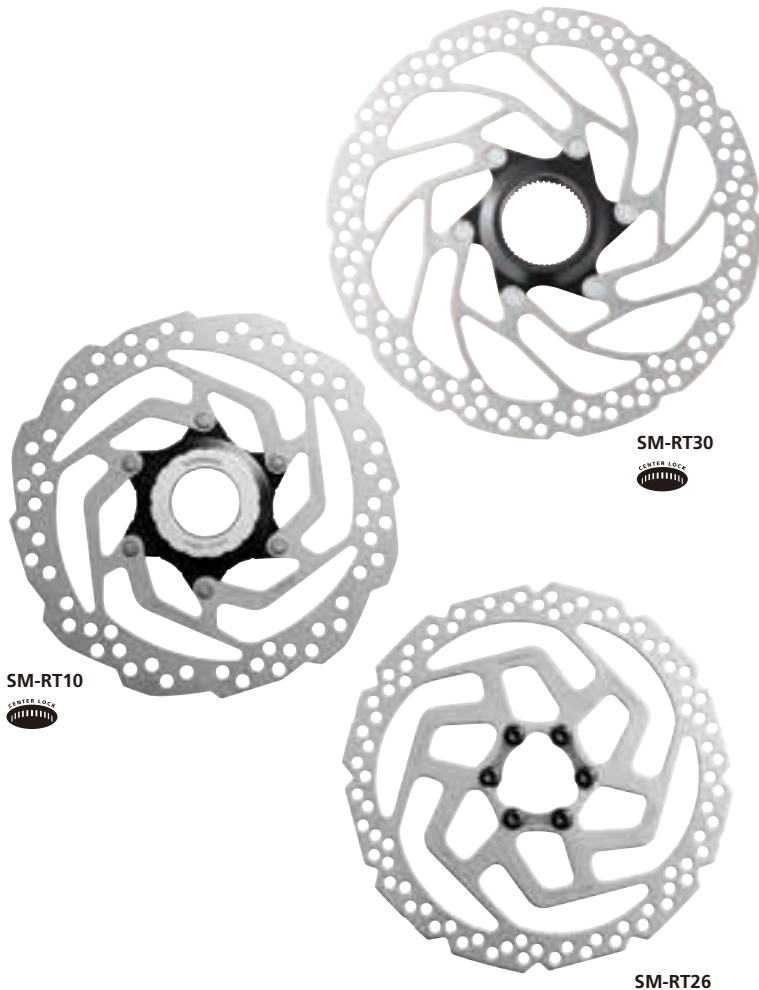
DEORE XT

DEORE

ALIVIO

ACERA

SHIMANO Series



CENTER LOCK Disc Brake Rotors

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

6-Bolt Disc Brake Rotors

SM-RT26

6-Bolt Disc Brake Rotor

- Reduced assembly time
 - » Anti-loosening washers for quick and secure assembly
- Designed for resin pad only
- Size: 140, 160, 180 mm

CENTER LOCK Disc Brake Rotor Mount

FH-TC600-MS-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 148x12 mm E-THRU Axle 12-speed MICRO SPLINE

- Simple setup and reliable trail performance
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Quick engagement
- Excellent durability with high pedaling torque
 - » Optimal bearing positioning for reliable e-bike and high torque usage
 - » Smaller spline diameter for 10T top gear
 - » O.L.D.: 148 mm
 - » #13 and #14 spoke compatible

FH-TC600-HM-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 148x12 mm E-THRU Axle 11/10/9/8-speed HG spline M

- Simple setup and reliable trail performance
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Quick engagement
- Excellent durability with high pedaling torque
 - » Optimal bearing positioning for reliable e-bike and high torque usage
 - » O.L.D.: 148 mm
 - » #13 and #14 spoke compatible

FH-TC600-MS-B



FH-TC600-HM-B



CENTER LOCK Disc Brake Rotor Mount



FH-TC500-HL
CENTER LOCK
E-THRU Axle
Labyrinth & Contact Sealing



FH-TC500-HM-B
CENTER LOCK



FH-TC500-HM
CENTER LOCK



FH-TC500-MS-B
CENTER LOCK
MICRO SPLINE



FH-TC500-MS
CENTER LOCK
MICRO SPLINE

FH-TC500-HL

FREEHUB 142x12 HG SPLINE L 12/11s

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 142 mm**
 - » #13 and #14 spoke compatible

FH-TC500-HM-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 148x12 mm E-THRU Axle 11/10/9/8-speed HG spline M

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 148 mm**
 - » #13 and #14 spoke compatible

FH-TC500-HM

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 142x12 mm E-THRU Axle 11/10/9/8-speed HG spline M

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 142 mm**
 - » #13 and #14 spoke compatible

FH-TC500-MS-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 148x12 mm E-THRU Axle 12-speed MICRO SPLINE

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Smaller spline diameter for 10T top gear
- **O.L.D.: 148 mm**
 - » #13 and #14 spoke compatible

FH-TC500-MS

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 142x12 mm E-THRU Axle 12-speed MICRO SPLINE

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Smaller spline diameter for 10T top gear
- **O.L.D.: 142 mm**
 - » #13 and #14 spoke compatible

SHIMANO Series



FH-QC500-MS-B



CENTER LOCK Disc Brake Rotor Mount

FH-QC500-MS-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB
141 mm Quick Release 12-speed MICRO SPLINE

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quick release type
 - » Labyrinth & Contact Sealing
 - » Smaller spline diameter for 10T top gear
- **O.L.D.: 141 mm**
 - » #13 and #14 spoke compatible



FH-QC500-MS



FH-QC500-MS

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB
135 mm Quick Release 12-speed MICRO SPLINE

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quick release type
 - » Labyrinth & Contact Sealing
 - » Smaller spline diameter for 10T top gear
- **O.L.D.: 135 mm**
 - » #13 and #14 spoke compatible



HB-TC500-15-B



HB-TC500-15-B

SHIMANO CENTER LOCK Disc Brake Front Hub
110x15 mm E-THRU Axle

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 15 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 110 mm**
 - » #13 and #14 spoke compatible



HB-TC500-15



HB-TC500-15

SHIMANO CENTER LOCK Disc Brake Front Hub
100x15 mm E-THRU Axle

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 15 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 100 mm**
 - » #13 and #14 spoke compatible



HB-TC500-12



E-THRU Axle Labyrinth & Contact Sealing

HB-TC500-12

FRONT HUB 100x12

- **Simple setup and reliable trail performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
- **O.L.D.: 100 mm**
 - » #13 and #14 spoke compatible

CENTER LOCK Disc Brake Rotor Mount



HB-QB400

HB-QB400

FRONT HUB 100 QR

- **Long-lasting performance**
 - » Quick release type
 - » High-quality seal
- **O.L.D.: 100 mm**
 - » #13 and #14 spoke compatible



FH-QB400-HM

FH-QB400-HM

FREEHUB 135 QR HG SPLINE M 11/10/9/8s

- **Long-lasting performance**
 - » High-quality seal
 - » Rear FREEHUB for 6-Bolt Disc Brake
- **O.L.D.: 135 mm**
 - » #13 and #14 spoke compatible



HB-QC400



HB-QC400



HB-QC400

SHIMANO CENTER LOCK Disc Brake Front Hub 100 mm Quick Release

- **Long-lasting performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quick release type
 - » High-quality seal
- **O.L.D.: 100 mm**
 - » #13 and #14 spoke compatible
 - » Optional disc brake rotor mount cover



FH-QC400-HM



FH-QC400-HM

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 135 mm Quick Release 11/10/9/8-speed HG spline M

- **Long-lasting performance**
 - » High-quality seal
 - » Easy disc brake rotor installation with spline mount and lock ring
- **O.L.D.: 135 mm**
 - » #13 and #14 spoke compatible
 - » Disc brake rotor mount cover option



FH-QC400-HM-B



FH-QC400-HM-B

FREEHUB 141 QR HG SPLINE M 11/10/9/8s

- **Long-lasting performance**
 - » High-quality seal
 - » Easy disc brake rotor installation with spline mount and lock ring
- **O.L.D.: 141 mm**
 - » #13 and #14 spoke compatible
 - » Disc brake rotor mount cover option

SHIMANO Series



HB-QC300



FH-QC300-HM



HB-NN300



FH-NN300-HM

Labyrinth &
Contact Sealing



FH-TY500-7

CENTER LOCK Disc Brake Rotor Mount

HB-QC300

SHIMANO CENTER LOCK Disc Brake Front Hub 100 mm Quick Release

- **Durable, long-lasting performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quality construction prevents axle bending
 - » O.L.D.: 100 mm
 - » Disc brake rotor mount cover option
 - » #13 and #14 spoke compatible

FH-QC300-HM

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB Quick Release 11/10/9/8-speed

- **Durable, long-lasting performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quality construction prevents axle bending
 - » O.L.D.: 135 mm
 - » Disc brake rotor mount cover option
 - » #13 and #14 spoke compatible

HB-NN300

FRONT HUB 100 NT

- **Durable, long-lasting performance**
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Quality construction prevents axle bending
 - » Disc brake rotor mount cover option
 - » #13 and #14 spoke compatible

FH-NN300-HM

FREEHUB 135 NT HG SPLINE M 11/10/9/8s

- **Durable, long-lasting performance**
 - » Quality construction prevents axle bending
 - » Disc brake rotor mount cover option
 - » #13 and #14 spoke compatible

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)

Characteristics of SHIMANO Series Hubs

FREEHUB

	Bearing construction		Sealing construction			Features					Material and finish	
	Hub bearing	Outer body bearing	Hub	Freewheel body	Sealing performance	Durability	Angle of engagement	E-THRU & QR exchangeable	Spline exchangeable	Compatible spoke size	Hub finish	QR lever
FH-TC600-HM-B FH-TC600-MS-B	Sealed cartridge	Sealed cartridge	Labyrinth & Contact	Contact	☆☆☆☆☆	☆☆☆☆☆	10°	-	X	#13/14	Anodized	-
FH-TC500-HL FH-TC500-HM-B FH-TC500-HM FH-TC500-MS-B FH-TC500-MS FH-QC500-MS-B FH-QC500-MS	Sealed cartridge	Sealed cartridge	Labyrinth & Contact	Contact	☆☆☆☆☆	☆☆☆☆	15°	X	X	#13/14	Anodized	Alloy
FH-QB400-HM FH-QC400-HM-B FH-QC400-HM	Sealed cartridge	Cup & Cone	Dust cap	Dust cap	☆☆☆	☆☆☆	22.5°	-	-	#13/14	Painted	Alloy
FH-QC300-HM	Cup & Cone	Cup & Cone	Dust cap	Dust cap	☆☆	☆☆	22.5°	-	-	#13/14	Painted	Steel
FH-NN300-HM	Cup & Cone	Cup & Cone	Dust cap	Dust cap	☆☆	☆☆	22.5°	-	-	#13/14	Painted	-

Front Hub

	Bearing construction	Sealing construction		Features		Material and finish	
	Hub bearing	Hub	Sealing performance	E-THRU & QR exchangeable	Compatible spoke size	Hub finish	QR lever
HB-TC500-12 HB-TC500-15 HB-TC500-15-B	Sealed cartridge	Labyrinth & Contact	☆☆☆☆☆	X	#13/14	Anodized	Alloy
HB-QB400 HB-QC400	Sealed cartridge	Dust cap	☆☆☆	-	#13/14	Painted	Alloy
HB-QC300	Cup & Cone	Dust cap	☆☆	-	#13/14	Painted	Steel
HB-NN300	Cup & Cone	Dust cap	☆☆	-	#13/14	Painted	-

How to Choose a FREEHUB

FREEHUB

	E-bike with ≥ 85 N·m torque	E-bike with < 85 N·m torque	MTB enthusiastic	Trekking/Fitness/City	Single-track cargo	Multi-track cargo	Front hub combination
FH-TC600-HM-B FH-TC600-MS-B	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	-	HB-TC500-12 HB-TC500-15 HB-TC500-15-B
FH-TC500-HL FH-TC500-HM-B FH-TC500-HM FH-TC500-MS-B FH-TC500-MS FH-QC500-MS-B FH-QC500-MS	☆☆	☆☆☆	☆☆	☆☆☆	☆☆	-	
FH-QB400-HM FH-QC400-HM-B FH-QC400-HM	☆	☆☆	☆	☆☆☆	☆☆	-	
FH-QC300-HM	☆	☆	☆	☆☆	☆	-	
FH-NN300-HM	☆	☆	☆	☆☆	☆	-	

☆☆☆ ... Excellent Performance
☆☆ ... Good Performance
☆ ... Compatible
- ... Incompatible

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



INTER 11



SG-S7001-11



SL-S700



SL-S700



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

RAPIDFIRE PLUS Shifter (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



SL-S7000-8

SL-S7000-8



SM-S7000-8

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

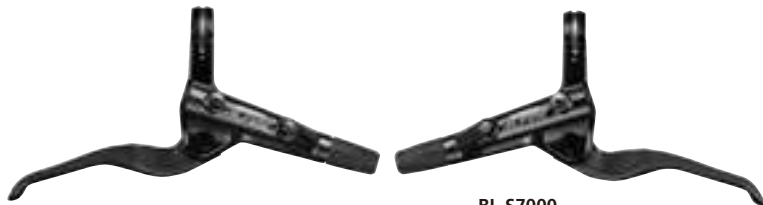
SL-S7000-8

RAPIDFIRE PLUS Shifter (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



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

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)



CT-S510

- For vertical drop-out



FC-S501

BB-RS501 2piece Crankset with Chain Guard

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

BB-RS501

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



<https://productinfo.shimano.com>



SW-E7000-R



SW-E7000-R

Shifting Switch

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



MU-UR510



SM-S705

Small Parts Set

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

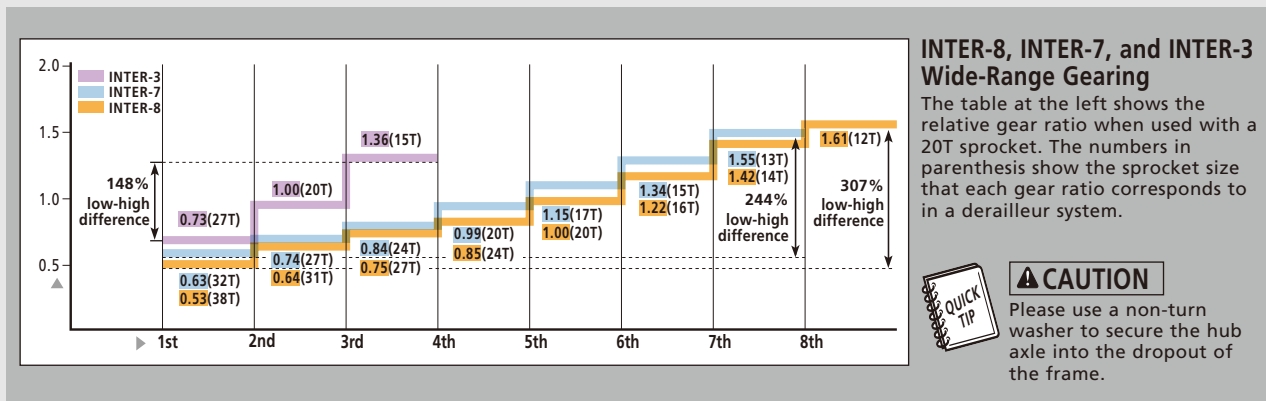
The NEXUS 8-speed system delivers a high level of design, quality and function. Many technical advances have been achieved, like incorporating SHIMANO's unique Gear Change Support mechanism that makes a real low effort shifting.

❖ MAJOR BENEFITS

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



<https://productinfo.shimano.com>



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-C6001-8



SL-C6001-8



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

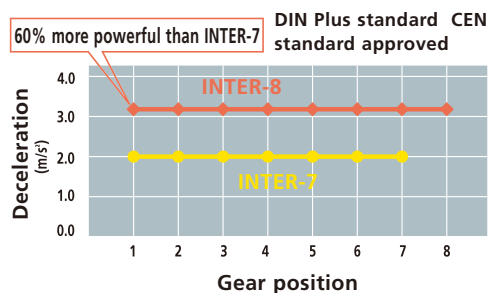
SG-C6061-8D

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



NEW

SL-C6001-8

NEXUS REVOSHIFT SHIFTER 8s

- Easier viewing of the gear number indicator than the current model
- Enhanced finger access compatibility with SHIMANO hydraulic disc brake levers for improved control and comfort
- Consistent actuating force for long-lasting performance

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

SG-C3001-7C-DX

SG-C3001-7C-DX



SL-7S50



SL-C3001-7

SL-C3001-7

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

SL-7S50

RAPIDFIRE PLUS Shifter (7-speed)

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

NEW

SL-C3001-7

NEXUS REVOSHIFT SHIFTER 7s

- Easier viewing of the gear number indicator than the current model
- Enhanced finger access compatibility with SHIMANO hydraulic disc brake levers for improved control and comfort
- Consistent actuating force for long-lasting performance



SG-3R40



Left Hand Dust Cap for use without Roller Brake

SG-3R40

INTER-3 Rear Hub (3-speed)

- **Internal Gear Shifting**
 - » Gear shifting action is independent of pedaling. You can shift gears anytime, while standing still, pedaling or coasting
- **Shift Modulator Mechanism**
 - » Smooths out the shifting action while pedaling
- **Gear Change Support Mechanism**
- **Weight: 885g**
- **Color options: Black, Silver, White**



SG-3C41

SG-3C41

INTER-3 Rear Hub (3-speed)

- **Internal geared hub for Coaster Brake version**
- **Integral Coaster Brake**
- **Gear Change Support Mechanism**
- **Weight: 1,120g**



SL-C2010-3
RAPIDFIRE PLUS Optical Gear Display

SL-C2010-3

SHIMANO NEXUS RAPIDFIRE PLUS Shifter 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-3R40/SG-3C41**



SL-3S41E
SL-3S42E

SL-3S41E

REVOSHIFT Shifter (3-speed)

SL-3S42E

REVOSHIFT Shifter (3-speed)

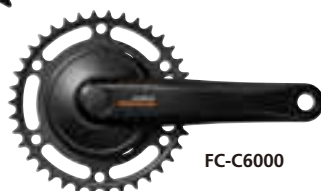
SL-3S35E

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)**



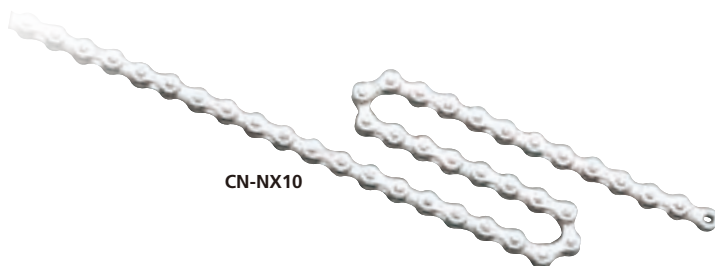
FC-C6000



FC-C6000



BB-UN300



CN-NX10



BR-C6001-F



BR-C6001-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

NEW

BR-C6001-F

NEXUS FRONT HUB ROLLER BRAKE

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » 50% greater braking power (vs. BR-C3001-R)
 - Overachieves EN (130 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with BL-C6010

NEW

BR-C6001-R

NEXUS REAR HUB ROLLER BRAKE

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » 20% greater braking power (vs. BR-C3001-R)
 - Overachieves EN (130 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with BL-C6010

BR-C6000-DX

Highly durable hub roller brake designed for share bikes

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



BR-C6061-F



BR-C6051-F



BR-C6050-F



BR-C3011-F

BR-C3011-R

NEW

BR-C6061-F

NEXUS HUB ROLLER BRAKE FOR FRONT HUB ASSIST MOTOR (100-130kg)

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » POWER MODULATOR integrated hub roller brake for front hub assist motor
 - » Designed for bikes with a total mass of 100 - 130 kg
 - » 50% greater braking power (vs. BR-C3001-R)
 - As with other hub roller brakes, this model requires a wider O.L.D. front fork.
 - » Same braking power and heat dissipation as BR-C6000-F

NEW

BR-C6051-F

NEXUS HUB ROLLER BRAKE FOR FRONT HUB ASSIST MOTOR (70-100kg)

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » POWER MODULATOR integrated hub roller brake for front hub assist motor
 - » Designed for bikes with a total mass of 70 - 100 kg
 - » 50% greater braking power (vs. BR-C3001-R)
 - Same frame requirements as BR-C6060-F

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.

NEW

BR-C3011-F

NEXUS FRONT HUB ROLLER BRAKE

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » 30% greater braking power (vs. BR-C3001-R)
 - Overachieves EN (100 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with BL-C6010
 - » Wide diameter rotor expedites heat dissipation

NEW

BR-C3011-R

NEXUS REAR HUB ROLLER BRAKE

- Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.
 - » Same braking power as BR-C3000
 - Overachieves EN (100 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with BL-C6010
 - » Wide diameter rotor expedites heat dissipation



BR-C3001-F

BR-C3001-R



BR-C3001-F

BR-C3001-R



BR-C3000-F-DX

BR-C3000-R-DX



HP-NX10

NEW
BR-C3001-F

NEXUS FRONT HUB ROLLER BRAKE

- **Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.**
 - » 30% greater braking power (vs. BR-C3001-R)
 - Overachieves EN (100 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with BL-C6010
 - » Standard heat dissipation

NEW
BR-C3001-R

NEXUS REAR HUB ROLLER BRAKE

- **Corrosion-resistant stainless steel outer cap prolongs product life and visual appeal.**
 - » Same braking power as BR-C3000
 - Overachieves EN (100 kg gross weight) for both front and rear braking
 - » Improved braking performance under heavy load by pairing with 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

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

SHIMANO Hub Dynamos



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-3D32

3.0W Disc Brake



DH-F703-S

3.0W

DH-3D37-QR
for Disc Brake

DH-3D32 (QR/NT)
for Disc Brake

- 6 V - 3.0 W
- CENTER LOCK Specification available (DH-3D37)
- 6-Bolt Rotor Specification available (DH-3D32)
- Internal aluminum coil structure
- Overall lighter structure
- Color options: Black, Silver

DH-F703-S
Hub Dynamo (6V-3.0W)

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

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY TZ
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

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 CENTER 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

- 6 V - 3.0 W: 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

SHIMANO Hub Dynamos

Complete Range for Variety of Usage

Standard	V-BRAKE	Disc Brake	Roller Brake
3.0W	 QR NUT DH-C3000-3N • 16"-28" wheel • 400-716 mm wheel	 QR DH-3D37 • CENTER LOCK rotor mount • 16"-28" wheel • 400-716 mm wheel	
	 QR DH-F703-5 • SHIMANO logo • 16"-20" wheel • 400-536 mm wheel	 QR NUT DH-3D32 • 6-bolt rotor mount • 16"-28" wheel • 400-716 mm wheel	
2.4W	 QR NUT DH-C3000-2N • 16"-28" wheel • 400-716 mm wheel		 NUT DH-C6000-2R • 26"-28" wheel • 646-716 mm wheel
1.5W	 QR DH-T4000-1N • 18"-28" wheel • 448-716 mm wheel	 QR DH-T4050-1D • 18"-28" wheel • 448-716 mm wheel	 NUT DH-C6000-1R • 16"-28" wheel • 646-716 mm wheel

SHIMANO Hub Dynamos

QR Quick Release
NUT Nut Type
ET E-THRU

Sports	V-BRAKE	Disc Brake	Roller Brake
3.0W	 QR DH-T670-3N • 26"-28" wheel 646-716 mm wheel	 ET DH-UR708-3D • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel • 15 mm E-THRU type	
	 QR DH-3N72 • 26"-28" wheel 646-716 mm wheel	 ET DH-UR705-3D • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel • 12 mm E-THRU type	
		 QR DH-UR700-3D • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel	
		 QR DH-S501 • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel	
		 QR DH-3D72 • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel	
		 QR DH-T675 • CENTER LOCK rotor mount • 26"-28" wheel 646-716 mm wheel	

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 shifter with easy to see and recognize OPTICAL GEAR DISPLAY
- Sustainable driving system with integrated design of chain guard



<https://productinfo.shimano.com>



SL-T8000



SL-T8000



SL-T8000

RAPIDFIRE PLUS Shifter (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
- Total capacity: 22T
- Weight: 169 g (FD-T8000-H-3), 155 g (FD-T8000-L-3), 155 g (FD-T8000-L-6)



RD-T8000
SHIMANO SHADOW RD

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
I-spec II

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
ICE TECHNOLOGIES
ONE WAY BLEEDING

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
ICE TECHNOLOGIES
Four Piston

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



<https://productinfo.shimano.com>



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)



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

BB-MT501

Bottom Bracket

- High driving efficiency
 - » Better sealing and rotation (BB-MT501)



BB-MT500-P



BB-MT501

SHIMANO DEORE For Trekking Bikes



CS-HG500-10
HG-X



BL-T6000
I-spec II



BL-T6000
I-spec II



BR-M6000
ONE WAY BLEEDING

BR-M6000
ONE WAY BLEEDING



BL-T610



HB-M6000



FH-M6000

CS-HG500-10

HG Cassette (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-T6000

Hydraulic Disc Brake Lever

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

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

- 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-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

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



<https://productinfo.shimano.com>



FC-T4060



FC-T4060

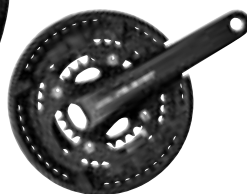
Crankset (3x9-speed)

BB-MT501

Bottom Bracket



BB-MT501



FC-T4060



FC-T4010

OCTALINK Crankset (3x9-speed)

BB-ES300

OCTALINK Bottom Bracket

- Smooth and precise shifting performance with HYPERDRIVE technology
 - » Two options available, 2-PIECE CRANKSET construction (T4060) and OCTALINK (T4010)
 - » 44-32-22T/48-36-26T spec available
- Quiet shifting operation by reduction of driving noise (48T)
- Chain case compatible
- With or without chain guard
- ALIVIO logo (T4060), SHIMANO logo (T4010)
- Better sealing performance (BB-MT501)
- Color options: Black, Silver



FC-T4010



BB-ES300



FC-T4010



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 (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

SHIMANO **ACERA** For Trekking Bikes

FREE TO WANDER

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

❖ MAJOR BENEFITS

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



<https://productinfo.shimano.com>



FD-T3000-TS3



FC-T3010



BB-ES300



RD-T3000-SGS



RD-T3000-SGS

FD-T3000-TS3/TS6

TOP SWING Front Derailleur (3x9-speed)

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

FC-T3010

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

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**

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

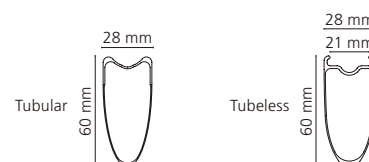
CFRP TUBULAR (E-THRU)

CFRP TUBELESS (E-THRU)

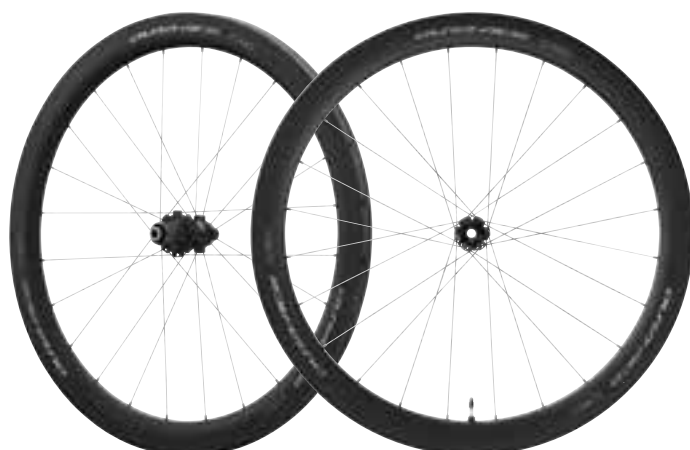
WH-R9270-C60-HR

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



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	667 g	770 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

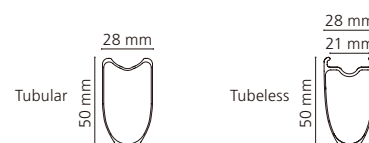
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CFRP TUBELESS (E-THRU)

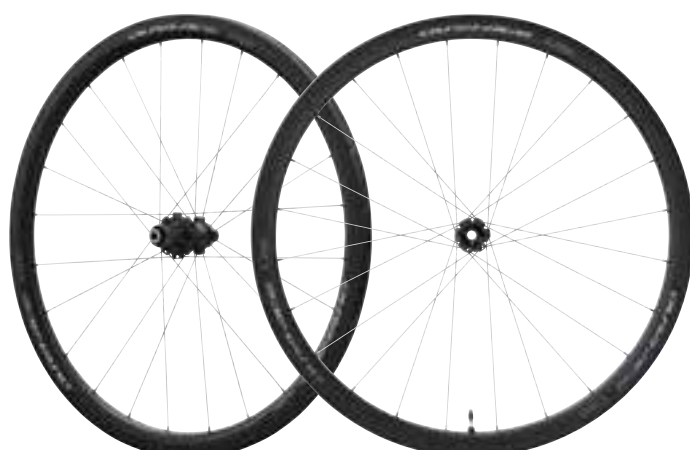
WH-R9270-C50

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



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	610 g	723 g
WH-R9270-C50-TL	Tubeless	12 mm E-THRU	CFRP	12-speed	142 mm	674 g	787 g



WH-R9270-C36-TU

WH-R9270-C36-TL

DURA-ACE

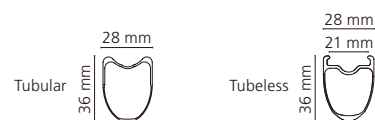
CFRP TUBULAR (E-THRU)

CFRP TUBELESS (E-THRU)

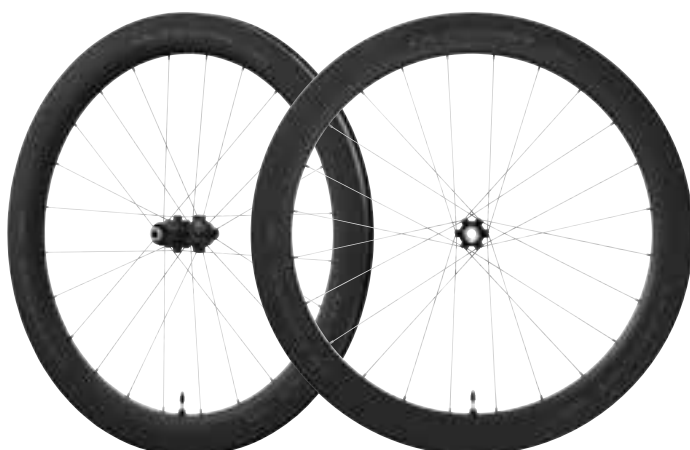
WH-R9270-C36

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



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	522 g	632 g
WH-R9270-C36-TL	Tubeless	12 mm E-THRU	CFRP	12-speed	142 mm	620 g	730 g



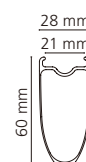
SHIMANO ULTEGRA

CFRP TUBELESS (E-THRU)

WH-R8170-C60

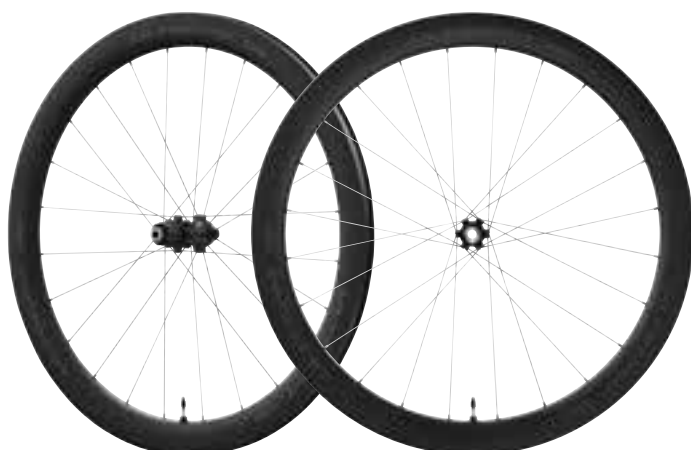
C60 Tubeless Disc Brake Wheel

- 60 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with R9200 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	738 g	911 g

Road Wheels for Disc Brake



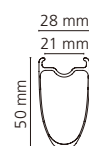
SHIMANO
ULTEGRA

CFRP TUBELESS (E-THRU)

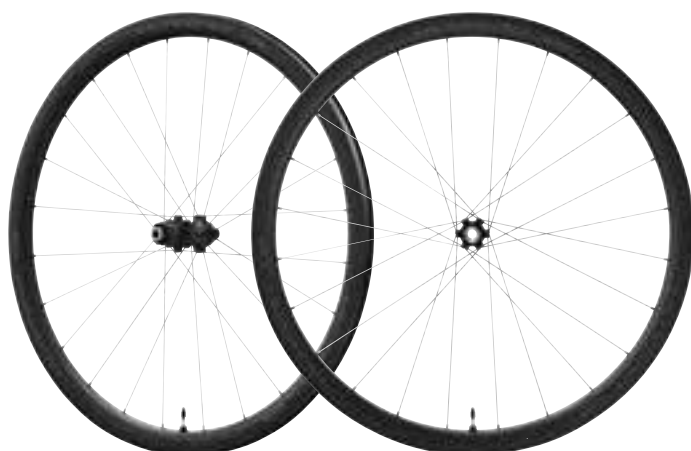
WH-R8170-C50

C50 Tubeless Disc Brake Wheel

- 50 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with R9200 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	698 g	872 g



SHIMANO
ULTEGRA

CFRP TUBELESS (E-THRU)

WH-R8170-C36

C36 Tubeless Disc Brake Wheel

- 36 mm height full carbon rim
- Internal rim width: 21 mm
- Shared rim profile with R9200 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	657 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 TUBELESS FOR DISC BRAKE

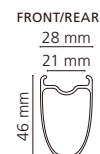
WH-RS710-C46-TL-F

SHIMANO C46 Tubeless Disc Brake Wheel Front

WH-RS710-C46-TL-R

SHIMANO C46 Tubeless Disc Brake Wheel Rear

- Simple design that can be easily matched to any bike
- Most affordable SHIMANO carbon road wheel
- 46 mm height full carbon rim
- Internal rim width: 21 mm
- Road 11 & 12-speed compatible



WH-RS710-C46-TL

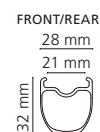
WH-RS710-C32-TL-F

SHIMANO C32 Tubeless Disc Brake Wheel Front

WH-RS710-C32-TL-R

SHIMANO C32 Tubeless Disc Brake Wheel Rear

- Simple design that can be easily matched to any bike
- Most affordable SHIMANO carbon road wheel
- 32 mm height full carbon rim
- Internal rim width: 21 mm
- Road 11 & 12-speed compatible



WH-RS710-C32-TL

MODEL NO.	TIRE TYPE	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT	
						FRONT	REAR
WH-RS710-C46-TL	Tubeless	12 mm E-THRU	CFRP	12/11-speed	142 mm	719 g	893 g
WH-RS710-C32-TL	Tubeless	12 mm E-THRU	CFRP	12/11-speed	142 mm	665 g	839 g

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**



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

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

Road Wheels for Disc Brake



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
 - » 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



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	653 g	796 g

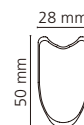
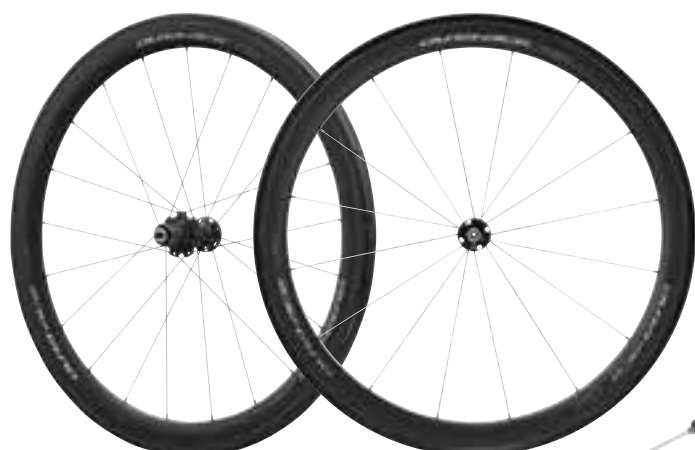
DURA-ACE

CFRP TUBULAR

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



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	586 g	723 g

DURA-ACE

CFRP TUBULAR

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



ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE
ULTEGRA
SHIMANO 105
TIAGRA
SORA
CLARIS
DURA-ACE TRACK
SHIMANO Series
GRX
XTR
DEORE XT
SLX
DEORE
SAINT
ALIVIO
ACERA 9-speed
ALTUS 9-speed
SHIMANO Series
CUES
ESSA
ACERA ALTUS 8/7s
TOURNEY A070
TOURNEY TX
TOURNEY T2
TOURNEY
SHIMANO A050
SHIMANO Series
ALFINE
NEXUS
Hub Dynamo
DEORE XT
DEORE
ALIVIO
ACERA

Road Wheels



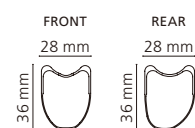
DURA-ACE

CFRP TUBULAR

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



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	602 g	684 g



ROAD TUBELESS

WH-RS500

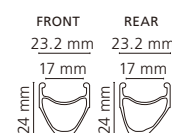
Race technology for everyday riding

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

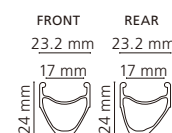


FRONT/REAR
Rim height: 24 mm
Rim width: 20.8 mm

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



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



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	827 g	1,105 g



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

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

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

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

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY TZ

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

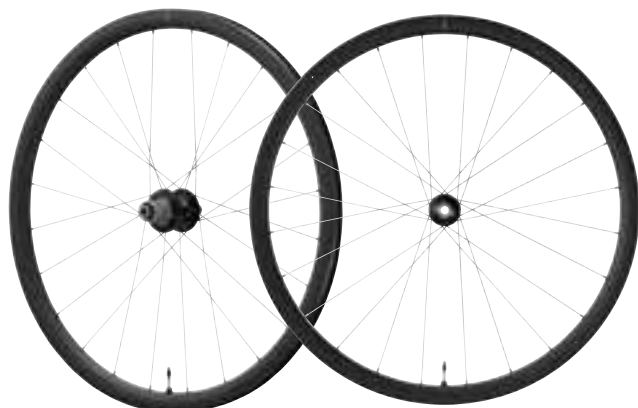
DEORE XT

DEORE

ALIVIO

ACERA

Gravel Wheels



SHIMANO
GRX

TUBELESS

WH-RX880-TL-F

Carbon Tubeless Disc Brake Wheel Front

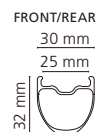
WH-RX880-TL-R

Carbon Tubeless Disc Brake Wheel Rear

- 32 mm full carbon rim
- Recommended tire size: 32-622 - 50-622
- Two replaceable freewheel body options
 - » HG spline L2 and MICRO SPLINE
- Modern 25 mm inner rim width
- 24 J-bend spokes front and rear



E-Thru
Axle



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-RX880-TL-F12-700C	Tubeless	Front	E-THRU	Carbon	-	100 mm	635 g
WH-RX880-TL-R12-700C	Tubeless	Rear	E-THRU	Carbon	12-speed	142 mm	762 g (HG-spline L2) 759 g (MICRO SPLINE)



SHIMANO
GRX

TUBELESS

WH-RX870-TL-F

SHIMANO GRX Tubeless Disc Brake Wheel Front

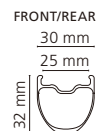
WH-RX870-TL-R

SHIMANO GRX Tubeless Disc Brake Wheel Rear

- First SHIMANO GRX carbon wheel
- 32 mm height full carbon rim
- Internal rim width: 25 mm
- Recommended tire size: 32-622 - 50-622
- Road 11 & 12-speed compatible



E-Thru
Axle



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-RX870-TL-F12-700C	Tubeless	Front	E-THRU	Carbon	-	100 mm	639 g
WH-RX870-TL-R12-700C	Tubeless	Rear	E-THRU	Carbon	12/11-speed	142 mm	822 g



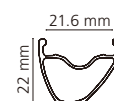
SHIMANO
GRX

TUBELESS

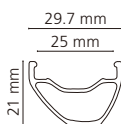
WH-RX570-TL

Gravel Specific Wheelset

- **Gravel-tuned wheelset**
 - » Wide tubeless rim limits flex tire under hard cornering
 - 21.6 mm inner width rim
 - » 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



MODEL NO.	TIRE TYPE	FRONT/REAR	FIXING METHOD	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-RX180-TL-F12-700C	Tubeless	Front	E-THRU	Aluminum	-	100 mm	908 g
WH-RX180-TL-R12-700C	Tubeless	Rear	E-THRU	Aluminum	12-speed	142 mm	1,197 g (HG spline L) 1,205 g (MICRO SPLINE)

SHIMANO
GRX

TUBELESS

NEW

WH-RX180-TL-F12-700C

TUBELESS ALUMINUM WHEEL FRONT

- » Fully-featured, value-friendly aluminum gravel wheels
- » 25 mm internal rim width for tires up to 50 mm wide
- » Value-packed aluminum, hooked tubeless rims

NEW

WH-RX180-TL-R12-700C

TUBELESS ALUMINUM WHEEL REAR

- » Fully-featured, value-friendly aluminum gravel wheels
- » Replaceable freehub body – switches between MICRO SPLINE and HG spline L
- » 25 mm internal rim width for tires up to 50 mm wide
- » Value-packed aluminum, hooked tubeless rims

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
PEDAL

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

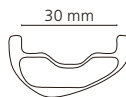
MTB Wheels



DIRECT
ENGAGEMENT



E-Thru
Axle



MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9220-TL-F15-B-29	Tubeless ready	Front	15 mm E-THRU	29"	Carbon	-	110 mm	840 g
WH-M9220-TL-R12-B-29	Tubeless ready	Rear	12 mm E-THRU	29"	Carbon	12-speed	148 mm	951 g

XTR

TUBELESS READY

29"

NEW

WH-M9220-TL-F15-B-29

XTR 29 110X15 MM ENDURO WHEEL FRONT

- » Conventional Drilling/Boost Spacing: Available in conventional 29-inch, 110x15 front hub boost spacing and traditional 28H drilling option.
- » Cartridge Bearings: XTR hubs are now available with easily serviceable stainless steel cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.

NEW

WH-M9220-TL-R12-B-29

XTR 29 148X12 MM ENDURO WHEEL REAR

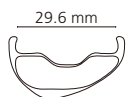
- » Quicker Engagement/Less Drag: A 3.5-degree engagement angle makes FH-M9210-B fast off the line, while smart seal design and smooth bearings mean less drag while coasting.
- » Conventional Drilling/Boost Spacing: Available in conventional 29-inch, 148x12 rear hub boost spacing and traditional 28H drilling option.
- » Cartridge Bearings: XTR hubs are now available with easily serviceable stainless steel cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.



DIRECT
ENGAGEMENT



E-Thru
Axle



MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M9200-TL-F15-B-29	Tubeless ready	Front	15 mm E-THRU	29"	Carbon	-	110 mm	517 g
WH-M9200-TL-R12-B-29	Tubeless ready	Rear	12 mm E-THRU	29"	Carbon	12-speed	148 mm	640 g

XTR

TUBELESS READY

29"

NEW

WH-M9200-TL-F15-B-29

XTR 29 110X15 MM XC WHEEL FRONT

- » Carbon Rim: 29.6 mm full-carbon rim keeps the wheel light but robust enough for high-level XC racing.
- » Titanium Spokes/24H Straightlaced: 29-inch rims, 110x15 front hub boost spacing and titanium spokes balance weight and strength.
- » Cartridge Bearings: XTR hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.

NEW

WH-M9200-TL-R12-B-29

XTR 29 148X12 MM XC WHEEL REAR

- » Carbon Rim: 29.6 mm full-carbon rim keeps the wheel light but robust enough for high-level XC racing.
- » Titanium Spokes/24H Straightlaced: 29-inch rims, 148x12 rear hub boost spacing and titanium spokes balance weight and strength.
- » Quicker Engagement/Less Drag: A 3.5-degree engagement angle makes the FH-M9210-B fast off the line, while smart seal design and smooth bearings mean less drag when coasting.
- » Cartridge Bearings: XTR hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the hub consistently rolling smoothly.

DEORE **XT**

TUBELESS READY

29" | 27.5"

NEW

WH-M8200-TL-F15-B-29

DEORE XT 29 110X15 MM WHEEL FRONT

NEW

WH-M8200-TL-F15-B-275

DEORE XT 27.5 110X15 MM WHEEL FRONT

- » Durable Construction: Balanced compliance and stiffness for a responsive, reliable ride.
- » Versatility: Choose from 27.5- or 29-inch rims, both with 110x15 front hub boost spacing and conventional 28H structure, for a one-wheel-fits-all option.
- » Cartridge Bearings: DEORE XT hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs, and preload adjust keep the WH-M8200 consistently rolling smoothly.

NEW

WH-M8200-TL-R12-B-29

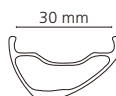
DEORE XT 29 148X12 MM WHEEL REAR

NEW

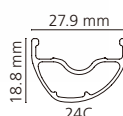
WH-M8200-TL-R12-B-275

DEORE XT 27.5 148X12 MM WHEEL REAR

- » Durable Construction: Balanced compliance and stiffness for a responsive, reliable ride.
- » Versatility: Choose from 27.5- or 29-inch rims, both with 148x12 rear hub boost spacing and conventional 28H structure, for a one-wheel-fits-all option.
- » Quicker Engagement/less drag: A 3.5-degree engagement angle makes the FH-M8210-B fast off the line, while smart seal design and smooth bearings mean less drag when coasting.
- » Cartridge Bearings: DEORE XT hubs are now available with easily serviceable cartridge bearings.
- » Rotation: Cartridge bearings, optimized seal designs and preload adjust keep the WH-M8200 consistently rolling smoothly.

DIRECT
ENGAGEMENT**E-Thru
Axle**

MODEL NO.	TIRE TYPE	FRONT/ REAR	FIXING METHOD	WHEEL SIZE	RIM MATERIAL	REAR SPEED	REAR O.L.D.	WEIGHT
WH-M8200-TL-F15-B-29	Tubeless ready	Front	15 mm E-THRU	29"	Aluminum	-	110 mm	931 g
WH-M8200-TL-R12-B-29	Tubeless ready	Rear	12 mm E-THRU	29"	Aluminum	12-speed	148 mm	1,052 g
WH-M8200-TL-F15-B-275	Tubeless ready	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	877 g
WH-M8200-TL-R12-B-275	Tubeless ready	Rear	12 mm E-THRU	27.5"	Aluminum	12-speed	148 mm	997 g

OFFSET
RIM

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

SHIMANO
DEORE **XT**

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

DURA-ACE

ULTEGRA

SHIMANO 105

TIAGRA

SORA

CLARIS

DURA-ACE TRACK

SHIMANO Series

GRX

XTR

DEORE XT

SLX

DEORE

SAINT

ALIVIO

ACERA 9-speed

ALTUS 9-speed

SHIMANO Series

CUES

ESSA

ACERA ALTUS 8/7s

TOURNEY A070

TOURNEY TX

TOURNEY T2

TOURNEY

SHIMANO A050

SHIMANO Series

ALFINE

NEXUS

Hub Dynamo

DEORE XT

DEORE

ALIVIO

ACERA

MTB Wheels



SHIMANO
DEORE XT

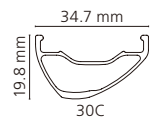
TUBELESS

29" | 27.5"

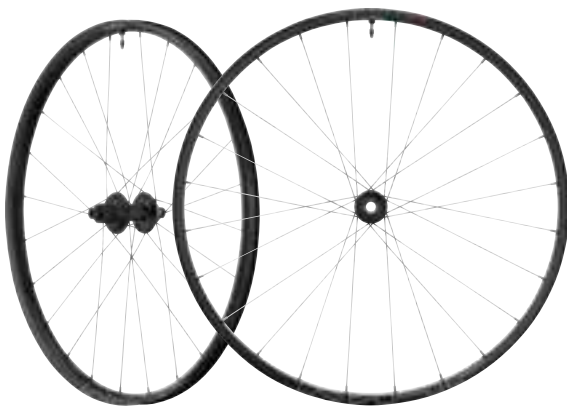
WH-M8120-TL

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**



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



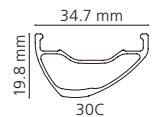
TUBELESS

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**



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-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	940 g
WH-MT620-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,184 g

High rigidity performance by E-THRU stiff axle system

12mm rear E-THRU axle I-type
(O.L.D. 142 mm) **AX-MT700** 75g
(O.L.D. 148 mm) **AX-MT700** 76g
SM-AX58 81g **SM-AX58-B** 82g

12mm rear E-THRU axle
(O.L.D. 142 mm) **SM-AX56** 75g
(O.L.D. 148 mm) **SM-AX56-B** 77g



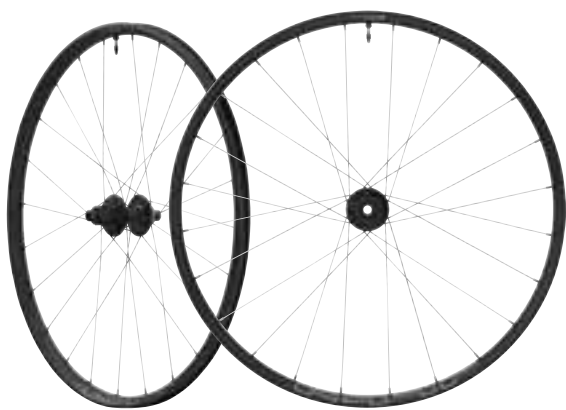
AX-MT700

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



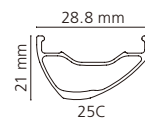
TUBELESS

29" | 27.5"

WH-MT601-TL-29/-275

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



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-F15-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	883 g
WH-MT601-TL-F15-B-275	Tubeless	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	893 g
WH-MT601-TL-R12-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	142 mm	1,195 g
WH-MT601-TL-R12-B-275	Tubeless	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,204 g

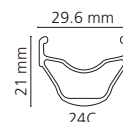
CLINCHER

29" | 27.5"

WH-MT500-CL

Wider and Lighter MTB Wheelset

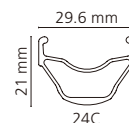
- SHIMANO Performance MTB wheel for everyone
 - » Pricepoint : -20% vs WH-MT15 (depends on spec.)
- Wider and lighter
 - » 24C wide-profile rim for more tire rigidity and traction optimized for trail riding
 - » More than 100 g lighter (per bike vs. WH-MT15)



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)



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-275	Clincher	Front	Quick Release	27.5"	Aluminum	-	100 mm	962 g
WH-MT500-CL-F15-275	Clincher	Front	15 mm E-THRU	27.5"	Aluminum	-	100 mm	936 g
WH-MT500-CL-F15-B-275	Clincher	Front	15 mm E-THRU	27.5"	Aluminum	-	110 mm	946 g
WH-MT500-CL-R-275	Clincher	Rear	Quick Release	27.5"	Aluminum	MTB 11-speed 10/9/8-speed	135 mm	1,147 g
WH-MT500-CL-R12-275	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-275	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-275	Clincher	Rear	12 mm E-THRU	27.5"	Aluminum	MTB 12-speed	148 mm	1,185 g

ROAD
GRAVEL
MTB
LIFESTYLE
WHEEL
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ALFINE

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Hub Dynamo

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DEORE

ALIVIO

ACERA

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

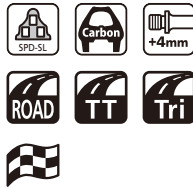
THE LIGHTEST, MOST EFFICIENT DURA-ACE PEDAL EVER CREATED

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

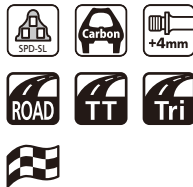
LIGHTWEIGHT, PRO LEVEL PERFORMANCE FOR THE ENTHUSIAST RIDER

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
- Adjustable entry and release tension settings
- The SHIMANO style, quality and durability cyclists value
- 4 mm longer axle available

WEIGHT

- 248 g



SHIMANO 105

PD-R7000

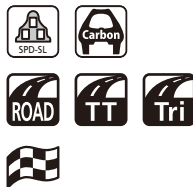
VERSATILE AND LIGHTWEIGHT SPD-SL PEDALING PERFORMANCE FOR SERIOUS RIDERS

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
- Adjustable entry and release tension settings
- Trusted SHIMANO design, quality, and performance

WEIGHT

- 265 g



SHIMANO Pedals

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
- 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



PD-M8100-UG

LIMITED EDITION GRX PEDALS FEATURING UNITED IN GRAVEL GRAPHICS

FEATURES

- Large pedal platform
- Lower platform height for pedaling stability
- Robust retention claws provide smooth entry and release
- Rider adjustable entry and release tension settings
- Durable chrome-moly spindle with an 8 mm hexagon wrench mount

WEIGHT

- 342 g



XTR

PD-M9120

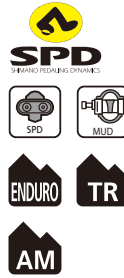
WIDER AND LONGER CONTACT AREA, BETTER MUD CLEARANCE, AND IMPROVED DURABILITY FOR MORE CONTROL AND RELIABILITY

FEATURES

- Extra long and wide pedal-to-shoe contact area
- 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



XTR

NEW

PD-M9200

XTR DUAL-SIDED SPD PEDAL TUNED FOR CROSS COUNTRY AND CYCLO-CROSS

FEATURES

- Rounded contact area for stability and mud shedding
- Low platform height for pedaling stability
- Slimmer, weight-optimized axle with 2 length options
- Pair with XC903 or RX801 shoes for optimal stability and performance

WEIGHT

- 316 g Short Axle
- 318 g Normal Axle



XTR

NEW

PD-M9220

XT DUAL-SIDED SPD PEDAL FOR ENDURO AND TRAIL RIDING

FEATURES

- Wider contact area for enhanced bike control (vs. M9120)
- Raised platform improves pedal-to-shoe contact
- Four traction pins per side improve grip when not clipped in
- Pair with our CL-MT001 Trail/Enduro-tuned cleat for even easier clipping in
- Robust seal design ensures the pedals keep working flawlessly
- Pair with GE shoes for optimal stability and performance
- Compatible with existing SPD cleats*
- *Cleat spacers may be required depending on the shoe model

WEIGHT

- 435 g



SHIMANO Pedals



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

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



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
- Pedal body protects binding mechanism against impacts
- Robust retention claws provide smooth engagement and release
- Adjustable entry and release tension settings

WEIGHT

- 546 g



SHIMANO Pedals



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



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

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
- 6 mm hexagon wrench mount
- 139 g lighter than PD-GR500
- Best combination with SHIMANO GF series shoes

WEIGHT

- 394 g



Black
PD-GR400



Blue
PD-GR400



Red
PD-GR400



Purple
PD-GR400



Orange
PD-GR400



Green
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

SHIMANO Pedals

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

PD-EF102

AFFORDABLE FLAT PEDAL FOR EVERYDAY RIDING

FEATURES

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

WEIGHT

- 400 g



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



SHIMANO Pedals

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
- Durable Chrome-moly axle and low-maintenance sealed bearings
- Integrated reflector for safety
- SM-SH56 multi-directional release cleat included

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-M8040

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

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



CLIPLESS SIDE
Dual

EASY IDENTIFICATION OF EACH SHOE AND PEDAL RECOMMENDED USE



ON ROAD



TIME TRIAL



TRIATHLON



COMPETITION



CYCLO CROSS



GRAVEL



FLAT HANDLE BAR/
ROAD BIKE



XC RACE



CROSS COUNTRY



ENDURO



TRAIL



CITY BIKE



FREE RIDE



DOWN HILL



BMX



TREKKING



CASUAL MTB



ALL MOUNTAIN

MTB

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SPECIFICATIONS



Shift Switch

Series		XTR	XTR	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		SW-M9250-R	SW-M9250-IR	SW-M8250-R	SW-M8250-IR	SW-M8150-R	SW-M8150-IR
Switch type		Adjustable lever position	Adjustable lever position	Adjustable lever position	Adjustable lever position	Adjustable lever position	Adjustable lever position
Position		Clamp band	I-SPEC EV	Clamp band	I-SPEC EV	Clamp band	I-SPEC EV
Di2 connectivity wired	Di2 shifting	-	-	-	-	X	X
	Di2 shifting	X	X	X	X	-	-
Button numbers (pcs)		3	3	3	3	3	3
Master unit		-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		-	-	-	-	X	X
SD50 port (pcs)		0	0	0	0	0	0
SD300 port (pcs)		0	0	0	0	1	1
SD50 connector (pcs)		0	0	0	0	0	0
SD300 connector (pcs)		0	0	0	0	0	0
Switch1	Default function		RD outward	RD outward	RD outward	RD outward	RD outward
	Multiple input	2 step	X	X	X	-	-
		Hold	X	X	X	X	X
	Adjustable lever position		Forward/backward, upward/downward	Forward/backward, upward/downward	Forward/backward, upward/downward	X	X
Switch2	Default function		RD inward	RD inward	RD inward	RD inward	RD inward
	Multiple input	2 step	X	X	X	-	-
		Hold	X	X	X	X	X
	Adjustable lever position		Forward/backward, upward/downward	Forward/backward, upward/downward	Forward/backward, upward/downward	X	X
Switch3	Default function		Shifting/Adj. mode	Shifting/Adj. mode	Shifting/Adj. mode	Auto on/off	Auto on/off
	Multiple input	2 step	-	-	-	-	-
		Hold	X	X	X	X	X
	Suspension switch		-	-	-	-	-
Battery		CR1632 x 2	CR1632 x 2	CR1632 x 2	CR1632 x 2	-	-
LED	Shimano system status		X	X	X	-	-
Average weight (g)						81	77
Note							

Series		DEORE XT	DEORE XT	DEORE	DEORE
Model no.		SW-M8050-R	SW-M8050-L	SW-M6250-R	SW-M6250-IR
Switch type		FIREBOLT	FIREBOLT	-	-
Position		Clamp band, Right	Clamp band, Left	Clamp band	I-SPEC EV
Di2 connectivity wired	Di2 shifting	X	X	-	-
	Di2 shifting	-	-	X	X
Button numbers (pcs)		2	2	3	3
Master unit		-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	-	-
SD50 port (pcs)		1	1	0	0
SD300 port (pcs)		0	0	0	0
SD50 connector (pcs)		0	0	0	0
SD300 connector (pcs)		0	0	0	0
Switch1	Default function		RD outward	FD outward	RD outward
	Multiple input	2 step	-	-	-
		Hold	X	-(X)	X
	Adjustable lever position		-	-	-
Switch2	Default function		RD inward	FD inward	RD inward
	Multiple input	2 step	-	-	-
		Hold	X	-(X)	X
	Adjustable lever position		-	-	-
Switch3	Default function		-	-	Shifting/Adj. mode
	Multiple input	2 step	-	-	-
		Hold	-	X	X
	Suspension switch		-	-(X)	-
Battery		-	-	CR1632 x 2	CR1632 x 2
LED	Shimano system status		-	-	X
Average weight (g)		93	93	-	-
Note			* User can use it for rear derailleur multishift ** User can use it for Suspension control	-	-

Rear Derailleur

Series		XTR	XTR	XTR	XTR	XTR	DEORE XT
Model no.		RD-M9250-GS	RD-M9250-SGS	RD-M9260-12	RD-M9260-11L	RD-M9050-SGS	RD-M8250-GS
Color	1	-	-	-	-	-	-
	2	-	-	-	-	-	-
Rear speeds		12	12	12	11	11	12
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 12-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-
	SHIMANO SHADOW RD+		-	-	-	X	-
	Double servo		-	-	-	-	-
	SHADOW ES		X	X	X	-	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	X	-
		Direct mount	-	-	-	X	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	UDH standard		X	X	X	-	X
Mode converter		-	-	-	-	-	-
Cable adjuster		-	-	-	-	-	-
Max. front difference		0T	0T	0T	0T	18T	0T
Total capacity		36T	41T	41T	39T	41T**	36T
Low sprocket	Max.	45T	51T	51T	50T	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	45T
	Min.	45T	51T	51T	50T	40T	45T
Top sprocket	Max.	10T	10T	10T	11T	11T	10T
	Min.	9T	10T	10T	11T	11T	9T
Fluoric coated link bushings		8	8	8	8	4	8
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	11T	13T
	Sunken type pulley screw		X	X	X	X	X
B-axle	Hollow axle		X	X	X	X	X
B-axle 2	Hollow axle		-	-	-	X	-
Di2 connectivity wired	Di2 shifting		-	-	X	X	-
	Di2 shifting		X	X	X	-	X
Di2 connectivity wireless	Bluetooth® LE	Cycling power	-	-	-	-	-
		ANT+	-	-	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	X	X	X	-	X
		Di2 battery level	X	X	-	-	X
		Gear position	X	X	X	-	X
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	X
		Compatible with E-TUBE RIDE	X	X	X	-	X
		Compatible with E-TUBE PROJECT	X	X	X	-	X
	ANT private (*2)	Adjust mode information	X	X	X	-	X
		Di2 battery level	X	X	-	-	X
		Gear position	X	X	X	-	X
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	X
	SD50 port (pcs)		0	0	0	1	0
	SD300 port (pcs)		0	0	1 *	0	0
	SD50 connector (pcs)		0	0	0	0	0
	SD300 connector (pcs)		0	0	0	0	0
	LED for system status		X	X	X	-	X
Power supply	Built-in battery		X	X	-	-	X
	Wired		-	-	X	X	-
Charging port		-	-	-	-	-	-
Charging cable		-	-	-	-	-	-
Average weight (g)						295	
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.				* Compatible with EW-PS300	* Compatible with EW-PS300	* w/o Bracket spec available. ** The Di2 system limits cross chain to prevent a chain from getting loose.	

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW 

RD 

FD 

SMAD 

SC 

SL 

SLMT/ SMSL 

BL 

RD 

FD 

BR 

BR 

FC 

SMCD/ SMCR 

BB 

CS 

HB 

FH 

WH 

CI-DECK 

Rear Derailleur

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			RD-M8250-SGS	RD-M8260-12	RD-M8260-11L	RD-M8150-12	RD-M8150-11	RD-M8050-GS
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Rear speeds			12	12	11	12	11	11
Compatible chain			HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-	-
	SHIMANO SHADOW RD+		-	-	-	X	X	X
	Double servo		-	-	-	-	-	-
	SHADOW ES		X	X	X	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	X	X	X
		Direct mount	-	-	-	-	-	X
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
		UDH standard		X	X	X	X	X
Mode converter			-	-	-	-	-	-
Cable adjuster			-	-	-	-	-	-
Max. front difference			0T	0T	0T	0T	0T	10T
Total capacity			41T	41T	39T	41T	39T	35T **
Low sprocket	Max.		51T	51T	50T	51T	50T	42T (2x11-speed), 46T (1x11-speed)
	Min.		51T	51T	50T	51T	50T	
Top sprocket	Max.		10T	10T	11T	10T	11T	11T
	Min.		10T	10T	11T	10T	11T	11T
Fluoric coated link bushings			8	8	8	3	3	4
Pulley	Guide pulley bearing		Sealed bearing	Sealed bearing	Sealed bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	Tension pulley bearing		Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
	Teeth		13T	13T	13T	13T	13T	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
Di2 connectivity wired	Di2 shifting		-	X	X	X	X	X
Di2 connectivity wireless	Bluetooth® LE	Di2 shifting	X	X	X	-	-	-
		Cycling power	-	-	-	-	-	-
	ANT+	Bicycle power	-	-	-	-	-	-
		Adjust mode information	X	X	X	-	-	-
	Bluetooth® LE custom (*1)	Di2 battery level	X	-	-	-	-	-
		Gear position	X	X	X	-	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	-	-
		Compatible with E-TUBE RIDE	X	X	X	-	-	-
		Compatible with E-TUBE PROJECT	X	X	X	-	-	-
		Adjust mode information	X	X	X	-	-	-
	ANT private (*2)	Di2 battery level	X	-	-	-	-	-
		Gear position	X	X	X	-	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	-	-
		SD50 port (pcs)	0		0	0	0	0
	SD300 port (pcs)	0		1 *	1 *	1	1	0
SD50 connector (pcs)	0		0	0	0	0	0	
SD300 connector (pcs)	0		0	0	0	0	0	
LED for system status			X	X	X	-	-	-
Power supply	Built-in battery		X	-	-	-	-	-
	Wired		-	X	X	X	X	X
Charging port			-	-	-	-	-	-
Charging cable			-	-	-	-	-	-
Average weight (g)						375	375	319
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.				* Compatible with EW-PS300	* Compatible with EW-PS300	RD-M8150 is only for E-BIKE	RD-M8150 is only for E-BIKE	* w/o Bracket spec available. ** The Di2 system limits cross chain to prevent a chain from getting loose.

Rear Derailleur

Series		DEORE	DEORE	DEORE
Model no.		RD-M6250-SGS	RD-M6260-12	RD-M6260-11L
Color	1	Series color	Series color	Series color
	2	-	-	-
Rear speeds		12	12	11
Compatible chain		HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		-	-
	SHIMANO SHADOW RD+		-	-
	Double servo		-	-
	SHADOW ES		X	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-
		Direct mount	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-
		Direct mount	-	-
	UDH standard		X	X
Mode converter		-	-	-
Cable adjuster		-	-	-
Max. front difference		0T	0T	0T
Total capacity		41T	41T	39T
Low sprocket	Max.	51T	51T	50T
	Min.	51T	51T	50T
Top sprocket	Max.	10T	10T	11T
	Min.	10T	10T	11T
Fluoric coated link bushings		8	8	8
Pulley	Guide pulley bearing		Sealed Bearing	Sealed Bearing
	Tension pulley bearing		Sealed bearing	Sealed bearing
	Teeth		13T	13T
	Sunken type pulley screw		X	X
B-axle	Hollow axle		X	X
B-axle 2	Hollow axle		-	-
Di2 connectivity wired	Di2 shifting		-	X
	Di2 shifting		X	X
Di2 connectivity wireless	Bluetooth® LE	Cycling power	-	-
		ANT+	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	X	X
		Di2 battery level	X	-
		Gear position	X	X
		SHIMANO E-BIKE SYSTEMS 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	-
		Gear position	X	X
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X
	SD50 port (pcs)		0	0
	SD300 port (pcs)		0	1 *
	SD50 connector (pcs)		0	0
	SD300 connector (pcs)		0	0
	LED for system status		X	X
Power supply	Built-in battery		X	-
	Wired		-	X
	Charging port		-	-
Charging cable		-	-	-
Average weight (g)		-	-	-
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.		-	* Compatible with EW-PS300	* Compatible with EW-PS300

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Front Derailleur

Series			DEORE XT
Model no.			FD-M8070
Color	1		Series color
	2		-
Front speeds			2
Rear speeds			11
Compatible chain			LINKGLIDE, HG 11-speed
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.

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
Master unit		-
Wireless system		ANT private *, Bluetooth®LE
Firmware update by E-TUBE PROJECT		X
SD50 port (pcs)		3
SD300 port (pcs)		0
SD50 connector (pcs)		0
SD300 connector (pcs)		0
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
	Battery charge level	X
Setting function	Shifting adjust	X
For Di2 system	Shifting adjust indicator	X
	System diagnosis	X
	Charging port for built-in battery	X
	Compatible charger	SM-BCR2
	SYNCHRONIZED SHIFT mode change	X
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.

Shifter

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
Color	1	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
Front speeds		-	-	2	2	-	2/3
Rear speeds		12	12	-	-	11	-
Compatible rear derailleur type		12-speed	12-speed	-	-	MTB 11-speed	-
Mount type	Clamp band	X	-	X	-	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-
	I-SPEC EV	-	X	-	X	-	-
Shift lever position adjust		-	X (14 mm slide adjust range)	-	X (14 mm slide adjust range)	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-
Shift lever cable adjust		X	X	X	X	X	X
Front 2/3 mode converter		-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		4	4	-	-	4	-
Release function	MULTI RELEASE	X	X	-	-	X *	-
	INSTANT RELEASE	X	X	X	X	X	X
	2-WAY RELEASE	X	X	X	X	X	X
	Adjustable lever	-	-	X	X	-	-
OPTICAL GEAR DISPLAY	With	-	-	-	-	-	-
	With (removable)	-	-	-	-	-	-
	Without	X	X	X	X	X	X
Multi-bearing construction		4	4	4	4	4	4
Shift lever cable	Inner cable	Polymer-coated cable	X	X	X	X	X
		OPTISLICK	-	-	-	-	-
		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)		117 (/pc)	112 (/pc)	79 (/pc)	74 (/pc)	200 (/pair)	200 (/pair)
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	XTR	SAINT	SAINT	DEORE XT	DEORE XT
Model no.			SL-M980-B-IR	SL-M980-B-IL	SL-M820	SL-M820-B-I	SL-M8100-R	SL-M8100-IR
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	-	-	-	-
Rear speeds			10	-	10	10	12	12
Compatible rear derailleur type			MTB 10-speed	-	MTB 10-speed	MTB 10-speed	12-speed	12-speed
Mount type	Clamp band		-	-	X	-	X	-
	I-SPEC B		X	X	-	X **	-	-
	I-SPEC II		-	-	-	-	-	-
	I-SPEC EV		-	-	-	-	-	X
Shift lever position adjust			X	X	-	X	-	X (14 mm slide adjust range)
Shift lever rotation adjust (non I-SPEC EV)			X	X	-	X	-	-
Shift lever cable adjust			X (CFRP)	X (CFRP)	X (CFRP)	X (CFRP)	X	X
Front 2/3 mode converter			-	X	-	-	-	-
Max. multiple shifts (main lever/rear)			4	-	4	4	4	4
Release function	MULTI RELEASE		X	-	X *	X *	X	X
	INSTANT RELEASE		X	X	X	X	X	X
	2-WAY RELEASE		X	X	X	X	X	X
	Adjustable lever		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		-	-	-	-	-	-
	With (removable)		-	-	-	-	-	-
	Without		X	X	X	X	X	X
Multi-bearing construction			4	4	4	4	2	2
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	-	-	X	X
		SIL-TEC	X	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
Average weight (g)			103 (/pc)	98 (/pc)	123 (/pc)	114 (/pc)	117 (/pc)	120 (/pc)
Note					* Pull: single, push: double	* Pull: single, push: double ** I-spec R-type	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)

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LIFESTYLE COMFORT
GENERAL

 SW

 RD

 FD

 SMAD

 SC

 SL

 SLMT/
SMSL

 BL

 RD

 FD

 BR

 BR

 FC

 SMCD/
SMCR

 BB

 CS

 HB

 FH

 WH

 CH-DECK

Shifter

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			SL-M8100-L	SL-M8100-IL	SL-M8130-R11	SL-M8130-IR11	SL-M8000-R	SL-M8000-L
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
	3		-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds			2	2	-	-	-	2/3
Rear speeds			-	-	11	11	11	-
Compatible rear derailleur type			-	-	LINKGLIDE 11-speed	LINKGLIDE 11-speed	MTB 11-speed	-
Mount type	Clamp band		X	-	X	-	X	X
	I-SPEC B		-	-	-	-	-	-
	I-SPEC II		-	-	-	-	-	-
	I-SPEC EV		-	X	-	X	-	-
Shift lever position adjust			-	X (14 mm slide adjust range)	-	X	-	-
Shift lever rotation adjust (non I-SPEC EV)			-	-	-	-	-	-
Shift lever cable adjust			X	X	X	X	X	X
Front 2/3 mode converter			-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			-	-	2	2	4	-
Release function	MULTI RELEASE		-	-	-	-	X *	-
	INSTANT RELEASE		X	X	X	X	X	X
	2-WAY RELEASE		X	X	X	X	X	X
	Adjustable lever		X	X	-	-	-	-
OPTICAL GEAR DISPLAY	With		-	-	-	-	-	-
	With (removable)		-	-	-	-	X	X
	Without		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	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
Average weight (g)			78 (/pc)	78 (/pc)	117 (/pc)	120 (/pc)	127 (/pc)	117 (/pc)
Note			w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	-	-	* Pull: single, push: double	

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			SL-M8000-IR	SL-M8000-IL	SL-M8000-B-IR	SL-M780-B-IR	SL-M780-B-IL	SL-M780-R
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	-	11	10	-	10
Compatible rear derailleur type			MTB 11-speed	-	MTB 11-speed	MTB 10-speed	-	MTB 10-speed
Mount type	Clamp band		-	-	-	-	-	X
	I-SPEC B		-	-	X	X	X	-
	I-SPEC II		X	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
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
	2-WAY RELEASE		X	X	X	X	X	X
	Adjustable lever		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		-	-	-	-	-	-
	With (removable)		-	-	-	-	-	X
	Without		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	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
Average weight (g)			120 (/pc)	110 (/pc)	117 (/pc)	114 (/pc)	106 (/pc)	128 (/pc)
Note			* Pull: single, push: double		* Pull: single, push: double			

Shifter

Series			DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX
Model no.			SL-M780-L	SL-M770-A-R	SL-M770-A-L	SL-M7100-R	SL-M7100-IR	SL-M7100-L
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 MONO
Front speeds			2/3	-	3	-	-	2
Rear speeds			-	9	-	12	12	-
Compatible rear derailleur type			-	MTB 9-speed	-	12-speed	12-speed	-
Mount type	Clamp band		X	X	X	X	-	X
	I-SPEC B		-	-	-	-	-	-
	I-SPEC II		-	-	-	-	-	-
	I-SPEC EV		-	-	-	-	X	-
Shift lever position adjust			-	-	-	-	X (14 mm slide adjust range)	-
Shift lever rotation adjust (non I-SPEC EV)			-	-	-	-	-	-
Shift lever cable adjust			X	X	X	X	X	X
Front 2/3 mode converter			X	-	-	-	-	-
Max. multiple shifts (main lever/rear)			-	4	-	3	3	-
Release function	MULTI RELEASE		-	-	-	-	-	-
	INSTANT RELEASE		X	X	X	-	-	X
	2-WAY RELEASE		X	X	X	X	X	X
	Adjustable lever		-	-	-	-	-	X
OPTICAL GEAR DISPLAY	With		-	-	-	-	-	-
	With (removable)		X	X	X	-	-	-
	Without		X	X	X	X	X	X
Multi-bearing construction			2	2	2	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	-	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
Average weight (g)			121 (/pc)	255 (/pair)	255 (/pair)	117 (/pc)	117 (/pc)	77 (/pc)
Note								

Series			SLX	SLX	SLX	SLX	SLX	SLX
Model no.			SL-M7100-IL	SL-M7000-11-R	SL-M7000-L	SL-M7000-11-IR	SL-M7000-IL	SL-M7000-10-R
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
	3		-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds			2	-	2/3	-	2/3	-
Rear speeds			-	11	-	11	-	10
Compatible rear derailleur type			-	MTB 11-speed	-	MTB 11-speed	-	MTB 10-speed
Mount type	Clamp band		-	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)	-	-	X	X	-
Shift lever rotation adjust (non I-SPEC EV)			-	-	-	X	X	-
Shift lever cable adjust			X	X	X	X	X	X
Front 2/3 mode converter			-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			-	3	-	3	-	3
Release function	MULTI RELEASE		-	-	-	-	-	-
	INSTANT RELEASE		X	-	-	-	-	-
	2-WAY RELEASE		X	X	X	X	X	X
	Adjustable lever		X	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		-	-	-	-	-	-
	With (removable)		-	X	X	-	-	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	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
Average weight (g)			77 (/pc)	135 (/pc)	130 (/pc)	120 (/pc)	115 (/pc)	135 (/pc)
Note								

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

Shifter

Series			SLX	SLX	SLX	SLX	DEORE	DEORE
Model no.			SL-M7000-10-IR	SL-M7000-10-B-IR	SL-M670-B-IR	SL-M670-B-IL	SL-M6100-R	SL-M6100-IR
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	-	-
Rear speeds			10	10	10	-	12	12
Compatible rear derailleur type			MTB 10-speed	MTB 10-speed	MTB 10-speed	-	MTB 12-speed	MTB 12-speed
Mount type	Clamp band		-	-	-	-	X	-
	I-SPEC B		-	X	X	X	-	-
	I-SPEC II		X	-	-	-	-	-
	I-SPEC EV		-	-	-	-	-	X
Shift lever position adjust			X	X	X	X	-	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	X	X	-	-
Shift lever cable adjust			X	X	X	X	X	X
Front 2/3 mode converter			-	-	-	X	-	-
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
	Adjustable lever		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		-	-	-	-	X	X
	With (removable)		-	-	-	-	-	-
	Without		X	X	X	X	X	X
Multi-bearing construction			-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	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
Average weight (g)			120 (/pc)	127 (/pc)	121 (/pc)	116 (/pc)	-	-
Note								

Series			DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			SL-M6000-R	SL-M6000-L	SL-M6000-IR	SL-M6000-IL	SL-M5100-R	SL-M5100-IR
Color	1		Series black	Series black	Series black	Series black	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			10	-	10	-	11	11
Compatible rear derailleur type			MTB 10-speed	-	MTB 10-speed	-	MTB 11-speed	MTB 11-speed
Mount type	Clamp band		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
Front 2/3 mode converter			-	-	-	-	-	-
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 lever		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		X	X	-	-	X	X
	With (removable)		-	-	-	-	-	-
	Without		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
Average weight (g)			-	-	-	-	-	-
Note								

Shifter

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE	
Model no.		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	
	2	-	-	-	-	-	-	
	3	-	-	-	-	-	-	
Shifter type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		2	2	-	-	-	-	
Rear speeds		-	-	10	10	10	10	
Compatible rear derailleur type		-	-	LINKGLIDE 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed	
Mount type	Clamp band	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 (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	
Front 2/3 mode converter		-	-	-	-	-	-	
Max. multiple shifts (main lever/rear)		-	-	2	3	3	3	
Release function	MULTI RELEASE	-	-	-	-	-	-	
	INSTANT RELEASE	-	-	-	-	-	-	
	2-WAY RELEASE	X	X	X	X	X	X	
	Adjustable lever	-	-	-	-	-	-	
OPTICAL GEAR DISPLAY	With	-	-	X	X	X	-	
	With (removable)	-	-	-	-	-	-	
	Without	X	X	X	X	X	X	
Multi-bearing construction		-	-	-	-	-	-	
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	
		OPTISLICK	X	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-SP41	
Average weight (g)		-	-	-	-	-	-	
Note				-				

Series		DEORE	DEORE	DEORE
Model no.		SL-M610-IL	SL-M590-R	SL-M590-L
Color	1	Series color	Series color	Series color
	2	-	-	-
	3	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		2/3	-	3
Rear speeds		-	9	-
Compatible rear derailleur type		-	MTB 9-speed	-
Mount type	Clamp band	-	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
Front 2/3 mode converter		X	-	-
Max. multiple shifts (main lever/rear)		-	3	-
Release function	MULTI RELEASE	-	-	-
	INSTANT RELEASE	-	-	-
	2-WAY RELEASE	X	X	X
	Adjustable lever	-	-	-
OPTICAL GEAR DISPLAY	With	-	X	X
	With (removable)	-	-	-
	Without	X	-	-
Multi-bearing construction		-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-
		OPTISLICK	-	-
		SIL-TEC	-	-
		Stainless	X	X
		Steel	-	-
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41
Average weight (g)		-	-	-
Note				

MTB
TREKKING
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CS

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WH

CH-DECK

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
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

Integration Unit for Shifter

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 shifter	SL-M980	SL-M980	SL-M780	SL-M780
Note	* I-SPEC B-type compatible	* I-SPEC B-type compatible	* I-SPEC B-type compatible	* I-SPEC B-type compatible

Brake Lever (Hydraulic Disc Brake)

Series	XTR	XTR	DEORE XT	XTR	XTR	SAINT	DEORE XT
Model no.	BL-M9200	BL-M9220	BL-M8200	BL-M9100	BL-M9120	BL-M820-B	BL-M8100
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		2	2	2	2	2	2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake hose (kit)		SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBM
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
SERVO WAVE		-	X	X	-	X	X
Reach adjust	Toolless	-	X	X	-	X	X
	Tool	X	-	-	X	-	-
Free stroke adjust		-	X	X	-	X	X
Compatible shifter mount	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	X	-
	I-SPEC II	-	-	-	-	-	-
	I-SPEC EV	X	X	X	X	-	X
Clamp band	Open clamp	X	X	X	X	X	X
Shifter rotation angle adjust range (I-SPEC EV ; deg.)		60	60	60	60	-	20
Recommended brake caliper		BR-M9200, BR-MT805	BR-M9220	BR-M8200, BR-M8220, BR-MT805	BR-M9100, BR-M9110-R	BR-M9120	BR-M820
Oil		SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X	X	X	X	X
Average weight (g)					66	97	104
Note							

Brake Lever (Hydraulic Disc Brake)

Series		DEORE XT	SLX	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-M8000	BL-M7100	BL-M6100	BL-M4100	BL-MT501	BL-MT401	BL-MT402-3A
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	3
Color	1	Series color	Series color	Series color	Black (SHIMANO logo)	Black	Black (metallic silver lever)	Black
	2	-	-	Black (SHIMANO Logo)	-	-	Black (black lever)	Silver *
	3	-	-	-	-	-	-	-
Brake hose (kit)		SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SS	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-MT410) SM-BH90-SS (for BR-MT420)	SM-BH59-JK-SS (for BR-MT410) SM-BH90-SS (for BR-MT420)
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
SERVO WAVE		X	X	X	-	X	-	-
Reach adjust	Toolless	X	X	-	-	-	-	-
	Tool	-	-	X	X	X	X	X
Free stroke adjust		X	-	-	-	-	-	-
Compatible shifter mount	Clamp band	X	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-	-
	I-SPEC II	X	-	-	-	X	-	-
	I-SPEC EV	-	X	X	X	-	-	-
Clamp band		Open clamp	X	X	X	X	-	-
Shifter rotation angle adjust range (I-SPEC EV ; deg.)		-	20	10	10	-	-	-
Recommended brake caliper		BR-M8000	BR-M7100, BR-M7110-R, BR-M7120	BR-M6100 BR-M6120	BR-MT410 BR-MT420	BR-MT500 BR-MT520	BR-MT410 BR-MT420	BR-MT410 BR-MT420
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)		104	107	-	-	-	-	-
Note						-	-	* The option color part is master cylinder

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-MT402-ABS	BL-MT201	BL-MT200-ABS	BL-MT200
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3	3	3
Color	1	Black	Black	Black	Black
	2	-	-	-	-
	3	-	-	-	-
Brake hose (kit)		SM-BH90-SS (for BR-MT420)	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black
	2	-	-	-	-
J-Kit spec (for OEM)		X	X	X	X
SERVO WAVE		-	-	-	-
Reach adjust	Toolless	-	-	-	-
	Tool	X	X	X	X
Free stroke adjust		-	-	-	-
Compatible shifter mount	Clamp band	X	X	X	X
	I-SPEC B	-	-	-	-
	I-SPEC II	-	-	-	-
	I-SPEC EV	-	-	-	-
Clamp band		Open clamp	-	-	-
Shifter rotation angle adjust range (I-SPEC EV ; deg.)		-	-	-	-
Recommended brake caliper		BR-MT420	BR-MT200 BR-UR300	BR-MT200	BR-MT200 BR-UR300
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X	X	X
Average weight (g)		-	-	-	-
Note		Special J-kit for BOSCH ABS	-	Special J-kit for BOSCH ABS	-

MTB
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CH-DECK

MTB
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ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Brake Lever

Series		DXR
Model no.		BL-MX70
Color	1	Series color
	2	-
	3	-
Compatible brake type	V-BRAKE	X
	Mechanical disc brake (MTB)	X
	Mechanical disc brake (Road)	-
	Caliper (NEW SUPER SLR)	-
	Caliper (SUPER SLR)	-
	Cantilever brake	-
	Roller brake	-
Recommended POWER MODULATOR	V-BRAKE	-
	Mechanical disc brake (MTB)	-
Clamp band	Open clamp band	-
	I-SPEC	-
	Diameter (mm)	-
Internal bumper stop		-
Lever size (finger)		2
Brake cable type		T-type
Power adjuster		-
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

Rear Derailleur

Series			XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT
Model no.			RD-M9100-GS	RD-M9100-SGS	RD-M9120-SGS	RD-M8100-GS	RD-M8100-SGS	RD-M8120-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)
Compatible chain			HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-	-
	SHIMANO SHADOW RD+		X	X	X	X	X	X
	Double servo		-	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	-	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		X	X	X	X	X	X
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
Mode converter			-	-	-	-	-	
Cable adjuster			-	-	-	-	-	
Max. front difference			0T	0T	10T	0T	0T	10T
Total capacity			35T	41T	41T	35T	41T	45T
Low sprocket	Max.		45T	51T	45T	45T	51T	45T
	Min.		45T	51T	45T	45T	51T	45T
Top sprocket	Max.		10T	10T	10T	10T	10T	10T
	Min.		10T	10T	10T	10T	10T	10T
Fluoric coated link bushings			8	8	8	4	7	7
Pulley	Guide pulley bearing		Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	Tension pulley bearing		Sealed 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	286	284	287
Note				w/Bumper on pully cage		w/Bumper on pully cage	w/Bumper on pully cage	

Rear Derailleur

Series			SLX	SLX	DEORE	DEORE XT	DEORE XT	DEORE
Model no.			RD-M7100-SGS	RD-M7120-SGS	RD-M6100-SGS	RD-M8130-SGS	RD-M8000-SGS	RD-M5100-SGS
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Rear speeds			12	12 (front double)	12	11	11	11
Compatible chain			HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-	-
	SHIMANO SHADOW RD+		X	X	X	X	X	X
	Double servo		-	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	-	-	-	-	X	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		X	X	X	X	-	-
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
Mode converter			-	-	-	-	-	-
Cable adjuster			-	-	-	-	-	-
Max. front difference			0T	10T	0T	0T	18T	0T
Total capacity			41T	45T	41T	39T	47T	40T
Low sprocket	Max.		51T	45T	51T	50T	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	51T
	Min.		51T	45T	51T	50T	40T	51T
Top sprocket	Max.		10T	10T	10T	11T	11T	11T
	Min.		10T	10T	10T	11T	11T	11T
Fluoric coated link bushings			7	7	7	7	4	7
Pulley	Guide pulley bearing		-	-	-	Sealed Bearing	Sealed Bearing	-
	Tension pulley bearing		-	-	-	Sealed bearing	Sealed bearing	-
	Teeth		13T	13T	13T	13T	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	-
Average weight (g)			313	307	-	308	275	-
Note			w/Bumper on pully cage			w/Bumper on pully cage	* w/o Bracket spec. available	

Series			DEORE	DEORE	SAINT	SLX	SLX	SLX
Model no.			RD-M5120-SGS	RD-M4120-SGS	RD-M820-SS	RD-M7000-10-SGS	RD-M670-GS	RD-M670-SGS
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Rear speeds			11/10	11/10	10	10	10	10
Compatible chain			HG-X11 11-speed HG-X 10-speed	HG-X11 11-speed HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
RD construction	SHIMANO SHADOW RD		-	X	-	-	X	X
	SHIMANO SHADOW RD+		X	-	X	X	-	-
	Double servo		-	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	X	X	X	X	X	X
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		-	-	-	-	-	-
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
Mode converter			-	-	X	-	-	-
Cable adjuster			-	-	-	-	-	-
Max. front difference			10T	10T	Single	22T	18T	22T
Total capacity			41T	41T	25T	43T	35T	43T
Low sprocket	Max.		46T (1x11/1x10-speed), 42T (2x11/2x10-speed)	42T	28T, 36T	36T	36T	36T
	Min.		42T	42T	23T	32T	32T	32T
Top sprocket	Max.		11T	11T	12T	11T	11T	11T
	Min.		11T	11T	11T	11T	11T	11T
Fluoric coated link bushings			4	3	5	2	3	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	-	-
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

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

Rear Derailleur

Series			DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			RD-M6000-GS	RD-M6000-SGS	RD-M5130-GS	RD-M610-GS	RD-M610-SGS
Color	1		Series black	Series black	Series color	Black	Black
	2		-	-	-	Silver	Silver
Rear speeds			10	10	10	10	10
Compatible chain			HG-X 10-speed	HG-X 10-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed
RD construction	SHIMANO SHADOW RD		-	-	-	X	X
	SHIMANO SHADOW RD+		X	X	X	-	-
	Double servo		-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X
		Direct mount	X	X	-	X	X
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	UDH standard		-	-	X	-	-
	Riveted adapter	ROAD type	-	-	-	-	-
		BMX-track type	-	-	-	-	-
Mode converter			-	-	-	-	-
Cable adjuster			-	-	-	-	-
Max. front difference			10T	22T	0T	18T	22T
Total capacity			41T	43T	32T	35T	43T
Low sprocket	Max.		42T	36T	43T	36T	36T
	Min.		42T	32T	43T	32T	32T
Top sprocket	Max.		11T	11T	11T	11T	11T
	Min.		11T	11T	11T	11T	11T
Fluoric coated link bushings			4	3	7	3	3
Pulley	Guide pulley bearing		-	-	Bush	-	-
	Tension pulley bearing		-	-	Bush	-	-
	Teeth		11T	11T	13T	11T	11T
	Sunken type pulley screw		X	X	X	X	X
B-axle	Hollow axle		X	X	-	X	X
B-axle 2	Hollow axle		X	X	-	X	X
Average weight (g)			-	-	-	-	-
Note			* w/o Bracket spec. available	* w/o Bracket spec. available	-	* w/o Bracket spec. available	* w/o Bracket spec. available

Front Derailleur

Series		XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT
Model no.		FD-M9100-D	FD-M9100-E	FD-M9100-M	FD-M8100-D	FD-M8100-E	FD-M8100-M
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		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
Action	TOP SWING		-	-	-	-	-
	Down swing		-	-	-	-	-
	SIDE SWING		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	-
Cable route type	Dual-pull		-	-	-	-	-
	Top-pull exclusive		-	-	-	-	-
	Down-pull exclusive		-	-	-	-	-
	Front-pull		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.)
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		38T	38T	38T	36-38T	36-38T	36-38T
Total capacity		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
Angled clamp band design		-	-	-	-	-	X
Link bushings		6	6	6	6	6	6
Average weight (g) (band type: L size, direct type w/ screw)		110	88	99	135	106	114
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

Front Derailleur

Series		SLX	SLX	SLX	SLX	SLX	SLX
Model no.		FD-M7100-D	FD-M7100-E	FD-M7100-M	FD-M7025-11-D	FD-M7025-11-H	FD-M7025-11-L
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		12	12	12	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-	-	-	-	X
	Down swing	-	-	-	X	X	-
	SIDE SWING	X	X	X	-	-	-
Mount	Clamp band (mm)	28.6	-	- *	-	- *	- *
		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	-	X	-	-	-
		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	-	-	-
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	48.8	48.8
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		36-38T	36-38T	36-38T	34-38T	34-38T	34-38T
Total capacity		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
Angled clamp band design		-	-	X	-	X	X
Link bushings		6	6	6	6	6	6
Average weight (g) (band type: L size, direct type w/ screw)		135	106	114	140	152	133
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.

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		FD-M785	FD-M785-E2	FD-M786	FD-M786-D	FD-M770	FD-M770-E
Color	1	Black	Black	Black	Black	Series color	Series color
	2	-	-	Silver	Silver	-	-
Front speeds		2	2	2	2	3	3
Rear speeds		10	10	10	10	9	9
Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
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)	-	-
		31.8	X (w/ M size adapter)	-	X (w/ M size adapter)	-	-
		34.9	X	-	X	-	-
	E-type	With bottom bracket plate	-	-	-	-	X
		Without bottom bracket plate	-	X	-	-	X
	Direct mount	-	-	-	X	-	-
Cable route type	Dual-pull	X	X	X	X	X	X
	Top-pull exclusive	-	-	X	X	-	-
	Down-pull exclusive	-	-	-	-	-	-
	Front-pull	-	-	-	-	-	-
Chain line (mm)		48.8	48.8	48.8	48.8	50	50
Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth		38-44T	38-44T	38-44T	38-44T	44T, 48T	44T
Total capacity		14T	14T	14T	14T	22T	22T
Applicable top-mid tooth difference		-	-	-	-	12T	12T
Multi access cable fixing screw		X	X	-	-	-	-
Angled stroke adjust screw		X	X	X	X	X	X
Angled clamp band design		X	-	X	-	X	-
Link bushings		2	2	8	8	2	2
Average weight (g) (band type: L size, direct type w/ screw)		136	127	155	146	152	166
Note		* Outer casing stopper integrated design.				* Outer casing stopper integrated design.	

MTB

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SMSL

BL

RD

FD

BR

BR

FC

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SMCR

BB

CS

HB

FH

WH

CH-DECK

Front Derailleur

Series			DEORE XT	DEORE XT	DEORE XT	SLX	SLX	DEORE
Model no.			FD-M771	FD-M771-D	FD-M772A	FD-M660	FD-M661	FD-M6000-H
Color	1		Series color	Series color	Series color	Series color	Series color	Series black
	2		-	-	-	-	-	-
Front speeds			3	3	3	3	3	3
Rear speeds			9	9	9	9	9	10
Compatible chain			HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X 10-speed
Action	TOP SWING		-	-	X	X	-	-
	Down swing		X	X	-	-	X	-
	SIDE SWING		-	-	-	-	-	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)	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	-	X	-	-	-	-
Cable route type	Dual-pull		X	X	X (w/ M size adapter)	X	X	-
	Top-pull exclusive		-	-	X	-	-	-
	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		-	-	-	-	-	X
Chain line (mm)			50	50	50	50	50	50
Chainstay angle (deg.)			66-69	66-69	63-66	66-69	66-69	66-69
Top gear teeth			44T	44T	44T, 48T	44T	44T	40-42T
Total capacity			22T	22T	22T	22T	22T	18T
Applicable top-mid tooth difference			12T	12T	12T	12T	12T	10T
Multi access cable fixing screw			-	-	-	-	-	-
Angled stroke adjust screw			X	X	-	X	X	X
Angled clamp band design			X	-	X	X	X	X
Link bushings			8	8	2	2	8	4
Average weight (g) (band type: L size, direct type w/ screw)			155	147	160	155	158	-
Note						* Outer casing stopper integrated design.		

Series			DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.			FD-M6000-M	FD-M6000-L	FD-M6000-D	FD-M6000-E	FD-M6025-H	FD-M6025-L
Color	1		Series black	Series black	Series black	Series black	Series black	Series black
	2		-	-	-	-	-	-
Front speeds			3	3	3	3	2	2
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
	Down swing		-	-	-	-	X	-
	SIDE SWING		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	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	X	-	-
		Direct mount		-	-	X	-	-
	Dual-pull		-	-	-	-	X	-
Cable route type	Top-pull exclusive		-	-	-	-	-	-
	Down-pull exclusive		-	-	-	-	-	X
	Front-pull		X	X	X	X	-	-
	Chain line (mm)		50	50	50	50	48.8	48.8
Chainstay angle (deg.)			66-69	66-69	66-69	66-69	66-69	66-69
Top gear teeth			40-42T	40-42T	40-42T	40-42T	34-38T	34-38T
Total capacity			18T	18T	18T	18T	10T	10T
Applicable top-mid tooth difference			10T	10T	10T	10T	-	-
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			4	4	4	4	8	2
Average weight (g) (band type: L size, direct type w/ screw)			-	-	-	-	-	-
Note								

Front Derailleur

Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		FD-M6025-D	FD-M5100-D	FD-M5100-E	FD-M5100-M	FD-M4100-D	FD-M4100-E
Color	1	Series black	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2
Rear speeds		10	11	11	11	10	10
Compatible chain		HG-X 10-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed
Action	TOP SWING	-	-	-	-	-	-
	Down swing	X	-	-	-	-	-
	SIDE SWING	-	X	X	X	X	X
Mount	Clamp band (mm)	28.6	-	-	-	-	-
		31.8	-	-	X (w/ M size adapter)	-	-
		34.9	-	-	X	-	-
	E-type	With bottom bracket plate	-	-	-	-	-
		Without bottom bracket plate	-	X	-	-	X
	Direct mount	X	X	-	-	X	-
Cable route type	Dual-pull	X	-	-	-	-	-
	Top-pull exclusive	-	-	-	-	-	-
	Down-pull exclusive	-	-	-	-	-	-
	Front-pull	-	X	X	X	X	X
	Chain line (mm)	48.8/51.8 *	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
Top gear teeth		34-38T	36T	36T	36T	36T	36T
Total capacity		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
Angled clamp band design		-	-	-	X	-	-
Link bushings		8	4	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
Model no.		FD-M4100-M	FD-M617-H	FD-M617-L	FD-M617-D	FD-M617-E	FD-M618-E
Color	1	Series color	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
Front speeds		2	2	2	2	2	2
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
	Down swing	-	-	-	-	-	-
	SIDE SWING	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)	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	-
	Chain line (mm)	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
Top gear teeth		36T	36-38T	36-38T	36-38T	36-38T	36-38T
Total capacity		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
Angled clamp band design		X	X	X	-	-	-
Link bushings		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

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

 SW

 RD

 FD

 SMAD

 SC

 SL

 SLMT/
SMSL

 BL

 RD

 FD

 BR

 BR

 FC

 SMCD/
SMCR

 BB

 CS

 HB

 FH

 WH

 CH-DECK

Front Derailleur

Series			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
Color	1		Black	Black	Black	Black	Black	Black
	2		-	-	-	-	-	-
Front speeds			3	3	3	3	2	2
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)	-
		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	-	-	-	X
	Direct mount		-	-	-	X	-	-
Cable route type	Dual-pull		X	X	X	X	X	X
	Top-pull exclusive		-	-	X	X	-	-
	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		-	-	-	-	-	-
Chain line (mm)			50	50	50	50	48.8	48.8
Chainstay angle (deg.)			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
Total capacity			18T	18T	18T	18T	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	-
Link bushings			2	2	8	8	2	2
Average weight (g) (band type: L size, direct type w/ screw)			-	-	-	-	-	-
Note								



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

Brake (Hydraulic Disc Brake)

Series		XTR	XTR	DEORE XT	DEORE XT	SHIMANO	XTR
Model no.		BR-M9200	BR-M9220	BR-M8200	BR-M8220	BR-MT805	BR-M9100
Color	1	Series color	Series color	Series color	Series color	Black (SHIMANO logo)	Series color
	2	-	-	-	-	-	-
	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-SS	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SS
Hose joint		Straight	Banjo	Banjo	Banjo	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		-	X	X	X	X	-
Pad	Standard 1	K05TI-RX Resin (w/o fin)	P03A-RF Resin (w/ fin)	G05A-RX Resin (w/o fin)	P03A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	K05TI-RX Resin (w/o fin)
	Standard 2	K04TI-MX Metal (w/o fin)	P04C-MF Metal (w/ fin)	G04S-MX Metal (w/o fin)	P04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04TI-MX Metal (w/o fin)
	Option 1	-	D03S-RX Resin (w/o fin)	J05A-RF Resin (w/ fin)	D03S-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	-
	Option 2	-	D02S-MX Metal (w/o fin)	J04C-MF Metal (w/ fin)	D02S-MX Metal (w/o fin)	L04C-MF 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-M9200	BL-M9220	BL-M8200	BL-M8200	BL-M9200, BL-M8200	BL-M9100
Recommended disc brake rotor		RT-CL900, RT-MT905	RT-CL900, RT-MT905	RT-CL800, SM-RT86	RT-CL800, SM-RT86	RT-CL900, RT-MT905, RT-CL800, SM-RT86	RT-MT900
Compatible rotor size	140 mm (SS)	X	-	X	-	X	X
	160 mm (S)	X	X	X	X	X	X
	180 mm (M)	X	X	X	X	X	X
	203 mm (L)	-	X	X	X	-	-
	220 mm (LL)	-	X	X	X	-	-
Oil		SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO LOW VISCOSITY OIL	SHIMANO mineral
ONE WAY BLEEDING		X	-	X	-	X	X
Mount type		Post type	Post type	Post type	Post type	Flat mount	Post type
Piston		2	4	2	4	2	2
Caliper	MONO-BODY	X	X	-	-	-	X
	Tool size	** 4 mm	5 mm	5 mm	5 mm	4 mm	** 4 mm
Caliper fixing screw	Anti loosen method	Wiring	Snap ring	Snap ring	Snap ring	Screw fix pin+Snap ring	Wiring
	Pad mount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)							92
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)							193
Note		** Titanium				For rear only.	** Titanium

Series		XTR	XTR	SAINT	DEORE XT	DEORE XT	DEORE XT
Model no.		BR-M9110	BR-M9120	BR-M820	BR-M8100	BR-M8110	BR-M8120
Color	1	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
Brake hose (kit)		SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM
Hose joint		Straight	Banjo	Banjo	Banjo	Straight	Banjo
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	X	X
Pad	Standard 1	K05TI-RX Resin (w/o fin)	N03A-RF Resin (w/ fin)	H03A-RF Resin (w/ fin)	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	N03A-RF Resin (w/ fin)
	Standard 2	K04TI-MX Metal (w/o fin)	N04C-MF Metal (w/ fin)	H03C-MF Metal (w/ fin)	G04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	N04C-MF Metal (w/ fin)
	Option 1	-	-	-	J05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	D03S-RX Resin (w/o fin)
	Option 2	-	-	-	J04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	D02S-MX Metal (w/o fin)
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-M9120	BL-M820	BL-M8100 BL-T8100	BL-M8100	BL-M8100 BL-T8100
Recommended disc brake rotor		RT-MT900	RT-MT900	SM-RT99, SM-RT86	RT-MT800	RT-MT800	RT-MT800
Compatible rotor size	140 mm (SS)	X	X	X	X	X	X
	160 mm (S)	X	X	X	X	X	X
	180 mm (M)	-	X	X	X	X	X
	203 mm (L)	-	X	X	X	-	X
	220 mm (LL)	-	X	X	X	-	X
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		X	-	X	X	X	-
Mount type		Flat mount	Post type	Post type	Post type	Flat mount	Post type
Piston		2	4	4	2	2	4
Caliper		MONO-BODY	-	-	-	-	-
Caliper fixing screw	Tool size	4 mm	** 4 mm	5 mm	5 mm	4 mm	5 mm
	Anti loosen method	Screw fix pin+Snap ring	Wiring	Snap ring	Snap ring	Screw fix pin+Snap ring	Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		108	131	153	121	126	141
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		203	262	303	269	260	289
Note		For rear only. 140 mm disc brake rotor direct mount	** Titanium			For rear only.	

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

Brake (Hydraulic Disc Brake)

Series		DEORE XT	DEORE XT	SLX	SLX	SLX	DEORE
Model no.		BR-M8000	BR-M8020	BR-M7100	BR-M7110	BR-M7120	BR-M6100
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	Black (SHIMANO logo) ***
	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-SB	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SS
Hose joint		Banjo	Banjo	Banjo	Straight	Banjo	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
J-Kit spec (for OEM)		-	X	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		X	X	X	X	X	X
Pad	Standard 1	G05A-RX Resin (w/o fin)	H03A-RF Resin (w/ fin)	G05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	G05S-RX Resin (w/o fin)
	Standard 2	J05A-RF Resin (w/ fin)	-	G04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	N03A-RF Resin (w/ fin)	J05A-RF Resin (w/ fin)
	Option 1	G04S-MX Metal (w/o fin)	D03S-RX Resin (w/o fin)	J05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	D02S-MX Metal (w/o fin)	G04S-MX Metal (w/o fin)
	Option 2	J04C-MF Metal (w/ fin)	H03C-MF Metal (w/ fin)	J04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	N04C-MF 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-T8000	BL-M8000	BL-M7100	BL-M7100	BL-M7100	BL-M6100
Recommended disc brake rotor		RT-MT800, SM-RT86	RT-MT800, SM-RT99, RT-EM810, RT-EM910	SM-RT70	SM-RT70	SM-RT70	SM-RT54 *, SM-RT56 *, SM-RT64, SM-RT66
Compatible rotor size	140 mm (SS)	X	X	X	X	X	X
	160 mm (S)	X	X	X	X	X	X
	180 mm (M)	X	X	X	X	X	X
	203 mm (L)	X	X	X	-	X	X
	220 mm (LL)	X	X	X	-	X	X
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		X	X	X	X	-	X
Mount type		Post type	Post type	Post type	Flat mount	Post type	Post type
Piston		2	4	2	2	4	2
Caliper	MONO-BODY	-	-	-	-	-	-
Caliper fixing screw	Tool size	5 mm	5 mm	5 mm	4 mm	5 mm	5 mm
	Anti loosen method	Snap ring	Snap ring	Snap ring	Screw fix pin+Snap ring	Snap ring	Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Split pin (stainless steel)
Average weight (g)		118	153	121	125	142	-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		266	303	271	262	293	-
Note					For rear only.		*: Only compatible with resin pad

Series		DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-M6120	BR-M6000	BR-MT520	BR-MT500	BR-MT420	BR-MT410
Color	1	Series color	Series black	Black	Black	Black	Black (SHIMANO logo)
	2	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
Brake hose (kit)		SM-BH90-SS	SM-BH90-SS	SM-BH90-SS	SM-BH59-JK-SS	SM-BH90-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		-	X	-	-	-	-
Pad	Standard 1	D03S-RX Resin (w/o fin)	G05A-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)
	Standard 2	-	J05A-RF Resin (w/ fin)	D02S-MX Metal (w/o fin)	-	D02S-MX Metal (w/o fin)	-
	Option 1	D02S-MX Metal (w/o fin)	G04S-MX Metal (w/o fin)	-	-	-	-
	Option 2	-	-	-	-	-	-
Fixing screw spec for rear mount	10 mm mount	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-
	20 mm mount	-	-	-	-	-	-
	25 mm mount	-	-	-	-	-	-
	30 mm mount	-	-	-	-	-	-
	35 mm mount	-	-	-	-	-	-
Recommended brake lever		BL-M6100	BL-M6100 BL-MT501 BL-T6000	BL-MT501	BL-MT500	BL-MT401, BL-MT402-3A	BL-M4100, BL-MT401, BL-MT402-3A
Recommended disc brake rotor		SM-RT54 *, SM-RT56 *, SM-RT64, SM-RT66	SM-RT54 ****, SM-RT501 ****, SM-RT64, SM-RT66	SM-RT70	SM-RT54 *, SM-RT56 *	SM-RT30 *, SM-RT54 *, SM-RT56 *, SM-RT64	SM-RT30 *, SM-RT54 *, SM-RT56 *
Compatible rotor size	140 mm (SS)	X	X	X	-	X	X
	160 mm (S)	X	X	X	X	X	X
	180 mm (M)	X	X	X	X	X	X
	203 mm (L)	X	X	X	-	X	X
	220 mm (LL)	X	-	X	-	X	-
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	Post type
Piston		4	2	4	2	4	2
Caliper	MONO-BODY	-	-	-	-	-	-
Caliper fixing screw	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
Pad mount		Split pin (stainless steel)	Split pin (stainless steel)	Split pin	Split pin (stainless steel)	Split pin	Split pin (stainless steel)
Average weight (g)		-	-	-	-	-	-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		-	-	-	-	-	-
Note		*: Only compatible with resin pad	J-Kit spec available * T6000 kit only ** M6000 kit only *** Both M6000 kit and T6000 kit ***** Only compatible with resin pad		* Only compatible with resin pad	* Only compatible with resin pad	* Only compatible with resin pad

Brake (Hydraulic Disc Brake)

Series		SHIMANO
Model no.		BR-MT200
Color	1	Black
	2	-
	3	-
Brake type		Hydraulic disc brake
Brake hose (kit)		SM-BH59-JK-SS
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
J-Kit spec (for OEM)		X
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	B055-RX Resin (w/o fin)
	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	-
	35 mm mount	-
Recommended brake lever		BL-MT201 BL-MT200
Recommended disc brake rotor		SM-RT10 *, SM-RT26 *
Compatible rotor size	140 mm (SS)	X
	160 mm (S)	X
	180 mm (M)	X
	203 mm (L)	-
	220 mm (LL)	-
Oil		SHIMANO mineral
ONE WAY BLEEDING		X
Mount type		Post type
Piston		2
Caliper	MONO-BODY	-
Caliper fixing screw	Tool size	5 mm
	Anti loosen method	Snap ring
Pad mount		Split pin
Average weight (g)		-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		-
Note		* Only compatible with resin pad

Brake (Mechanical Disc Brake)

Series		SHIMANO
Model no.		BR-M375
Color	1	Black
	2	-
	3	-
Brake type		Mechanical disc brake
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	B035-RX Resin (w/o fin)
	Standard 2	-
	Option 1	-
	Option 2	-
Recommended brake lever		V-BRAKE BL (1.5-2.5 finger)
Recommended disc brake rotor		SM-RT10, SM-RT30, SM-RT26
Mount type		Post type
Piston		1
Caliper	MONO-BODY	-
Caliper fixing screw	Tool size	5 mm
	Anti loosen method	Snap ring
Pad mount		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	X
	25	X
Fixing screw	Chamfered screw	X
POWER MODULATOR		X (option SM-PM70)
Linear spring		X
Stainless cable fixing screw		X
Average weight (g)		184
Note		

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

Crankset

Series		XTR	XTR	XTR	XTR	XTR	XTR	XTR
Model no.		FC-M9200	FC-M9220	FC-M9100-2	FC-M9120-B2	FC-M9100-1	FC-M9120-1	FC-M9125-1
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12 (Front double)	12 (Front double)	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	55	48.8	51.8	52	52	55
O.L.D.	Thru (mm)	148	148	142	148	142, 148	142, 148	148
	QR/Nut (mm)	-	-	135	141	135, 141	135, 141	-
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		-	-	4	4	4	4	4
Chainring combination		30T, 32T, 34T, 36T, 38T	28T, 30T, 32T, 34T	38-28T	38-28T	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	32T, 34T
Q-factor (mm)		170	176	162	168	162	168	174
Crank arm length (mm)	160	-	X	-	-	-	-	-
	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	180	-	-	-	-	-	-	-
	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	SM-BB93
	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	SM-BB94-41A
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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	528 (30T) 531 (32T) 544 (34T) 543 (36T) 551 (38T)	545 (30T) 548 (32T) 562 (34T) 561 (36T) 569 (38T)	573 (32T) 587 (34T)
Note		-	-	-	-	-	-	-



Crankset

Series		XTR	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		FC-M9130-1	FC-M8200	FC-M8100-2	FC-M8120-B2	FC-M8100-1	FC-M8120-1	FC-M8130-1
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12 (Front double)	12 (Front double)	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)		56.5	55	48.8	51.8	52	55	56.5
O.L.D.	Thru (mm)	157	148	142	148	142, 148	148	157
	QR/Nut (mm)	-	-	135	141	135, 141	141	-
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		4	-	4	4	4	4	4
Chainring combination		30T, 32T, 34T	28T, 30T, 32T, 34T, 36T	36-26T	36-26T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T
Q-factor (mm)		171	176	172	178	172	178	181
Crank arm length (mm)	160	-	X	-	-	-	-	-
	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	180	-	-	X	X	X	X	X
	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	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT801
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	SM-BB94-41A	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		560 (30T) 563 (32T) 577 (34T)		650	662	608 (28T) 622 (30T) 620 (32T) 633 (34T) 651 (36T)	616 (28T) 630 (30T) 628 (32T) 642 (34T) 660 (36T)	624 (28T) 639 (30T) 636 (32T) 650 (34T) 668 (36T)
Note								

- MTB
- TREKKING
- GRAVEL
- ROAD
- LIFESTYLE ACTIVE
- LIFESTYLE COMFORT
- GENERAL
- SW
- RD
- FD
- SMAD
- SC
- SL
- SLMT/ SMSL
- BL
- RD
- FD
- BR
- BR
- FC
- SMCD/ SMCR
- BB
- CS
- HB
- FH
- WH
- CH-DECK

Crankset

Series		SLX	SLX	SLX	SLX	SLX	DEORE	DEORE
Model no.		FC-M7100-2	FC-M7120-B2	FC-M7100-1	FC-M7120-1	FC-M7130-1	FC-M6100-1	FC-M6120-1
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
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	55	56.5	52	55
O.L.D.	Thru (mm)	142	148	142, 148	148	157	142, 148	148
	QR/Nut (mm)	135	141	135, 141	141	-	135, 141	141
P.C.D. (mm)		Direct	Direct	Direct	Direct	Direct	Direct	Direct
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		36-26T	36-26T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T	30T, 32T
Q-factor (mm)		172	178	172	178	181	172	178
Crank arm length (mm)	160	-	-	-	-	-	-	-
	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	180	-	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	X	X	X	-	-
2-PIECE CRANKSET		-	-	-	-	-	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-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		673	684	634 (30T) 631 (32T) 646 (34T)	641 (30T) 638 (32T) 653 (34T)	650 (30T) 647 (32T) 662 (34T)	-	-
Note								



Crankset

Series		DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	XTR
Model no.		FC-M6130-1	FC-MT610-2	FC-MT610-B2	FC-MT510-1	FC-MT511-1	FC-MT512-1	FC-M9020-B1
Color	1	Series color	Black	Black	Black	Black	Black	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12	12	12	12	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		56.5	48.8	51.8	52	52	55	53.4
O.L.D.	Thru (mm)	157	142	148	142, 148	142, 148	148	148
	QR/Nut (mm)	-	135	141	135, 141	135, 141	141	141
P.C.D. (mm)		Direct	Direct	Direct	96	96	96	96
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		30T, 32T	36-26T	36-26T	30T, 32T, 34T	30T, 32T	30T, 32T	30T, 32T
Q-factor (mm)		181	172.9	178.9	177	178.5	178.5	174
Crank arm length (mm)	160	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-	-	X
2-PIECE CRANKSET		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)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	SM-BB93
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	SM-BB94-41A
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		-	-	-	-	-	-	593 (30T) 601 (32T)
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.

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CI-DECK

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW 

RD 

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SMAD 

SC 

SL 

SLMT/ SMLS 

BL 

RD 

FD 

BR 

BR 

FC 

SMCD/ SMC R 

BB 

CS 

HB 

FH 

WH 

CI-DECK 

Crankset

Series		XTR	DEORE XT	DEORE XT	DEORE	DEORE	DEORE	SHIMANO
Model no.		FC-M9020-B2	FC-M8000-B1	FC-M8000-B2	FC-M5100-1	FC-M5100-2	FC-M5100-B2	FC-MT700-B2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Black
	2	-	-	-	-	-	-	-
Rear speeds		11	11	11	11/10	11	11	11
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 11-speed, HG-X 10-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		51.8	53.4	51.8	52	48.8	51.8	51.8
O.L.D.	Thru (mm)	148	148	148	142, 148	142	148	148
	QR/Nut (mm)	141	141	141	135, 141	135	141	141
P.C.D. (mm)		96/64	96	96/64	96	96/64	96/64	96/64
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		34-24T, 36-26T	30T, 32T (SM-CRM81)	34-24T, 36-26T	30T, 32T	36-26T	36-26T	34-24T, 36-26T
Q-factor (mm)		174	176	176	178.5	178.5	178.5	175
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	-	-	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-(30T), X (32T)	-(34-24T), X (36-26T)	-	-	-	-
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-BB93	BB-MT801	BB-MT801	BB-MT501	BB-MT501	BB-MT501	BB-MT801
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	SM-BB94-41A	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT800-PA
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		645 (34-24T) 664 (36-26T)	681 (30T) 693 (32T)	699 (34-24T) 722 (36-26T)	-	-	-	712.4 (34-24T) 738.9 (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.				

Crankset

Series		SHIMANO	SAINT	SAINT	DEORE XT	ZEE	ZEE	DEORE
Model no.		FC-MT600-2	FC-M820	FC-M825	FC-M785	FC-M640	FC-M645	FC-M6000-2
Color	1	Black	Series color	Series color	Black	Series color	Series color	Series black
	2	-	-	-	Silver	-	-	-
Rear speeds		11	10	10	10	10	10	10
Compatible chain		LINKGLIDE, HG 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
Chain line (mm)		48.8	50.4	57.9	48.8	50.4	57.9	48.8
O.L.D.	Thru (mm)	142	142	150, 157	142	142	150, 157	142
	QR/Nut (mm)	135	135	-	135	135	-	135
P.C.D. (mm)		96/64	104	104	104/64	104	104	96/64
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		36-26T	34T, 36T, 38T (SM-CR82)	34T, 36T, 38T (SM-CR82)	38-24T, 38-26T, 40-28T	34T, 36T, 38T (FC-M640/M645 chaining)	34T, 36T, 38T (FC-M640/M645 chaining)	34-24T, 36-26T, 38-28T
Q-factor (mm)		177	178	193	175	174.7	189.7	176
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	-	-	-	-	-	-	-
	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
2-PIECE CRANKSET		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-MT801	SM-BB80	SM-BB80	-	BB-MT501	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	SM-BB52	SM-BB52	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	BB-MT800-PA	SM-BB71-41A	SM-BB71-41C	SM-BB71-41A	SM-BB71-41A	SM-BB71-41C	BB-MT500-PA
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	-	X	X	-	X
	73	X	X	-	X	X	-	X
	83	-	-	X	-	-	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)		-	827 (34T) 837 (36T) 847 (38T)	838 (34T) 849 (36T) 858 (38T)	715.8 (38-24T) 717.6 (38-26T) 727.6 (40-28T)	807 (34T) 817 (36T) 828 (38T)	837 (34T) 847 (36T) 858 (38T)	-
Note				For 83 mm bottom bracket shell width			For 83 mm bottom bracket shell width	

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

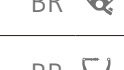
FH

WH

CH-DECK

Crankset

Series		DEORE	DEORE	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-M4100-2	FC-M4100-B2	FC-M617	FC-M617-B2	FC-MT500-2	FC-MT500-3	FC-M627-B
Color	1	Series color	Series color	Black	Black	Black	Black	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	51.8	48.8	51.8	48.8	50	51.8
O.L.D.	Thru (mm)	142	148	142	148	142	142	148
	QR/Nut (mm)	135	141	135	141	135	135	141
P.C.D. (mm)		96/64	96/64	104/64	104/64	96/64	96/64	104/64
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		36-26T	36-26T	36-22T, 38-24T	36-22T	36-26T	40-30-22T	36-22T
Q-factor (mm)		178.5	178.5	176	176	177	177	176
Crank arm length (mm)	160	-	-	-	-	-	-	-
	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	180	-	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	X	-
	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)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	SM-BB52	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/ES (mm)		-	-	-	-	-	-	-
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)		-	-	-	-	-	-	-
Note							* It is fixed on the threaded middle ring.	- 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		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-MT210-3	FC-MT210-2	FC-MT210-B2	FC-MT200	FC-MT101-2	FC-MT101-B2	FC-MT101
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	-
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
Chain line (mm)		50	48.8	51.8	50	48.8	51.8	50
O.L.D.	Thru (mm)	142	142	148	142	142	148	142
	QR/Nut (mm)	135	135	141	135	135	141	135
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		40-30-22T, 44-32-22T	36-22T, 46-30T	36-22T	40-30-22T	36-22T	36-22T	40-30-22T, 44-32-22T
Q-factor (mm)		176	176	176	176	179.4	179.4	179.2
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	-	-	-	-	-	-
	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	X	-(36-22T), X (46-30T)	-	X	-	-	X
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	-	-	-
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	X	X	X
Recommended bottom bracket	Threaded (normal)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-UN101	BB-UN101	BB-UN101
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-	-
	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	-	-	-
Axle length of BB-UN/ES (mm)		-	-	-	-	LL123	LL123	LL123
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 (Option)
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	-	-	-	-
Note		SHIMANO logo	-	Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo	SHIMANO logo Chain line 3 mm outboard	SHIMANO logo

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

 SW

 RD

 FD

 SMAD

 SC

 SL

 SLMT/MSML

 BL

 RD

 FD

 BR

 BR

 FC

 SMCD/SMCR

 BB

 CS

 HB

 FH

 WH

 CI-DECK

Crankset

Series		SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		FC-M371	FC-M315-2	FC-M315-B2	FC-MX71
Color	1	Black	Black	Black	Series color
	2	-	-	-	-
Rear speeds		9	8/7	8/7	1
Compatible chain		HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed	Single speed
Chain line (mm)		50	48.8	51.8	44
O.L.D.	Thru (mm)	142	142	148	142
	QR/Nut (mm)	135	135	141	135
P.C.D. (mm)		Riveted	Riveted	Riveted	104/64
Spider/gear arms		4	4	4	4
Chaining combination		44-32-22T, 48-36-26T	36-22T	36-22T	34T, 38T, 41T, 42T, 43T, 44T, 46T
Q-factor (mm)		180.5	179.4	179.4	173
Crank arm length (mm)	160	-	-	-	-
	165	-	-	-	X
	167.5	-	-	-	-
	170	X	X	X	X
	172.5	-	-	-	-
	175	X	X	X	X
	177.5	-	-	-	-
	180	-	-	-	X
Optional chain guard	With bash guard	-	-	-	-
	With chain guard	X	-	-	-
	Without chain/bash guard	X	X	X	X
HOLLOWTECH II		-	-	-	X
2-PIECE CRANKSET		-	-	-	-
HOLLOWTECH crank arm		-	-	-	X
OCTALINK		-	-	-	-
HOLLOWGLIDE		-	-	-	-
Compatible bottom bracket type	Outboard	-	-	-	X
	OCTALINK	-	-	-	-
	Square	X	X	X	-
Recommended bottom bracket	Threaded (normal)	BB-UN300	BB-UN101	BB-UN101	-
	Threaded (E-type)	-	-	-	-
	Threaded (chain case)	BB-UN300-K	-	-	-
	Press-Fit	-	-	-	-
Axle length of BB-UN/ES (mm)		LL123	LL123	LL123	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X
	73	X	X	X	X
	83	-	-	-	-
Chain case compatible		X	-	-	-
Stainless chain guard fixing screw		-	-	-	-
Crank fixing screw included		X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		-	-	-	765 (w/o chainring)
Note		SHIMANO logo	SHIMANO logo	SHIMANO logo, Chain line 3 mm outboard	BMX racing 68 mm bottom bracket shell width

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		Top guide	Top guide	Top guide	Chain guide w/ one guard
Chain guide	Compatible chain	HG 12-speed	HG 12-speed	HG 12-speed	10/9-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	34T, 36T, 38T
	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
	Chainstay angle (deg.)	63-75	63-75	63-75	-
	Back plate	Resin	Resin	Aluminum	Aluminum
	Chainguide	Resin	Resin	Resin	Aluminum
Bash guard	Compatible FC	-	-	FC-M820, FC-M825	FC-M825, FC-M820
Average weight (g)		28	25	33	-
Note					

Chainring

Series		XTR	XTR	DEORE XT	DEORE XT	SLX	DEORE XT	SLX	SHIMANO	SHIMANO
Model no.		SM-CRM96	SM-CRM95	SM-CRM86	SM-CRM85	SM-CRM75	SM-CRM81	SM-CRM70	SM-CR82	SM-CR80-A
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color	Black	Black
	2	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-
Gear speed		1	1	1	1	1	1	1	1	1
Rear speed	12-speed	X	X	X	X	X	-	-	-	-
	11-speed	-	-	-	-	-	X	X	-	-
	10-speed	-	-	-	-	-	-	-	X	-
	9-speed	-	-	-	-	-	-	-	-	X
Single		-	-	-	-	-	-	-	-	X
DYNAMIC CHAIN ENGAGEMENT+		X	X	X	X	X	X	X	-	-
Chainring teeth	46T	-	-	-	-	-	-	-	-	X
	44T	-	-	-	-	-	-	-	-	X
	43T	-	-	-	-	-	-	-	-	X
	42T	-	-	-	-	-	-	-	-	X
	41T	-	-	-	-	-	-	-	-	X
	40T	-	-	-	-	-	-	-	-	-
	38T	X	X	-	-	-	-	-	X	X
	36T	X	X	X	X	-	-	-	X	-
	34T	X	X	X	X	X	X	X	X	X
	32T	X	X	X	X	X	X	X	-	-
	30T	X	X	X	X	X	X	X	-	-
	28T	X	-	X	X	-	-	-	-	-
Chain guard type	Double	-	-	-	-	-	-	-	-	-
	Single	-	-	-	-	-	-	-	-	-
	w/o Chain guard	X	X	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
Model no.		SM-BB93	SM-BB94-41A	SM-BB80	SM-BB71-41A	SM-BB71-41C	BB-MT801	BB-MT800
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	X	-	X	-	-	X	X
	Press-Fit type	-	X	-	X	X	-	-
Threaded bottom bracket shell width (mm)	68	X	-	X	-	-	X	X
	73	X	-	X	-	-	X	X
	83	-	-	X	-	-	-	-
Press-Fit bottom bracket shell width (mm)	84.5	-	-	-	-	-	-	-
	89.5	-	X	-	X	-	-	-
	92	-	X	-	X	-	-	-
	104.5	-	-	-	-	X	-	-
	107	-	-	-	-	X	-	-
Small ball bearing		X	X	-	-	-	-	-
Average weight (g)		73	58	95 (68/73 mm) 96 (83 mm)	71	73	84	83
Note				Gold color for SAINT				

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-MT800-PA	BB-MT800-PC	BB-MT501	BB-MT500	BB-MT500-PA	SM-BB52
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
	73	-	-	X	X	-	X
	83	-	-	-	-	-	-
Press-Fit bottom bracket shell width (mm)	84.5	-	-	-	-	-	-
	89.5	X	-	-	-	X	-
	92	X	-	-	-	X	-
	104.5	-	X	-	-	-	-
	107	-	X	-	-	-	-
Small ball bearing		-	-	-	-	-	-
Average weight (g)		69	71	-	-	-	-
Note							

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CI-DECK

Cassette

Series		XTR	XTR	DEORE XT	DEORE XT	SLX	DEORE	DEORE XT
Model no.		CS-M9200-12	CS-M9101-12	CS-M8200-12	CS-M8100-12	CS-M7100-12	CS-M6100-12	CS-M8000
Type		HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HG
Rear speeds		12	12	12	12	12	12	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed
Combination name (Group name)		9-45T, 10-51T	10-45T, 10-51T	9-45T, 10-51T	10-45T, 10-51T	10-45T, 10-51T	10-51T	11-40T (bs), 11-42T (bt), 11-46T (bu)
Combination * Titanium gear	1	9-11-13-15-17-*19-*21-*24-*28-*33-39-45T	10-12-14-16-18-21-24-28-32-36-40-45T	9-11-13-15-17-19-21-24-28-33-39-45T	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)
	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	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)
	3	-	-	-	-	-	-	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	X	X	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	X
	HG spline S (7-speed)	-	-	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	1	1	1	1	1	2
Steel spider arm	QTY (pcs)	-	-	-	-	-	-	-
Titanium gear	QTY (pcs)	5 (9-45T), 4 (10-51T)	5	-	-	-	-	-
Aluminum gear	QTY (pcs)	2 (9-45T), 3 (10-51T)	3	1 (9-45T), 2 (10-51T)	2	1	-	2
Steel gear	QTY (pcs)	5	4	11 (9-45T), 10 (10-51T)	10	11	12	9
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)
Note		TL-LR021, Lock ring tool for 9-45T is compatible with 12mm E-THRU.		TL-LR021, Lock ring tool for 9-45T is compatible with 12mm E-THRU.				** Aluminum gear

Series		DEORE	DEORE XT	DEORE	SHIMANO	SHIMANO	SHIMANO	DXR
Model no.		CS-M5100-11	CS-M771-10	CS-M4100-10	CS-HG50-10	CS-HG201-9	CS-HG200-9	CS-MX66
Type		HG	HG	HG	HG	HG	HG	Single sprocket for FH-MX70
Rear speeds		11	10	10	10	9	9	Single
Compatible chain		LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	1/2 x 3/32
Combination name (Group name)		11-42T, 11-51T	11-32T (bL), 11-34T (bJ), 11-36T (bK)	11-42T, 11-46T	11-36T (bK)	11-32T (bo), 11-34T (bn), 11-36T (bw)	11-32T (bo), 11-34T (bn), 11-36T (bw)	-
Combination * Titanium gear	1	11-13-15-17-19-21-24-28-32-37-42T	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)	11-13-15-17-19-21-24-28-32T (bo)	11-13-15-17-19-21-24-28-32T (bo)	-
	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	-	11-13-15-17-20-23-26-30-34T (bn)	11-13-15-17-20-23-26-30-34T (bn)	-
	3	-	11-13-15-17-19-21-24-28-32-36T (bK)	-	-	11-13-15-17-20-23-26-30-34T (bw)	11-13-15-17-20-23-26-30-36T (bw)	-
	4	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X	X	X	X	X	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	2	-	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	1	1	-	-	-
Titanium gear	QTY (pcs)	-	-	-	-	-	-	-
Aluminum gear	QTY (pcs)	-	-	-	-	-	-	-
Steel gear	QTY (pcs)	11	10	10	10	9	9	1
Average weight (g)		-	294 (11-32T) 323 (11-34T) 343 (11-36T)	-	-	-	-	-
Note								For BMX racing

Front Hub (Disc Brake)

Series		XTR	XTR	XTR	XTR	SAINT	DEORE XT
Model no.		HB-M9210-B	HB-M9110	HB-M9110-B	HB-M9110-B5	HB-M820	HB-M8210-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
O.L.D. (mm)		110	100	110	110	110	110
Spoke hole	28H	X	X	X	X	-	X
	32H	X	X	X	-	X	X
	36H	-	-	-	-	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	15 mm E-THRU	20 mm Thru	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	X	-	-	-	-
	110 x 15	X	-	X	X	-	X
	110 x 20	-	-	-	-	X	-
Flange distance (mm)		70.2	60.2	70.2	62.76	61.6	70.2
Offset (mm)		5.4	5.4	5.4	3.63	5.6	5.4
P.C.D. left / right (mm)		44	44/44	44/44	45	52	44
Flange diameter left / right (mm)		52.8	52.8	52.8	51	59.6	52.8
Seal		Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal grease sleeve		-	-	-	-	-	-
Average weight (g)		121	132	137	146	202	130
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.	

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		HB-M8110	HB-M8110-B	HB-M8110-B5	HB-M8000	HB-M8010	HB-M8010-B
Color	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	-	-	Series color	-	-
	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	100	100	110
Spoke hole	28H	X	X	X	-	-	-
	32H	X	X	-	X	X	X
	36H	X	X	-	-	X	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	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	Quick release	15 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	-	-	-	-
	133	-	-	-	X	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	X	-	-	-	X	-
	110 x 15	-	X	X	-	-	X
	110 x 20	-	-	-	-	-	-
Flange distance (mm)		60.2	70.2	62.8	60.2	60.2	70.2
Offset (mm)		5.7	5.7	3.7	6	5.4	5.4
P.C.D. left / right (mm)		44/44	44/44	45/45	44/41	44/44	44/44
Flange diameter left / right (mm)		52.8	52.8	51	52.8/51.4	52.8	52.8
Seal		-	-	-	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal grease sleeve		X	X	X	X	X	X
Average weight (g)		142	147	158	167	148	158
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
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LIFESTYLE COMFORT
GENERAL

SW

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SMCD/
SMCR

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CS

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CI-DECK

Front Hub (Disc Brake)

Series		SLX	SLX	DEORE	DEORE	DEORE	SHIMANO
Model no.		HB-M7110	HB-M7110-B	HB-M6000	HB-M6010	HB-M5100	HB-MT410
Color	1 Hub shell	Series color	Series color	Series black	Series black	Series black	Black
	1 Quick release	-	-	Series black	-	Series 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
O.L.D. (mm)		100	110	100	100	100	100
Spoke hole	28H	X	X	-	-	-	X
	32H	X	X	X	X	X	X
	36H	-	-	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	X	X	X	X	X
CENTER LOCK mount cover option		-	-	-	-	-	-
Axle fixing method		15 mm E-THRU	15 mm E-THRU	Quick release	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	-	X
	110 x 15	-	X	-	-	-	-
	110 x 20	-	-	-	-	-	-
Flange distance (mm)		60.2	70.2	60.2	60.2	60.2	60.2
Offset (mm)		5.7	5.7	5.6	5.3	5.6	5.3
P.C.D. left / right (mm)		44/44	44/44	44	44	44	44/44
Flange diameter left / right (mm)		52.8	52.8	52.8	52.8	52.8	52.8
Seal		Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal grease sleeve		X	X	-	X	-	-
Average weight (g)		142	147	-	-	-	-
Note					-		

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		HB-MT410-B	HB-M525A	HB-M475	HB-M4050	HB-M3050	HB-MT400
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	-	Black	Black	Black	Black	-
	2 Hub shell	-	Silver	Silver	Silver	-	-
	2 Quick release	-	Silver	Silver	Silver	-	-
Brake type		CENTER LOCK disc brake	6-bolt disc brake	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)		110	100	100	100	100	100
Spoke hole	28H	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
CENTER LOCK mount cover option		-	-	-	-	-	-
Axle fixing method		15 mm E-THRU	Quick release	Quick release	Quick release	Quick release	15 mm E-THRU
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)		70.2	59.2	59.2	60.2	60.2	60.2
Offset (mm)		5.3	5.7	5.5	5.6	5.5	5.3
P.C.D. left / right (mm)		44/44	61/61	61/61	44/44	44/44	44/44
Flange diameter left / right (mm)		52.8	70.6	70.6	52.8	52.8	52.8
Seal		Labyrinth+Contact	Labyrinth+Contact	Contact	Labyrinth+Contact	Contact	Labyrinth+Contact
Internal grease sleeve		-	-	-	-	-	X
Average weight (g)		-	-	-	-	-	-
Note			-	-	-	-	-

Series		SHIMANO	SHIMANO
Model no.		HB-MT400-B	HB-MT200
Color	1 Hub shell	Black	Black
	1 Quick release	-	Black
	2 Hub shell	-	-
	2 Quick release	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)		110	100
Spoke hole	28H	X	X
	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		15 mm E-THRU	Quick release
Quick release skewer length (mm)	129	-	-
	133	-	X
Thru axle (length x inner diameter ; mm)	100 x 15	-	-
	110 x 15	X	-
	110 x 20	-	-
Flange distance (mm)		70.2	60.2
Offset (mm)		5.3	5.3
P.C.D. left / right (mm)		44/44	44/44
Flange diameter left / right (mm)		52.8	52.8 (32H/36H), 53.8 (28H)
Seal		Labyrinth+Contact	Contact
Internal grease sleeve		-	-
Average weight (g)		-	-
Note		-	-

FREEHUB (Disc Brake)

Series		XTR	XTR	XTR	XTR	SAINT	SAINT	DEORE XT
Model no.		FH-M9210-B	FH-M9111	FH-M9111-B	FH-M9111-B5	FH-M820	FH-M825	FH-M8210-B
Color	1 Hub shell	Series color	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	12	12	12	11/10/9/8/7	11/10/9/8/7	12
O.L.D. (mm)		148	142	148	148	135	150	148
Spoke hole	28H	X	X	X	X	-	-	X
	32H	X	X	X	-	X	X	X
	36H	-	-	-	-	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	-	-	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	Thru	Thru	12 mm E-THRU
Quick release skewer length (mm)	166	-	-	-	-	-	-	-
	168	-	-	-	-	-	-	-
	170	-	-	-	-	-	-	-
	172	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-
	174	-	-	-	-	-	-	-
	176	-	-	-	-	-	-	-
	178	-	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	X	-	-
	135 x 12	-	-	-	-	X	-	-
	142 x 12	-	X	-	-	-	-	-
	148 x 12	X	-	X	X	-	-	X
	150 x 12	-	-	-	-	-	X	-
	157 x 12	-	-	-	-	-	-	-
Flange distance (mm)		63	55.89	63.06	56.0	57.4	72.4	62.2
Offset (mm)		7	7.05	7.02	6.8	6.4	6.6	6.6
P.C.D. left / right (mm)		47.25/61	50/61	47.25/61	45/61	44/45	44/45	60/61
Flange diameter left / right (mm)		68.8/69.8	59/70	56.25/70	51/68.4	52.8/53.8	52.8/53.8	68.8/69.8
Spline type	MICRO SPLINE	X	X	X	X	-	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	X	X	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Direct engagement	Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Direct engagement
Quick engagement		X (max 3.5 deg.)	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 3.5 deg.)
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	Labyrinth+Contact	Contact	Contact	Contact	Contact	Contact	Labyrinth+Contact
Internal grease sleeve		-	-	-	-	X	X	-
Average weight (g) (w/o axle, quick release nor lock ring)		231	237	238	241	347 (φ10) 333 (φ12)	348	251
Note					* For straight spoke, Lacing pattern limited to 3-cross, non-offset rim For details, refer to Products Technical Information			

MTB

TREKKING

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LIFESTYLE COMFORT

GENERAL

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CI-DECK 

FREEHUB (Disc Brake)

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		FH-M8110	FH-M8110-B	FH-M8110-BS	FH-M8130-B	FH-M8000	FH-M8010	FH-M8010-B
Color	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	-	-	-	Series color	-	-
	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	12	12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D. (mm)		142	148	148	157	135	142	148
Spoke hole	28H	X	X	X	X	-	-	-
	32H	X	X	-	X	X	X	X
	36H	X	X	-	-	-	X	-
10 tooth cog compatible		X	X	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	12 mm E-THRU	12 mm E-THRU
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	X	-	-	-	-	X	-
	148 x 12	-	X	X	-	-	-	X
	150 x 12	-	-	-	-	-	-	-
	157 x 12	-	-	-	X	-	-	-
Flange distance (mm)		55.17	62.16	55.95	72.69	57.4	57.4	63.4
Offset (mm)		6.72	6.6	6.78	6.43	6.9	6.4	6.4
P.C.D. left / right (mm)		61/61	60/61	45/61	58/61	44/45	44/45	44/45
Flange diameter left / right (mm)		69.8/69.8	68.8/69.8	51/68.4	66.8/69.8	52.8/53.8	52.8/53.8	52.8/53.8
Spline type	MICRO SPLINE	X	X	X	X	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	X	X	X
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Direct engagement	Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		X (max 7.0 deg.)	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 (more than 36 times/360 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
Average weight (g) (w/o axle, quick release nor lock ring)		305	307	306	310	331	359	367
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.				

FREEHUB (Disc Brake)

Series		SLX	SLX	SLX	DEORE	DEORE	DEORE	SHIMANO
Model no.		FH-M7110	FH-M7110-B	FH-M7130-B	FH-M6000	FH-M6010	FH-M5100	FH-MT410
Color	1 Hub shell	Series color	Series color	Series color	Series black	Series black	Series black	Black
	1 Quick release	-	-	-	Series black	-	Series 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	12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	12
O.L.D. (mm)		142	148	157	135	142	135	142
Spoke hole	28H	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
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	12 mm E-THRU	Quick release	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	-	X
	148 x 12	-	X	-	-	-	-	-
	150 x 12	-	-	-	-	-	-	-
	157 x 12	-	-	X	-	-	-	-
Flange distance (mm)		55.17	62.16	72.69	57.4	57.4	55.45	55.17
Offset (mm)		6.72	6.6	6.43	6.6	6.4	7.6	6.72
P.C.D. left / right (mm)		61/61	60/61	58/61	45	44/45	45	61/61
Flange diameter left / right (mm)		69.8/69.8	68.8/69.8	66.8/69.8	53.8	52.8/53.8	53.8	69.8/69.8
Spline type	MICRO SPLINE	X	X	X	-	-	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	X	X	X	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
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 (36 times/360 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	-
Average weight (g) (w/o axle, quick release nor lock ring)		350	354	359	-	-	-	-
Note								

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

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TREKKING

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CI-DECK 

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-MT410-B	FH-MT401	FH-MT401-B	FH-M525A	FH-M475	FH-M4050	FH-M3050
Color	1 Hub shell	Black	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	CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		12	12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D. (mm)		148	135	141	135	135	135	135
Spoke hole	28H	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	X	-	-	-	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	-	-	-	-	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-	-
	Without	-	-	-	-	X	X	X
CENTER LOCK mount cover option		-	-	-	-	-	-	-
Axle fixing method		12 mm E-THRU	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	X	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-	-
Flange distance (mm)		61.6	55.17	61.6	57.1	57.1	57.4	57.4
Offset (mm)		6.6	6.72	6.6	6.8	6.8	6.6	6.6
P.C.D. left / right (mm)		60/61	61/61	60/61	61/61	61/61	45/45	45/45
Flange diameter left / right (mm)		68.8/69.8	69.8/69.8	68.8/69.8	70.6	70.6	53.8	53.8
Spline type	MICRO SPLINE	X	X	X	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	X	X	X	X
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		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	Contact
	FREEHUB body	Contact	Contact	Contact	Contact	-	Contact	-
Internal grease sleeve		-	-	-	-	-	X	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-	-	-	-	-	-
Note								

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		FH-MT400	FH-MT400-B	FH-MT200-B
Color	1 Hub shell	Black	Black	Black
	1 Quick release	-	-	-
	2 Hub shell	-	-	-
	2 Quick release	-	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D. (mm)		142	148	141
Spoke hole	28H	-	X	X
	32H	X	X	X
	36H	X	X	X
10 tooth cog compatible		-	-	-
External serration disc brake rotor lock ring	With	-	-	-
	Without	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-
	Without	X	X	X
CENTER LOCK mount cover option		-	-	-
Axle fixing method		12 mm E-THRU	12 mm E-THRU	Quick release
Quick release skewer length (mm)	166	-	-	-
	168	-	-	-
	170	-	-	-
	172	-	-	X
	173	-	-	-
	174	-	-	-
	176	-	-	X
	178	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-
	135 x 12	-	-	-
	142 x 12	X	-	-
	148 x 12	-	X	-
	150 x 12	-	-	-
	157 x 12	-	-	-
Flange distance (mm)		57.4	63.4	63.4
Offset (mm)		6.65	6.65	6.65
P.C.D. left / right (mm)		44/45	44/45	45/45
Flange diameter left / right (mm)		52.8/53.8	52.8/53.8	53.8
Spline type	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X	X
	HG spline S (7-speed)	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		X (more than 36 times/360 deg.)	X (more than 36 times/360 deg.)	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Contact
	FREEHUB body	Contact	Contact	-
Internal grease sleeve		X	X	-
Average weight (g) (w/o axle, quick release nor lock ring)		-	-	-
Note		-	-	-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

 SW

 RD

 FD

 SMAD

 SC

 SL

 SLMT/
SMSL

 BL

 RD

 FD

 BR

 BR

 FC

 SMCD/
SMCR

 BB

 CS

 HB

 FH

 WH

 CI-DECK

Wheel (Disc Brake)

Series		XTR	XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT
Model no.		WH-M9200-TL-F15-B-29	WH-M9200-TL-R12-B-29	WH-M9220-TL-F15-B-29	WH-M9220-TL-R12-B-29	WH-M8200-TL-F15-B-29	WH-M8200-TL-F15-B-275	WH-M8200-TL-R12-B-29
Model name		WH-M9200-TL	WH-M9200-TL	WH-M9220-TL	WH-M9220-TL	WH-M8200-TL	WH-M8200-TL	WH-M8200-TL
Specification		F15-B-29	R12-B-29	F15-B-29	R12-B-29	F15-B-29	F15-B-275	R12-B-29
Color	1 Hub shell	Series color	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	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
O.L.D. (mm)		110	148	110	148	110	110	148
Wheel size		622 x 29.6TC (29 inch)	622 x 29.6TC (29 inch)	622 x 30TSS (29 inch)	622 x 30TSS (29 inch)	622 x 30TC (29 inch)	584 x 30TC (27.5 inch)	622 x 30TC (29 inch)
Tire	Type	Tubeless ready	Tubeless ready	Tubeless ready	Tubeless ready	Tubeless ready	Tubeless ready	Tubeless ready
	Recommended size	29 x 2.20 - 2.60	29 x 2.20 - 2.60	29 x 2.30 - 2.60	29 x 2.30 - 2.60	29 x 2.30 - 2.60	27.5 x 2.3 - 2.60	29 x 2.3 - 2.60
Rim	Height (mm)	19.2	19.2	19.7	19.7	19.8	19.8	19.8
	Internal width (mm)	29.6	29.6	30	30	30	30	30
	External width (mm)	35	35	38	38	34.7	34.7	34.7
	Rim joint	-	-	-	-	Welded	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	X	X	X	X	X	X	X
	Requires rim tape	X (30-622)	X (30-622)	X (30-622)	X (30-622)	X (30-622)	X (30-584)	X (30-622)
Spokes	Number	24	24	28	28	28	28	28
	Straight pull	X	X	-	-	-	-	-
	J-bend	-	-	X	X	X	X	X
	Diameter (mm)	2.2-2.0-1.7-2.0	2.2-2.0-1.7-2.0	2.0-1.6	2.0-1.6	2.0-1.8	2.0-1.8	2.0-1.8
Axle fixing method		15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	15 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	-	X	X	-
	142 x 12	-	-	-	-	-	-	-
	148 x 12	-	X	-	X	-	-	X
Spline type	MICRO SPLINE	-	X	-	X	-	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		-	Direct engagement	-	Direct engagement	-	-	Direct engagement
Quick engagement		-	X (max 3.5 deg.)	-	X (max 3.5 deg.)	-	-	X (max 3.5 deg.)
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	-	Labyrinth+Contact	-	Labyrinth+Contact	-	-	Labyrinth+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	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	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)		517	640					
Note								

Wheel (Disc Brake)

Series		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		WH-M8200-TL-R12-B-275	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	WH-M8120-TL-F15-B-275
Model name		WH-M8200-TL	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8120-TL	WH-M8120-TL
Specification		R12-B-275	F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-B-29	F15-B-275
Color	1 Hub shell	Series color	Black	Black	Black	Black	Series color	Series color
	1 Quick release	-	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
Front/Rear		Rear	Front	Front	Rear	Rear	Front	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)		148	110	110	148	148	110	110
Wheel size		584 x 30TC (27.5 inch)	622 x 24C (29 inch)	584 x 24C (27.5 inch)	622 x 24C (29 inch)	584 x 24C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inch)
Tire	Type	Tubeless ready	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	27.5 x 2.3- 2.60	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	27.5 x 2.25 - 2.60
Rim	Height (mm)	19.8	18.8	18.8	18.8	18.8	19.8	19.8
	Internal width (mm)	30	23.8	23.8	23.8	23.8	30	30
	External width (mm)	34.7	27.9	27.9	27.9	27.9	34.7	34.7
	Rim joint	Welded	Welded	Welded	Welded	Welded	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	X	X	X	X	X	X	X
	Requires rim tape	X (30-584)	X (24-622)	X (24-584)	X (24-622)	X (24-584)	X (30-584)	X (30-584)
Spokes	Number	28	28	28	28	28	28	28
	Straight pull	-	X	X	X	X	-	-
	J-bend	X	-	-	-	-	X	X
	Diameter (mm)	2.0-1.8	2-1.5	2-1.5	2-1.5	2-1.5	2.0-1.8	2.0-1.8
Axle fixing method		12 mm E-THRU	15 mm E-THRU	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	-	-	X	X
	142 x 12	-	-	-	-	-	-	-
	148 x 12	X	-	-	X	X	-	-
Spline type	MICRO SPLINE	X	-	-	X	X	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Direct engagement	-	-	Direct engagement	Direct engagement	-	-
Quick engagement		X (max 3.5 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	Labyrinth+Contact
	FREEHUB body	Labyrinth+Contact	-	-	Contact	Contact	-	-
Internal grease sleeve		-	X	X	-	-	X	X
Quick release lever		-	-	-	-	-	-	-
Reflector	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	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
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		-	846	808	994	956	941	875
Note		-	-	-	-	-	-	-

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

 SW

 RD

 FD

 SMAD

 SC

 SL

 SLMT/SMXL

 BL

 RD

 FD

 BR

 BR

 FC

 SMCD/SMCR

 BB

 CS

 HB

 FH

 WH

 CH-DECK

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

Wheel (Disc Brake)

Series		DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-M8120-TL-R12-B-29	WH-M8120-TL-R12-B-275	WH-MT620-TL-F15-B-29	WH-MT620-TL-F15-B-275	WH-MT620-TL-R12-B-29	WH-MT620-TL-R12-B-275	WH-MT601-TL-F15-29
Model name		WH-M8120-TL	WH-M8120-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL	WH-MT601-TL
Specification		R12-B-29	R12-B-275	F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-29
Color	1 Hub shell	Series color	Series color	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
Front/Rear		Rear	Rear	Front	Front	Rear	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	12	-
O.L.D. (mm)		148	148	110	110	148	148	100
Wheel size		622 x 30C (29 inch)	584 x 30C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inch)	622 x 25C (29 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	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	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60	29 x 2.00 - 2.40
Rim	Height (mm)	19.8	19.8	19.8	19.8	19.8	19.8	20.8
	Internal width (mm)	30	30	30	30	30	30	25
	External width (mm)	34.7	34.7	34.7	34.7	34.7	34.7	29.7
	Rim joint	Welded	Welded	Welded	Welded	Welded	Welded	Sleeve
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	X	X	X	X	X	X	-
	Requires rim tape	X (30-622)	X (30-584)	X (30-584)	X (30-584)	X (30-584)	X (30-584)	X (25-622)
Spokes	Number	28	28	24	24	24	24	24
	Straight pull	-	-	-	-	-	-	-
	J-bend	X	X	X	X	X	X	X
	Diameter (mm)	2.0-1.8	2.0-1.8	-	-	-	-	2.3
Axle fixing method		12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	133	-	-	-	-	-	-	-
	168	-	-	-	-	-	-	-
	173	-	-	-	-	-	-	-
	178	-	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	-	-	X
	110 x 15	-	-	X	X	-	-	-
	142 x 12	-	-	-	-	-	-	-
	148 x 12	X	X	-	-	X	X	-
Spline type	MICRO SPLINE	X	X	-	-	X	X	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Direct engagement	Direct engagement	-	-	Pawl ratchet	Pawl ratchet	-
Quick engagement		X (max 7.0 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	-
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	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 RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		1061	1016	990	940	1255	1206	931
Note								

BB
CS
HB
FH
WH
CI-DECK

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT601-TL-R12-29	WH-MT601-TL-F15-275	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	WH-MT601-TL	WH-MT601-TL
Specification		R12-29	F15-275	R12-275	F15-B-29	R12-B-29	F15-B-275	R12-B-275
Color	1 Hub shell	Black	Black	Black	Black	Black	Black	Black
	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	-	12
O.L.D. (mm)		142	100	142	110	148	110	148
Wheel size		622 x 25C (29 inch)	584 x 25C (27.5 inch)	584 x 25C (27.5 inch)	622 x 25C (29 inch)	622 x 25C (29 inch)	584 x 25C (27.5 inch)	584 x 25C (27.5 inch)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40
Rim	Height (mm)	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Internal width (mm)	25	25	25	25	25	25	25
	External width (mm)	29.7	29.7	29.7	29.7	29.7	29.7	29.7
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-	-
	Requires rim tape	X (25-622)	X (25-584)	X (25-584)	X (25-622)	X (25-622)	X (25-584)	X (25-584)
Spokes	Number	24	24	24	24	24	24	24
	Straight pull	-	-	-	-	-	-	-
	J-bend	X	X	X	X	X	X	X
	Diameter (mm)	2.3	2.3	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	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	-	X	-	-	-	-	-
	110 x 15	-	-	-	X	-	X	-
	142 x 12	X	-	X	-	-	-	-
	148 x 12	-	-	-	-	X	-	X
Spline type	MICRO SPLINE	X	-	X	-	X	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick engagement		X (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	Labyrinth+Contact
	FREEHUB body	Contact	-	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	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)		1238	884	1189	935	1248	888	1199
Note								

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CH-DECK

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-MT501-CL-R12-B-29	WH-MT501-CL-R12-B-275	WH-MT500-CL-F-275	WH-MT500-CL-R-275	WH-MT500-CL-F15-275	WH-MT500-CL-R12-275	WH-MT500-CL-F15-B-275
Model name		WH-MT501-CL	WH-MT501-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specification		R12-B-29	R12-B-275	F-275	R-275	F15-275	R12-275	F15-B-275
Color	1 Hub shell	Black	Black	Black	Black	Black	Black	Black
	1 Quick release	-	-	Black	Black	-	-	-
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
Front/Rear		Rear	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	-	11/10/9/8/7	-	11/10/9/8/7	-
O.L.D. (mm)		148	148	100	135	100	142	110
Wheel size		622 x 24C (29 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)
Tire	Type	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40
Rim	Height (mm)	21	21	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24	24	24
	External width (mm)	29.6	29.6	29.6	29.6	29.6	29.6	29.6
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-	-
	Requires rim tape	X (24-622)	X (24-584)	X (24-584)	X (24-584)	X (24-584)	X (24-584)	X (24-584)
Spokes	Number	24	24	24	24	24	24	24
	Straight pull	-	-	-	-	-	-	-
	J-bend	X	X	X	X	X	X	X
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Axle fixing method		12 mm E-THRU	12 mm E-THRU	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	X	X	-	-	-	-	-
Spline type	MICRO SPLINE	X	X	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	X	-	X	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	-
Quick engagement		-	-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	Contact	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	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 RR317-WUA SW	CATEYE RR317-WUA SW	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)		1260	1208	962	1147	936	1133	946
Note				-	*** Spoke protector is available only for 9 & 10-speed	-	*** Spoke protector is available only for 9 & 10-speed	-

SW


RD


FD


SMAD


SC


SL


SLMT/MSML


BL


RD


FD


BR


BR


FC


SMCD/SMCR


BB


CS


HB


FH


WH


CI-DECK


Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	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	WH-MT500-CL-F15-B-29	WH-MT500-CL-R12-B-29
Model name		WH-MT500-CL	WH-MT500-CL	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	F15-B-29	R12-B-29
Color	1 Hub shell	Black	Black	Black	Black	Black	Black	Black
	1 Quick release	-	Black	Black	-	-	-	-
	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		11/10/9/8/7	-	11/10/9/8/7	-	11/10/9/8/7	-	11/10/9/8/7
O.L.D. (mm)		148	100	135	100	142	110	148
Wheel size		584 x 24C (27.5 inch)	622 x 24C (29 inch)	622 x 24C (29 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	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	29 x 2.00 - 2.35	29 x 2.00 - 2.35
Rim	Height (mm)	21	21	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24	24	24
	External width (mm)	29.6	29.6	29.6	29.6	29.6	29.6	29.6
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-	-
Spokes	Requires rim tape	X (24-584)	X (24-622)	X (24-622)	X (24-622)	X (24-622)	X (24-622)	X (24-622)
	Number	24	24	24	24	24	24	24
	Straight pull	-	-	-	-	-	-	-
	J-bend	X	X	X	X	X	X	X
	Diameter (mm)	2.3	2.3	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	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	-	-	-	-	-	X	-
	142 x 12	-	-	-	-	X	-	-
	148 x 12	X	-	-	-	-	-	X
Spline type	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	-	X	-	X	-	X
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick engagement		-	-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	Contact	-	-	-	Contact	-	Contact
Internal grease sleeve		X	X	X	X	X	X	X
Quick release lever		-	Black	Black	-	-	-	-
Reflector	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	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 RR317-WUA SW	CATEYE RR317-WUA SW	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	998	1199
Note		*** Spoke protector is available only for 9 & 10-speed	-	-	-	-	-	-

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SW

RD

FD

SMAD

SC

SL

SLMT/
SMSL

BL

RD

FD

BR

BR

FC

SMCD/
SMCR

BB

CS

HB

FH

WH

CI-DECK

Wheel (Disc Brake)

Series		SHIMANO
Model no.		WH-MT15-A-F15-275
Model name		WH-MT15-A
Specification		F15-275
Color	1 Hub shell	Black
	1 Quick release	Black
	2 Hub shell	White
	2 Quick release	Black
Front/Rear		Front
Brake type		CENTER LOCK disc brake
Rear speeds		-
O.L.D. (mm)		100
Wheel size		584 x 19C (27.5 inch)
Tire	Type	Clincher
	Recommended size	27.5 x 1.90 - 2.25
Rim	Height (mm)	21
	Internal width (mm)	19
	External width (mm)	24.6
	Rim joint	Sleeve
	Brazed reinforcement	-
	OFFSET RIM	-
	Requires rim tape	X (20-584)
Spokes	Number	28
	Straight pull	-
	J-bend	X
	Diameter (mm)	2.0
Axle fixing method		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	-
	142 x 12	-
	148 x 12	-
Spline type	MICRO SPLINE	-
	HG spline L2 (ROAD 12-speed dedicated)	-
	HG spline L (ROAD 12/11-speed)	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-
	HG spline S (7-speed)	-
Engagement type		-
Quick engagement		-
Seal	Hub	Labyrinth+Contact
	FREEHUB body	-
Internal grease sleeve		X
Quick release lever		-
Reflector	Color	-
	JIS/CPSC	CATEYE RR-550-WUW SW
	AS	CATEYE RR-550-WUA SW
Reflector	DIN	CATEYE RR317-WUA SW
	Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)	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 shifter		SL-RS34/RS35/RS36/RS45/RS47	SL-RS34/RS35/RS36/RS45/RS47	-	-	-	-
Front speeds		-	-	-	-	-	-
Rear speeds		7	6	-	-	-	-
Shifter 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	-	-	-
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
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL
SW
RD
FD
SMAD
SC
SL
SLMT/SMCL
BL
RD
FD
BR
BR
FC
SMCD/SMCR
BB
CS
HB
FH
WH
CI-DECK

Shifter

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 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		Straight	Straight	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 shifter 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)		108	108	-
Note				* 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	-	-	-	-
	Roller 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
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
RD construction	SHIMANO SHADOW RD		X	X	-	-
	SHIMANO SHADOW RD+		-	-	-	-
	Double servo		-	-	X	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X
		Direct mount	X	X	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-
		Direct mount	-	-	-	-
	UDH standard		-	-	-	-
	Riveted adapter	ROAD type	-	-	-	-
		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.		

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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)	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
	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		-	-	-	-	-	-	
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		Series color	Series color	Series color
	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)	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	-	-	-
	Direct mount		-	-	-
	Dual-pull		X	X	X
Cable route type	Top-pull exclusive		-	-	-
	Down-pull exclusive		-	-	-
	Front-pull		-	-	-
	Chain line (mm)		48.8	50	50
Chainstay angle (deg.)		63-68	63-66	66-69	
Top gear teeth		46T	44T, 48T	44T, 48T	
Total capacity		16T	22T	22T	
Applicable top-mid tooth difference		-	12T	12T	
Multi access cable fixing screw		-	-	-	
Angled stroke adjust screw		-	-	-	
Angled clamp band design		X	X	X	
Link bushings		-	-	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	
Note		* S-size adapter is available only OTC package			

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		-	-
Fixing screw length (mm)	Light weight link	-	-
	16	X	X
Fixing screw	25	X	X
	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
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 9-speed	HG 9-speed	HG 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
Chainring combination		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, 48-36-26T
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	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
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-MT801	BB-MT501	BB-MT501	BB-ES300	BB-MT501	BB-ES300	BB-UN300
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	BB-MT501	BB-MT501	-	BB-MT501	-	BB-UN300-K
	Press-Fit	BB-MT800-PA	BB-MT500-PA	-	-	-	-	-
Axle length of BB-UN/ES (mm)		-	-	-	121-AK	-	126	LL123
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	X (44-32-22T), - (48-36-26T)
Crank fixing screw included		X	X	X	X	X	X	X
Average weight (g) (175 mm, w/o bottom bracket)		868	-	-	-	-	-	-
Note								

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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			

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		11/10/9/8/7	11/10/9/8/7
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	-	-
	150 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
Spline type	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X
	HG spline S (7-speed)	-	-
Seal	Hub	Labyrinth+Contact	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
Model no.		ST-RX825-R	ST-RX825-L	ST-RX815-R	ST-RX815-L
Color	1	Series color	Series color	Series color	Series color
	2	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Remote switch		X	X	X	X
Brake lever	Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	Hose joint		Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black
		2	-	-	-
	Recommended brake caliper		BR-RX820	BR-RX820	BR-RX810, BR-RX820
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		X	X	X
	Clamp band (mm)		23.8-24.2	23.8-24.2	23.8-24.2
	Funnel bleeding		X	X	X
	Free stroke adjust		X	X	X
Di2 connectivity wired	SERVO WAVE		X	X	X
	Di2 shifting		-	-	X
Di2 connectivity wireless	Di2 shifting		X	X	-
	Di2 shifting		-	-	-
Master unit		-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X
SD50 port (pcs)		0	0	2	2
SD300 port (pcs)		1	1	0	0
SD50 connector (pcs)		0	0	0	0
SD300 connector (pcs)		0	0	0	0
Port for SD50 remote sprinter shifter (pcs)		0	0	0	0
Port for SD300 satellite shifter (pcs)		1	1	0	0
Battery		CR1632 x 2	CR1632 x 2	-	-
Average weight (g)		415 (/pair)	415 (/pair)	373 (/pair)	373 (/pair)
Note					

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Rear Derailleur

Series			GRX	GRX	GRX	GRX
Model no.			RD-RX825	RD-RX827-SGS	RD-RX815	RD-RX817
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Rear speeds			12	12	11	11
RD construction	SHIMANO SHADOW RD		-	-	-	-
	SHIMANO SHADOW RD+		X	-	X	X
	Double servo		-	-	-	-
	SHADOW ES		-	X	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-
		Direct mount	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	-	X	X
		Direct mount	X	-	X	X
	UDH standard		X	X	-	-
	Max. front difference			17T	0T	17T
Total capacity			40T	41T	38T	31T
Low sprocket	Max.		36T	51T	34T	42T
	Min.		34T	51T	30T	40T
Top sprocket	Max.		11T	10T	11T	11T
	Min.		11T	10T	11T	11T
Fluoric coated link bushings			4	8	4	4
Pulley	Guide pulley bearing		Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
	Tension pulley bearing		Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
	Teeth		11/13T	13T	13T	11T
	Sunken type pulley screw		X	X		
B-axle	Hollow axle		X	Hollow axle	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	Cycling power	-	-	-	-
		ANT+	-	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	X	X	-	-
		Di2 battery level	X	X	-	-
		Gear position	X	X	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	-	-
		Compatible with E-TUBE RIDE	X	X	-	-
		Compatible with E-TUBE PROJECT	X	X	-	-
		Adjust mode information	X	X	-	-
	ANT private (*2)	Di2 battery level	X	X	-	-
		Gear position	X	X	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	-	-
		Firmware update by E-TUBE PROJECT		X	X	X
SD50 port (pcs)		0	0	1	1	
SD300 port (pcs)		1	0	0	0	
SD50 connector (pcs)		0	0	0	0	
SD300 connector (pcs)		0	0	0	0	
LED for system status		X	X	-	-	
Power supply	Built-in battery		-	X	-	-
	Wired		X	-	X	X
Charging port			X	-	-	-
Charging cable			EW-EC300	-	-	-
Average weight (g)			310		287	318
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.			w/o Bracket spec. available			

Front Derailleur

Series		GRX	GRX
Model no.		FD-RX825	FD-RX815-F
Color	1	Series color	Series color
	2	-	-
Front speeds		2	2
Rear speeds		12	11
Compatible chain		HG 12-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-
	Down swing	X	X
Mount	Clamp band1	-	-
	Clamp band2	-	-
	Clamp band3	-	-
	Brazed-on	X	X
Chain line (mm)		47	47
Chainstay angle (deg.)		63-66	61-66
Top gear teeth		46-48T	46-48T
Total capacity		17T	17T
Link bushings		2	2
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
Average weight (g) (band type: L size, direct type w/ screw)		142	135
Note			

Shift/Brake Lever (Hydraulic Disc Brake)

Series		GRX	GRX	GRX	GRX	GRX	GRX	GRX
Model no.		ST-RX820-R	ST-RX820-L	ST-RX820-LA	ST-RX810-R	ST-RX810-R-LE	ST-RX810-L	ST-RX810-L-LE
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Bracket cover color	1	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	2	-	-	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	Single lever for dropper seat post	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds	-	2	1	-	-	2	2
	Rear speeds	12	-	-	11	11	-	-
	Max. multiple shifts (main lever/rear)	2	-	-	2	2	-	-
	Multi-bearing construction	-	-	-	-	-	-	-
Shift lever cable	Outer casing	Lever side	OT-SP41	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
		OPTISLICK	-	-	X	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
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
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-
	Recommended brake caliper		BR-RX820	BR-RX820	BR-RX820	BR-RX810, BR-RX820	BR-RX810, BR-RX820	BR-RX820-LE
	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	X	X	X	X
	SERVO WAVE		X	X	X	X	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
Average weight (g)			289	283	263	286	286	284
Note								

Series		GRX	GRX	GRX	GRX	GRX	GRX	GRX
Model no.		ST-RX810-LA	ST-RX610-R	ST-RX610-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	Series color
	2	-	-	-	-	-	-	-
Bracket cover color	1	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	2	-	-	-	-	-	-	-
Shifter type		Single lever for adjustable seat post	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds	1	-	2	-	2	-	2
	Rear speeds	-	12	-	11	-	10	-
	Max. multiple shifts (main lever/rear)	-	2	-	2	-	2	-
	Multi-bearing construction	-	-	-	-	-	-	-
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	-	OT-RS900	-	OT-RS900	OT-RS900	OT-RS900
	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	X	X	X	X	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
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-RX820	BR-RX400, BR-RX410	BR-RX400, BR-RX410	BR-RX810, BR-RX410	BR-RX400, BR-RX410	BR-RX400, BR-RX410
	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	-	-	-	-	-
	SERVO WAVE		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
Average weight (g)			263	610 (/pair)	610 (/pair)	307	306	306
Note								

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Shifter

Series			GRX
Model no.			SL-RS700-R-LE
Color	1		Black
	2		-
Shifter type			RAPIDFIRE PLUS
Front speeds			-
Rear speeds			11
Compatible rear derailleur type			ROAD 11-speed
Mount type	Clamp band		X
	I-SPEC B		-
	I-SPEC II		-
Shift lever position adjust			-
Shift lever cable adjust			X
Max. multiple shifts (main lever/rear)			4
Release function	MULTI RELEASE		*X
	INSTANT RELEASE		X
	2-WAY RELEASE		X
OPTICAL GEAR DISPLAY	With		-
	With (removable)		-
	Without		X
Multi-bearing construction			2
Shift lever cable	Inner cable	Polymer-coated cable	-
		OPTISLICK	-
		SIL-TEC	X
		Stainless	X
		Steel	-
Recommended shift lever outer casing			OT-SP41
Average weight (g)			110
Note			* Pull: single Push: double

Brake Lever (Hydraulic Disc Brake)

Series		GRX	GRX	GRX	GRX	GRX	GRX
Model no.		BL-RX825-L	BL-RX820-L	BL-RX810-L	BL-RX810-L-LE	BL-RX610-L	BL-RX600-L
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		-	-	-	-	-	-
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	-	-	-	-	-	-
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-J-SSR
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
SERVO WAVE		X	X	X	X	-	-
Reach adjust	Toolless	-	-	-	-	-	-
	Tool	X	X	X	X	X	X
Free stroke adjust		X	X	X	X	-	-
Clamp band	I-SPEC	-	-	-	-	-	-
	Open clamp	-	-	-	-	-	-
	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
Recommended brake caliper		BR-RX820	BR-RX820	BR-RX810, BR-RX820	BR-RX820-LE	BR-RX400, BR-RX410	BR-RX810, BR-RX410
Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel bleeding		X	X	X	X	X	X
Average weight (g)		-	222	222	222	543 (ST-RX610-R+BL-RX610-L)	227
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	-	-
SERVO WAVE		-	-
Reach adjust	Toolless	-	-
	Tool	X	X
Free stroke adjust		-	-
Clamp band	New band	X	X
	I-SPEC B	-	-
	I-SPEC II	-	-
	Open clamp	-	-
Recommended brake caliper		BR-RX810	BR-RX810
Oil		SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X
Average weight (g)		79	79
Note		-	-

Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)

Series		GRX	GRX
Model no.		BL-T8100-R-LE	BL-T8100-L-LE
Brake type		Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3
Color	1	Series color	Series color
	2	-	-
	3	-	-
Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR
Hose joint		Straight	Straight
Brake hose color (kit)	1	Black	Black
	2	-	-
J-Kit spec (for OEM)		-	-
SERVO WAVE		-	-
Reach adjust	Toolless	X	X
	Tool	-	-
Free stroke adjust		-	-
Compatible shifter mount	Clamp band	X	X
	I-SPEC B	-	-
	I-SPEC II	X	X
	I-SPEC EV	-	-
Clamp band	Open clamp	X	X
Recommended brake caliper		BR-RX820-LE	BR-RX820-LE
Oil		SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X
Average weight (g)		108	108
Note			

Rear Derailleur

Series			GRX	GRX	GRX	GRX	GRX
Model no.			RD-RX820	RD-RX822-GS	RD-RX822-SGS	RD-RX810	RD-RX810-LE
Color	1		Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-
Rear speeds			12	12	12	11	11
Compatible chain			HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-
	SHIMANO SHADOW RD+		X	X	X	X	X
	Double servo		-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X	X
		Direct mount	X	-	-	X	X
	UDH standard		X	X	X	-	-
	Riveted adapter	ROAD type	-	-	-	-	-
		BMX-track type	-	-	-	-	-
	Cable adjuster			X	X	X	X
Max. front difference			17T	-	-	17T	17T
Total capacity			42T	35T	41T	40T	40T
Low sprocket	Max.		36T	45T	51T	34T	34T
	Min.		34T	45T	51T	30T	30T
Top sprocket	Max.		11T	10T	10T	11T	11T
	Min.		11T	10T	10T	11T	11T
Fluoric coated link bushings			4	6	6	4	4
Pulley	Guide pulley bearing		X	X	X	X	X
	Tension pulley bearing		X	X	X	X	X
	Teeth		11/13T	13T	13T	13T	13T
	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)			270	290	288	255	255
Note						-	

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Rear Derailleur

Series			GRX	GRX	GRX
Model no.			RD-RX812	RD-RX812-LE	RD-RX400
Color	1		Series color	Series color	Series color
	2		-	-	-
Rear speeds			11	11	10
Compatible chain			LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed
RD construction	SHIMANO SHADOW RD		-	-	-
	SHIMANO SHADOW RD+		X	X	X
	Double servo		-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-
		Direct mount	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X
		Direct mount	X	X	X
	UDH standard		-	-	-
	Riveted adapter	ROAD type	-	-	-
		BMX-track type	-	-	-
	Cable adjuster			X	X
Max. front difference			-	-	16T
Total capacity			31T	31T	41T
Low sprocket	Max.	42T	42T	36T	
	Min.	40T	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		11T	11T	11T
	Sunken type pulley screw		X	X	X
B-axle	Hollow axle		X	X	X
B-axle 2	Hollow axle		-	-	-
Average weight (g)			267	267	303
Note			-	-	-

Front Derailleur

Series			GRX	GRX	GRX	GRX
Model no.			FD-RX820	FD-RX810-F	FD-RX810-F-LE	FD-RX400-F
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Front speeds			2	2	2	2
Rear speeds			12	11	11	10
Compatible chain			HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed
Action	TOP SWING		-	-	-	-
	Down swing		X	X	X	X
Mount	Clamp band (mm)	28.6	-	-	-	-
		31.8	-	-	-	-
		34.9	-	-	-	-
	Brazed-on		X	X	X	X
Cable adjust			X	X	X	X
Cable route type	Top-pull exclusive		-	-	-	-
Chain line (mm)			47	47	47	47
Chainstay angle (deg.)			63-66	63-66	63-66	63-66
Top gear teeth			46-48T	46-48T	46-48T	46T
Total capacity			17T	17T	17T	16T
Applicable top-mid tooth difference			-	-	-	-
Angled clamp band design			-	-	-	-
Multi-bearing construction			-	-	-	-
Link bushings			7	7	7	7
Average weight (g) (band type: L size, direct type w/ screw)			96	96	96	96
Note						

Brake (Hydraulic Disc Brake)

Series		GRX	GRX	GRX	GRX	GRX	GRX
Model no.		BR-RX820	BR-RX820-LE	BR-RX810-F	BR-RX810-R	BR-RX410-F	BR-RX410-R
Color	1	Series color	Series color	Series color	Series color	Black	Black
	2	-	-	-	-	-	-
	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-JK-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-J-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	-	-	-	-	-	-
J-Kit spec (for OEM)		X	-	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		X	X	X	X	X	X
Pad	Standard 1	K05S-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	L05A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 1	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
	Option 2	-	-	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	-
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	-	X
	30 mm mount	X	-	-	X	-	X
	35 mm mount	X	-	-	X	-	X
Recommended brake lever		ST-RX820 ST-RX820-LA BL-RX820-L ST-RX825	ST-RX810-LE BL-RX810-L-LE BL-T8100-LE	ST-RX810 BL-RX810 ST-RX815	ST-RX810 BL-RX810 ST-RX815	ST-RX610	ST-RX610
Recommended disc brake rotor		RT-CL800	SM-RT800, RT-MT800	SM-RT800, RT-MT800	SM-RT800, RT-MT800	RT-CL700 SM-RT64	RT-CL700 SM-RT64
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	Flat mount	Flat mount	Flat mount
Piston		2	2	2	2	2	2
Caliper	MONO-BODY	-	-	-	-	-	-
	Tool size	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
Caliper fixing screw	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin
	Pad mount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		139 (Front) 122 (Rear)	139 (Front) 122 (Rear)	141	124	-	-
Note			Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor

Series		GRX	GRX
Model no.		BR-RX400-F	BR-RX400-R
Color	1	Series color	Series color
	2	-	-
	3	-	-
Brake type		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
Hose joint		Straight	Straight
Brake hose color (kit)	1	Black	Black
	2	-	-
J-Kit spec (for OEM)		X	X
ICE TECHNOLOGIES pad compatible caliper		X	X
Pad	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 1	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)
	Option 2	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
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-RX400 ST-RX600 BL-RX600	ST-RX400 ST-RX600 BL-RX600
Recommended disc brake rotor		SM-RT70, SM-RT64	SM-RT70, SM-RT64
Oil		SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		X	X
Mount type		Flat mount	Flat mount
Piston		2	2
Caliper	MONO-BODY	-	-
	Tool size	4 mm	4 mm
Caliper fixing screw	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring
	Pad mount	Pad axle	Pad axle
Average weight (g)		-	-
Note		Front spec with adaptor	Front spec with adaptor

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Crankset



Series		GRX	GRX	GRX	GRX	GRX	GRX
Model no.		FC-RX820-2	FC-RX820-1	FC-RX810-2	FC-RX810-1	FC-RX810-11-2-LE	FC-RX810-11-1-LE
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Rear speeds		12	12	11	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		47	49.7	47	49.7	47	49.7
P.C.D. (mm)		110/80	110	110/80	110	110/80	110
Spider/gear arms		4	4	4	4	4	4
Chainring combination		48-31T	40T, 42T	48-31T	40T, 42T	48-31T	40T
Q-factor (mm)		151	151	151	151	151	151
Crank arm length (mm)	165	-	-	-	-	-	-
	167.5	-	-	-	-	-	-
	170	X	X	X	X	X	X
	172.5	X	X	X	X	X	X
	175	X	X	X	X	X	X
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	-
Optional chain guard		Without chain/bash guard	X	X	X	X	X
HOLLOWTECH II		X	X	X	X	X	X
2-PIECE CRANKSET		-	-	-	-	-	-
HOLLOWTECH crank arm		X	X	X	X	X	X
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60
	Press-Fit	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-
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	X	X
Average weight (g) (170 mm, w/o bottom bracket)		710	644 (40T) 656 (42T)	710	644 (40T) 656 (42T)	710	644
Note							

Series		GRX	GRX	GRX	GRX	GRX
Model no.		FC-RX610-2	FC-RX610-1	FC-RX600-11	FC-RX600-10	FC-RX600-1
Color	1	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-
Rear speeds		12	12	11	10	11
Compatible chain		HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	HG 10-speed	LINKGLIDE, HG 11-speed
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
Chainring combination		46-30T	38T, 40T	46-30T	46-30T	40T
Q-factor (mm)		151	151	151	151	151
Crank arm length (mm)	165	X	X	X	X	X
	167.5	-	-	-	-	-
	170	X	X	X	X	X
	172.5	X	X	X	X	X
	175	X	X	X	X	X
	177.5	-	-	-	-	-
	180	-	-	-	-	-
	With chain guard	-	-	-	-	-
Optional chain guard		Without chain/bash guard	X	X	X	X
HOLLOWTECH II		-	-	-	-	-
2-PIECE CRANKSET		X	X	X	X	X
HOLLOWTECH crank arm		X	X	-	-	-
OCTALINK		-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X
	OCTALINK	-	-	-	-	-
	Square	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB
Axle length of BB-UN/ES (mm)		-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X
	70	X	X	X	X	X
Crank fixing screw included		X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		811	791 (38T) 812 (40T)	817	821	754
Note						

Wheel (Disc Brake)

Series		GRX	GRX	SHIMANO	SHIMANO	GRX	GRX
Model no.		WH-RX870-TL-F12-700C	WH-RX870-TL-R12-700C	WH-RX880-TL-F12-700C	WH-RX880-TL-R12-700C	WH-RX570-TL-F12-700C	WH-RX570-TL-F12-650B
Model name		WH-RX870-TL	WH-RX870-TL	WH-RX880-TL	WH-RX880-TL	WH-RX570-TL	WH-RX570-TL
Specification		F12-700C	R12-700C	F12-700C	R12-700C	F12-700C	F12-650B
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front	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
Rear speeds		-	12/11	-	12	-	-
O.L.D. (mm)		100	142	100	142	100	100
Wheel size		622 x 25C (700C)	622 x 25C (700C)	622 x 25C (700C)	622 x 25C (700C)	622 x 21C (700C)	584 x 21C (650B)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	32-622 - 50-622	32-622 - 50-622	32-622 - 50-622	32-622 - 50-622	32-622 - 42-622	38-584 - 53-584
Rim	Height (mm)	32	32	32	32	22	22
	Internal width (mm)	25	25	25	25	21.6	21.6
	External width (mm)	30.7	30.7	30.7	30.7	26	26
	Rim joint	-	-	-	-	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	X	X
	Requires rim tape	X	X	X	X	X	X
Spokes	Number	24	24	24	24	24	24
	Straight pull	X	X	-	-	X	X
	Bladed	X	X	X	X	X	X
	Butted	X	X	X	X	-	-
	Diameter (mm)	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	2
Axle fixing method		E-THRU	E-THRU	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	-	X	X
	142 x 12	-	X	-	X	-	-
Spline type	MICRO SPLINE	-	-	-	X	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	X	-	-
	HG spline L (ROAD 12/11-speed)	-	X	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagement type		-	Pawl ratchet	-	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)		-	-	-	-	-	-
D2 rim		-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	-
Internal grease sleeve		-	-	-	-	X	X
Compatible spoke protector		-	CP-WH30(11-34T) CP-WH26(11-40T/42T)	-	CP-WRX8A(34T/36T) CP-WRX8B(45T/51T)	-	-
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)		639	822	635	762 (HG-spline L2) 759 (MICRO SPLINE)	769	737
Note							

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

 ST

 RD

 FD

 ST

 SL

 BL

 RD

 FD

 BR

 FC

 WH

Wheel (Disc Brake)

Series		GRX	GRX	SHIMANO	SHIMANO
Model no.		WH-RX570-TL-R12-700C	WH-RX570-TL-R12-650B	WH-RX180-TL-F12-700C	WH-RX180-TL-R12-700C
Model name		WH-RX570-TL	WH-RX570-TL	WH-RX180-TL	WH-RX180-TL
Specification		R12-700C	R12-650B	F12-700C	R12-700C
Color	1 Hub shell	Black	Black	Black	Black
	1 Quick release	-	-	-	-
	2 Hub shell	-	-	-	-
	2 Quick release	-	-	-	-
Front/Rear		Rear	Rear	Front	Rear
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		11/10	11/10	-	12
O.L.D. (mm)		142	142	100	142
Wheel size		622 x 21C (700C)	584 x 21C (650B)	622 x 25C (700C)	622 x 25C (700C)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	32-622 - 42-622	38-584 - 53-584	32-622 - 50-622	32-622 - 50-622
Rim	Height (mm)	22	22	21	21
	Internal width (mm)	21.6	21.6	25	25
	External width (mm)	26	26	28.8	28.8
	Rim joint	Welded	Welded	-	-
	Brazed reinforcement	-	-	-	-
	OFFSET RIM	X	X	X	X
	Requires rim tape	X	X	X	X
Spokes	Number	24	24	24	24
	Straight pull	X	X	-	-
	Bladed	X	X	-	-
	Butted	-	-	X	X
	Diameter (mm)	2	2	2.3-2.0-2.3	2.3-2.0-2.3
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	-
	142 x 12	X	X	-	X
Spline type	MICRO SPLINE	-	-	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-
	HG spline L (ROAD 12/11-speed)	X	X	-	X
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-
	HG spline S (7-speed)	-	-	-	-
Engagement type		Pawl ratchet	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	X	X
OPTBAL (2:1)		-	-	-	-
D2 rim		-	-	-	-
Digital adjustment system		-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	Contact	-	Contact
Internal grease sleeve		X	X	-	-
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)		951	920		
Note					

Shift/Brake Lever (Hydraulic Disc Brake)

Series			DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105
Model no.			ST-R9270-R	ST-R9270-L	ST-R8170-R	ST-R8170-L	ST-R7170-R	ST-R7170-L
Color	1		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
Remote switch			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-J-SSR, SM-BH90-JK-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-R9270	BR-R9270	BR-R8170	BR-R8170	BR-R7170	BR-R7170
	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
Di2 connectivity wired	Funnel bleeding		X	X	X	X	X	X
	Free stroke adjust		X	X	X	X	X	X
	SERVO WAVE		X	X	X	X	-	-
	Di2 shifting		X	X	X	X	-	-
Di2 connectivity wireless	Di2 shifting		X	X	X	X	X	X
Master unit			-	-	-	-	-	-
Firmware update by E-TUBE PROJECT			X	X	X	X	X	X
SD50 port (pcs)			0	0	0	0	0	0
SD300 port (pcs)			1	1	1	1	1	1
SD50 connector (pcs)			0	0	0	0	0	0
SD300 connector (pcs)			0	0	0	0	0	0
Port for SD50 remote sprinter shifter (pcs)			0	0	0	0	0	0
Port for SD300 satellite shifter (pcs)			1	1	1	1	0	0
Battery			CR1632	CR1632	CR1632	CR1632	CR1632 x 2	CR1632 x 2
Average weight (g)			350 (/pair)	350 (/pair)	391 (/pair)	391 (/pair)	423 (/pair)	423 (/pair)
Note								

Series			DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Model no.			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
	2		-	-	-	-	-	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Remote switch			X	X	-	-	X	X
Brake lever	Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SS	SM-BH90-JK-SS	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	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-R9170	BR-R9170	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	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
Di2 connectivity wired	Free stroke adjust		X	X	-	-	X	X
	SERVO WAVE		-	-	-	-	-	-
	Di2 shifting		X	X	X	X	X	X
Di2 connectivity wireless	Di2 shifting		-	-	-	-	-	-
Master unit			-	-	-	-	-	-
Firmware update by E-TUBE PROJECT			X	X	X	X	X	X
SD50 port (pcs)			2	2	1	1	2	2
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
Port for SD50 remote sprinter shifter (pcs)			0	0	0	0	0	0
Port for SD300 satellite shifter (pcs)			0	0	0	0	0	0
Battery			-	-	-	-	-	-
Average weight (g)			160	160	99	99	180	180
Note								

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



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	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	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	0	0	0
Battery		-	-	-	-	-	-	-
Average weight (g)		230 (/pair)	230 (/pair)	295 (/pair)	295 (/pair)	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	2 /each, total 4	0
SD300 port (pcs)		0	0	0	0	0	0	0
SD50 connector (pcs)		0	0	0	0	0	0	1 /each, total 2
SD300 connector (pcs)		0	0	0	0	0	0	0
Port for SD50 remote sprinter shifter (pcs)		0	1	1	0	0	1 /each, total 2	0
Port for SD300 satellite shifter (pcs)		0	0	0	0	0	0	0
Battery		-	-	-	-	-	-	-
Average weight (g)		127 (/pair)	295 (/pair)	295 (/pair)	138 (/pair)	138 (/pair)	303.2 (/pair)	148 (/pair)
Note		-	-	-	-	-	-	-

Shift Switch

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	DURA-ACE	SHIMANO	SHIMANO	SHIMANO
Model no.	SW-RS801-E	SW-RS801-S	SW-RS801-T	SW-R9150	SW-R9160	SW-R671	SW-R610	SW-R600
Switch type	Extra long cable, for Remote extension bar switch	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	Extension bar	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	0	2	0	0	0
SD300 port (pcs)	0	0	0	0	0	0	0	0
SD50 connector (pcs)	0	0	0	2	0	2	0	1
SD300 connector (pcs)	0	0	0	0	0	0	0	0
Connector for SD50 remote sprinter shifter (pcs)	0	0	0	0	0	0	2	0
Connector for SD300 satellite shifter (pcs)	1/each, total 2	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	0
Port for SD300 satellite shifter (pcs)	0	0	0	0	0	0	0	0
Wireless shifting	-	-	-	-	-	-	-	-
Average weight (g)	16.5 (/pair)	6.4 (/pair)	11.8 (/pair)	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	2 pcs switch in a spec model					

Rear Derailleur

Series			DURA-ACE	ULTEGRA	SHIMANO 105	DURA-ACE	ULTEGRA
Model no.			RD-R9250	RD-R8150	RD-R7150	RD-R9150	RD-R8050-SS
Color	1		Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-
Rear speeds			12	12	12	11	11
RD construction	SHIMANO SHADOW RD		X	X	X	X	X
	SHIMANO SHADOW RD+		-	-	-	-	-
	Double servo		-	-	-	-	-
	SHADOW ES		-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X	X
		Direct mount	X	X	X	X	X
	UDH standard		X	X	X	-	-
	Max. front difference		16T	16T	16T	16T	16T
Total capacity			37T	39T	41T	33T	33T
Low sprocket	Max.		34T	34T	36T	30T	30T
	Min.		30T	30T	34T	25T	25T
Top sprocket	Max.		11T	11T	11T	14T	14T
	Min.		11T	11T	11T	11T	11T
Fluoric coated link bushings			4	4	4	4	4
Pulley	Guide pulley bearing		X	X	-	X	X
	Tension pulley bearing		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		X	X	X	X	X
Di2 connectivity wired	Di2 shifting		X	X	X	X	X
Di2 connectivity wireless	Di2 shifting		X	X	X	-	-
	Bluetooth® LE ANT+	Cycling power	-	-	-	-	-
		Bicycle power	-	-	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	X	X	X	-	-
		Di2 battery level	X	X	X	-	-
		Gear position	X	X	X	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	-
		Compatible with E-TUBE RIDE	X	X	X	-	-
		Compatible with E-TUBE PROJECT	X	X	X	-	-
	ANT private (*2)	Adjust mode information	X	X	X	-	-
		Di2 battery level	X	X	X	-	-
		Gear position	X	X	X	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	X	X	X	-	-
	Firmware update by E-TUBE PROJECT			X	X	X	X
SD50 port (pcs)			0	0	0	1	1
SD300 port (pcs)			1	1	1	0	0
SD50 connector (pcs)			0	0	0	0	0
SD300 connector (pcs)			0	0	0	0	0
LED for system status			X	X	X	-	-
Power supply	Built-in battery		-	-	-	-	-
	Wired		X	X	X	X	X
Charging port			X	X	X	-	-
Charging cable			EW-EC300	EW-EC300	EW-EC300	-	-
Average weight (g)			215	262	302	197	240
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.			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

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL
ST
SW
RD
FD
SMAD
ST
SL
BL
BR
BR
BR
BR
BC
RD
FD
FC
BB
CS
HB
FH
WH
HP

Rear Derailleur

Series			ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA RX
Model no.			RD-R8050-GS	RD-6870-SS	RD-6870-GS	RD-RX805-GS
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Rear speeds			11	11	11	11
RD construction	SHIMANO SHADOW RD		X	-	-	-
	SHIMANO SHADOW RD+		-	-	-	X
	Double servo		-	X	X	-
	SHADOW ES		-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-
		Direct mount	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X
		Direct mount	X	-	-	X
		UDH standard		-	-	-
	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		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
Di2 connectivity wired	Di2 shifting		X	X	X	X
	Di2 shifting		-	-	-	-
Di2 connectivity wireless	Bluetooth® LE ANT+	Cycling power	-	-	-	-
		Bicycle power	-	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	-	-	-	-
		Di2 battery level	-	-	-	-
		Gear position	-	-	-	-
		SHIMANO E-BIKE SYSTEMS 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 E-BIKE SYSTEMS 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			-	-	-	-
Power supply	Built-in battery		-	-	-	-
	Wired		X	X	X	X
Charging port			-	-	-	-
Charging cable			-	-	-	-
Average weight (g)			247	257	268	280
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.			* w/o Bracket spec. available			* w/o Bracket spec. available

Front Derailleur

Series		DURA-ACE	ULTEGRA	SHIMANO 105	DURA-ACE	ULTEGRA	ULTEGRA
Model no.		FD-R9250	FD-R8150	FD-R7150	FD-R9150	FD-R8050	FD-6870-F
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		12	12	12	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-	-	-	-	-
	Down swing	X	X	X	X	X	X
Mount	Clamp band1	-	-	-	-	-	-
	Clamp band2	-	-	-	-	-	-
	Clamp band3	-	-	-	-	-	-
	Brazed-on	X	X	X	X	X	X
Chain line (mm)		44.5	44.5	44.5	43.5	43.5	43.5
Chainstay angle (deg.)		61-66	61-66	61-66	61-66	61-66	61-66
Top gear teeth		46-54T	46-52T	50-52T	50T-55T	46T-53T	46T-53T
Total capacity		16T	16T	16T	16T	16T, 17T *	16T
Link bushings		4	4	2	4	2	4
Master unit		-	-	-	-	-	-
Firmware update by E-TUBE PROJECT		X	X	X	X	X	X
SD50 port (pcs)		0	0	0	1	1	1
SD300 port (pcs)		1	1	1	0	0	0
SD50 connector (pcs)		0	0	0	0	0	0
SD300 connector (pcs)		0	0	0	0	0	0
Average weight (g) (band type: L size, direct type w/ screw)		96	110	142	104	132	138.5
Note						* Use with E-BIKE	

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

- MTB
- TREKKING
- GRAVEL
- ROAD
- LIFESTYLE ACTIVE
- LIFESTYLE COMFORT
- GENERAL





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	-	
	Max. multiple shifts (main lever/ rear)	2	-	2	-	2	-	
	Multi-bearing construction	-	-	-	-	-	-	
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	-	-	-	-	-	-	
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	
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	
		2	-	-	-	-	-	
	Recommended brake caliper		BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-R8070	
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust		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	
	Funnel bleeding		X	X	X	X	X	
	Free stroke adjust		X	X	X	X	X	
SERVO WAVE		X	X	X	X	X		
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	SHIMANO 105	SHIMANO 105
Model no.		ST-R7120-R	ST-R7120-L	ST-R7020-R	ST-R7020-L	ST-R7025-R	ST-R7025-L
Color	1	Series color	Series color	Silky black	Silky black	Silky black	Silky 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	12	-	11	-	11	-
	Max. multiple shifts (main lever/ rear)	2	-	2	-	2	-
	Multi-bearing construction		-	-	-	-	-
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	-	-	-	-	-
		OPTISLICK	X	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
		Steel	-	-	-	-	-
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-JK-SSR, SM-BH90-J-SSR
	Hose joint		Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black
		2	-	-	-	-	-
	Recommended brake caliper		BR-R7170	BR-R7170	BR-R7070, BR-R7170	BR-R7070, BR-R7170	BR-R7070, BR-R7170
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		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
	Funnel bleeding		X	X	X	X	X
	Free stroke adjust		-	-	-	-	-
	SERVO WAVE		-	-	-	-	-
Average weight (g)		612 (/pair)	612 (/pair)	610 (/pair)	610 (/pair)	619 (/pair)	619 (/pair)
Note		-	-	-	-	For small hand.	For small hand.

Shift/Brake Lever (Hydraulic Disc Brake)

Series		TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SHIMANO
Model no.		ST-4720-R	ST-4720-L	ST-4725-R	ST-4725-L	ST-RS685-R	ST-RS685-L
Color	1	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
Shift lever	Front speeds	-	2	-	2	-	2
	Rear speeds	10	-	10	-	11	-
	Max. multiple shifts (main lever/rear)	2	-	2	-	2	-
	Multi-bearing construction	-	-	-	-	-	-
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	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
Brake lever	Brake hose (kit)		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-BH59-J-SS, SM-BH59-JK-SS	SM-BH59-J-SS, SM-BH59-JK-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black
		2	-	-	-	White	White
	Recommended brake caliper		BR-4770	BR-4770	BR-4770	BR-RS785	BR-RS785
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		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
	Funnel bleeding		X	X	X	X	X
	Free stroke adjust		-	-	-	X	X
	SERVO WAVE		-	-	-	X	X
Average weight (g)		-	-	-	-	649 (/pair)	649 (/pair)
Note				For small hand.	For small hand.		

Series		SHIMANO	SHIMANO
Model no.		ST-RS405-R	ST-RS405-L
Color	1	Dark gray	Dark gray
	2	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds	-	2
	Rear speeds	10	10
	Max. multiple shifts (main lever/rear)	2	-
	Multi-bearing construction	-	-
Shift lever cable	Outer casing	Lever side	OT-SP41
		Rear derailleur side	OT-SP41
	Inner cable	Polymer-coated cable	-
		OPTISLICK	X
		SIL-TEC	-
		Stainless	-
Brake lever	Brake hose (kit)		SM-BH59-J-SS
	Hose joint		Straight
	Brake hose color (kit)	1	Black
		2	-
	Recommended brake caliper		BR-RS405
	Oil		SHIMANO Mineral
	Reach adjust		X
	Clamp band (mm)		23.8-24.2
	Funnel bleeding		X
	Free stroke adjust		-
	SERVO WAVE		-
Average weight (g)		-	-
Note			

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GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



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	*	*
	Multi-bearing construction	R:4 L:4	R:4 L:4	R:4 L:4	*	*
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	OT-RS900	OT-RS900	OT-RS900	OT-RS900
	Inner cable	Polymer-coated cable	X	X	X	X
		OPTISLICK	-	-	-	-
		SIL-TEC	-	-	-	-
		Stainless	X	X	X	X
		Steel	-	-	-	-
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	-	-	-	-	-
Average weight (g)		365 (/pair)	365 (/pair)	365 (/pair)	220	218
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
	Multi-bearing construction	- *	0	0	0	0
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleur side	OT-SP41 sealed	OT-RS900	OT-SP41 sealed	OT-SP41 sealed
	Inner cable	Polymer-coated cable	X	-	-	-
		OPTISLICK	-	X	X	X
		SIL-TEC	-	-	-	-
		Stainless	X	X	X	X
		Steel	-	-	-	-
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	-	-	-	-	-
Average weight (g)		425 (/pair)	251	249	486 (/pair)	-
Note		* Use bush	-	-		

Series		TIAGRA	TIAGRA	SORA	SORA	SORA
Model no.		ST-4700-L	ST-4703-L	ST-R3000-R	ST-R3000-L	ST-R3030-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	3	-	2	3
	Rear speeds	-	-	9	-	-
	Multi-bearing construction	0	0	0	0	0
	Multi-bearing construction	0	0	0	0	0
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	-	-	-	-
		Stainless	X	X	X	X
		Steel	-	-	-	-
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	-	-	-
	NEW SUPER SLR	-	-	X	X	X
	SUPER SLR	-	-	-	-	-
Average weight (g)		-	-	-	-	-
Note						

Shift/Brake Lever

Series		CLARIS	CLARIS	CLARIS	CLARIS	CLARIS
Model no.		ST-R2000-R	ST-R2000-L	ST-R2030-L	ST-RS200-R	ST-RS200-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	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Shift lever	Front speeds	-	2	3	-	2
	Rear speeds	8	-	-	8	-
	Multi-bearing construction	-	-	-	-	-
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	-	-	-	-
		Stainless	-	-	-	-
		Steel	X	X	X	X
Brake lever	Reach adjust		Screw	Screw	X	X
	Clamp band (mm)		23.8-24.2	23.8-24.2	22.2	22.2
	SLR-EV		-	-	-	-
	NEW SUPER SLR		X	X	-	-
	SUPER SLR		-	-	X	X
Average weight (g)		-	-	-	-	-
Note						

Series			CLARIS
Model no.			ST-RS203-L
Color	1		Series color
	2		-
Shifter type			RAPIDFIRE PLUS
Shift lever	Front speeds		3
	Rear speeds		-
	Multi-bearing construction		-
Shift lever cable	Outer casing	Lever side	OT-SP41
		Rear derailleur side	OT-SP41 sealed
	Inner cable	Polymer-coated cable	-
		OPTISLICK	X
		SIL-TEC	-
		Stainless	-
		Steel	X
Brake lever	Reach adjust		X
	Clamp band (mm)		22.2
	SLR-EV		-
	NEW SUPER SLR		-
	SUPER SLR		X
Average weight (g)			-
Note			

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LIFESTYLE COMFORT
GENERAL



Shifter

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

Series			TIAGRA	DURA-ACE	SORA	SORA	SORA	CLARIS
Model no.			SL-4603	SL-7700	SL-R3000-R	SL-R3000-L	SL-R3030-L	SL-R2000-R
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS	Down tube shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds			3	2/3	-	2	3	-
Rear speeds			-	9	9	-	-	8
Compatible rear derailleur type			-	ROAD 9-speed	RD-R3000	FD-R3000	FD-R3030	ROAD 8-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)			-	-	3	-	-	3
Release function	MULTI RELEASE		-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-
	2-WAY RELEASE		X	-	X	X	X	X
OPTICAL GEAR DISPLAY	With		X	-	X	X	X	X
	With (removable)		-	-	-	-	-	-
	Without		-	X	-	-	-	-
Multi-bearing construction			2	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	-	-	X	X	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	X	X	X	X	X	-
		Steel	-	-	-	-	-	X
Recommended shift lever outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)			-	-	-	-	-	-
Note								

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

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 shifter 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)		
Note		

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.						

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

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-R7170
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Black
	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
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-J-SSR SM-BH90-JK-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	K05TI-RX Resin (w/o fin)	K05TI-RX Resin (w/o fin)	K05TI-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 1	K04TI-MX Metal (w/o fin)	K04TI-MX Metal (w/o fin)	K04TI-MX Metal (w/o fin)	L04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	L04C-MF Metal (w/ fin)
	Option 2	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-
Fixing screw spec for rear mount	10 mm mount	X	-	-	X	-	X	X
	15 mm mount	X	-	X	X	-	X	X
	20 mm mount	X	-	X	X	-	X	X
	25 mm mount	X	-	X	X	-	X	X
	30 mm mount	X	-	X	X	-	X	X
	35 mm mount	X	-	X	X	-	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-R7170
Recommended disc brake rotor		RT-MT900 RT-CL900	SM-RT900 RT-MT900 RT-CL900	SM-RT900 RT-MT900 RT-CL900	RT-MT800 RT-CL800	SM-RT800	SM-RT800	SM-RT70, SM-RT64
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	X	-	-	-	-	-	-
Caliper fixing screw	Tool size	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		97	131	111	123	141	124	123
Note								

BR
BR

BR
BC

RD
FD

FC
BB

CS
HB

FH
WH

HP

Series		SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-R7070-F	BR-R7070-R	BR-4770-F	BR-4770-R	BR-RS785	BR-RS405-F	BR-RS405-R
Color	1	Silky black	Silky black	Series color	Series color	Series color (ULTEGRA)	Dark gray	Dark gray
	2	Spark silver	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-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	White	-	-
J-Kit spec (for OEM)		X	X	X	X	X	X	X
ICE TECHNOLOGIES pad compatible caliper		X	X	-	-	X	X	X
Pad	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	J05A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	J04C-MF Metal (w/ fin)	-	-
	Option 1	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	L03A-RF Resin (w/ fin)	L03A-RF Resin (w/ fin)	G03A-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 2	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	-	-	-	-
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-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-RT70	SM-RT64	SM-RT64	SM-RT99	SM-RT70	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	Post type	Flat mount	Flat mount
Piston		2	2	2	2	2	2	2
Caliper	MONO-BODY	-	-	-	-	-	-	-
Caliper fixing screw	Tool size	4 mm	4 mm	4 mm	4 mm	5 mm	4 mm	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin	Snap ring	Screw fix pin+Snap ring	Screw fix pin
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average weight (g)		141	124	-	-	271 (/pair)	-	-
Note								

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	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	-	-	-
	Option 1	-	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	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 type	Flat mount	Flat mount
Piston		1	1	1
Caliper	MONO-BODY	-	-	-
	Tool size	5 mm	4 mm	4 mm
Caliper fixing screw	Anti loosen method	Snap ring	Screw fix pin+Snap ring	Screw fix pin
	Pad mount	Pad axle	Pad axle	Pad axle
Average weight (g)		-	-	-
Note		SHIMANO logo	SHIMANO logo	SHIMANO logo

Brake (Caliper Brake)

Series Model no.			DURA-ACE BR-R9200	DURA-ACE BR-R9210-F	DURA-ACE BR-R9210-RS	DURA-ACE BR-R9100	DURA-ACE BR-R9110-F	DURA-ACE BR-R9110-R
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
Reach (mm)			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
Compatibility			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
Tire guide bumpers			X	X	X	X	X	X
Quick release lever			X	X	X	X	X	-
Shoe angle adjusting			X	X	X	X	X	X
Spring tension adjusting			-	-	-	-	-	X
Maximum tire size			28C	28C	28C	28C	28C	28C
Rim width (mm)			20.8-28	20.8-28	20.8-28	20.8-28	20.8-28	20.8-28
Titanium cable fixing screw			X	X	X	X	X	X
Titanium pivot bolt			X	X (fixing screw)	X (fixing screw)	X	X (fixing screw)	X (fixing screw)
Average weight (g)			327 (/pair)	156 (/pc)	154 (/pc)	327 (/pair)	150 (/pc)	139 (/pc)
Note								Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

ST

SW

RD

FD

SMAD

ST

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BL

BR

BR

BR

BR

BC

RD

FD

FC

BB

CS

HB

FH

WH

HP

Brake (Caliper Brake)

Series			DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO	ULTEGRA
Model no.			BR-R9110-RS	BR-R8100	BR-R8110-F	BR-R8110-RS	BR-RS811-R	BR-R8000
Color	1		Series color	Series color	Series color	Series color	Black	Series color
	2		-	-	-	-	-	-
Type			Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot
Reach (mm)			51	51	51	51	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
Compatibility			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
				X	X	X	X	X
Cartridge shoe holder			X	X	X	X	X	X
Tire guide bumpers			X	X	X	X	X	X
Quick release lever			X	X	X	X	-	X
Shoe angle adjusting			X	X	X	X	X	X
Spring tension adjusting			-	-	-	-	X	-
Maximum tire size			28C	28C	28C	28C	28C	28C
Rim width (mm)			20.8-28	20.8-28	20.8-28	20.8-28	20.8-28	20.8-28
Titanium cable fixing screw			X	-	-	-	-	-
Titanium pivot bolt			X (fixing screw)	-	-	-	-	-
Average weight (g)			148 (/pc)	182 (Front) 180 (Rear)	180 (/pc)	178 (/pc)	-	182 (Front) 178 (Rear)
Note							Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.	

Series			ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.			BR-R8010-F	BR-R8010-R	BR-R8010-RS	BR-6800	BR-6810-F	BR-6810-RS
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Type			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
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	R55C4 carbon, R55C4-A carbon	R55C4 carbon, R55C4-A carbon
Compatibility			SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
Assembly pivot nut (mm)	Front (mm)	10.5	-	-	-	X	-	-
		12.5	-	-	-	X	-	-
		18.0	-	-	-	X	-	-
		27.0	-	-	-	X	-	-
		32.0	-	-	-	X	-	-
	Rear (mm)	10.5	-	-	-	X	-	-
Cartridge shoe holder			X	X	X	X	X	X
Tire guide bumpers			X	X	X	X	X	X
Quick release lever			X	-	X	X	X	X
Shoe angle adjusting			X	X	X	X	X	X
Spring tension adjusting			-	X	-	X	-	-
Maximum tire size			28C	28C	28C	25C	28C	28C
Rim width (mm)			20.8-28	20.8-28	20.8-28	19-28	19-28	19-28
Titanium cable fixing screw			-	-	-	-	-	-
Titanium pivot bolt			-	-	-	-	-	-
Average weight (g)			174 (/pc)	160 (/pc)	172 (/pc)	335 (/pair)	173 (/pc)	168 (/pc)
Note				Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.		* Rim width: 19-28 mm (R55C4-A carbon)	* Rim width: 19-28 mm (R55C4-A carbon)	* Rim width: 19-28 mm (R55C4-A carbon)

Series			SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	SORA	CLARIS
Model no.			BR-R7000	BR-R7010-F	BR-R7010-RS	BR-4700	BR-R3000	BR-R2000
Color	1		Silky black	Silky black	Silky black	Series color	Series color	Series color
	2		Spark silver	-	-	-	-	-
Type			SLR-EV Dual Pivot	Direct mount type	Direct mount type	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot
Brake shoe	Reach (mm)		51	51	51	51	51mm	51mm
	Standard		R55C4	R55C4	R55C4	R50T5	R50T5	R50T5
	Optional choice		R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R50T4	R50T4	R50T4
Assembly pivot nut (mm)	Compatibility		SLR-EV	SLR-EV	SLR-EV	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
	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	X
	Rear (mm)	10.5	X	-	-	X	X	X
Cartridge shoe holder			X	X	X	-	-	-
Tire guide bumpers			X	X	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	28C	28C	28 mm	28 mm
Rim width (mm)			20.8-28	20.8-28	20.8-28	19-26	19-28	19-26
Titanium cable fixing screw			-	-	-	-	-	-
Titanium pivot bolt			-	-	-	-	-	-
Average weight (g)			379 (/pair)	174 (/pc)	174 (/pc)	-	-	-
Note			-	-	-			

Brake (Caliper Brake)

Series			SHIMANO	SHIMANO
Model no.			BR-R561	BR-R451
Color	1		Silver	Black
	2		Black	Silver
Type			NEW SUPER SLR Dual pivot	SUPER SLR Dual Pivot
Reach (mm)			49	57
Brake shoe	Standard		R55C3	R50T2
	Optional choice		R55C for ceramic rim, R55C3 for carbon rim	-
Compatibility			NEW SUPER SLR	SUPER SLR
Assembly pivot nut (mm)	Front (mm)	10.5	X	X
		12.5	X	X
		18.0	X	X
		27.0	X	X
		32.0	-	-
	Rear (mm)	10.5	X	X
Cartridge shoe holder			X	-
Tire guide bumpers			-	-
Quick release lever			X	X
Shoe angle adjusting			X	X
Spring tension adjusting			-	-
Maximum tire size			28C	32C
Rim width (mm)			19-26	19-26
Titanium cable fixing screw			-	-
Titanium pivot bolt			-	-
Average weight (g)			-	-
Note			Maximum tire size: 28 mm	Quick release lever wider open Maximum tire size: 32 mm

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			Cyclocross 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	X	-
Note				

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Rear Derailleur

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		RD-R9100-SS	RD-9000-SS	RD-R8000-SS	RD-R8000-GS	RD-6800-SS	RD-6800-GS
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Rear speeds		11	11	11	11	11	11
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		X	-	X	-	-
	SHIMANO SHADOW RD+		-	-	-	-	-
	Double servo		-	X	-	X	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X	X
		Direct mount	X	-	X	-	-
	UDH standard		-	-	-	-	-
	Riveted adapter	ROAD type	-	-	-	-	-
		BMX-track type	-	-	-	-	-
	Cable adjuster		X	X	X	X	X
Max. front difference		16T	16T	16T	16T	16T	16T
Total capacity		35T	33T	35T	39T	33T	37T
Low sprocket	Max.	30T	28T	30T	34T	28T	32T
	Min.	25T	23T	25T	28T	23T	28T
Top sprocket	Max.	14T	14T	14T	12T	14T	12T
	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	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	207
Note		* w/o Bracket spec available		* w/o Bracket spec available	* w/o Bracket spec available		

Series		ULTEGRA RX	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105
Model no.		RD-RX800-GS	RD-R7100	RD-R7000-SS	RD-R7000-GS	RD-5701-SS	RD-5701-GS
Color	1	Series color	Series color	Silky black	Silky black	Black	Black
	2	-	-	Spark silver	Spark silver	Silver	Silver
Rear speeds		11	12	11	11	10	10
Compatible chain		LINKGLIDE, HG 11-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 10-speed	HG 10-speed
RD construction	SHIMANO SHADOW RD		X	X	X	-	-
	SHIMANO SHADOW RD+		X	-	-	-	-
	Double servo		-	-	-	X	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-	-
		Direct mount	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X	X
		Direct mount	X	X	X	-	-
	UDH standard		-	-	-	-	-
	Riveted adapter	ROAD type	-	-	-	-	-
		BMX-track type	-	-	-	-	-
	Cable adjuster		X	X	X	X	X
Max. front difference		16T	16T	16T	16T	16T	16T (front double), 22T (front triple)
Total capacity		39T	41T	35T	39T	34T	40T
Low sprocket	Max.	34T	36T	30T	34T	30T	30T (front triple), 32T (front double)
	Min.	28T	34T	25T	28T	25T	27T (front double), 25T (front triple)
Top sprocket	Max.	11T	11T	14T	12T	14T	12T (front double), 14T (front triple)
	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated link bushings		4	2	2	2	2	2
Pulley	Guide pulley bearing		X	X	-	-	-
	Tension pulley bearing		X	-	-	-	-
	Teeth		11T	11T	11T	11T	11T
	Sunken type pulley screw		X	X	X	X	X
B-axle	Hollow axle		X	-	-	-	-
B-axle 2	Hollow axle		-	-	-	-	-
Average weight (g)		248	249	225	232	230	243
Note		* w/o bracket spec available		* w/o Bracket spec available	* w/o Bracket spec available		

Rear Derailleur

Series			TIAGRA	TIAGRA	SORA	SORA	SHIMANO	CLARIS
Model no.			RD-4700-SS	RD-4700-GS	RD-R3000-SS	RD-R3000-GS	RD-R350-GS	RD-R2000-SS
Color	1		Series color	Series color	Series color	Series color	Black	Series color
	2		-	-	-	-	-	-
Rear speeds			10	10	9	9	9	8
Compatible chain			HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-	-
	SHIMANO SHADOW RD+		-	-	-	-	-	-
	Double servo		X	X	X	X	X	X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	-	-	-	-	-	-
	UDH standard		-	-	-	-	-	-
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
	Cable adjuster			X	X	X	X	X
Max. front difference			16T	16T (front double), 20T (front triple)	16T	20T	20T	16T
Total capacity			33T	41T	37T	43T	41T	37T
Low sprocket	Max.		28T	32T (front triple), 34T (front double)	32T	34T	32T	32T
	Min.		25T	28T (front double), 25T (front triple)	25T	28T	25T	25T
Top sprocket	Max.		14T	12T	14T	14T	14T	13T
	Min.		11T	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	11T
	Sunken type pulley screw		X	X	-	-	X	X
B-axle	Hollow axle		-	-	-	-	-	-
B-axle 2	Hollow axle		-	-	-	-	-	-
Average weight (g)			-	-	-	-	-	-
Note							SHIMANO logo	

Series			CLARIS
Model no.			RD-R2000-GS
Color	1	Series color	
	2	-	
Rear speeds			8
Compatible chain			HG 8/7/6-speed
RD construction	SHIMANO SHADOW RD		-
	SHIMANO SHADOW RD+		-
	Double servo		X
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	-
		Direct mount	-
	SHIMANO ROAD type	Direct attachment (conventional)	X
		Direct mount	-
	UDH standard		-
	Riveted adapter	ROAD type	-
		BMX-track type	-
Cable adjuster			X
Max. front difference			20T
Total capacity			43T
Low sprocket	Max.		34T
	Min.		28T
Top sprocket	Max.		13T
	Min.		11T
Fluoric coated link bushings			-
Pulley	Guide pulley bearing		-
	Tension pulley bearing		-
	Teeth		11T
	Sunken type pulley screw		X
B-axle	Hollow axle		-
B-axle 2	Hollow axle		-
Average weight (g)			-
Note			

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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		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-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)	-	X (w/ S size adapter)
		31.8	-	-	X	-	X
		34.9	-	-	X	-	X
	Brazed-on	X	-	X	-	X	-
Cable adjust		X	X	-	-	X	X
Cable route type	Top-pull exclusive	-	-	-	-	-	-
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-R7100-F	FD-R7100-B	FD-R7000-F	FD-R7000-B
Color	1	Series color	Series color	Series color	Series color	Silky black	Silky black
	2	-	-	-	-	Spark silver	Spark silver
Front speeds		2	2	2	2	2	2
Rear speeds		11	11	12	12	11	11
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-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)	-	X (w/ S size adapter)
		31.8	-	-	X	-	X
		34.9	-	-	X	-	X
	Brazed-on	X	-	X	-	X	-
Cable adjust		-	-	X	X	X	X
Cable route type	Top-pull exclusive	-	-	-	-	-	-
Chain line (mm)		43.5	43.5	44.5	44.5	43.5	43.5
Chainstay angle (deg.)		61-66	61-66	61-66	61-66	61-66	61-66
Top gear teeth		46-53T	46-53T	50-52T	50-52T	46-53T	46-53T
Total capacity		16T	16T	16T	16T	16T	16T
Applicable top-mid tooth difference		-	-	-	-	-	-
Angled clamp band design		-	-	-	X	-	X
Multi-bearing construction		-	-	-	-	-	-
Link bushings		7	7	7	7	7	7
Average weight (g) (band type: L size, direct type w/ screw)		89	104	96	111	96	111
Note				-	-	-	-

Series		SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	TIAGRA	TIAGRA
Model no.		FD-5700-F	FD-5703-F	FD-4700-F	FD-4700-B	FD-4703-F	FD-4703-B
Color	1	Black	Black	Series color	Series color	Series color	Series color
	2	Silver	Silver	-	-	-	-
Front speeds		2	3	2	2	3	3
Rear speeds		10	10	10	10	10	10
Compatible chain		HG 10-speed	HG 10-speed (for 3x10s)	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 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		-	-	-	-	-	-
Cable route type	Top-pull exclusive	-	-	-	-	-	-
Chain line (mm)		43.5	45	43.5	43.5	45	45
Chainstay angle (deg.)		61-66	63-66	61-66	61-66	63-66	63-66
Top gear teeth		50-56T	50T	46-52T	46-52T	50T	50T
Total capacity		16T	20T	16T	16T	20T	20T
Applicable top-mid tooth difference		-	11T	-	-	11T	11T
Angled clamp band design		-	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-
Link bushings		-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		89	114	-	-	-	-
Note					* 28.6 mm Clamp band: 31.8 mm w/ Adapter		* 28.6 mm Clamp band: 31.8 mm w/ Adapter

Front Derailleur

Series		SHIMANO	SHIMANO	SORA	SORA	SORA	SORA
Model no.		FD-CX70-F-T	FD-CX70-F-D	FD-R3000-F	FD-R3000-B	FD-R3030-F	FD-R3030-B
Color	1	Gray	Gray	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Front speeds		2	2	2	2	3	3
Rear speeds		10	10	9	9	9	9
Compatible chain		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 (w/ M size adapter)	-	X (w/ M size adapter)
		34.9	-	-	X	-	X
	Brazed-on	X	X	X	-	X	-
Cable adjust		-	-	-	-	-	-
Cable route type	Top-pull exclusive	X	-	-	-	-	-
	Chain line (mm)	43.5	43.5	43.5	43.5	45	45
Chainstay angle (deg.)		63-66	63-66	61-66	61-66	63-66	63-66
Top gear teeth		46-52T	46-52T	46-52T	46-52T	50T	50T
Total capacity		16T	16T	16T	16T	20T	20T
Applicable top-mid tooth difference		-	-	-	-	11T	11T
Angled clamp band design		-	-	X	X	X	X
Multi-bearing construction		-	-	-	-	-	-
Link bushings		7	7	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		92	87	-	-	-	-
Note							

Series		CLARIS	CLARIS	CLARIS	CLARIS
Model no.		FD-R2000-F	FD-R2000-B	FD-R2030-F	FD-R2030-B
Color	1	Series color	Series color	Series color	Series color
	2	-	-	-	-
Front speeds		2	2	3	3
Rear speeds		8	8	8	8
Compatible chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Action	TOP SWING	-	-	-	-
	Down 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)
		34.9	X	-	X
	Brazed-on	X	-	X	-
Cable adjust		-	-	-	-
Cable route type	Top-pull exclusive	-	-	-	-
	Chain line (mm)	43.5	43.5	45	45
Chainstay angle (deg.)		61-66	61-66	63-66	63-66
Top gear teeth		46-52T	46-52T	50T	50T
Total capacity		16T	16T	20T	20T
Applicable top-mid tooth difference		-	-	11T	11T
Angled clamp band design		X	X	X	X
Multi-bearing construction		-	-	-	-
Link bushings		-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-
Note					

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Crankset

Series		DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		FC-R9200	FC-R8100	FC-R7100	FC-R5520	FC-09	FC-R9100	FC-9000
Color	1	Series color	Series color	Black	Black	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		12	12	12	12	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		44.5	44.5	44.5	44.5	44.5	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
Chainring combination		46-36T, 50-34T, 52-36T, 54-40T	46-36T, 50-34T, 52-36T	50-34T, 52-36T	50-34T	50-34T, 52-36T, 54-40T	50-34T, 52-36T, 53-39T, 54-42T, 55-42T	50-34T, 52-36T, 52-38T, 53-39T, 54-42T, 55-42T
Q-factor (mm)		148	148	148	150	148	146	146
Crank arm length (mm)	160	X	X	X	-	-	-	-
	165	X	X	X	X	X	X	X
	167.5	X	-	-	-	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	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
Compatible bottom bracket type	Outboard	X	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-R9100	SM-BBR60	SM-BBR60	BB-RS501	BB-R9100	BB-R9100	BB-R9100
	Press-Fit	SM-BB92-41B	SM-BB72-41B	SM-BB72-41B	BB-RS500-PB	SM-BB92-41B	SM-BB92-41B	SM-BB92-41B
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		693 (46-36T) 685 (50-34T) 692 (52-36T) 714 (54-40T)	702 (46-36T) 700 (50-34T) 711 (52-36T)	754 (50-34T)	-	685 (50-34T) 692 (52-36T) 714 (54-40T)	614 (50-34T) 624 (52-36T) 626 (53-39T) 642 (54-42T) 650 (55-42T)	610 (50-34T) 618 (52-36T) 622 (52-38T) 618 (53-39T) 632 (54-42T) 639 (55-42T)
Note								

Series		ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE	SHIMANO 105	SHIMANO 105
Model no.		FC-08	FC-R8000	FC-R7000	FC-R5510	FC-7710	FC-5750	FC-5703
Color	1	Series color	Series color	Silky black	Black	Series color	Black	Black
	2	-	-	Spark silver	-	-	-	-
Rear speeds		11	11	11	11	1	10	10
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	1/2 x 1/8, 1/2 x 3/32	HG 10-speed	HG 10-speed (for 3x10s)
Chain line (mm)		44.5	43.5	43.5	43.5	42.5	43.5	45
P.C.D. (mm)		110	110	110	110	144	110	130/74
Spider/gear arms		4	4	4	4	5	5	5
Chainring combination		46-36T, 50-34T, 52-36T	46-36T, 50-34T, 52-36T, 53-39T	50-34T, 52-36T, 53-39T	46-36T, 50-34T, 52-36T	45T to 55T (1/2 x 1/8, 1/2 x 3/32)	50-34T	50-39-30T
Q-factor (mm)		148	146	146	150	136.3	146	154.76
Crank arm length (mm)	160	-	-	X	-	-	-	-
	165	X	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	X
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-	-
	Without chain/ bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	X	X	-	-	X	X
2-PIECE CRANKSET		-	-	-	X	-	-	-
HOLLOWTECH crank arm		X	X	X	-	X	X	X
OCTALINK		-	-	-	-	X	-	-
HOLLOWGLIDE		X	X, - (46-36T)	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	-	X	X
	OCTALINK	-	-	-	-	X	-	-
	Square	-	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BBR60	SM-BBR60	SM-BBR60	BB-RS501	BB-7710, BB-7700	SM-BB5700	SM-BB5700
	Press-Fit	SM-BB72-41B	SM-BB72-41B	SM-BB72-41B	BB-RS500-PB	-	SM-BB71-41B	SM-BB71-41B
Axle length of BB-UN/ES (mm)		-	-	-	-	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)		702 (46-36T) 700 (50-34T) 711 (52-36T)	668 (46-36T) 674 (50-34T) 681 (52-36T) 690 (53-39T)	713.4 (50-34T) 742.6 (52-36T) 757.8 (53-39T)	908 (50-34T)	566 (52T, 1/2 inch x 1/8 inch)	716	831
Note		*46T chainring color is black. Fixed with dedicated nuts.						

Crankset

Series		SHIMANO	TIAGRA	TIAGRA	SHIMANO	SORA	SORA	SORA
Model no.		FC-CX50	FC-4700	FC-4703	FC-RS400	FC-R3030	FC-R3030-CG	FC-R3000
Color	1	Silver	Series color	Series color	Black	Series color	Series color	Series color
	2	Black	-	-	-	-	-	-
Rear speeds		10	10	10	10	9	9	9
Compatible chain		HG 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed
Chain line (mm)		43.5	43.5	45	43.5	45	45	43.5
P.C.D. (mm)		110	110	110/74	110	110/74	130/74	110
Spider/gear arms		5	4	4	5	4	5	4
Chaining combination		46-36T	48-34T, 50-34T, 52-36T	50-39-30T	50-34T	50-39-30T	50-39-30T	50-34T
Q-factor (mm)		150	150	158.8	150.3	158.8	158.8	150
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	X	X	-	X	X	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	X	X	X	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
Optional chain guard	180	-	-	-	-	-	-	-
	With chain guard	-	-	-	-	-	X	-
Without chain/bash guard		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)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501
	Press-Fit	SM-BB71-41B	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-	-
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)		798	-	-	-	-	-	-
Note		w/ Chain guard spec.						

Series		SORA	SHIMANO	CLARIS	CLARIS	CLARIS	CLARIS	SHIMANO
Model no.		FC-R3000-CG	FC-R345	FC-R2030	FC-R2030-CG	FC-R2000	FC-R2000-CG	FC-RS200
Color	1	Series color	Silver	Series color	Series color	Series color	Series color	Black
	2	-	Black	-	-	-	-	-
Rear speeds		9	9	8	8	8	8	8
Compatible chain		HG 9-speed	HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Chain line (mm)		43.5	43.5	45	45	43.5	43.5	43.5
P.C.D. (mm)		110	110	110/74	110/74	110	110	110
Spider/gear arms		5	5	4	4	4	4	5
Chaining combination		50-34T	50-34T	50-39-30T	50-39-30T	50-34T	50-34T	46-34T, 50-34T
Q-factor (mm)		150	152.2	158.8	158.8	150	150	153.7
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	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	180	-	-	-	-	-	-	-
	With chain guard	X	X	-	X	-	X	X
Without chain/bash guard		-	X	X	-	X	-	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		X	-	X	X	X	X	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	X	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	-	X	X	X	X	-
	OCTALINK	-	X	-	-	-	-	-
	Square	-	-	-	-	-	-	X
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-ES300	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-UN300
	Press-Fit	BB-RS500-PB	-	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-
Axle length of BB-UN/ES (mm)		-	113	-	-	-	-	MM110
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.						

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Crankset (Power Meter)

Series			DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA
Model no.			FC-R9200-P	FC-R9200-PX	FC-R9100-P	FC-R8100-P
Chainring combination			50-34T, 52-36T, 54-40T, w/o chainrings	50-34T, 52-36T, 54-40T	50-34T, 52-36T, 53-39T, w/o chainrings	50-34T, 52-36T, w/o chainrings
Crank arm length (mm)	160		X *	-	-	X *
	165		X (50-34T, 52-36T, w/o chainrings)	X	X *	X
	167.5		X *	-	X *	-
	170		X	X	X	X
	172.5		X	X	X	X
	175		X	X	X	X
	177.5		X *	-	X *	-
	180		-	-	X *	-
Force measurement	Right side		X	X	X	X
	Left side		X	X	X	X
	Number of strain sensor		24	24	24	24
Cadence measurement	Magnet		X	X	X	X
	Accelerometer		-	-	-	-
Accuracy (%)			±1.5	±1.5	±2	±2
LED for system status			X	X	X	X
Number of control button			1	1	1	1
Zero offset	By control button		X	X	X	X
	By device		X	X	X	X
Active temperature compensation			X	X	X	X
Battery	Type	Lithium ion	X	X	X	X
		Coin cell	-	-	-	-
	Life		226 h	226 h	300 h or longer	226 h
	Charging port		X	X	X	X
	Charging cable		EW-EC300	EW-EC300	Included	EW-EC300
Firmware update by E-TUBE PROJECT			X	X	X	X
Di2 connectivity wired	Di2 shifting		-	-	-	-
	Di2 shifting		-	-	-	-
Di2 connectivity wireless	Bluetooth® LE	Cycling power	X	X	X	X
		Bicycle power	X	X	X	X
	ANT+	Adjust mode information	-	-	-	-
		Di2 battery level	-	-	-	-
		Gear position	-	-	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	-	-	-	-
		Compatible with E-TUBE RIDE	X	X	X	X
		Compatible with E-TUBE PROJECT	X	X	X	X
		Adjust mode information	-	-	-	-
		Di2 battery level	-	-	-	-
	ANT private (*2)	Gear position	-	-	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	-	-	-	-
		SD50 port (pcs)		0	0	0
SD300 port (pcs)		0	0	0	0	
SD50 connector (pcs)		0	0	0	0	
SD300 connector (pcs)		0	0	0	0	
Average weight (g) (170 mm, w/o bottom bracket)			745 (50-34T) 752 (52-36T) 774 (54-40T)	745 (50-34T) 752 (52-36T) 774 (54-40T)	685 (50-34T) 695 (52-36T) 696 (53-39T)	758 (50-34T) 769 (52-36T)
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.			Crankset specifications not listed here are the same as FC-R9200 * w/o chainrings 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-R9200 * w/o chainrings 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 * w/o chainrings 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 * w/o chainrings Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah Rated capacity: 2.442 Wh

Bottom Bracket (HOLLOWTECH II)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-R9100	SM-BB92-41B	SM-BB72-41B	SM-BB71-41B	SM-BBR60	BB-R5501	BB-R5500	BB-R5500-PB
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	-
	70	X	-	-	-	X	X	X	-
Press-Fit bottom bracket shell width (mm)	86.5	-	X	X	X	-	-	-	X
Small ball bearing		X	X	X	-	X	-	-	-
Average weight (g)		65	54	69	71	77	93	92	71
Note									

Bottom Bracket

Series			DURA-ACE	DURA-ACE	SHIMANO 105
Model no.			BB-7700	BB-7710	BB-5500
Spindle	Hollow pipe		X	X	X
	OCTALINK		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)	-	-	-
		70 (M36)	-	-	-
	118.5	68 (BC1.37)	-	-	X (for triple)
		70 (M36)	-	-	X (for triple)
	121	68 (BC1.37)	-	-	-
	Average weight (g)			173	244
Note				For track	

Cassette

Series		DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO
Model no.		CS-R9200-12	CS-R8101-12	CS-R8100-12	CS-R7101-12	CS-R7100-12	CS-HG710-12
Type		HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+	HG	HG	HG
Rear speeds		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
Combination name (Group name)		11-30T, 11-34T	11-30T, 11-34T	11-30T, 11-34T	11-34T	11-34T	11-36T
Combination * Titanium gear	1	11-12-13-14-15-16-17-19*-21*-24*-27*-30*T	11-12-13-14-15-16-17-19-21-24-27-30T	11-12-13-14-15-16-17-19-21-24-27-30T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-28-32-36T
	2	11-12-13-14-15-17-19*-21*-24*-27*-30*-34*T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-27-30-34T	-	-	-
	3	-	-	-	-	-	-
	4	-	-	-	-	-	-
	5	-	-	-	-	-	-
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	X	X	X	X	X	X
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	2	2	2	1	1	1
Steel spider arm	QTY (pcs)	-	-	-	-	-	-
Titanium gear	QTY (pcs)	5 (11-30T), 6 (11-34T)	0	0	0	0	0
Aluminum gear	QTY (pcs)	0	0	0	0	0	0
Steel gear	QTY (pcs)	7 (11-30T), 6 (11-34T)	12	12	12	12	12
Average weight (g)		223 (11-30T) 253 (11-34T)	291 (11-30T) 345 (11-34T)	291 (11-30T) 345 (11-34T)	361	361	391
Note							

MTB
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GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

ST

SW

RD

FD

SMAD

ST

SL

BL

BR

BR

BR

BR

BC

RD

FD

FC

BB

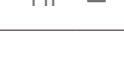
CS

HB

FH

WH

HP



Cassette

Series		DURA-ACE	ULTEGRA	SHIMANO	SHIMANO 105	SHIMANO	ULTEGRA
Model no.		CS-R9100	CS-R8000	CS-HG800-11	CS-R7000	CS-HG700-11	CS-6700
Type		HG-EV	HG-EV	HG-EV	HG-EV	HG-EV	HG
Rear speeds		11	11	11	11	11	10
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 10-speed
Combination name (Group name)		11-25T, 11-28T, 11-30T, 12-25T, 12-28T	11-25T, 11-28T, 11-30T, 11-32T, 12-25T, 14-28T	11-34T	11-28T, 11-30T, 11-32T, 12-25T	11-34T	11-25T, 11-28T, 12-25T, 12-30T
Combination * Titanium gear	1	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	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
	2	11-12-13-14-15-17-19*-21*-23*-25*-28*T	11-12-13-14-15-17-19-21-23-25-28T	-	11-12-13-14-15-17-19-21-24-27-30T	-	11-12-13-14-15-17-19-21-24-28T
	3	11-12-13-14-15-17-19*-21*-24*-27*-30*T	11-12-13-14-15-17-19-21-24-27-30T	-	11-12-13-14-16-18-20-22-25-28-32T	-	12-13-14-15-16-17-19-21-23-25T
	4	12-13-14-15-16-17-18*-19*-21*-23*-25*T	12-13-14-15-16-17-18-19-21-23-25T	-	12-13-14-15-16-17-18-19-21-23-25T	-	12-13-14-15-17-19-21-24-27-30T
	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	-	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	X	X	-	X	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	X	-	X	X
	HG spline S (7-speed)	-	-	-	-	-	-
Carbon spider arm	QTY (pcs)	1	1	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	1	2	1	1	1
Steel spider arm	QTY (pcs)	-	-	-	-	-	-
Titanium gear	QTY (pcs)	5	0	0	0	0	0
Aluminum gear	QTY (pcs)	0	0	0	0	0	0
Steel gear	QTY (pcs)	6	11	11	11	11	10
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	284 (11-28T) 304 (11-30T) 320 (11-32T) 269 (12-25T)	379	230 (11-25T) 242 (11-28T) 238 (11-25T) 275 (12-30T)
Note							

Series		SHIMANO	SHIMANO
Model no.		CS-HG500-10	CS-HG50-9
Type		HG	HG
Rear speeds		10	9
Compatible chain		HG-X 10-speed, HG 10-speed	HG 9-speed
Combination name (Group name)		11-25T, 12-28T, 11-32T, 11-34T	11-30T (bQ), 12-25T, 13-25T, 14-25T
Combination * Titanium gear	1	11-12-13-14-15-17-19-21-23-25T	11-12-14-16-18-20-23-26-30T (bQ)
	2	12-13-14-15-17-19-21-23-25-28T	12-13-14-15-17-19-21-23-25T
	3	11-12-14-16-18-20-22-25-28-32T	13-14-15-16-17-19-21-23-25T
	4	11-13-15-17-19-21-23-26-30-34T	14-15-16-17-18-19-21-23-25T
	5	-	-
	6	-	-
	7	-	-
Spline type	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X
	HG spline S (7-speed)	-	-
Carbon spider arm	QTY (pcs)	-	-
Aluminum spider arm	QTY (pcs)	-	-
Steel spider arm	QTY (pcs)	-	-
Titanium gear	QTY (pcs)	0	0
Aluminum gear	QTY (pcs)	0	0
Steel gear	QTY (pcs)	10	9
Average weight (g)		-	-
Note			

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	-
	100 x 8	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	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
Model no.		HB-RS770	HB-RS400	HB-RS470	HB-RS300
Color	1 Hub shell	Black/Silver	Black	Black	Silver
	1 Quick release	-	Black	-	Silver
	2 Hub shell	-	Silver	-	Black
	2 Quick release	-	Black	-	Black
Brake type		CENTER LOCK disc brake	Rim brake	CENTER LOCK disc brake	Rim brake
O.L.D. (mm)		100	100	100	100
Spoke hole	24H	-	-	-	-
	28H	X	X	X	X
	32H	X	X	X	X
	36H	X	X	-	X
Axle fixing method		12 mm E-THRU	Quick release	12 mm E-THRU	Quick release
Quick release skewer length (mm)	129	-	-	-	X
	133	-	X	-	X
	100 x 8	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	X	-	X	-
	100 x 15	-	-	-	-
	110 x 20	-	-	-	-
Flange distance (mm)		59.6	71.6	59.6	71.6
Offset (mm)		6	0	6.3	0
P.C.D. left / right (mm)		44	38	44	38
Flange diameter (mm)		52.8	48.4	52.8	48.4
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		-		-	

MTB

TREKKING

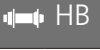
GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL



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-R5770	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	12 mm E-THRU	12 mm 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
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	X	X	X	X	X	X
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
Seal	HG spline S (7-speed)	-	-	-	-	-	-
	Hub	Contact	Contact	Contact	Contact	Contact	Contact
FREEHUB body		Contact	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		* Can be used for 10-speed with an additional spacer ** Aero spoke hole available *** Flange Distance:56.5, Dish:9.95(only for 28H), **** Super Finishing.	* Can be used for 10-speed with an additional spacer	* Can be used for 10-speed with an additional spacer	* Can be used for 10-speed with an additional spacer.	* Can be used for 10-speed with an additional spacer. For disc brake/ CENTER LOCK mount	* Can be used for 10-speed with an additional spacer

FREEHUB (Rim/Disc Brake)

Series		SHIMANO	SHIMANO
Model no.		FH-RS470	FH-RS300
Color	1 Hub shell	Black	Silver
	1 Quick release	-	Silver
	2 Hub shell	-	Black
	2 Quick release	-	Black
Brake type		CENTER LOCK disc brake	Rim brake
Rear speeds		11/10 *	11/10/9/8/7
O.L.D. (mm)		142	130
Spoke hole	24H	-	-
	28H	X	X
	32H	X	X
	36H	-	X
External serration disc brake rotor lock ring	With	-	-
	Without	-	-
Internal serration disc brake rotor lock ring	With	-	-
	Without	X	-
CENTER LOCK mount cover option		-	-
Axle fixing method		12 mm E-THRU	Quick release
Quick release skewer length (mm)	161	-	-
	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
Offset (mm)		7.45	8.4
P.C.D. left / right (mm)		44/45	45
Flange diameter left / right (mm)		52.8/53.8	53.8
Spline type	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	X	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	X
	HG spline S (7-speed)	-	-
Seal	Hub	Contact	Contact
	FREEHUB body	Contact	Contact
Internal grease sleeve		X	X
Digital adjustment system		-	-
Quick release lever	Color	-	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	

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL
ST
SW
RD
FD
SMAD
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BR
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
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
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
Specification		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		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
Rear speeds		-	12	-	12	-	12
O.L.D. (mm)		100	142	100	142	100	142
Wheel size		700C	700C	622 x 21C (700C)	622 x 21C (700C)	700C	700C
Tire	Type	Tubular	Tubular	Tubeless	Tubeless	Tubular	Tubular
	Recommended size	25-28" - 32-28"	25-28" - 32-28"	25-622 - 32-622	25-622 - 32-622	25-28" - 32-28"	25-28" - 32-28"
Rim	Height (mm)	60	60	60	60	50	50
	Internal width (mm)	-	-	21	21	-	-
	External width (mm)	28	28	28	28	28	28
	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
Spokes	Requires rim tape	-	-	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 (mm)	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
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	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	X	-	X	-	X
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-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
Digital adjustment system		-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-	-	-
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-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)		667	770	751	858	610	723
Note							

- MTB
- TREKKING
- GRAVEL
- ROAD**
- LIFESTYLE ACTIVE
- LIFESTYLE COMFORT
- GENERAL

	ST
	SW
	RD
	FD
	SMAD
	ST
	SL
	BL
	BR
	BR
	BR
	BR
	BC
	RD
	FD
	FC
	BB
	CS
	HB
	FH
	WH
	HP

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

ST

SW

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SMAD

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SL

BL

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BR

BR

BC

RD

FD

FC

BB

CS

HB

FH

WH

HP

Wheel (Disc Brake)

Series		ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		WH-R8170-C60-TL-F	WH-R8170-C60-TL-R	WH-R8170-C50-TL-F	WH-R8170-C50-TL-R	WH-R8170-C36-TL-F	WH-R8170-C36-TL-R
Model name		WH-R8170-C60-TL	WH-R8170-C60-TL	WH-R8170-C50-TL	WH-R8170-C50-TL	WH-R8170-C36-TL	WH-R8170-C36-TL
Specification		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		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
Rear speeds		-	12/11	-	12/11	-	12/11
O.L.D. (mm)		100	142	100	142	100	142
Wheel size		622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622
Rim	Height (mm)	60	60	50	50	36	36
	Internal width (mm)	21	21	21	21	21	21
	External width (mm)	28	28	28	28	28	28
	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	X	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 (mm)	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	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
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
	142 x 12	-	X	-	X	-	X
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	X	-	X	-	X
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
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)		-	X	-	X	-	X
D2 rim		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
Compatible spoke protector		-	CP-WR81A	-	CP-WR81A	-	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-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)		738	911	698	872	657	831
Note							

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	DURA-ACE	SHIMANO
Model no.		WH-RS710-C32-TL-F	WH-RS710-C32-TL-R	WH-RS710-C46-TL-F	WH-RS710-C46-TL-R	WH-R9170-C60-TU-F12	WH-RS370-TL-F12
Model name		WH-RS710	WH-RS710	WH-RS710	WH-RS710	WH-R9170-C60-TU	WH-RS370-TL
Specification		C32-TL-F	C32-TL-R	C46-TL-F	C46-TL-R	F12	F12
Color	1 Hub shell	Black	Black	Black	Black	Series color	Black
	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front/Rear		Front	Rear	Front	Rear	Front	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
Rear speeds		-	12/11	-	12/11	-	-
O.L.D. (mm)		100	142	100	142	100	100
Wheel size		622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	700C	622 x 19C (700C)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubular	Tubeless
	Recommended size	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	25-622 - 32-622	23-28" - 28-28"	28-622 - 45-622
Rim	Height (mm)	32	32	46	46	60	19
	Internal width (mm)	21	21	21	21	-	19
	External width (mm)	28	28	28	28	28	23.4
	Rim joint	-	-	-	-	-	Welded
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
Spokes	Requires rim tape	X	X	X	X	-	X
	Number	24	24	24	24	24	24
	Straight pull	-	-	-	-	X	X
	Bladed	X	X	X	X	X	-
	Butted	X	X	X	X	X	-
	Diameter (mm)	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
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
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	-	-
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	X	-	X	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
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)		-	-	-	-	-	-
D2 rim		X	X	X	X	X	-
Digital adjustment system		-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	-
Internal grease sleeve		-	-	-	-	X	X
Compatible spoke protector		-	CP-WH24(11-28,30,32,34T) CP-WR71A(11-36T)	-	CP-WH24(11-28,30,32,34T) CP-WR71A(11-36T)	-	-
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)		665	839	719	893	678	890
Note							-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-RS370-TL-R12	WH-RS171-CL-F12-700C	WH-RS171-CL-R12-700C	WH-RX010-CL-F	WH-RX010-CL-R
Model name		WH-RS370-TL	WH-RS171-CL	WH-RS171-CL	WH-RX010-CL	WH-RX010-CL
Specification		R12	F12-700c	R12-700c	F	R
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 brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		11/10 *	-	11/10 *	-	11/10 *
O.L.D. (mm)		142	100	142	100	135
Wheel size		622 x 19C (700C)	622 x 19C (700C)	622 x 19C (700C)	622 x 17C (700C)	622 x 17C (700C)
Tire	Type	Tubeless	Clincher	Clincher	Clincher	Clincher
	Recommended size	28-622 - 45-622	28-622 - 42-622	28-622 - 42-622	25-622 - 38-622	25-622 - 38-622
Rim	Height (mm)	19	19	19	24	24
	Internal width (mm)	19	19	19	-	-
	External width (mm)	23.4	24.6	24.6	23	23
	Rim joint	Welded	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-
	Requires rim tape	X	X	X	X	X
Spokes	Number	24	28	28	28	28
	Straight pull	X	-	-	-	-
	Bladed	-	-	-	-	-
	Butted	-	-	-	-	-
	Diameter (mm)	2.0-1.8-2.0	2	2	2	2
Axle fixing method		12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	Quick release
Quick release skewer length (mm)	133	-	-	-	X	-
	163	-	-	-	-	-
	168	-	-	-	-	X
Thru axle (length x inner diameter ; mm)	100 x 8	-	-	-	-	-
	100 x 12	-	X	-	-	-
	142 x 12	X	-	X	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	X	-	X	-	X
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-
Engagement type			-	Pawl ratchet	-	Pawl ratchet
Disc mount	CENTER LOCK	X	X	X	X	X
	CENTER LOCK mount cover option	-	-	-	-	-
	140 mm disc brake rotor compatible	X	X	X	X	X
OPTBAL (2:1)		-	-	-	-	-
D2 rim		-	-	-	-	-
Digital adjustment system		-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	-	Contact	-	Contact
Internal grease sleeve		X	X	X	X	X
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/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
	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)		1090	897	1098	982	1177
Note		* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette

Wheel (Rim Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		WH-R9200-C60-HR-TU-F	WH-R9200-C60-HR-TU-R	WH-R9200-C50-TU-F	WH-R9200-C50-TU-R	WH-R9200-C36-TU-F	WH-R9200-C36-TU-R	WH-R9100-C60-TU-F
Model name		WH-R9200-C60-HR-TU	WH-R9200-C60-HR-TU	WH-R9200-C50-TU	WH-R9200-C50-TU	WH-R9200-C36-TU	WH-R9200-C36-TU	WH-R9100-C60-TU
Specification		F	R	F	R	F	R	F
Color	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
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		-	12	-	12	-	12	-
O.L.D. (mm)		100	130	100	130	100	130	100
Wheel size		700C	700C	700C	700C	700C	700C	700C
Tire	Type	Tubular	Tubular	Tubular	Tubular	Tubular	Tubular	Tubular
	Recommended size	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	23-28" - 28-28"
Rim	Height (mm)	60	60	50	50	36	36	60
	Internal width (mm)	-	-	-	-	-	-	-
	External width (mm)	28	28	28	28	28	28	28
	Rim joint	-	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-	-
	Requires rim tape	-	-	-	-	-	-	-
Spokes	Number	16	21	16	21	16	21	16
	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 (mm)	2.0-1.8-2.0	2.0-1.8-2.0	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
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	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	X	-	X	-	X	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
Engagement type		-	Direct engagement	-	Direct engagement	-	Direct engagement	-
Disc mount	CENTER LOCK	-	-	-	-	-	-	-
	CENTER LOCK mount cover option	-	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-	-
OPTBAL (2:1)		-	X	-	X	-	X	-
D2 rim		-	-	-	-	-	-	X
Digital adjustment system		-	-	-	-	-	-	X
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-
Internal grease sleeve		-	-	-	-	-	-	X
Compatible spoke protector		-	CP-W124	-	CP-W124	-	CP-W124	-
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)		653	796	586	723	602	684	666
Note								-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Wheel (Rim Brake)

Series		DURA-ACE	DURA-ACE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL-F	WH-RS700-C30-TL-R	WH-RS500-TL-F	WH-RS500-TL-R	WH-RS300-CL-F
Model name		WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL	WH-RS700-C30-TL	WH-RS500-TL	WH-RS500-TL	WH-RS300-CL
Specification		F	R	F	R	F	R	F
Color	1 Hub shell	Series color	Series color	Silver	Silver	Silver	Silver	Black
	1 Quick release	Series color	Series color	Silver	Silver	Silver	Silver	Black
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-	-
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		-	11/10 *	-	11/10 *	-	11/10 *	-
O.L.D. (mm)		100	130	100	130	100	130	100
Wheel size		700C	700C	622 x 15C (700C)	622 x 15C (700C)	622 x 15C (700C)	622 x 15C (700C)	622 x 17C (700C)
Tire	Type	Tubular	Tubular	Tubeless	Tubeless	Tubeless	Tubeless	Clincher
	Recommended size	23-28" - 28-28"	23-28" - 28-28"	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
Rim	Height (mm)	37	37	24	31	24	24	24
	Internal width (mm)	-	-	15	15	15	15	17
	External width (mm)	28	28	20.8	20.8	20.8	20.8	23.2
	Rim joint	-	-	Welded	Welded	Welded	Welded	Sleeve
	Brazed reinforcement	-	-	-	-	X	X	-
	OFFSET RIM	-	X	-	X	-	X	-
	Requires rim tape	-	-	X	X	-	-	18-622
Spokes	Number	16	21	16	21	16	20	16
	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 (mm)	2.0-1.8-2.0	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
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	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	X	-	X	-	X	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
	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	-	X	-	-	-
D2 rim		X	X	-	-	-	-	-
Digital adjustment system		X	X	-	-	X	X	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact	-
Internal grease sleeve		X	X	X	X	X	X	X
Compatible spoke protector		-	CP-W124	-	CP-W124	-	CP-WH23 (23-28T) CP-W120 (32T) CP-W020 (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	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)		637	747	616	924	705	944	770
Note		-	* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette	-

Wheel (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-RS300-CL-R	WH-RS330-CL-F	WH-RS330-CL-R	WH-RS100-CL-F	WH-RS100-CL-R	WH-RS010-CL-F	WH-RS010-CL-R
Model name		WH-RS300-CL	WH-RS330-CL	WH-RS330-CL	WH-RS100-CL	WH-RS100-CL	WH-RS010-CL	WH-RS010-CL
Specification		R	F	R	F	R	F	R
Color	1 Hub shell	Black	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	Black	Black	Black
	2 Hub shell	-	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	Black	Black
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		11/10 *	-	11/10 *	-	11/10 *	-	11/10 *
O.L.D. (mm)		130	100	130	100	130	100	130
Wheel size		622 x 17C (700C)	622 x 15C (700C)	622 x 15C (700C)	622 x 17C (700C)	622 x 17C (700C)	622 x 15C (700C)	622 x 15C (700C)
Tire	Type	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
Rim	Height (mm)	24	30	30	24	24	24	24
	Internal width (mm)	17	15	15	17	17	15	15
	External width (mm)	23.2	20.8	20.8	23.2	23.2	20.8	20.8
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-	-
	OFFSET RIM	X	-	X	-	X	-	X
Spokes	Requires rim tape	18-622	X	X	18-622	18-622	X	X
	Number	20	16	21	20	24	20	24
	Straight pull	X	X	X	-	-	-	-
	Bladed	X	X	X	-	-	-	-
	Butted	X	X	X	-	-	-	-
	Diameter (mm)	2	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	-
	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	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	X	-	X	-	X	-	X
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-	-
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	-	-	-	-
D2 rim		-	-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	-	Contact	-	Contact	-	Contact
Internal grease sleeve		X	X	X	-	-	-	-
Compatible spoke protector		CP-WH23 (23-28T) CP-W120 (32T)	-	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	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)		1057	875	1176	827	1105	818	1102
Note		* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette	-	* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette

MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

ST	
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SW	
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RD	
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FD	
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SMAD	
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ST	
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FC	
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BB	
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CS	
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HB	
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FH	
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WH	
HP	

Wheel (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		WH-R501-A-CL-F	WH-R501-A-CL-R	WH-R501-CL-F	WH-R501-CL-R
Model name		WH-R501-A-CL	WH-R501-A-CL	WH-R501-CL	WH-R501-CL
Specification		F	R	F	R
Color	1 Hub shell	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black
	2 Hub shell	Silver	Silver	Silver	Silver
	2 Quick release	Black	Black	Black	Black
Front/Rear		Front	Rear	Front	Rear
Brake type		Rim brake	Rim brake	Rim brake	Rim brake
Rear speeds		-	11/10/9/8/7	-	11/10/9/8/7
O.L.D. (mm)		100	130	100	130
Wheel size		622 x 15C (700C)	622 x 15C (700C)	622 x 15C (700C)	622 x 15C (700C)
Tire	Type	Clincher	Clincher	Clincher	Clincher
	Recommended size	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
Rim	Height (mm)	24	24	24	24
	Internal width (mm)	15	15	15	15
	External width (mm)	20.8	20.8	20.8	20.8
	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-
	OFFSET RIM	-	-	-	-
Spokes	Requires rim tape	X	X	X	X
	Number	20	24	20	24
	Straight pull	-	-	-	-
	Bladed	X	X	-	-
	Butted	-	-	-	-
	Diameter (mm)	2	2	2	2
Axle fixing method		Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	133	X	-	X	-
	163	-	X	-	X
	168	-	X	-	X
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-
	142 x 12	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	X	-	X
	HG spline S (7-speed)	-	-	-	-
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	Contact
	FREEHUB body	-	Contact	-	Contact
Internal grease sleeve		-	-	-	-
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	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)		820	1069	820	1069
Note					

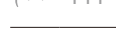
Head Parts

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	

Shifter

Series			CUES	CUES	CUES	CUES	CUES	CUES	
Model no.			SL-U8000-11R	SL-U8000-111R	SL-U8000-L	SL-U8000-IL	SL-U6000-11R	SL-U6050-11R	SL-U6000-10R
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	RAPIDFIRE PLUS
Front speeds			-	-	2	2	-	-	-
Rear speeds			11	11	-	-	11	11	10
Compatible rear derailleur type			LINKGLIDE system 11-speed	LINKGLIDE system 11-speed	-	-	LINKGLIDE system 11-speed	LINKGLIDE system 11-speed	LINKGLIDE system 10-speed
Mount type	Clamp band		X	-	X	-	X	X	X
	I-SPEC B		-	-	-	-	-	-	-
	I-SPEC II		-	X	-	X	-	-	-
	I-SPEC EV		-	-	-	-	-	-	-
Shift lever position adjust			-	-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)			-	X	-	X	-	-	-
Shift lever cable adjust			X	X	X	X	X	X	X
Front 2/3 mode converter			-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			2	2	-	-	2	2	2
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		X	X	X	X	-	-	-
	2-WAY RELEASE		X	X	X	X	X	-	X
	Adjustable lever		-	-	X	X	-	-	-
OPTICAL GEAR DISPLAY	With		X	X	X	X	X	X	X
	With (removable)		-	-	-	-	-	-	-
	Without		X	X	X	X	X	X	X
Multi-bearing construction			2	2	2	2	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-	-
		OPTISLICK	X	X	X	X	X	X	X
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	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)			120	112	-	-	-	-	-
Note								Short reach	

Series			CUES	CUES	CUES	CUES	CUES	CUES	SHIMANO ALIVIO
Model no.			SL-U6000-L	SL-U6050-10R	SL-U4000-9R	SL-U4010-9R	SL-U4050-9R	SL-U4000-L	SL-M3100-R
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
	3		-	-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS MONO	RAPIDFIRE	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS
Front speeds			2	-	-	-	-	2	-
Rear speeds			-	10	9	9	9	-	9
Compatible rear derailleur type			-	LINKGLIDE system 10-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	-	MTB 9-speed
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
Front 2/3 mode converter			-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			-	2	2	2	2	-	3
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-	-
	2-WAY RELEASE		X	-	-	X	-	-	-
	Adjustable lever		-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		X	X	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	X	X	X	X
		SIL-TEC	-	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-	-
		Steel	X	X	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				Short reach			Short reach		



Shifter

Series		SHIMANO ALIVIO	SHIMANO ALIVIO	ACERA	ACERA	ACERA	ALTUS	ALTUS
Model no.		SL-M3100-L	SL-M3100-2L	SL-M3000-R	SL-M3010-L	SL-M360-R	SL-M2010-9R	SL-M2010-L
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	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		3	2	-	2	-	-	3
Rear speeds		-	-	9	-	8	9	-
Compatible rear derailleur type		-	-	MTB 9-speed	-	MTB 8-speed	MTB 9-speed	-
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
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		-	-	3	-	3	3	-
Release function	MULTI RELEASE	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-
	2-WAY RELEASE	-	X	-	-	-	-	-
	Adjustable lever	-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	-	X	X	X	X	X
	With (removable)	-	-	-	-	-	-	-
	Without	-	X	-	-	-	-	-
Multi-bearing construction		-	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-	-
		OPTISLICK	X	X	-	-	X	X
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	X *	-	-	-
Steel		X	X	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				* Option				

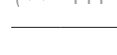
Series		ALTUS	SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY	TOURNEY
Model no.		SL-M2010-2L	SL-M315-8R	SL-M315-7R	SL-M315-L	SL-M315-2L	SL-FT55-7R	SL-TX50-7R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Thumb shifter Plus	Thumb Shifter Plus
Front speeds		2	-	-	3	2	-	-
Rear speeds		-	8	7	-	-	7	7
Compatible rear derailleur type		-	MTB 8-speed	MTB 7-speed	-	-	MTB 7-speed	MTB 7-speed
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	-	-
Front 2/3 mode converter		-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		-	3	3	-	-	6	6
Release function	MULTI RELEASE	-	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-	-
	2-WAY RELEASE	-	-	-	-	-	-	-
	Adjustable 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	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	X	X	X	X	-
		Steel	X	-	-	-	-	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40
Average weight (g)		-	-	-	-	-	-	-
Note								

Shifter

Series Model no.			TOURNEY SL-TX50-6R	TOURNEY SL-TX50-L	TOURNEY SL-TX50-LN	TOURNEY SL-TX30-7R	TOURNEY SL-TX30-6R	TOURNEY SL-TX30-LN	TOURNEY SL-R545-6R
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	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	REVOSHIFT
Front speeds			-	3	3 (friction)	-	-	3 (friction)	-
Rear speeds			6	-	-	7	6	-	6
Compatible rear derailleur type			MTB 6-speed	-	-	MTB 7-speed	MTB 6-speed	-	MTB 6-speed
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
Front 2/3 mode converter			-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			5	-	-	6	5	-	5
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-	-	-
	Adjustable 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	X
Recommended shift lever outer casing			OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)			-	-	-	-	-	-	-
Note									

Series			TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	SHIMANO	
Model no.			SL-RS36-7R	SL-RS36-6R	SL-RS35-7R	SL-RS35-6R	SL-RS35-L	SL-RS35-LN	SL-RV400-8R
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
	3		-	-	-	-	-	-	-
Shifter type			REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front speeds			-	-	-	-	3	3 (friction)	-
Rear speeds			7	6	7	6	-	-	8
Compatible rear derailleur type			MTB 7-speed	MTB 6-speed	MTB 7-speed	MTB 6-speed	-	-	MTB 8-speed
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	-
Front 2/3 mode converter			-	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			6	5	6	5	-	-	7
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-	-	-
	Adjustable 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	X
Recommended shift lever outer casing			OT-SIS40	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			

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Shifter

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.			SL-RV400-7R	SL-RV400-6R	SL-RV400-L	SL-RV400-LN	SL-RV300-7R	SL-RV300-6R	SL-RV300-L
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
	3		-	-	-	-	-	-	-
Shifter type			REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front speeds			-	-	3	3 (friction)	-	-	3
Rear speeds			7	6	-	-	7	6	-
Compatible rear derailleur type			MTB 7-speed	MTB 6-speed	-	-	MTB 7-speed	MTB 6-speed	-
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	-	-	-	-
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 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	X
Recommended shift lever outer casing			OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weight (g)			-	-	-	-	-	-	-
Note									

Series			SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY TZ	TOURNEY TZ
Model no.			SL-RV300-LN	SL-RV200-7R	SL-RV200-6R	SL-RV200-L	SL-RV200-LN	SL-TZ500-7R	SL-TZ500-6R
Color	1		Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-	-
	3		-	-	-	-	-	-	-
Shifter type			REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Thumb Shifter	Thumb Shifter
Front speeds			3 (friction)	-	-	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
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	-	-	-
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 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	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

Shifter

Series			TOURNEY TZ	SHIMANO A050	SHIMANO A050	SHIMANO	SHIMANO
Model no.			SL-TZ500-LN	SL-A050-7R	SL-A050-LN	SL-SY20A-7	SL-SY20A-6
Color	1		Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-
	3		-	-	-	-	-
Shifter type			Thumb Shifter	Handle bar mount shifter	Handle bar mount shifter	Down tube mount shifter	Down tube mount shifter
Front speeds			3 (friction)	-	2 (friction)	2 (friction)	2 (friction)
Rear speeds			-	7	-	7	6
Compatible rear derailleur type			-	ROAD 7-speed	-	ROAD 7-speed	ROAD 6-speed
Mount type	Clamp band		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			-	-	-	-	-
Front 2/3 mode converter			-	-	-	-	-
Max. multiple shifts (main lever/rear)			-	-	-	-	-
Release function	MULTI RELEASE		-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-
	Adjustable lever		-	-	-	-	-
OPTICAL GEAR DISPLAY	With		X *	-	-	-	-
	With (removable)		-	-	-	-	-
	Without		-	X	X	X	X
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
Average weight (g)			-	-	-	-	-
Note			* Gear Position Indicator			Stem and brazed on, band types are available	Stem and brazed on, band types are available

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SL	
BL	
ST	
RD	

FD	
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BR	
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FC	
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BB	
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CS/MF	
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HB	
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FH	
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SW	
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RD	
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FH	
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Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)

Series		CUES	SHIMANO
Model no.		BL-U8000	BL-UR405
Brake type		Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3
Color	1	Series color	Black
	2	-	-
	3	-	-
Brake hose (kit)		SM-BH90	SM-BH59-JK-SS
Hose joint		Straight	Straight
Brake hose color (kit)	1	Black	Black
	2	-	-
J-Kit spec (for OEM)		X	X
SERVO WAVE		-	-
Reach adjust	Toolless	X	-
	Tool	-	X
Free stroke adjust		-	-
Compatible shifter mount	Clamp band	X	X
	I-SPEC B	-	-
	I-SPEC II	X	-
Clamp band		X	-
Recommended brake caliper		BR-U8000, BR-U8020	BR-MT410
Oil		SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X
Average weight (g)		110	-
Note			SHORT REACH

Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)

Series		CUES
Model no.		BL-U6030-L
Brake type		Hydraulic disc brake
Lever size (finger)		-
Color	1	Series color
	2	-
Bracket cover color	1	Standard
	2	-
Brake hose (kit)		SM-BH59-JK-SSR
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
SERVO WAVE		-
Reach adjust	Toolless	-
	Tool	X
Free stroke adjust		-
Clamp band	I-SPEC	-
	Open clamp	-
	Diameter (mm)	23.8-24.2
Recommended brake caliper		BR-U6030, BR-RS405
Oil		SHIMANO Mineral
Funnel bleeding		X
Average weight (g)		-
Note		

Brake Lever (Drop Handlebar Type)

Series		CUES	SHIMANO ESSA
Model no.		BL-U3030-L	BL-U2030-L
Color	1	Series color	Series color
	2	-	-
	3	-	-
Compatible brake type	V-BRAKE	-	-
	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	X	X
	Caliper (NEW SUPER SLR)	X	X
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	-	-
Recommended POWER MODULATOR	V-BRAKE	-	-
	Mechanical disc brake (MTB)	-	-
Clamp band	Open clamp band	-	-
	I-SPEC	-	-
	Diameter (mm)	23.8-24.2	23.8-24.2
Internal bumper stop		-	-
Lever size (finger)		-	-
Brake cable type		-	-
Power adjuster		X	X
SERVO WAVE		-	-
Reach adjust		X	X
Cable adjust		-	-
Cable adjust type		-	-
Stainless clamp screw		-	-
Average weight (g)		-	-
Note			

HB
FH
SW
RD
FH

Series			SHIMANO	SHIMANO	SHIMANO
Model no.			ST-EF505-7R	ST-EF505-2L	ST-EF505-L
Color	1		Black	Black	Black
	2		-	-	-
Shifter type			EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
Shift lever	Front speeds		-	2	3
	Rear speeds		7	-	-
	2/3 mode converter		-	-	-
	Max. multiple shifts (main lever/rear)		3	-	-
	Compatible rear derailleur type		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
	OPTICAL GEAR DISPLAY	With	X	X	X
		With (removable)	-	-	-
		Without	-	-	-
	Multi-bearing construction		-	-	-
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41
	Inner cable	Polymer-coated cable	-	-	-
		OPTISLICK	X	X	X
		SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	X	X	X
Brake lever	Lever size (finger)		3	3	3
	Brake hose (kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
	Hose joint		Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black
		2	-	-	-
	J-Kit spec (for OEM)		X	X	X
	Recommended brake caliper		BR-MT200	BR-MT200	BR-MT200
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Toolless	-	-	-
		Tool	X	X	X
	Funnel bleeding		X	X	X
Clamp band	Free stroke adjust		-	-	-
	SERVO WAVE		-	-	-
	Open clamp		-	-	-
	Stainless clamp screw		-	-	-
Average weight (g)			-	-	-
Note					

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Shift/Brake Lever (Flat Handlebar Type)

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	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	-	
	Roller brake		-	-	-	X with switch	-	
	Recommended POWER MODULATOR	V-BRAKE		-	-	-	SM-PM40	-
		Mechanical disc brake (MTB)		-	-	-	SM-PM50	-
Clamp band		Open clamp band	-	-	-	-	-	
Internal bumper stop		-	-	-	-	-	-	
Lever size (finger)		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			

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	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	OT-SP41	
	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 with switch*	X	X with switch*	
		Mechanical disc brake (MTB)	X	X	X with switch*	X	X with switch*	
		Mechanical disc brake (Road)	-	-	-	-	-	
		Caliper (SLR-EV)	-	-	-	-	-	
		Caliper (NEW SUPER SLR)	-	-	-	-	-	
		Caliper (SUPER SLR)	-	-	X with switch	-	X with switch	
		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 (Flat Handlebar Type)

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	-	-	3	
	Rear speeds	-	-	7	6	-	
	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	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	-	-	-
	Recommended POWER MODULATOR	V-BRAKE	-	SM-PM40	-	-	-
		Mechanical disc brake (MTB)	-	SM-PM50	-	-	-
	Clamp band		-	-	-	-	-
	Internal bumper stop		-	-	-	-	-
	Lever size (finger)		2	4	2	2	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				

Shift/Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)

Series			CUES	CUES
Model no.			ST-U6030-R	ST-U6030-L
Color	1		Series color	Series color
	2		-	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds		-	2
	Rear speeds		11/10	-
	Max. multiple shifts (main lever/rear)		2	-
	Multi-bearing construction		-	-
Brake lever	Brake hose (kit)		SM-BH59-JK-SSR	SM-BH59-JK-SSR
	Hose joint		Straight	Straight
	Brake hose color (kit)	1	Black	Black
		2	-	-
	Recommended brake caliper		BR-U6030, BR-RS405	BR-U6030, BR-RS405
	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		-	-
SERVO WAVE			-	-
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41
		Rear derailleur side	-	-
	Inner cable	Polymer-coated cable	-	-
		OPTISLICK	X	X
		SIL-TEC	-	-
		Stainless	-	-
		Steel	X	X
Average weight (g)			-	-
Note			Compatible with LINKGLIDE system 11/10-speed	-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SL

BL

ST

RD

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CS/MF

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RD

FH

MTB
TREKKING
GRAVEL
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LIFESTYLE COMFORT
GENERAL

SL 

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CS/MF 

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FH 

Shift/Brake Lever (Drop Handlebar Type)

Series		CUES	CUES	CUES	SHIMANO E55A	TOURNEY	TOURNEY
Model no.		ST-U3030-L	ST-U3030-10R	ST-U3030-9R	ST-U2030-R	ST-A070	ST-A073-L
Color	1	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
Shift lever	Front speeds	2	-	-	-	2	3
	Rear speeds	-	10	9	8	7	-
	Multi-bearing construction	0	0	0	0	-	-
	Outer casing	Lever side Rear derailleur side	OT-SP41 OT-SP41 sealed	OT-SP41 OT-SP41 sealed	OT-SP41 OT-SP41 sealed	OT-SIS40 OT-SIS40	OT-SIS40 OT-SIS40
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	-	-
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	X *	X *
		Steel	X	X	X	-	-
Brake lever	Reach adjust	Screw	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	23.8-24.2
	SLR-EV	-	-	-	-	-	-
	NEW SUPER SLR	X	X	X	X	-	-
	SUPER SLR	-	-	-	-	X	X
Average weight (g)		-	-	-	-	-	-
Note						* Option	* Option

Rear Derailleur

Series			CUES	CUES	CUES	CUES	CUES	CUES
Model no.			RD-U8000	RD-U8020	RD-U6000	RD-U6020-11	RD-U6020-10	RD-U4000
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Rear speeds			11	11	11/10	11	10	9
Compatible chain			LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		-	-	-	X	X	X
	SHIMANO SHADOW RD+		X	X	X	-	-	-
	Double servo		-	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	-	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		X	X	X	X	X	X
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
Mode converter			-	-	-	-	-	-
Cable adjuster			X	X / -	X	X / -	X / -	X
Max. front difference			0T	14T	0T	14T	16T	0T
Total capacity			39T	48T	39T	48T	44T	35T
Low sprocket	Max.		50T	45T	50T	45T	39T	46T
	Min.		50T	45T	48T	45T	39T	41T
Top sprocket	Max.		11T	11T	11T	11T	11T	11T
	Min.		11T	11T	11T	11T	11T	11T
Fluoric coated link bushings			4	4	3	3	3	1
Pulley	Guide pulley bearing		Sealed bearing	Sealed bearing	-	-	-	-
	Tension pulley bearing		Sealed bearing	-	-	-	-	-
	Teeth		13/13T	11/13T	13/13T	11/13T	11/13T	13/13T
	Sunken type pulley screw		X	X	X	X	X	X
B-axle	Hollow axle		-	-	-	-	-	-
B-axle 2	Hollow axle		-	-	-	-	-	-
Average weight (g)			-	-	-	-	-	-
Note			E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated

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Rear Derailleur

Series			TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.			RD-TY300-SGS	RD-TY200-SS	RD-TY200-GS	RD-FT35-A-SS	RD-TY21-B-SS	RD-TY21-B-GS
Color	1		Series color	Black	Black	Black	Black	Black
	2		-	-	-	-	Silver	Silver
Rear speeds			7/6	7/6 (front single)	7/6	7/6 (front single)	6	6
Compatible chain			HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
RD construction	SHIMANO SHADOW RD		-	-	-	-	-	-
	SHIMANO SHADOW RD+		-	-	-	-	-	-
	Double servo		X	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X	X	X
		Direct mount	-	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		-	-	-	-	-	-
	Riveted adapter	ROAD type	X	X	X	X	X	X
BMX-track type		X	X	-	X	-	-	
Mode converter			-	-	-	-	-	-
Cable adjuster			X	X	X	X	X	X
Max. front difference			20T	0T	20T	0T	13T	20T
Total capacity			43T	20T	34T	17T	28T	34T
Low sprocket	Max.		34T	34T	28T	28T	28T	28T
	Min.		28T	28T	28T	28T	28T	28T
Top sprocket	Max.		14T	14T	14T	14T	14T	14T
	Min.		11T	12T	14T	11T	14T	14T
Fluoric coated link bushings			-	-	-	-	-	-
Pulley	Guide pulley bearing		-	-	-	-	-	-
	Tension pulley bearing		-	-	-	-	-	-
	Teeth		13/13T	11/11T	11/11T	11/11T	11/11T	11/11T
	Sunken type pulley screw		-	-	-	-	-	-
B-axle	Hollow axle		-	-	-	-	-	-
B-axle 2	Hollow axle		-	-	-	-	-	-
Average weight (g)			-	-	-	-	-	-
Note								

Series			TOURNEY TZ
Model no.			RD-TZ500-GS
Color	1		Series color
	2		-
Rear speeds			6
Compatible chain			HG 8/7/6-speed
RD construction	SHIMANO SHADOW RD		-
	SHIMANO SHADOW RD+		-
	Double servo		-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X
		Direct mount	-
	SHIMANO ROAD type	Direct attachment (conventional)	-
		Direct mount	-
	UDH standard		-
	Riveted adapter	ROAD type	X
BMX-track type		-	
Mode converter			-
Cable adjuster			X
Max. front difference			20T
Total capacity			34T
Low sprocket	Max.		28T
	Min.		28T
Top sprocket	Max.		14T
	Min.		14T
Fluoric coated link bushings			-
Pulley	Guide pulley bearing		-
	Tension pulley bearing		-
	Teeth		11/11T
	Sunken type pulley screw		-
B-axle	Hollow axle		-
B-axle 2	Hollow axle		-
Average weight (g)			-
Note			

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

	SL
	BL
	ST
	RD
	FD
	BR
	FC
	BB
	CS/MF
	HB

 FH

 SW

 RD

 FH

Front Derailleur

Series			SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO
Model no.			FD-M4020-M	FD-M3100-M	FD-M3120-D	FD-M3120-E	FD-M3120-M	FD-M3120-M-B
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Front speeds			2	3	2	2	2	2
Rear speeds			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
Action	TOP SWING		-	-	-	-	-	-
	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)	-	-	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	-	-
	Direct mount		-	-	X	-	-	-
	Brazed-on		-	-	-	-	-	-
	Cable adjust		-	-	-	-	-	-
Cable route type	Dual-pull		-	-	-	-	-	-
	Top-pull exclusive		-	-	-	-	-	-
	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		X	X	X	X	X	X
	Chain line (mm)		48.8	50	48.8/51.8	48.8/51.8	48.8	51.8
Chainstay angle (deg.)			64-69	66-69	64-69	64-69	64-69	64-69
Top gear teeth			36T	40T	36T	36T	36T	36T
Total capacity			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
Angled clamp band design			-	X	X	X	X	X
Multi-bearing construction			-	-	-	-	-	-
Link bushings			4	4	4	4	4	4
Average weight (g) (band type: L size, direct type w/ screw)			-	-	-	-	-	-
Note			-	-	-	-	-	-



Series		ACERA	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
Color	1	Black	Series color	Black	Series color	Black	Series color
	2	-	-	-	-	-	-
Front speeds		3	2	3	3	3	3
Rear speeds		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
Action	TOP SWING		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		-	-	-	-	-
	Brazed-on		-	-	-	-	-
	Cable route type	Cable adjust		-	-	-	-
Dual-pull		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
Chainstay angle (deg.)		66-69	64-69	63-66	66-69	63-66	66-69
Top gear teeth		40T	36T	40T	40T	40T	40T
Total capacity		18T	14T	18T	18T	18T	18T
Applicable top-mid tooth difference		10T	-	10T	10T	10T	10T
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
Multi-bearing construction		-	-	-	-	-	-
Link bushings		-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-
Note			* Boost spec.				

Series			ALTUS	ALTUS	ALTUS	TOURNEY TX	TOURNEY TX	TOURNEY
Model no.			FD-M313-6	FD-M310-3	FD-M310-6	FD-TX800-TS3	FD-TX800-TS6	FD-TY600-L6
Color	1	Series color	Series color	Series color	Series color	Black	Series color	Series color
	2	-	-	-	-	-	-	-
Front speeds		3	3	3	3	3	3	3
Rear speeds		8/7	8/7	8/7	8/7	8/7	8/7	8/7/6
Compatible chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-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 (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
		34.9	X	X	X	X	X	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
Brazed-on		-	-	-	-	-	-	
Cable adjust		-	-	-	-	-	-	
Cable route type	Dual-pull		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	47.5/50	47.5/50
Chainstay angle (deg.)		66-69	63-66	66-69	63-66	66-69	66-69	66-69
Top gear teeth		42T, 48T	42T, 48T	42T, 48T	42T, 48T	42T, 48T	42T, 48T	42T
Total capacity		20T	20T	20T	20T	20T	20T	18T
Applicable top-mid tooth difference		10T	10T	10T	10T	10T	10T	8T
Multi access cable fixing screw		-	-	-	-	-	-	-
Angled stroke adjust screw		-	-	-	-	-	-	-
Angled clamp band design		X	X	X	X	X	X	X
Multi-bearing construction		-	-	-	-	-	-	-
Link bushings		-	-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	-
Note								-

Front Derailleur

Series			TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model no.			FD-TY600-L3	FD-TY601-L6	FD-TY601-L3	FD-TY606-L	FD-TY300-DS6(475)	FD-TY300-DS6(50)
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	-	-	-	-
Front speeds			3	3	3	2	3	3
Rear speeds			8/7/6	8/7/6	8/7/6	8/7/6	7/6	7/6
Compatible chain			HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Action	TOP SWING		X	X	X	X	-	-
	Down swing		-	-	-	-	X	X
	SIDE SWING		-	-	-	-	-	-
Mount	Clamp band (mm)	28.6	-	-	-	-	X	-
		31.8	X	X	X	X	X	-
		34.9	X	X	X	X	-	X
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	-	-	-	-
	Direct mount		-	-	-	-	-	-
	Brazed-on		-	-	-	-	-	-
Cable route type	Cable adjust		-	-	-	-	-	-
	Dual-pull		X	X	X	X	-	-
	Top-pull exclusive		-	-	-	-	X	X
	Down-pull exclusive		-	-	-	-	X	X
	Front-pull		-	-	-	-	-	-
Chain line (mm)			47.5/50	47.5/50	47.5/50	48.8	47.5	50
Chainstay angle (deg.)			63-66	66-69	63-66	63-68	66-69	66-69
Top gear teeth			42T	48T	48T	46T	42T	42T
Total capacity			18T	20T	20T	16T	18T	18T
Applicable top-mid tooth difference			8T	10T	10T	-	8T	8T
Multi access cable fixing screw			-	-	-	-	-	-
Angled stroke adjust screw			-	-	-	-	-	-
Angled clamp band design			X	X	X	X	-	-
Multi-bearing construction			-	-	-	-	-	-
Link bushings			-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)			-	-	-	-	-	-
Note			-	-	-	-	-	-



Series			TOURNEY TZ	TOURNEY TZ	TOURNEY	TOURNEY
Model no.			FD-TZ500-DS6	FD-TZ510-DS6	FD-A070-A	FD-A073
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Front speeds			3 (friction)	3 (friction)	2	3
Rear speeds			7/6	7/6	7	7
Compatible chain			HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Action	TOP SWING		-	-	-	-
	Down swing		X	X	X	X
	SIDE SWING		-	-	-	-
Mount	Clamp band (mm)	28.6	X	X	X (w/ S size adapter)	X (w/ S size adapter)
		31.8	X	X	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		-	-	-	-
	Brazed-on		-	-	-	-
Cable route type	Cable adjust		-	-	-	-
	Dual-pull		-	-	-	-
	Top-pull exclusive		X	X	-	-
	Down-pull exclusive		X	X	-	-
	Front-pull		-	-	-	-
Chain line (mm)			47.5	47.5	43.5	45
Chainstay angle (deg.)			66-69	66-69	61-66	63-66
Top gear teeth			42T	48T	50T	50T
Total capacity			18T	20T	16T	20T
Applicable top-mid tooth difference			8T	10T	-	11T
Multi access cable fixing screw			-	-	-	-
Angled stroke adjust screw			-	-	-	-
Angled clamp band design			-	-	X	X
Multi-bearing construction			-	-	-	-
Link bushings			-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw)			-	-	-	-
Note						

Brake (Hydraulic Disc Brake)

Series		CUES	CUES	CUES	CUES	CUES	SHIMANO
Model no.		BR-U8000	BR-U8010	BR-U8020	BR-U6030-F	BR-U6030-R	BR-UR300
Color	1	Series color	Series color	Series color	Series color	Series color	Black
	2	-	-	-	-	-	-
	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-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH59-JK-SSR	SM-BH59-JK-SSR	SM-BH59-JK-SS
J-Kit spec (for OEM)		X	X	X	X	X	X
Hose joint		Banjo	Straight	Banjo	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
ICE TECHNOLOGIES pad compatible caliper		X	X	X	-	-	-
Pad	Standard 1	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin) *	N03A-RF Resin (w/ fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)
	Standard 2	-	L05A-RF Resin (w/ fin) **	D03S-RX Resin (w/o fin)	-	-	-
	Option 1	G04S-MX Metal (w/o fin)	-	N04C-MF Metal (w/ fin)	-	-	-
	Option 2	J05A-RF Resin (w/ fin)	-	D02S-MX Metal (w/o fin)	-	-	-
Fixing screw spec for rear mount	10 mm mount	-	X	-	X	X	X
	15 mm mount	-	X	-	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	X
	15.2 mm	-	-	-	-	-	-
	18.7 mm	X	-	X	-	-	-
Recommended brake lever		BL-U8000	BL-U8000	BL-U8000	ST-U6030 BL-U6030-L	ST-U6030 BL-U6030-L	BL-MT201 BL-MT200
Recommended disc brake rotor		RT-MT800	RT-MT800	RT-MT800	SM-RT54 SM-RT30	SM-RT54 SM-RT30	SM-RT10 *, SM-RT26 *
Compatible rotor size	140 mm (SS)	X	X	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)	X	-	X	-	-	-
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		X	X	-	X	X	X
Mount type		Post type	Flat mount	Post type	Flat mount	Flat mount	Flat mount
Piston		2	2	4	2	2	2
Caliper	MONO-BODY	-	-	-	-	-	-
	Tool size	5 mm	4mm	5 mm	4 mm	4 mm	5 mm
Caliper fixing screw	Anti loosen method	Snap ring	Screw fix pin+Snap ring	Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring
	Pad mount	Pad axle	Pad axle	Pad axle	Split pin	Split pin	Split pin
Average weight (g)		107	-	117	-	-	-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		-	-	-	-	-	-
Note			* Available in OEM package only ** Available in OTC package only				* Only compatible with resin pad

Brake (Mechanical Disc Brake)

Series		TOURNEY TX
Model no.		BR-TX805
Color	1	Black
	2	-
	3	-
Brake type		Mechanical disc brake
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	B03S-RX Resin (w/o fin)
	Standard 2	-
	Option 1	-
	Option 2	-
Recommended brake lever		V-BRAKE BL (1.5-2.5 finger)
Recommended disc brake rotor		SM-RT10, SM-RT26
Mount type		Post type
Piston		1
Caliper	MONO-BODY	-
	Tool size	5 mm
Caliper fixing screw	Anti loosen method	Snap ring
	Pad mount	Split pin
Average weight (g)		-
Note		

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB

TREKKING

GRAVEL

ROAD

LIFESTYLE ACTIVE

LIFESTYLE COMFORT

GENERAL

SL 

BL 

ST 

RD 

FD 

BR 

FC 

BB 

CS/MF 

HB 

FH 

SW 

RD 

FH 

Crankset

Series		CUES	CUES	CUES	CUES	CUES	CUES	CUES
Model no.		FC-U8000-2	FC-U8000-1	FC-U6000-2	FC-U6000-2B	FC-U6010-2	FC-U6000-1	FC-U6030-2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		11	11/10/9	11/10/9 (36-22T), 10/9 (46-30T)	11/10/9	11	11/10/9	10/9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		48.8	50	48.8	51.8	48.8	55 (30T, 32T), 52 (30T, 32T), 50 (40T, 42T)	47
O.L.D.	Thru (mm)	142	142	142	148	142	*148, 142 (30T, 32T), 142 (40T, 42T)	142
	QR/Nut (mm)	135	135	135	141	135	*141, 135 (30T, 32T), 135 (40T, 42T)	135
P.C.D. (mm)		96	96	96 (36-22T), 110 (46-30T)	96	110	96 (30T, 32T), 110 (40T, 42T)	110
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		46-32T	40T, 42T	36-22T, 46-30T	36-22T	46-32T	30T, 32T, 40T, 42T	46-32T, 50-34T
Q-factor (mm)		180	180	180	180	180	180	152
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	-	-	-	-	X (chain line 55mm)	X
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	-	-	-	-	-	-	X
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	X	X	X (46-30T)	-	X	X (40T, 42T)	-
	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	-	-	-	-	-	-	-
	Threaded (normal)	BB-MT801	BB-MT801	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-RS501
Recommended bottom bracket	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	BB-MT501	-	BB-MT501	BB-MT501	-
	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-RS500-PB
	Axle length of BB-UN/ES (mm)	-	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	-	-	-	-	-	-	X
	73	X	X	X	X	X	X	-
	83	-	-	-	-	-	-	-
Chain case compatible		X	X	X (46-30T)	-	X	X (40T, 42T)	-
Stainless chain guard fixing screw		X	X	-	-	X	X	-
Crank fixing screw included		X	X	X	X	X	X	-
Average weight (g) (170 mm, w/o bottom bracket)				-	-	-	-	-
Note							* Chain line 55 mm spec. is for rear O.L.D 148(Thru)/141(QR) only (NEW)	

Crankset

Series		CUES	CUES	CUES	CUES	CUES	CUES	CUES
Model no.		FC-U6040-2	FC-U6030-1	FC-U6040-1	FC-U4000-2	FC-U4000-2B	FC-U4010-2	FC-U4010-2B
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-	-
Rear speeds		10/9	11/10/9	11/10/9	11/10/9	11/10/9	11/10/9 (36-22T, 40-26T), 10/9 (46-30T)	11/10/9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		47	50	50	48.8	51.8	48.8	51.8
O.L.D.	Thru (mm)	142	142	142	142	148	142	148
	QR/Nut (mm)	135	135	135	135	141	135	141
P.C.D. (mm)		110	110	110	Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4	4
Chaining combination		46-32T, 50-34T	40T, 42T	40T, 42T	36-22T, 40-26T	36-22T	36-22T, 40-26T, 46-30T	36-22T
Q-factor (mm)		152	152	152	178	178	180	180
Crank arm length (mm)	160	-	-	-	-	-	-	-
	165	-	X	-	-	-	-	-
	167.5	-	-	-	-	-	-	-
	170	X	X	X	X	X	X	X
	172.5	X	X	X	-	-	-	-
	175	X	X	X	X	X	X	X
	177.5	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	-	-	-	X (40-26T)	-	X (40-26T, 46-30T)	-
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		X	-	X	-	-	-	-
2-PIECE CRANKSET		-	X	-	-	-	X	X
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	-	-	X	X
	OCTALINK	-	-	-	-	-	-	-
	Square	-	-	-	X	X	-	-
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-UN101	BB-UN101	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	BB-MT501	-
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	-	BB-MT500-PA	BB-MT500-PA
Axle length of BB-UN/ES (mm)		-	-	-	LL123	LL123	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	X	X	X	-	-	-	-
	73	-	-	-	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	X (46-30T)	-
Stainless chain guard fixing screw		-	-	-	-	-	-	-
Crank fixing screw included		-	-	-	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-	-
Note								

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Crankset

Series		CUES	SHIMANO	SHIMANO ESSA	TOURNEY TX	SHIMANO	SHIMANO	SHIMANO
Model no.		FC-U4000-1	FC-UT400-1	FC-U2000-1	FC-TX801	FC-TY501-2	FC-TY501	FC-TY301
Color	1	Series color	Black	Series color	Black	Black	Black	Black
	2	-	-	-	Silver	-	Silver	-
Rear speeds		11/10/9	11/10/9	8/7	8/7/6	8/7	8/7/6	8/7/6
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Chain line (mm)		52 (30T, 32T), 50 (40T, 42T)	52, 55	52 (32T), 50 (40T)	50	48.8	47.5/47.5 + 1/50	47.5/47.5 + 1/50
O.L.D.	Thru (mm)	148, 142 (30T, 32T), 142 (40T, 42T)	148, 142	148/142 (32T), 142 (40T)	142	142	142	142
	QR/Nut (mm)	141, 135 (30T, 32T), 135 (40T, 42T)	141, 135	141/135 (32T), 135 (40T)	135	135	135	135
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4	4
Chainring combination		30T, 32T, 40T, 42T	32T	32T, 40T	42-32-22T, 48-38-28T	46-30T	42-34-24T, 48-38-28T	42-34-24T, 48-38-28T
Q-factor (mm)		178	178	178	187.9	185.5	185.5	181.5
Crank arm length (mm)	160	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-
	180	-	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-	-
	With chain guard	X (40T, 42T)	-	- (32T), X (40T)	X	X	X (integrated type)	X (integrated type)
	Without chain/bash guard	X	X	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-	-	-
2-PIECE CRANKSET		-	-	-	-	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	-	-	-	-	-	-	-
	OCTALINK	-	-	-	-	-	-	-
	Square	X	X	X	X	X	X	X
Recommended bottom bracket	Threaded (normal)	BB-UN101	BB-UN101	BB-UN101	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-UN101-K	-	BB-UN101-K, BB-UN300K	BB-UN101-K, BB-UN300K
	Press-Fit	-	-	-	-	-	-	-
Axle length of BB-UN/ES (mm)		LL123	LL123	LL123	LL123	LL123	D-NL, *D-EL	D-NL, *D-EL
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X	X
	70	-	-	-	-	-	-	-
	73	X	X	X	X	X	X	X
	83	-	-	-	-	-	-	-
Chain case compatible		X (40T, 42T)	-	-	X	-	X	X
Stainless chain guard fixing screw		X	-	X	-	-	-	-
Crank fixing screw included		X	X	X	X	X	X (Option)	-
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-	-
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

Crankset

Series		TOURNEY A070	TOURNEY
Model no.		FC-A070	FC-A073
Color	1	Series color	Series color
	2	-	-
Rear speeds		8/7	8/7
Compatible chain		HG 8/7/6-speed	HG 8/7/6-speed
Chain line (mm)		43.5	45
O.L.D.	Thru (mm)	142	142
	QR/Nut (mm)	135	135
P.C.D. (mm)		Riveted	Riveted
Spider/gear arms		5	5
Chainring combination		50-34T	50-39-30T
Q-factor (mm)		169	171.5
Crank arm length (mm)	160	-	-
	165	X	X
	167.5	-	-
	170	X	X
	172.5	-	-
	175	-	-
	177.5	-	-
	180	-	-
Optional chain guard	With bash guard	-	-
	With chain guard	X	X
	Without chain/bash guard	X	X
HOLLOWTECH II		-	-
2-PIECE CRANKSET		-	-
HOLLOWTECH crank arm		-	-
OCTALINK		-	-
HOLLOWGLIDE		-	-
Compatible bottom bracket type	Outboard	-	-
	OCTALINK	-	-
	Square	X	X
Recommended bottom bracket	Threaded (normal)	BB-UN300	BB-UN300
	Threaded (E-type)	-	-
	Threaded (chain case)	-	-
	Press-Fit	-	-
Axle length of BB-UN/ES (mm)		MM110	LL113
Threaded bottom bracket shell width (mm)	68	X	X
	70	X	X
	73	-	-
	83	-	-
Chain case compatible		-	-
Stainless chain guard fixing screw		-	-
Crank fixing screw included		-	-
Average weight (g) (170 mm, w/o bottom bracket)		-	-
Note			

- MTB
- TREKKING
- GRAVEL
- ROAD
- LIFESTYLE ACTIVE
- LIFESTYLE COMFORT
- GENERAL

 SL

 BL

 ST

 RD

 FD

 BR

 FC

 BB

 CS/MF

 HB

 FH

 SW

 RD

 FH

Bottom Bracket (HOLLOWTECH II)

Series		SHIMANO
Model no.		BB-UR400
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	X
	Press-Fit type	-
Threaded bottom bracket shell width (mm)	68	X
	73	-
	83	-
Press-Fit bottom bracket shell width (mm)	84.5	-
	89.5	-
	92	-
	104.5	-
	107	-
Small ball bearing		-
Average weight (g)		-
Note		Not compatible for E-type FD with BB plate

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
	Hollow pipe		X	X	X	X	X	X
Spindle	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 (for double)	-	-
		70 (M36)	X	-	-	X (for double)	-	-
		73 (BC1.37)	X	-	-	X	-	-
	D-H	68 (BC1.37)	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-	-
		117.5	-	-	-	-	-	-
	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 (for triple)	-	-
		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			

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)	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-
	117.5	68 (BC1.37)	-	X **	X	-	-
		68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
	118	73 (BC1.37)	-	-	-	-	-
		68 (BC1.37)	-	X **	X *	-	-
		70 (M36)	-	-	-	-	-
	XL118	73 mm	-	X	-	-	-
		68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
	121	73 (BC1.37)	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
	126	73 (BC1.37)	-	-	-	-	-
		68 (BC1.37)	-	X **	X **	-	X *
		70 (M36)	-	-	-	-	-
	D-NL 122	73 (BC1.37)	-	X *	-	-	-
		68 (BC1.37)	-	X *	X	-	-
		70 (M36)	-	-	-	-	-
	D-EL 127	73 (BC1.37)	-	-	-	-	-
		68 (BC1.37)	-	X	X ***	X	X **
		70 (M36)	-	-	-	-	-
	LL123	73 (BC1.37)	-	X	-	X	-
		68 (BC1.37)	-	-	-	-	-
		70 (M36)	-	-	-	-	-
	123SP	68 (BC1.37)	-	-	-	-	-
	130	68 (BC1.37)	-	-	-	-	-
Note		For FC-M521 only	* w/ Crank arm fixing screws spec. only ** w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. only ** w/ Crank arm fixing screws spec. is available *** w/ 0.7mm spacer	-	* w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. is available ** w/ 0.7 mm spacer

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SL

BL

ST

RD

FD

BR

FC

BB

CS/MF

HB

FH

SW

RD

FH

Cassette

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-LG700-11	CS-LG400-11	CS-LG400-10	CS-LG300-10	CS-LG400-9
Type		LINKGLIDE	LINKGLIDE	LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear speeds		11	11	10	10	9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination name (Group name)		11-45T, 11-50T	11-45T, 11-50T	11-39T, 11-43T, 11-48T	11-39T, 11-48T	11-36T, 11-41T, 11-46T
Combination * Titanium gear	1	11-13-15-17-20-23-26-30-34-39-45T	11-13-15-17-20-23-26-30-34-39-45T	11-13-15-17-20-23-26-30-34-39T	11-13-15-17-20-23-26-30-34-39T	11-13-15-17-20-23-26-30-36T
	2	11-13-15-17-20-23-26-30-36-43-50T	11-13-15-17-20-23-26-30-36-43-50T	11-13-15-17-20-23-26-30-36-43T	11-13-15-17-20-23-28-34-41-48T	11-13-15-17-20-23-28-34-41T
	3	-	-	11-13-15-17-20-23-28-34-41-48T	-	11-13-15-17-20-23-28-36-46T
	4	-	-	-	-	-
	5	-	-	-	-	-
	6	-	-	-	-	-
	7	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X *	X *	X *	X *	X *
	HG spline S (7-speed)	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	1	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	-	-	-
Titanium gear	QTY (pcs)	-	-	-	-	-
Aluminum gear	QTY (pcs)	-	-	-	-	-
Steel gear	QTY (pcs)	11	11	10	10	9
Average weight (g)		609 (11-50T)	-	-	-	-
Note		* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-LG300-9	CS-HG400-9	CS-HG51-8	CS-HG50-8	CS-HG400-8
Type		LINKGLIDE	HG	HG	HG	HG
Rear speeds		9	9	8	8	8
Compatible chain		LINKGLIDE, HG 11-speed	HG 9-speed	IG, HG 8/7/6-speed	HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination name (Group name)		11-36T, 11-41T, 11-46T	11-25T (G), 11-28T (bg), 11-32T (ar), 11-34T (au), 11-36T (cb), 12-36T (bh)	11-28T (bf), 11-30T (an), 11-32T (aw)	11-28T (bf), 11-30T (an), 11-32T (aw), 11-34T (Ca), 12-23T (U), 12-25T (W), 13-26T (V)	11-40T, 11-45T
Combination * Titanium gear	1	11-13-15-17-20-23-26-30-36T	11-12-13-15-17-19-21-23-25T (G)	11-13-15-17-19-21-24-28T (bf)	11-13-15-17-19-21-24-28T (bf)	11-13-15-18-22-27-33-40T
	2	11-13-15-17-20-23-28-34-41T	11-12-13-14-16-18-21-24-28T (bg)	11-13-15-17-20-23-26-30T (an)	11-13-15-17-20-23-26-30T (an)	11-13-15-18-22-27-35-45T
	3	11-13-15-17-20-23-28-36-46T	11-12-14-16-18-21-24-28-32T (ar)	11-13-15-18-21-24-28-32T (aw)	11-13-15-18-21-24-28-32T (aw)	-
	4	-	11-13-15-17-20-23-26-30-34T (au)	-	11-13-15-18-21-24-28-34T (Ca)	-
	5	-	11-13-15-17-20-23-26-30-36T (cb)	-	12-13-14-15-17-19-21-23T (U)	-
	6	-	12-14-16-18-21-24-28-32-36T (bh)	-	12-13-15-17-19-21-23-25T (W)	-
	7	-	-	-	13-14-15-17-19-21-23-26T (V)	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X *	X	X	X	X
	HG spline S (7-speed)	-	-	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-	-	-
Steel spider arm	QTY (pcs)	-	-	-	-	-
Titanium gear	QTY (pcs)	-	0	-	-	-
Aluminum gear	QTY (pcs)	-	0	-	-	-
Steel gear	QTY (pcs)	9	9	8	8	8
Average weight (g)		-	-	-	-	-
Note		* Follow compatibility chart				

Cassette

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-HG41-8	CS-HG31-8	CS-HG200-8	CS-HG300-8	CS-HG400-7
Type		HG	HG	HG	HG	HG
Rear speeds		8	8	8	8	7
Compatible chain		IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination name (Group name)		11-30T (an), 11-32T (aw), 11-34T (ao)	11-30T (an), 11-32T (aw), 11-34T (ao)	12-32T (br)	11-45T	11-28T (ac)
Combination * Titanium gear	1	11-13-15-17-20-23-26-30T (an)	11-13-15-17-20-23-26-30T (an)	12-14-16-18-21-24-28-32T (br)	11-13-15-18-22-27-35-45T	11-13-15-18-21-24-28T (ac)
	2	11-13-15-17-20-23-26-32T (aw)	11-13-15-17-20-23-26-32T (aw)	-	-	-
	3	11-13-15-17-20-23-26-34T (ao)	11-13-15-17-20-23-26-34T (ao)	-	-	-
	4	-	-	-	-	-
	5	-	-	-	-	-
	6	-	-	-	-	-
	7	-	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X	X	X	X
	HG spline S (7-speed)	-	-	-	-	-
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	8	8	7
Average weight (g)		-	-	-	-	-
Note						

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		CS-HG41-7	CS-HG20-7	CS-HG210-7	CS-HG200-7
Type		HG	HG	HG	HG
Rear speeds		7	7	7	7
Compatible chain		IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination name (Group name)		11-28T (ac)	12-28T (E)	12-28T (bm), 12-32T (bp)	12-28T (bm), 12-32T (bp)
Combination * Titanium gear	1	11-13-15-18-21-24-28T (ac)	12-14-16-18-21-24-28T (E)	12-14-16-18-21-24-28T (bm)	12-14-16-18-21-24-28T (bm)
	2	-	-	12-14-16-18-21-26-32T (bp)	12-14-16-18-21-26-32T (bp)
	3	-	-	-	-
	4	-	-	-	-
	5	-	-	-	-
	6	-	-	-	-
	7	-	-	-	-
Spline type	MICRO SPLINE	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	X	-
	HG spline S (7-speed)	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)	7	7	7	7
Average weight (g)		-	-	-	-
Note					

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	7	6	6
Compatible chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
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					

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Front Hub (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		HB-QB400	HB-QC400	HB-QC300	HB-TC500-12	HB-TC500-15	HB-TC500-15-B
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	-	-	-
	2 Hub shell	-	Silver	-	-	-	-
	2 Quick release	-	Black	-	-	-	-
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	100	110
Spoke hole	28H	-	-	X	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	-	X	X	X	X	X
CENTER LOCK mount cover option		X	X	X	-	-	-
Axle fixing method		Quick release	Quick release	Quick release	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	X	-	-	-
	133	X	X	X	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	X	-	-
	100 x 15	-	-	-	-	X	-
	110 x 15	-	-	-	-	-	X
	110 x 20	-	-	-	-	-	-
Flange distance (mm)		58.1	60.2	60.2	60.2	60.2	70.2
Offset (mm)		5.3	5.3	5.3	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 (32H/36H), 53.8 (28H)	52.8	52.8	52.8
Seal		Contact	Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal grease sleeve		-	-	-	-	-	-
Note							

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		HB-TX505	HB-TX506	HB-RM35
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	6-bolt disc brake	CENTER LOCK 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 12	-	-	-
	100 x 15	-	-	-
	110 x 15	-	-	-
	110 x 20	-	-	-
Flange distance (mm)		60.2	58.1	60.2
Offset (mm)		5.3	5.3	5.5
P.C.D. left / right (mm)		44/44	61/61	44/44
Flange diameter left / right (mm)		52.8 (32H/36H), 53.8 (28H)	70.6	52.8
Seal		Contact	Contact	Contact
Internal grease sleeve		-	-	-
Note		-	-	-

Front Hub (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	TOURNEY A070
Model no.		HB-NN300	HB-TX500-QR	HB-TX500-NT	HB-RM40
Color	1 Hub shell	Black	Black	Black	Black
	1 Quick release	-	Black	Black	Black
	2 Hub shell	-	Silver	Silver	Silver
	2 Quick release	-	Black	Black	Black
Brake type		Rim brake	Rim brake	Rim brake	Rim brake
O.L.D. (mm)		100	100	100	100
Spoke hole	28H	-	-	-	-
	32H	X	X	X	X
	36H	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-
	Without	X	X	X	X
CENTER LOCK mount cover option		-	-	-	-
Axle fixing method		Nut	Quick release	Nut	Quick release
Quick release skewer length (mm)	129	-	X	-	X
	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	71.6	71.6
Offset (mm)		0	0	0	0
P.C.D. left / right (mm)		38	38/38	38/38	38
Flange diameter (mm)		46	46	46	46
Seal		Contact	-	-	-
Internal grease sleeve		-	-	-	-
Note					

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-QC500-MS	FH-QC500-MS-B	FH-QB400-HM	FH-QC400-HM	FH-QC400-HM-B	FH-QC300-HM
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	Black	Black
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D. (mm)		135	141	135	135	141	135
Spoke hole	24H	-	-	-	-	-	-
	28H	X	X	-	-	-	-
	32H	X	X	X	X	X	X
	36H	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
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	X	X	X	X	X
CENTER LOCK mount cover option		-	-	-	X	-	X
Axle fixing method		Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	166	-	-	-	-	-	X
	168	X	-	X	X	-	-
	170	-	-	-	-	-	X
	172	-	-	-	-	-	-
	173	X	-	X	X	-	-
	174	-	X	-	-	X	-
	176	-	-	-	-	-	-
	178	-	X	-	-	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)		55.45	61.45	54.5	55.45	61.45	55.45
Offset (mm)		7.6	7.6	6.1	7.6	7.6	7.6
P.C.D. left / right (mm)		50.5/51.5	50.5/51.5	61.7/61.7	45/45	45	45/45
Flange diameter left / right (mm)		59.3/60.3	59.3/60.3	70.6/70.6	53.8/53.8	53.8	53.8
Spline type	MICRO SPLINE	X	X	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	X	X	X	X
	HG spline S (7-speed)	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	Contact	-	-	-	-
Internal grease sleeve		-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-
Quick release lever	Color	Black	Black	Black	Black	Black	Black
Note							

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FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-TC600-HM-B	FH-TC600-MS-B	FH-TC500-HL	FH-TC500-HM	FH-TC500-HM-B	FH-TC500-MS
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	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
Rear speeds		11/10/9/8/7	12	12/11	11/10/9/8/7	11/10/9/8/7	12
O.L.D. (mm)		148	148	142	142	148	142
Spoke hole	24H	-	-	-	-	-	-
	28H	X	X	X	X	X	X
	32H	X	X	X	X	X	X
	36H	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
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	12 mm E-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)	178	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
	142 x 12	-	-	X	X	-	X
	148 x 12	X	X	-	-	X	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange distance (mm)		61.1	61.1	55.45	55.45	61.45	55.45
Offset (mm)		7.19	7.19	7.6	7.6	7.6	7.6
P.C.D. left / right (mm)		60/61	60/61	50.5/51.5	50.5/51.5	50.5/51.5	50.5/51.5
Flange diameter left / right (mm)		68.8/69.8	68.8/69.8	59.3/60.3	59.3/60.3	59.3/60.3	59.3/60.3
Spline type	MICRO SPLINE	-	X	-	-	-	X
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	X	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	-	-	X	X	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		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		-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-
Quick release lever	Color	-	-	-	-	-	-
Note							

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FREEHUB (Rim Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-NN300-HM	FH-TX500-8-QR	FH-TX500-8-NT	FH-TY500-7-QR(135)	FH-TY500-7-QR(130)	FH-TY500-7-NT(135)	FH-TY500-7-NT(130)
Color	1 Hub shell	Black	Black	Black	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	Rim brake	Rim brake	Rim brake
Rear speeds		11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	7	7	7	7
O.L.D. (mm)		135	135	135	135	130	135	130
Spoke hole	28H	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X
	36H	X	X	X	X	X	X	X
10 tooth cog compatible		-	-	-	-	-	-	-
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		Nut	Quick release	Nut	Quick release	Quick release	Nut	Nut
Quick release skewer length (mm)	161	-	-	-	-	X	-	-
	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)		55.45	57.4	57.4	57.4	57.4	57.4	57.4
Offset (mm)		7.6	6.8	6.8	4.6	7.1	4.6	7.1
P.C.D. left / right (mm)		45	45	45	45	45	45	45
Flange diameter left / right (mm)		53.8	53.8	53.8	53.8	53.8	53.8	53.8
Spline type	MICRO SPLINE	-	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X	X	X	-	-	-	-
	HG spline S (7-speed)	-	-	-	X	X	X	X
Quick engagement		-	-	-	-	-	-	-
Seal	Hub	Contact	-	-	-	-	-	-
	FREEHUB body	-	-	-	-	-	-	-
Internal grease sleeve		-	-	-	-	-	-	-
Note					O.L.D. 130 mm available	O.L.D. 135 mm available	O.L.D. 130 mm available	O.L.D. 135 mm available

Shift Switch

Series			SHIMANO
Model no.			SW-EN605-R
Switch type			Fixed button position
Position			Clamp band
Di2 connectivity wired	Di2 shifting		-
Di2 connectivity wireless	Di2 shifting		X
Button numbers (pcs)			3
Master unit			-
Firmware update by E-TUBE PROJECT			-
SD50 port (pcs)			0
SD300 port (pcs)			0
SD50 connector (pcs)			0
SD300 connector (pcs)			0
Switch1	Default function		RD outward
	Multiple input	2 step	-
		Hold	X
	Adjustable lever position		-
	Default function		RD inward
Switch2	Multiple input	2 step	-
		Hold	X
	Adjustable lever position		-
	Switch3	Default function	
Multiple input		2 step	-
		Hold	X
Suspension switch			-
Battery			CR1632 x 2
LED	Shimano system status		X
Average weight (g)			-
Note			-

Rear Derailleur

Series			CUES	CUES	CUES	CUES
Model no.			RD-U8050-SGS	RD-U8050-GS	RD-U6070	RD-U6050
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Rear speeds			11/10	10	11	10
RD construction	SHIMANO SHADOW RD		X	X	X	X
	SHIMANO SHADOW RD+		-	-	-	-
	Double servo		-	-	-	-
	SHADOW ES		-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	X	X	X	X
		Direct mount	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-
		Direct mount	-	-	-	-
	UDH standard		X	X	X	X
Max. front difference			Single	Single	Single	Single
Total capacity			39T	32T	39T	32T
Low sprocket	Max.		50T	43T	50T	43T
	Min.		45T	43T	50T	43T
Top sprocket	Max.		11T	11T	11T	11T
	Min.		11T	11T	11T	11T
Fluoric coated link bushings			2	2	2	2
Pulley	Guide pulley bearing		-	-	-	-
	Tension pulley bearing		-	-	-	-
	Teeth		11T	11T	11T	11T
	Sunken type pulley screw		X	X	X	X
B-axle	Hollow axle		X	X	X	X
B-axle 2	Hollow axle		-	-	-	-
Di2 connectivity wired	Di2 shifting		X	X	X	X
	Di2 shifting		X	X	-	-
Di2 connectivity wireless	Bluetooth® LE	Cycling power	-	-	-	-
		ANT+	Bicycle power	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	X	X	-	-
		Di2 battery level	X	X	-	-
		Gear position	X	X	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	-	-	-	-
		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 E-BIKE SYSTEMS data items (*3)	-	-	-	-
	Firmware update by E-TUBE PROJECT			X	X	X
SD50 port (pcs)			0	0	0	0
SD300 port (pcs)			1 *	1 *	1	1
SD50 connector (pcs)			0	0	0	0
SD300 connector (pcs)			0	0	0	0
LED for system status			X	X	X	X
Power supply	Built-in battery		-	-	-	-
	Wired		X	X	X	X
Charging port			-	-	-	-
Charging cable			-	-	-	-
Average weight (g)			-	-	454	449
Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.			* Compatible with EW-PS300	* Compatible with EW-PS300		

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SL
BL
ST
RD
FD
BR
FC
BB
CS/MF
HB
FH
SW
RD
FH

MTB
TREKKING
GRAVEL
ROAD
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LIFESTYLE COMFORT
GENERAL
SL 
BL 
ST 
RD 
FD 
BR 
FC 
BB 
CS/MF 
HB 
FH 
SW 
RD 
FH 

AUTO SHIFT Dynamo FREEHUB

Series		CUES
Model no.		FH-U6060
Color	1 Hub shell	Series color
	1 Quick release	-
	2 Hub shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
Rear speeds		11/10
O.L.D. (mm)		142
Spoke hole	24H	-
	28H	X
	32H	X
	36H	X
10 tooth cog compatible		-
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		12 mm E-THRU
Quick release skewer length (mm)	166	-
	168	-
	170	-
	172	-
	173	-
	174	-
	176	-
	178	-
Thru axle (length x inner diameter ; mm)	135 x 10	-
	135 x 12	-
	142 x 12	X
	148 x 12	-
	150 x 12	-
	157 x 12	-
Flange distance (mm)		52.5
Offset (mm)		7.7
P.C.D. left / right (mm)		71.6/71.6
Flange diameter left / right (mm)		80.3/80.3
Spline type	MICRO SPLINE	-
	HG spline L2 (ROAD 12-speed dedicated)	-
	HG spline L (ROAD 12/11-speed)	-
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	X
	HG spline S (7-speed)	-
Engagement type		Pawl ratchet
Quick engagement		-
Seal	Hub	Contact
	FREEHUB body	Contact
Internal grease sleeve		-
Digital adjustment system		-
Quick release lever	Color	-
Average weight (g) (w/o axle, quick release nor lock ring)		
Note		Use EW-SD300 compatible cable

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7001-11	SG-S7001-8	SG-C7002-SCD	SG-C7000-5V	SG-C7000-5R	SG-C7000-5C
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
	2	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
	Recommended model	-	BR-S7000	BR-M6100, BR-MT420	-	BR-C6000, BR-C3010, BR-C3000	-
Rear speeds		11	8	5	5	5	5
Gear ratio	Total	409%	307%	263%	263%	263%	263%
	1	0.527	0.527	1	1	1	1
	2	0.681	0.644	1.277	1.277	1.277	1.277
	3	0.770	0.748	1.622	1.622	1.622	1.622
	4	0.878	0.851	2.07	2.07	2.07	2.07
	5	0.995	1	2.63	2.63	2.63	2.63
	6	1.134	1.223	-	-	-	-
	7	1.292	1.419	-	-	-	-
	8	1.462	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
Silent clutch		X	X	X	X	X	X
Gear change support mechanism		X	X	X	X	X	X
Shifting POWER MODULATOR		X	X	X	X	X	X
Driving efficiency		High	High	HIGH	High	High	High
w/ Left hand dust cap		-	-	-	X	-	-
O.L.D. (mm)		135	135	135	135	135	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	-
	184	-	-	-	-	-	-
	187	X	X	X	X	X	X
	193	-	-	-	-	-	-
Others		-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	58.3	58.3
Flange diameter (mm)		104.3	104.3	105.2	105.2	105.2	105.2
Flange width (mm)	Right	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
Offset (mm)		3.2	3.2	3.7	3.2	3.2	3.7
P.C.D. left / right (mm)		92.6	92.6	92.6	92.6	92.6	92.6
Average weight (g)		1665	1670	2010	1670	1670	1970
Note		-	-	-	-	-	-

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-C7000-5D	SG-C6011-8V	SG-C6011-8R	SG-C6001-8V	SG-C6001-8R	SG-C6001-8C
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	V-BRAKE	INTER-M	V-BRAKE	INTER-M	Coaster brake
	Recommended model	-	-	BR-C6000, BR-C3010, BR-C3000	-	BR-C6000, BR-C3010, BR-C3000	-
Rear speeds		5	8	8	8	8	8
Gear ratio	Total	263%	307%	307%	307%	307%	307%
	1	1	0.527	0.527	0.527	0.527	0.527
	2	1.277	0.644	0.644	0.644	0.644	0.644
	3	1.622	0.748	0.748	0.748	0.748	0.748
	4	2.07	0.851	0.851	0.851	0.851	0.851
	5	2.63	1	1	1	1	1
	6	-	1.223	1.223	1.223	1.223	1.223
	7	-	1.419	1.419	1.419	1.419	1.419
	8	-	1.615	1.615	1.615	1.615	1.615
	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting structure		Top-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent clutch		X	X	X	X	X	X
Gear change support mechanism		X	X	X	X	X	X
Shifting POWER MODULATOR		X	X	X	X	X	X
Driving efficiency		High	High	High	Standard	Standard	Standard
w/ Left hand dust cap		-	X	-	X	-	-
O.L.D. (mm)		135	132	132	132	132	132
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
	Others	-	-	40H	-	40H	-
Axle length (mm)	182	-	-	-	-	-	-
	184	-	X	X	X	X	X
	187	X	-	-	-	-	-
	193	-	-	-	-	-	-
Others		-	-	-	203	203	-
Flange distance (mm)		57.3	58.3	58.3	58.3	58.3	58.3
Flange diameter (mm)		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
	Left	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		3.2	2.7	2.7	2.7	2.7	2.55
P.C.D. left / right (mm)		92.6	92.6	92.6	92.6	92.6	92.6
Average weight (g)		1650	1685	1660	1735	1710	2040
Note		-	-	-	-	-	-

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Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		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
	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	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-C3010, BR-C3000	-	-	-
Rear speeds		8	8	7	7	7	7
Gear ratio	Total	307%	307%	244%	244%	244%	244%
	1	0.527	0.527	0.632	0.632	0.632	0.632
	2	0.644	0.644	0.741	0.741	0.741	0.741
	3	0.748	0.748	0.843	0.843	0.843	0.843
	4	0.851	0.851	0.989	0.989	0.989	0.989
	5	1	1	1.145	1.145	1.145	1.145
	6	1.223	1.223	1.335	1.335	1.335	1.335
	7	1.419	1.419	1.545	1.545	1.545	1.545
	8	1.615	1.615	-	-	-	-
	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting structure		Low-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent clutch		X	X	-	-	-	-
Gear change support mechanism		X	X	-	-	-	-
Shifting POWER MODULATOR		X	X	-	-	-	-
Driving efficiency		Standard	Standard	Standard	Standard	Standard	Standard
w/ Left hand dust cap		-	-	-	-	-	-
O.L.D. (mm)		135	135	130	127	127	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Axle length (mm)	182	-	-	X	-	-	-
	184	-	-	-	-	X	-
	187	X	X	-	-	-	X
	193	-	-	-	-	-	-
	Others	-	-	201	176	176	-
Flange distance (mm)		57.3	58.3	54.6	56.2	56.2	54.6
Flange diameter (mm)		105.2	105.2	99.6	92.5	92.5	99.6
Flange width (mm)	Right	3.2	3.2	3.2	2.3	2.3	3.2
	Left	3.2	3.2	3.2	2.7	2.7	3.2
Offset (mm)		3.1	4	3.85	4.6	4.6	2.5
P.C.D. left / right (mm)		92.6	92.6	87	83.5	83.5	87
Average weight (g)		1730	2090	1495	1915	1915	1470
Note		-	-	*European market only	*European market only	-	*European market only

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-5R30	SG-5R30-VS	SG-5R35-VS	SG-3R75-B	SG-3R40	SG-3R42
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
	2	-	-	Black	-	-	-
	3	-	-	-	-	-	-
Brake type	Mount type	INTER-M	V-BRAKE	V-BRAKE	INTER-M	INTER-M	INTER-M
	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
Gear ratio	Total	206%	206%	206%	158%	186%	186%
	1	0.750	0.750	0.750	0.632	0.733	0.733
	2	1.001	1.001	1.001	0.741	1.000	1.000
	3	1.159	1.159	1.159	1.000	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
Silent clutch		X	X	X	X	-	-
Gear change support mechanism		-	-	-	-	X	X
Shifting POWER MODULATOR		-	-	-	-	X	X
Driving efficiency		Standard	Standard	Standard	HIGH	Standard	Standard
w/ Left hand dust cap		-	X	X	-	-	-
O.L.D. (mm)		132	132	132	122	120/127	120
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	-	-	-	-	X	X
	32H	X	X	X	-	X	-
	36H	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	X	X
	184	X	X	X	-	X	-
	187	-	-	-	-	-	-
	193	-	-	-	X	-	-
	Others	210	210	-	174/198/200	170/177/189/192	192
Flange distance (mm)		54.6	54.6	54.6	51.1	53.5	53
Flange diameter (mm)		86	86	86	92.5	84	70
Flange width (mm)	Right	2.3	2.3	2.3	2.3	2.3	3.0
	Left	2.5	2.5	2.5	2.7	2.3	3.0
Offset (mm)		0.3	0.3	0.3	3.6	0.8 (120mm axle)/2.5	0.8
P.C.D. left / right (mm)		76	76	76	83.5	74	60
Average weight (g)		1305	1330	1255	1315	885	872
Note		*Japan market only	*Japan market only	*Japan market only	-	-	Specification for Japan market

Internal Geared Hub

Series		NEXUS	NEXUS
Model no.		SG-3C41	SG-3D55
Color	1	Silver	Black
	2	-	-
	3	-	-
Brake type	Mount type	Coaster brake	CENTER LOCK disc brake
	Recommended model	-	-
Rear speeds		3	3
Gear ratio	Total	186%	186%
	1	0.733	0.733
	2	1.000	1.000
	3	1.364	1.364
	4	-	-
	5	-	-
	6	-	-
	7	-	-
	8	-	-
	9	-	-
	10	-	-
	11	-	-
Shifting structure		Low-normal	Low-normal
Silent clutch		-	X
Gear change support mechanism		X	X
Shifting POWER MODULATOR		X	X
Driving efficiency		Standard	Standard
w/ Left hand dust cap		-	-
O.L.D. (mm)		120/127	135
Spoke size		#13/#14	#13/#14
Spoke hole	28H	X	-
	32H	-	X
	36H	X	X
	Others	-	-
Axle length (mm)	182	-	-
	184	-	-
	187	-	-
	193	-	X
	Others	168/175/178	-
Flange distance (mm)		57.5	53.5
Flange diameter (mm)		67.5	77.6
Flange width (mm)	Right	2.3	3.2
	Left	2.3	3.2
Offset (mm)		1.2/2.7 (175mm axle)	1.7
P.C.D. left / right (mm)		59	65
Average weight (g)		1120	945
Note		-	-

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		HG 9-speed	HG 9-speed (CS-S500), HG 8/7/6-speed (SM-GEAR)
Compatible 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	16T (SM-GEAR), 18T (CS-S500)
Dropout		Vertical drop end type	Vertical drop end type
Mount		Derailleur hanger	Hub axle
Structure		Double pulley	Single pulley
Note			

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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Shifter

Series			ALFINE	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Model no.			SL-S700	SL-S7000-8	SL-S503	SL-C6001-8	SL-C6000-8	SL-7550	SL-C3001-7
Color	1		Silver	Silver	Silver	Black	Silver	Silver	Black
	2		Black	Black	Black	Silver	Black	Black	Silver
	3		-	-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT
Top-normal			X	X	-	-	-	-	-
Front speeds			-	-	-	-	-	-	-
Rear speeds			11	8	8	8	8	7	7
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-8	NEXUS INTER-7	NEXUS INTER-7
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	7	1	6
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	
Clamping diameter (mm)			22.2	22.2	22.2	22.2	22.2	22.2	
Average weight (g)			-	-	-	-	-	-	
Note							*European market only		

Series			NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.			SL-C3000-7	SL-C7000-5	SL-S550	SL-S530	SL-S530-A	SL-S542E	SL-C2010-3
Color	1		Silver	Silver	Silver	Silver	Silver	-	Black
	2		Black	Black	Black	Black	Black	Black	-
	3		-	-	-	White	White	-	-
Shifter type			REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS
Top-normal			-	X	-	-	-	-	-
Front speeds			-	-	-	-	-	-	-
Rear speeds			7	5	5	5	5	3	3
Compatible rear derailleur/internal geared hub type			NEXUS INTER-7	NEXUS INTER-5E	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-3	NEXUS INTER-3
Compatible front derailleur type			-	-	-	-	-	-	-
Shift lever position adjust			-	-	-	-	-	-	-
Shift lever cable adjust			X	X	X	X	X	-	X
Max. multiple shifts (main lever/rear)			6	4	1	4	4	2	1
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		Window	Window	Window	Window	Window	Window	Below handlebar
	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-SP41	OT-SP41	OT-SP40	SP outer for IHG
Clamping diameter (mm)			22.2	22.2	22.2	22.2	22.2	22.2	22.2
Average weight (g)			-	-	-	-	-	-	-
Note			*European market only	w/ Rubber bellows spec. is available					

Series			NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	
Model no.			SL-3541E	SL-3535E	SL-3558	SL-3542	SL-3543	SL-3590	SL-3591J
Color	1		-	-	Silver	Silver	Silver	Gray	-
	2		Black	Black	Black	Black	Black	Black	-
	3		-	-	White	-	White	-	White
Shifter type			REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Piano-touch	Piano-touch
Top-normal			-	-	-	-	-	-	-
Front speeds			-	-	-	-	-	-	-
Rear speeds			3	3	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	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	2	2
Release function	MULTI RELEASE		-	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		Window	Dial	Window	Window	Window	Dial	Dial
	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-SP40	OT-SP40	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	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 shifter mount	Clamp band	X
	I-SPEC B	-
	I-SPEC II	X
	I-SPEC EV	-
Shifter rotation angle adjust range (I-SPEC EV ; deg.)		-
Clamp band	Open clamp	X
Recommended brake caliper		BR-S7000
Oil		SHIMANO mineral
Funnel bleeding		X
Average weight (g)		-
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	-
J-Kit spec (for OEM)		X
ICE TECHNOLOGIES pad compatible caliper		-
Pad	Standard 1	G05S-RX Resin (w/o fin)
	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	-
	35 mm mount	-
Recommended brake lever		BL-S7000
Recommended disc brake rotor		SM-RT64 SM-RT66
Compatible rotor size	140 mm (SS)	X
	160 mm (S)	X
	180 mm (M)	X
	203 mm (L)	X
	220 mm (LL)	-
Oil		SHIMANO mineral
ONE WAY BLEEDING		X
Mount type		Post type
Piston		2
Caliper	MONO-BODY	-
	Tool size	5 mm
Caliper fixing screw	Anti loosen method	Snap ring
	Pad mount	Split pin (stainless steel)
Average weight (g)		-
Note		

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

SG

CT

CS

SL

BL

BR

RB

FC

HB

FH

HP

SG

MU

Brake (Roller Brake)

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		BR-C6061-F	BR-C6060-F	BR-C6051-F	BR-C6050-F	BR-C6001-F	BR-C6001-R	BR-C6000-F
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	-	-	-	-	-	-	-
Front		X	X	X	X	X	-	X
Rear		-	-	-	-	-	X	-
Structure type		Hyper	Hyper	Hyper	Hyper	Hyper	Hyper	Hyper
Braking power (*1)		1.5	1.5	1.5	1.5	1.5	1.2	1.5
Cooling fin diameter (mm)		138	138	138	138	150	150	150
Heat dissipation (*1)		1.4	1.4	1.4	1.4	1.4	1.4	1.4
Without cooling fin		-	-	-	-	-	-	-
With POWER MODULATOR function		X	X	X	X	-	-	-
Wheel size (inch)/ Outer diameter of tire (mm)	26-28 inch	-	-	-	-	X	X	X
	660-712 mm	X	X	X	X	-	-	-
	20-28 inch	-	-	-	-	-	-	-
	16-28 inch	-	-	-	-	-	-	-
	24-28 inch	-	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-	-
Roller brake modulator grade	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	100-130	70-100	70-100	-	-	-
	Inner cable quick release	X	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.		SUS CAP, Except Japan market	Except Japan market	SUS CAP, Except Japan market	Except Japan market	SUS CAP	SUS CAP	

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		BR-C6000-F-DX	BR-C6000-R	BR-C6000-R-DX	BR-C3011-F	BR-C3011-R	BR-C3010-F	BR-C3010-R
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	-	-	-	-	-	-	-
Front		X	-	-	X	-	X	-
Rear		-	X	X	-	X	-	X
Structure type		Hyper	Hyper	Hyper	Normal	Normal	Normal	Normal
Braking power (*1)		1.5	1.2	1.2	1.3	1	1.3	1.0
Cooling fin diameter (mm)		150	150	150	140	140	140	140
Heat dissipation (*1)		1.4	1.4	1.4	1.2	1.2	1.2	1.2
Without cooling fin		-	-	-	-	-	-	-
With POWER MODULATOR function		-	-	-	-	-	-	-
Wheel size (inch)/ Outer diameter of tire (mm)	26-28 inch	X	X	X	X	X	X	X
	660-712 mm	-	-	-	-	-	-	-
	20-28 inch	-	-	-	-	-	-	-
	16-28 inch	-	-	-	-	-	-	-
	24-28 inch	-	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-	-
Roller brake modulator grade	More than 26 inch high	X	-	-	-	-	-	-
	More than 26 inch standard	-	-	-	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	X
Note*1 Performance index rating uses BR-C3000-R brake unit as a reference value of 1. Testing condition.					SUS CAP	SUS CAP		

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		BR-C3001-F	BR-C3001-R	BR-C3000-F	BR-C3000-F-DX	BR-C3000-R	BR-C3000-R-DX	BR-IM31-R
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	-	Black	-	-
Front		X	-	X	X	-	-	-
Rear		-	X	-	-	X	X	X
Structure type		Normal	Normal	Normal	Normal	Normal	Normal	Normal
Braking power (*1)		1.3	1	1.3	1.3	1.0	1.0	0.9
Cooling fin diameter (mm)		122	122	122	122	122	122	90
Heat dissipation (*1)		1	1	1.0	1.0	1.0	1.0	Less than 1
Without cooling fin		-	-	-	-	-	-	Available
With POWER MODULATOR function		-	-	-	-	-	-	-
Wheel size (inch)/ Outer diameter of tire (mm)	26-28 inch	X	X	X	X	X	X	X
	660-712 mm	-	-	-	-	-	-	-
	20-28 inch	-	-	-	-	-	-	-
	16-28 inch	-	-	-	-	-	-	-
	24-28 inch	-	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-	-
Roller brake modulator grade	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.		SUS CAP	SUS CAP					

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	-	X (CN-NX10)
	LG	-	-
Chain line (mm)		49.2 (double chain guard), 42.7 (single chain guard)	44
P.C.D. left / right (mm)		130	-
Spider/gear arms		5	-
Chainring combination		39T, 42T, 45T	33T, 38T
Q-factor (mm)		-	-
Crank arm length (mm)	165	-	-
	167.5	-	-
	170	X	X
	172.5	-	-
	175	-	-
	177.5	-	-
	180	-	-
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)	BB-R5501	-
	Threaded (E-type)	-	-
	Threaded (chain case)	-	BB-UN300-K
	Press-Fit	-	-
Axle length of BB-UN/ES (mm)		-	-
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 screw and spec w/o screw are available.

Front Hub (Roller Brake)

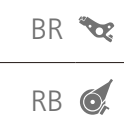
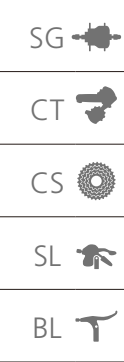
Series		NEXAVE	NEXUS
Model no.		HB-IM70-NT	HB-IM40
Color	1 Hub shell	Silver	Silver
	1 Quick release	Silver	-
	2 Hub shell	-	-
	2 Quick release	-	-
Type		For hub roller brake	For hub roller brake
Spoke holes	28H	-	-
	32H	-	-
	36H	X	X
	Others	-	-
P.C.D. (mm)		70	52
O.L.D. (mm)		100/105	100
Flange distance (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	16-20 inch	-	-
	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			

MTB
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GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



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
	Speeds	8/9	7	-	-
FREEHUB body	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
	Speeds	Single speed
FREEHUB body	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

Head Parts

Series		NEXUS
Model no.		HP-NX10
Color	1	Black
	2	-
A (mm)		φ30.01 - φ30.2
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		

Internal Geared Hub

Series		ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7051-11	SG-S7051-8	SG-C6061-8V	SG-C6061-8D	SG-C7050-5V	SG-C7050-5D
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	CENTER LOCK disc brake	V-BRAKE	CENTER LOCK disc brake	V-BRAKE	CENTER LOCK disc brake
	Recommended model	-	-	-	-	-	-
Rear speeds		11	8	8	8	5	5
Gear ratio	Total	409%	307%	307%	307%	263%	263%
	1	0.527	0.527	0.527	0.527	1	1
	2	0.681	0.644	0.644	0.644	1.277	1.277
	3	0.770	0.748	0.748	0.748	1.622	1.622
	4	0.878	0.851	0.851	0.851	2.07	2.07
	5	0.995	1	1	1	2.63	2.63
	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		DI2	DI2	DI2	DI2	DI2	DI2
Silent clutch		X	X	X	X	X	X
Gear change support mechanism		X	X	X	X	X	X
Shifting POWER MODULATOR		X	X	X	X	X	X
Driving efficiency		HIGH	High	High	High	High	High
w/ Left hand dust cap		-	-	X	-	X	-
O.L.D. (mm)		135	135	135	135	135	135
Spoke size		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
Spoke hole	28H	X	-	-	-	-	-
	32H	X	X	-	X	-	X
	36H	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Axle length (mm)	182	-	-	-	-	-	-
	184	-	-	-	-	-	-
	187	X	X	X	X	X	X
	193	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	57.3	58.3	57.3
Flange diameter (mm)		104.3	104.3	105.2	105.2	105.2	105.2
Flange width (mm)	Right	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
Offset (mm)		3.15	3.15	3.1	3.4	3.7	3.2
P.C.D. left / right (mm)		92.6	92.6	92.6	92.6	92.6	92.6
Average weight (g)		1665	1670	1685	1680	1670	1670
Note							

Motor Unit

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		MU-UR520	MU-UR510	MU-UR500
Color	1	Black	Black	Black
	2	-	-	-
	3	-	-	-
Compatible internal geared hub		SG-S7051-11 SG-S7051-8 SG-C6061-8 SG-C7050-5	SG-S7051-11 SG-S7051-8 SG-C6061-8 SG-C7050-5	SG-S7051-11 SG-S7051-8 SG-C6061-8 SG-C7050-5
Compatible speed		11/8/5-speed	11/8/5-speed	11/8/5-speed
Master unit		-	-	-
Firmware update by E-TUBE PROJECT		X	X	X
SD50 port (pcs)		0	0	1
SD300 port (pcs)		1 *	1	0
SD50 connector (pcs)		0	0	0
SD300 connector (pcs)		0	0	0
Charging port (pcs)		0	0	0
Note		* Compatible with EW-PS300	-	-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



- MTB
- TREKKING
- GRAVEL
- ROAD
- LIFESTYLE ACTIVE
- LIFESTYLE COMFORT
- GENERAL



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	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
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	Used only with front single		

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	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 10-speed (for 2x10s)	HG 10-speed (for 3x10s)
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			Used only with front single				For triple

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	NEXUS
Model no.	CN-4601	CN-HG93	CN-E6070-9	CN-HG53	CN-HG71	CN-HG40	CN-NX10
Type	HG 10-speed (for 2x10s)	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed	Single speed 1/2 x 1/8 inch
E-BIKE rear derailleur system compatible	-	-	X	-	-	-	-
Pin link plate	Gray	Zinc-alloy plated	Gray	Gray	Silver	Gray	-
Roller link plate	Brown	Gray	Gray	Brown	Gray	Brown	-
Roller	-	-	-	-	-	-	-
Chromizing treatment roller link pin	X	X	X	X	X	-	-
Hollow pin	-	-	-	-	-	-	-
Average weight (g) (114 links)	-	299	276	299	324	324	-
Note			Used only with front single				

QUICK-LINK

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-CN910-12	SM-CN900-11	SM-UG51
E-BIKE rear derailleur system compatible	X	X	X
Compatible chain	HG 12-speed	LINKGLIDE, HG 11-speed	HG 8/7/6-speed
Pin link plate	Nickel plated	Nickel plated	-
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, LINKGLIDE chain	QUICK-LINK for HG 8/7/6-speed chain

Disc Brake Rotor

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	RT-CL900	RT-CL800	RT-CL700	RT-MT900	RT-MT905	RT-MT800
CENTER LOCK	X	X	X	X	-	X
6-bolt (P.C.D. 44 mm)	-	-	-	-	X	-
ICE TECHNOLOGIES	X	X	X	X	X	X
ICE TECHNOLOGIES FREEZA	X	X	-	X	X	X
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint	X	-	-	X	X	-
Outside diameter (mm)	220	-	-	-	-	-
	203	X	X	X	X	X
	180	X	X	X	X	X
	160	X	X	X	-	X
	140	X	X	X	-	X
Pad material compatibility	Metal	X	X	X	X	X
	Resin	X	X	X	X	X
Pad lining shape compatibility	Narrow	X	X	X	X	X
	Wide	-	-	-	-	-
Average weight (g) (w/o lock ring)	97 (140 mm), 114 (160 mm), 139 (180 mm), 169 (203 mm)	97 (140 mm), 114 (160 mm), 139 (180 mm), 169 (203 mm)		88 (140 mm), 108 (160 mm), 132 (180 mm), 150 (203 mm)	147 (180 mm), 187 (203 mm)	88 (140 mm), 108 (160 mm), 132 (180 mm), 164 (203 mm)
Note					With anti loosen tightening plate	

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-RT900	SM-RT800	SM-RT86	SM-RT70	SM-RT76	SM-RT66
CENTER LOCK	X	X	-	X	-	-
6-bolt (P.C.D. 44 mm)	-	-	X	-	X	X
ICE TECHNOLOGIES	X	X	X	X	-	-
ICE TECHNOLOGIES FREEZA	X	X	-	-	-	-
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint	X	-	-	-	-	-
Outside diameter (mm)	220	-	-	-	-	X
	203	-	X	X	X	X
	180	-	X	X	X	X
	160	X	X	X	X	X
	140	X	-	X	-	-
Pad material compatibility	Metal	X	X	X	X	X
	Resin	X	X	X	X	X
Pad lining shape compatibility	Narrow	X	X	X	X	X
	Wide	-	-	-	-	-
Average weight (g) (w/o lock ring)	99 (140 mm), 117 (160 mm)	108 (140 mm), 128 (160 mm)	135 (160 mm), 154 (180 mm), 187 (203 mm)	121 (140 mm), 133 (160 mm), 159 (180 mm), 193 (203 mm)	141 (160 mm), 169 (180 mm), 209 (203 mm)	-
Note			With anti loosen tightening plate		With anti loosen tightening plate	With anti loosen tightening plate

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-RT64	SM-RT56	SM-RT54	SM-RT30	SM-RT26	SM-RT10
CENTER LOCK	X	-	X	X	-	X
6-bolt (P.C.D. 44 mm)	-	X	-	-	X	-
ICE TECHNOLOGIES	-	-	-	-	-	-
ICE TECHNOLOGIES FREEZA	-	-	-	-	-	-
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint	-	-	-	-	-	-
Outside diameter (mm)	220	X	-	-	-	-
	203	X	-	X	-	-
	180	X	X	X	X	X
	160	X	X	X	X	X
	140	X	-	-	X	-
Pad material compatibility	Metal	X	-	-	-	-
	Resin	X	X	X	X	X
Pad lining shape compatibility	Narrow	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	

Series	SHIMANO
Model no.	SM-RTC60
CENTER LOCK	-
6-bolt (P.C.D. 44 mm)	-
ICE TECHNOLOGIES	-
ICE TECHNOLOGIES FREEZA	-
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint	-
Outside diameter (mm)	220
	203
	180
	160
	140
Pad material compatibility	Metal
	Resin
Pad lining shape compatibility	Narrow
	Wide
Average weight (g) (w/o lock ring)	-
Note	Disc brake rotor is fixed by 5 bolts with 74 mm P.C.D.

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

CN/
SMCN

RT

BH

RTAD

OT

SMCB/
SMCA

PM

DH

LP

SMAX

EW

EWC

GM

WU

JC

BT

BM

SMBT

SMBC

BCC

EWEC

SMPCE

SMCB

SMCC

EWEX

EWPS

PD

Disc Brake Hose

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-BH90-JK-SSR	SM-BH90-SB	SM-BH90-SBL5	SM-BH90-SBM	SM-BH90-SBS	SM-BH90-SS
Color	1	Black	Black	Black	Black	Black	Black
	2	-	White	-	-	White	White
	3	-	-	-	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight	Straight	Straight	Straight
	Brake caliper	Straight	Banjo	Banjo	Banjo	Banjo	Straight
Rigidity		High power	High power	High power	High power	High power	High power
Banjo	Length	-	Standard	Long	Standard	Standard	-
	Banjo screw length	-	Long	Short	Long, BR-M9120 spec. *, BR-M8100 spec. *	Short	-
Note					* Banjo screw is not included.		

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		SM-BH59-JK-SS	SM-BH59-JK-SSR	SM-BH59-SB
Color	1	Black	Black	Black
	2	White	-	White
	3	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight
	Brake caliper	Straight	Straight	Banjo
Rigidity		Standard	Standard	Standard
Banjo	Length	-	-	Standard
	Banjo screw length	-	-	-
Note				

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	-	-
Outer	High-tech gray	X	X	-	-
	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
	135 deg.	X
Compatible brake	V-BRAKE	X**
	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***
	V-BRAKE 3-finger	X***
	V-BRAKE 2-finger	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

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-S
Regulation	StVZO	X	X	X	X	X
	TPGBi	-	-	-	-	-
	JIS	-	-	-	-	-
	Others	ISO	-	-	-	-
Color	1 Hub shell	Silver	Silver	Black	Silver	Silver
	1 Quick release	-	-	Black	-	Black
	2 Hub shell	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	-	-	-
	20-28 inch	-	-	-	-	-
	18-28 inch	-	-	-	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
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	-
	36H	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
	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	

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

CN/
SMCN

RT

BH

RTAD

OT

SMCB/
SMCA

PM

DH

LP

SMAX

EW

EWC

GM

WU

JC

BT

BM

SMBT

SMBC

BCC

EWEC

SMPCE

SMCB

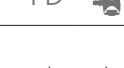
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EWEX

EWPS

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GENERAL



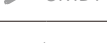
Hub Dynamo

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		DH-3D72	DH-3D37-QR	DH-3D37-NT	DH-3D32-QR	DH-3D32-NT	DH-3N72
Regulation	StVZO	X	X	X	X	X	X
	TPGBi	X	X	X	X	X	-
	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Color	1 Hub shell	Silver	Silver	Silver	Clear	Clear	Silver
	1 Quick release	Silver	-	-	-	-	Silver
	2 Hub shell	Black	Black	Black	Black	Black	Black
	2 Quick release	Black	-	-	-	-	Silver
Brake type		Disc brake	Disc brake	Disc brake	Disc brake	Disc brake	Regular
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
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	-	X	X	X	X	-
	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(646-716)	(400 - 716)	(400 - 716)	(400 - 716)	(400 - 716)	(646-716)
Axle fixing method		Quick release	Quick release	Nut	Quick release	Nut	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
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	51.1	51.1	60.0
Offset (mm)		3.8	4	4	4	3.6	0
P.C.D. left / right (mm)		70	74	74	74	74	70
Axle length (mm)		108	108	108	108	140	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	680	685	705	560
Note							

Hub Dynamo

Series		ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		DH-S501	DH-C6000-3R-NT	DH-C6000-2R	DH-C6000-1R	DH-C3000-3N-QR	DH-C3000-3N-NT
Regulation	StVZO	X	X	-	X	X	X
	TPGBi	-	X	-	-	X	X
	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Color	1 Hub shell	Silver	Silver	Silver	Silver	Silver	Silver
	1 Quick release	Silver	Black	-	-	-	-
	2 Hub shell	Piano black	-	Black	Black	Black	Black
	2 Quick release	Silver	-	-	-	-	-
Brake type		Disc brake	Hub roller brake	Hub roller brake	Hub roller brake	Regular	Regular
CENTER LOCK mount type		X	-	-	-	-	-
Voltage (V)		6	6	6	6	6	6
Output (W)		3	3	2.4	1.5	3.0	3.0
Wheel size	26-28 inch	X	X	X	X	-	-
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	-	-	-	-	X	X
	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(646-716)	(646-716)	(646-716)	(646-716)	(400 - 716)	(400 - 716)
Axle fixing method		Quick release	Nut	Nut	Nut	Quick release	Nut
Quick release type		X	-	-	-	X	-
Nut type		-	X	X	X	-	X
E-THRU type		-	-	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-	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)		52.1	58.1	58.1	58.1	60.0	60.0
Offset (mm)		3.8	4.7	4.7	4.7	0.6	1.0
P.C.D. left / right (mm)		70	76	76	76	74	74
Axle length (mm)		108	140	140	140	108	140
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	-	-	-	-	-	-
Average weight (g)		564	960	960	960	700	712
Note					* For LED light use only		

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

CN/ SMCN

RT

BH

RTAD

OT

SMCB/ SMCA

PM

DH

LP

SMAX

EW

EWC

GM

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SMBC

BCC

EWEC

SMPCE

SMCB

SMCC

EWEX

EWPS

PD

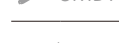
Hub Dynamo

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		DH-C3000-2N-QR	DH-C3000-2N-NT	DH-C3000-1N	DH-C2100-N	DH-C2100-NC	DH-C2100-N-QR
Regulation	StVZO	-	-	X	-	-	-
	TPGBi	-	-	-	-	-	-
	JIS	-	-	-	-	-	-
	Others	-	-	-	VIA	VIA	VIA
Color	1 Hub shell	Silver	Silver	Silver	Silver	Silver	Silver
	1 Quick release	-	-	-	-	-	Silver
	2 Hub shell	Black	Black	Black	Black	Black	Black
	2 Quick release	-	-	-	-	-	Black
Brake type		Regular	Regular	Regular	Regular	Regular	Regular
CENTER LOCK mount type		-	-	-	-	-	-
Voltage (V)		6	6	6	6	6	6
Output (W)		2.4	2.4	1.5	0.9	0.9	0.9
Wheel size	26-28 inch	-	-	-	-	-	-
	20-28 inch	-	-	X	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	X	X	-	-	-	-
	24-28 inch	-	-	-	X	-	X
	20-24 inch	-	-	-	-	X	-
	16-20 inch	-	-	-	-	-	-
Compatible wheel size (mm)		(400 - 716)	(400 - 716)	(448 - 716)	-	-	-
Axle fixing method		Quick release	Nut	Nut	Nut	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	93	93	100
Flange distance (mm)		60.0	60.0	56.0	58	58	58
Offset (mm)		0.6	1.0	0	0.5	0.5	0.5
P.C.D. left / right (mm)		74	74	67	60	60	60
Axle length (mm)		108	140	140	150/155	150/155	108
Spoke size		#14	#14	#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	X	-	-	-
	Others	-	-	-	X (J2-A)	X (J2-A)	X (J2-A)
Average weight (g)		700	705	600	491	491	474
Note				* For LED light use only	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market

Hub Dynamo

Series		NEXUS	NEXUS	NEXUS	SHIMANO	SHIMANO
Model no.		DH-C2100-N-QRC	DH-2N40-J	DH-2N40-JC	DH-2N40-JW	DH-2N40-JWC
Regulation	StVZO	-	-	-	-	-
	TPGBi	-	-	-	-	-
	JIS	-	X	X	X	X
	Others	VIA	-	-	-	-
Color	1 Hub shell	Silver	Silver	Silver	Silver	Silver
	1 Quick release	Silver	-	-	-	-
	2 Hub shell	Black	Black	Black	Black	Black
	2 Quick release	Silver	-	-	-	-
Brake type		Regular	Regular	Regular	Regular	Regular
CENTER LOCK mount type		-	-	-	-	-
Voltage (V)		6	6	6	6	6
Output (W)		0.9	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	-	X
	16-20 inch	-	-	-	-	-
	Compatible wheel size (mm)	-	-	-	-	-
Axle fixing method		Quick release	Nut	Nut	Nut	Nut
Quick release type		X	-	-	-	-
Nut type		-	X	X	X	X
E-THRU type		-	-	-	-	-
Quick release skewer length (mm)	129	X	-	-	-	-
	133	X	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-
	100 x 15	-	-	-	-	-
O.L.D. (mm)		100	93	93	100	100
Flange distance (mm)		58	60	60	60	60
Offset (mm)		0.5	0	0	3	3
P.C.D. left / right (mm)		60	69	69	69	69
Axle length (mm)		108	150/155	150	140	140
Spoke size		#13/#14	#13/#14	#14	#14	#14
Spoke hole	24H	-	-	-	-	-
	28H	-	-	X	-	-
	32H	X	-	-	-	-
	36H	X	X	-	X	X
Seal		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	-	X	X	X	X
	E2 type	-	-	-	-	-
	Others	X (J2-A)	-	-	-	-
Average weight (g)		474	630	630	630	630
Note		* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market

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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	Silver/Black/Black	CP/Silver/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	-	-	-	-	-
Compatible seat stay diameter (mm)	Seat stay	-	-	-	-	-
	13	-	-	-	-	-
	16	-	-	-	-	-
	19	-	-	-	-	-
Compatible handle bar diameter (mm)	22.2	-	-	-	-	-
	25.4	-	-	-	-	-
	31.8	-	-	-	-	-
	Auto	-	-	-	-	-
Switch	Manual (on)	-	-	-	-	-
	Manual (off)	-	-	-	-	-
	Permanent	X	X	X	X	X
	Black	-	-	-	-	X
Electric wire color	Gray	X	X	X	X	-
	Tab-on type	-	-	-	-	-
Electric wire length (mm)	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

Light

Series		SHIMANO	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		LP-C2250-H	LP-C2111-S	LP-X101	LP-X101-H	LP-NX60-R
Auto light		-	-	X	X	-
Type of light	Front	X	X	X	X	-
	Tail (rear)	-	-	-	-	X
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	J2-A	X	X	X
Color	1	Silver/Black	CP	Silver (painted)	Silver (painted)	Silver (painted)
	2	-	Silver (painted)	White (painted)	White (painted)	White (painted)
	3	-	White	Black	Black	Black (painted)
	4	-	Black	Gray	Gray	-
	5	-	Gray	-	-	-
	6	-	-	-	-	-
Attachment position	Light stay	-	X	X	X	-
	Below basket	-	-	-	-	-
	Fork center	-	-	-	-	-
	Handle bar	X	-	-	-	-
	On mud guard	-	-	-	-	X *
	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	-	-	-	-
Switch	31.8	X	-	-	-	-
	Auto	-	-	X	X	-
	Manual (on)	-	-	X	X	-
	Manual (off)	-	-	-	-	-
Electric wire color	Permanent	X	X	-	-	X
	Black	X	-	X	X	X
	Gray	-	X	-	-	X
Electric wire length (mm)	Tab-on type	-	-	400	410	-
	Connector type	800	405	120	160	Available
EZ cable clamp		X	-	-	-	-
Cord length adjuster		-	-	-	-	-
Compatible wheel size		-	-	-	-	24-27 inch
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)

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PM
DH
LP
SMAX
EW
EWC
GM
WU
JC
BT
BM
SMBT
SMBC
BCC
EWEC
SMPCE
SMCB
SMCC
EWEX
EWPS
PD

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	-	-	-	-	-	-
Lever position adjustment	157 x 12	-	-	-	-	X	-
	Tool-less type	-	-	-	-	-	-
Axle	Hexagon wrench type	X	X	X	X	X	X
	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	-	-	-
Lever position adjustment	157 x 12	-	X	-	-	-	-
	Tool-less type	-	-	-	X	X	X
Axle	Hexagon wrench type	X	X	X	-	-	-
	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	-	-	-
Lever position adjustment	157 x 12	-	-	-
	Tool-less type	X	X	X
Axle	Hexagon wrench type	-	-	-
	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				

Electric Wire

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-SD300	EW-SD300-I	EW-SD50	EW-SD50-I
Type	For external routing	For internal routing	For external routing	For internal routing
Compatible system	E-TUBE	E-TUBE	E-TUBE	E-TUBE
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	Black
	2 White	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
	Di2 Battery level
	Adjust mode display
	Suspension mode
	Shift mode
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			

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Junction-B

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-AD305	EW-JC302	EW-JC304	EW-JC200	EW-JC130-SS	EW-JC130-SM
Type	Conversion adaptor	2 ports junction	4 ports junction	2 ports junction	Y-split routing-SS	Y-split routing-SM
Master unit	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-	-	-	-
SD50 port (pcs)	1	0	0	2	0	0
SD300 port (pcs)	1	2	4	0	0	0
SD50 connector (pcs)	0	0	0	0	3	3
SD300 connector (pcs)	0	0	0	0	0	0
Average weight (g)	-	-	-	-	-	-
Note					Cable length 250 mm 350 mm 50 mm	Cable length 450 mm 350 mm 50 mm

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-JC130-MM	SM-JC41	SM-JC40
Type	Y-split routing-MM	Built-in type	External type
Master unit	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-
SD50 port (pcs)	0	4	4
SD300 port (pcs)	0	0	0
SD50 connector (pcs)	3	0	0
SD300 connector (pcs)	0	0	0
Average weight (g)	-	4.1	8.6
Note	Cable length 550 mm 550 mm 50 mm		

Battery

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	BT-DN300	BT-DN320	BT-DN110-A	BT-DN110
Type	Internal battery	On-board battery	Internal battery	Internal battery
Chemistry	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Rated voltage (V)	7.4	7.6	7.4	7.4
Rated capacity (Ah)	0.5	0.305	0.5	0.5
Rated capacity (Wh)	3.7	2.32	3.7	3.7
Compatible charger	RD-R9250, RD-R8150, RD-R7150, RD-RX825	EC-DN100	SM-BCR2	SM-BCR2
Master unit	X	-	X	X
Firmware update by E-TUBE PROJECT	X	-	X	X
SD50 port (pcs)	0	0	1	1
SD300 port (pcs)	3	0	0	0
SD50 connector (pcs)	0	0	0	0
SD300 connector (pcs)	0	0	0	0
Average weight (g)	52		50	50
Note				

Battery Mount

Series	SHIMANO	SHIMANO
Model no.	BM-DN100-S	BM-DN100-L
Specification	Short size battery mount	Long size battery mount
Wire routing	External/Internal	External
Master unit	X	X
Firmware update by E-TUBE PROJECT	X	X
SD50 port (pcs)	1	1
SD300 port (pcs)	0	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Note	-	-

Battery Case

Series	SHIMANO
Model no.	SM-BTC1
Specification	w/ Junction X *
	w/o Junction X
Mount	
	Screw 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.	EC-DN100	SM-BCR2
Compatible battery	BT-DN320	BT-DN110 BT-DN110-A
Charging cord	included	Including SM-BCR2
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	UK	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-B: 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		

CAN Adapter

Series	SHIMANO	SHIMANO
Model no.	EW-EX310	EW-EX010
Type	CAN Adapter for Di2 (for general E-BIKE system)	CAN adapter for Di2 (for BOSCH ebike system)
Master unit	X	X
SD50 port (pcs)	0	2
SD300 port (pcs)	2	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Compatible electric wire	EW-SD300	EW-SD50
Note		Di2 adapter B (for BOSCH ebike system)

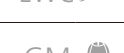
Electric Cable for Non SHIMANO E-BIKE SYSTEMS

Series	SHIMANO
Model no.	EW-PS300
Type	E-BIKE
Compatible system	BOSCH Smart System
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	1 **
Cord diameter	-
Plug diameter	-
Note	* Cable length:1000mm, 1600mm ** Different shaped connector based on SD300 connector

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ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL



Pedal (SPD)

Series		XTR	XTR	XTR	XTR	DEORE XT	GRX	DEORE XT
Model no.		PD-M9200	PD-M9220	PD-M9100	PD-M9120	PD-M8100	PD-M8100-UG	PD-M8120
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
Type		SPD	SPD	SPD	SPD	SPD	SPD	SPD
Binding		Dual Sided	Dual Sided	Dual sided	Dual sided	Dual sided	Dual sided	Dual sided
Cartridge axle		X	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	-	-	X
Offset binding		X	-	X	-	-	-	-
Oval shape axle body housing		-	-	-	-	-	-	-
Cleat included	SM-SH51	X	-	X	X	X	X	X
	SM-SH56	-	-	-	-	-	-	-
	CL-MT001	-	X	-	-	-	-	-
Optional cleat	SM-SH51	-	X	-	-	-	-	-
	SM-SH56	X	X	X	X	X	X	X
	CL-MT001	-	-	-	-	-	-	-
Reflector		SM-PD60 SM-PD22 (3 mm shorter axle type)	SM-PD60	SM-PD60 SM-PD22 (3 mm shorter axle type)	SM-PD60	SM-PD60	SM-PD60	SM-PD60
Stack height (mm)		15.1	18.2	15.1	15.4	16.5	16.5	16.2
Pedal center (mm)		52/55	55	55	55	55	55	55
Average weight (g)		316 (/pair) (Short axle type) 318 (/pair) (Normal axle type)		310 (/pair) (Short axle type) 314 (/pair) (Normal axle type)	398 (/pair)	342 (/pair)	342 (/pair)	438 (/pair)
Note		3 mm shorter axle available 1.0 mm cleat spacer included	1.0 mm cleat spacer included 4 pins per side	3 mm shorter axle available 1.0 mm cleat spacer included	1.0 mm cleat spacer included	1.0 mm cleat spacer included	United in Gravel limited edition, 1.0 mm cleat spacer included	1.0 mm cleat spacer included

Series		SHIMANO	SHIMANO	SHIMANO	SAINT	DXR	SHIMANO	SHIMANO
Model no.		PD-M540	PD-M520	PD-M505	PD-M821	PD-MX70	PD-M647	PD-M324
Color	1	Silver	Silver	Silver	Black	Black	Black	Silver
	2	Black	Black	Black	-	-	-	-
	3	-	White	-	-	-	-	-
Type		SPD	SPD	SPD	SPD	SPD	SPD	SPD/FlatPedal
Binding		Dual sided	Dual sided	Dual sided	Dual sided	Dual sided	Dual sided	Single sided
Cartridge axle		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	-	-
Offset binding		-	-	-	-	-	-	-
Oval shape axle body housing		-	-	-	-	-	-	-
Cleat included	SM-SH51	X	X	X	X	X	X	-
	SM-SH56	-	-	-	-	-	-	X
	CL-MT001	-	-	-	-	-	-	-
Optional cleat	SM-SH51	-	-	-	-	-	-	X
	SM-SH56	X	X	X	X	X	X	-
	CL-MT001	-	-	-	-	-	-	-
Reflector		SM-PD22	SM-PD22	SM-PD22	SM-PD60	SM-PD60	SM-PD60	Y41B98010
Stack height (mm)		17.0	17.0	18.3	16.9	16.7	-	18
Pedal center (mm)		55	55	55	55	55	-	55
Average weight (g)		352 (/pair)	380 (/pair)	443 (/pair)	546 (/pair) (w/o pins & washers)	414 (/pair)	568 (/pair)	533 (/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		

Series		SHIMANO	DEORE XT	SHIMANO	SHIMANO	SHIMANO
Model no.		PD-ME700	PD-T8000	PD-E5600	PD-EH500	PD-ED500
Color	1	Black	Black	Dark gray	Dark gray	Dark gray
	2	-	-	-	-	-
	3	-	-	-	-	-
Type		SPD	SPD/FlatPedal	SPD	SPD/FlatPedal	SPD
Binding		Dual sided	Single sided	Single sided	Single sided	Dual sided
Cartridge axle		X	X	X	X	X
Sealed mechanism		X	X	X	X	X
Cleat retention adjuster		X	X	X	X	X
Pop-up cage		-	-	-	-	-
Integrated cage		X	-	-	-	X
Offset binding		-	-	-	-	-
Oval shape axle body housing		-	-	-	-	-
Cleat included	SM-SH51	X	-	X	-	-
	SM-SH56	-	X	-	X	X
	CL-MT001	-	-	-	-	-
Optional cleat	SM-SH51	-	X	-	X	X
	SM-SH56	X	-	X	-	-
	CL-MT001	-	-	-	-	-
Reflector		SM-PD60	Integrated	SM-PD62	SM-PD68	SM-PD60
Stack height (mm)		16.7	17.0	17.2	17.4	17.5
Pedal center (mm)		55	55	55	55	55
Average weight (g)		540 (/pair)	392 (/pair)	279 (/pair)	383 (/pair)	442 (/pair)
Note		1.0 mm cleat spacer included		1.0 mm cleat spacer included	Light action	Light action

Pedal (CLICK'R)

Series		SHIMANO
Model no.		PD-T421
Color	1	Black
	2	-
	3	-
Type		SPD
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-SH51	-
	SM-SH56	X
	CL-MT001	-
Optional cleat	SM-SH51	X
	SM-SH56	-
	CL-MT001	-
Reflector		Integrated
Stack height (mm)		19.0
Pedal center (mm)		55
Average weight (g)		418 (/pair)
Note		

Pedal (Flat Pedal)

Series		SAINT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		PD-M828	PD-M8140	PD-GR500	PD-GR400	PD-EF202	PD-EF205	PD-EF102
Color	1	Black	Black	Black	Black	Black	Black	Black
	2	-	-	Silver	Blue	Silver	Silver	-
	3	-	-	-	Red	Red	Red	-
	4	-	-	-	Orange	Blue	Blue	-
	5	-	-	-	Purple	Gold	Gold	-
	6	-	-	-	Green	-	-	-
Type		Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal
Cartridge axle		X	X	X	-	-	-	-
Sealed mechanism		X	X	X	X	X	X	X
Cleat retention adjuster		-	-	-	-	-	-	-
Pop-up cage		-	-	-	-	-	-	-
Integrated cage		-	-	-	-	-	-	-
Offset binding		-	-	-	-	-	-	-
Oval shape axle body housing		-	-	-	-	-	-	-
Reflector		SM-PD64A	SM-PD67	SM-PD64A	SM-PD70	SM-PD69	SM-PD69	Integrated
Wide platform		-	-	-	-	-	-	-
Stack height (mm)		8.2	9.1	9.4	8	10.8	10.8	9
Average weight (g)		553 (/pair)	461 (/pair) (SM) 505 (/pair) (ML)	533 (/pair)	400 (/pair)	512 (/pair)	612 (/pair)	310 (/pair)
Note		12 pins per platform	10 pins per platform 2 platform size available (SM/ML)	9 pins per platform	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-RS500
Color	1	Black	Black	Black	Black	Black
	2	-	-	-	Gray	-
	3	-	-	-	-	-
Type		SPD-SL	SPD-SL	SPD-SL	SPD-SL	SPD-SL
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-SH11	-	X	X	X	X
	SM-SH12	X	-	-	-	-
	SM-SH10	X	X	X	X	X
Optional cleat	SM-SH11	X	-	-	-	-
	SM-SH12	-	X	X	X	X
Reflector		SM-PD63	SM-PD63	SM-PD65	SM-PD65	SM-PD65
Wide platform		X	X	X	X	-
Stack height (mm)		14.6	15.8	16.5	16.5	16.5
Pedal center (mm)		52	53	53	53	53
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 screws	4 mm longer axle available	-	Wider spring tension range	-

MTB
TREKKING
GRAVEL
ROAD
LIFESTYLE ACTIVE
LIFESTYLE COMFORT
GENERAL

CN/SMCN
RT
BH
RTAD
OT
SMCB/SMCA
PM

DH
LP
SMAX
EW
EWC
GM
WU
JC
BT

BM
SMBT
SMBC
BCC
EWEC
SMPCE
SMCB
SMCC
EWEX

EWPS
PD

Drivetrain for MTB, LIFESTYLE components

Rear drivetrain compatibility [MTB, LIFESTYLE]-----	C-433	365-371
Front drivetrain compatibility [MTB, Trekking, LIFESTYLE]-----	C-440	372-380

Drivetrain for ROAD, GRAVEL, LIFESTYLE components

Rear drivetrain compatibility-----	C-454	381-386
Front drivetrain compatibility-----	C-455	387-391

Brake system for ROAD, GRAVEL, LIFESTYLE components

Brake systems compatibility [ROAD, LIFESTYLE]-----	C-456	392
Hydraulic systems compatibility [ROAD, GRAVEL]-----	C-499	393
Hydraulic systems compatibility [URBAN, LIFESTYLE]-----	C-500	393

Cassette

LINKGLIDE cassette and FREEHUB compatibility-----	C-649	394
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Electronic product information

Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.4.2-----	C-473	395-400
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COMPATIBILITY



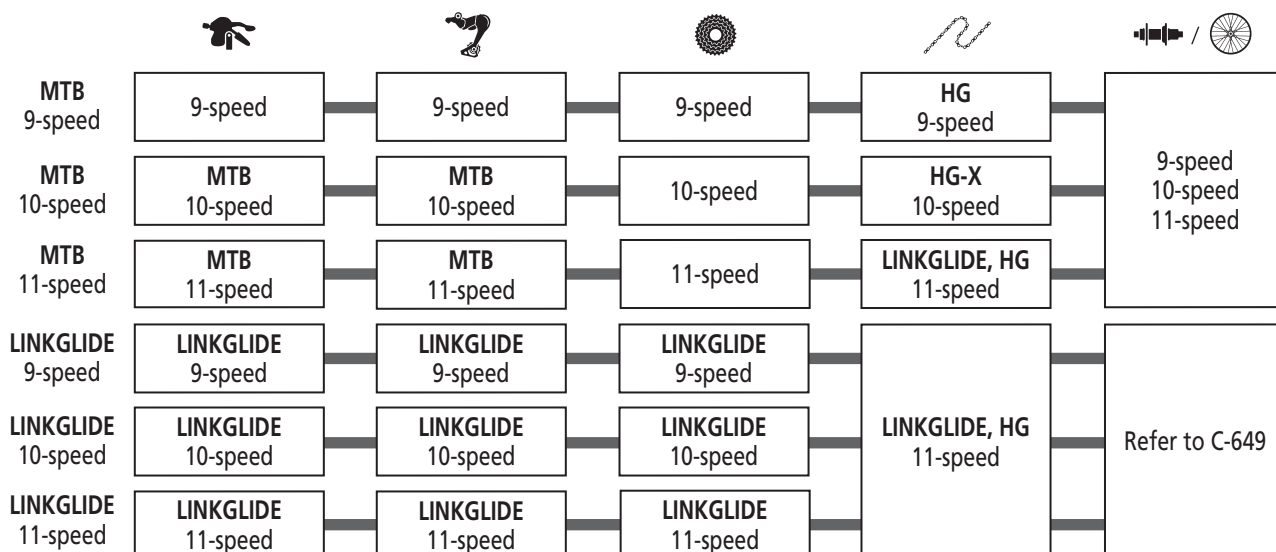
Drivetrain for MTB, LIFESTYLE components

Rear drivetrain compatibility [MTB, LIFESTYLE]

C-433

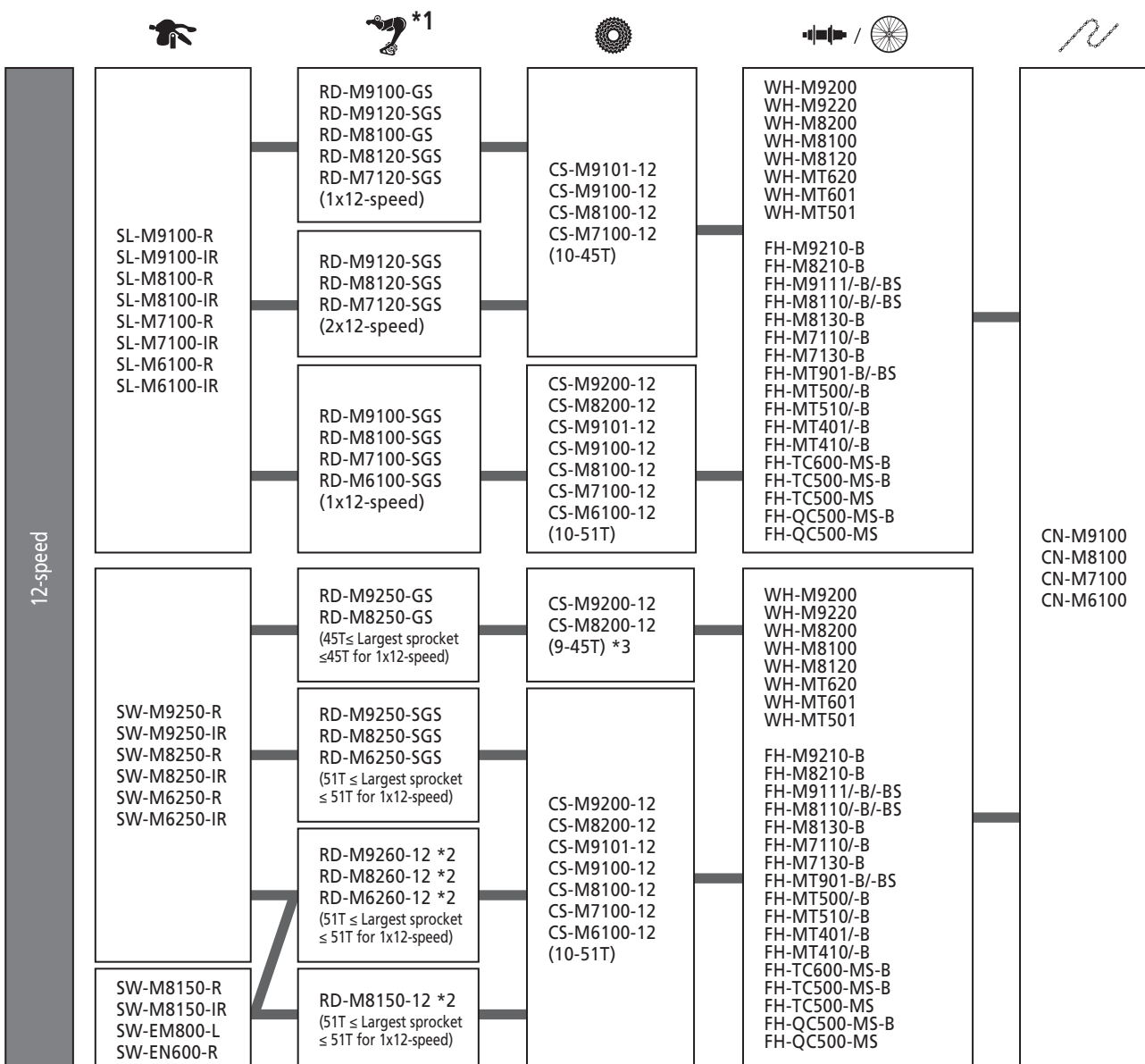
C-434

9,10,11-speed rear drivetrain compatibility



12-speed rear drivetrain (MICRO SPLINE) [MTB]

C-558



*1 Method to adjust the end adjustment screw is different from conventional rear derailleurs. For details, refer to dealer's manual.

*2 Only for E-BIKE

*3 Do not use for E-BIKE

MTB
LIFESTYLE

ROAD
GRAVEL
LIFESTYLE

BRAKE
SYSTEM

CASSETTE

ELECTRONIC
PRODUCT

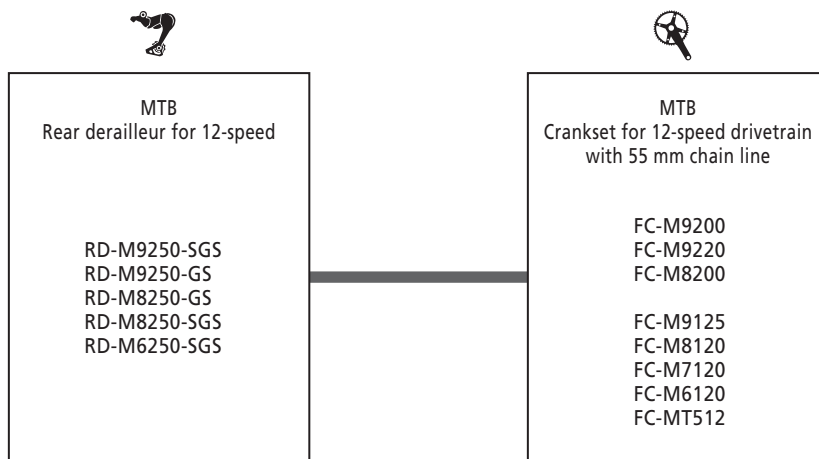
REAR

FRONT

■ Front x rear drivetrain compatibility for 12-speed [MTB]

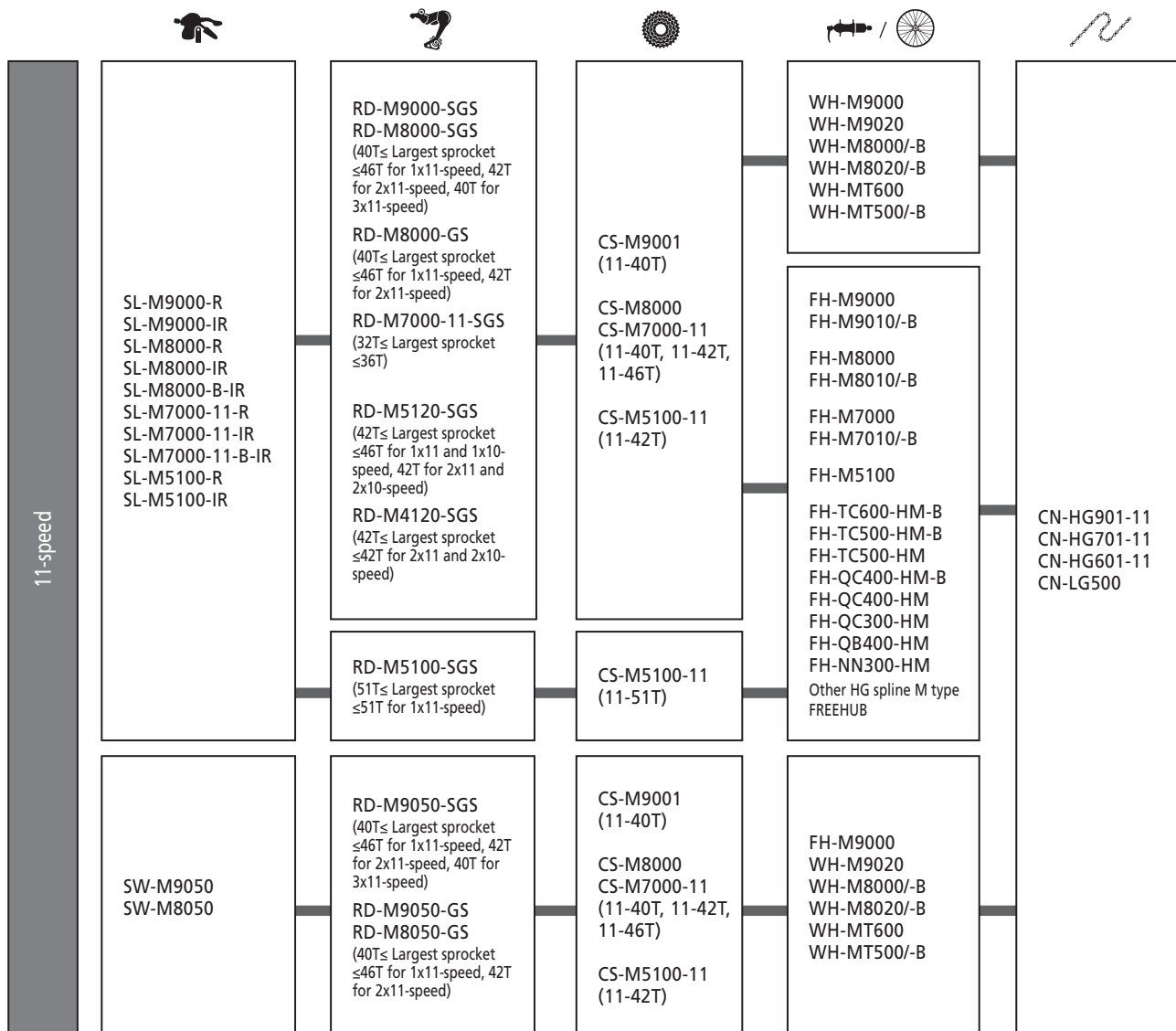
C-780

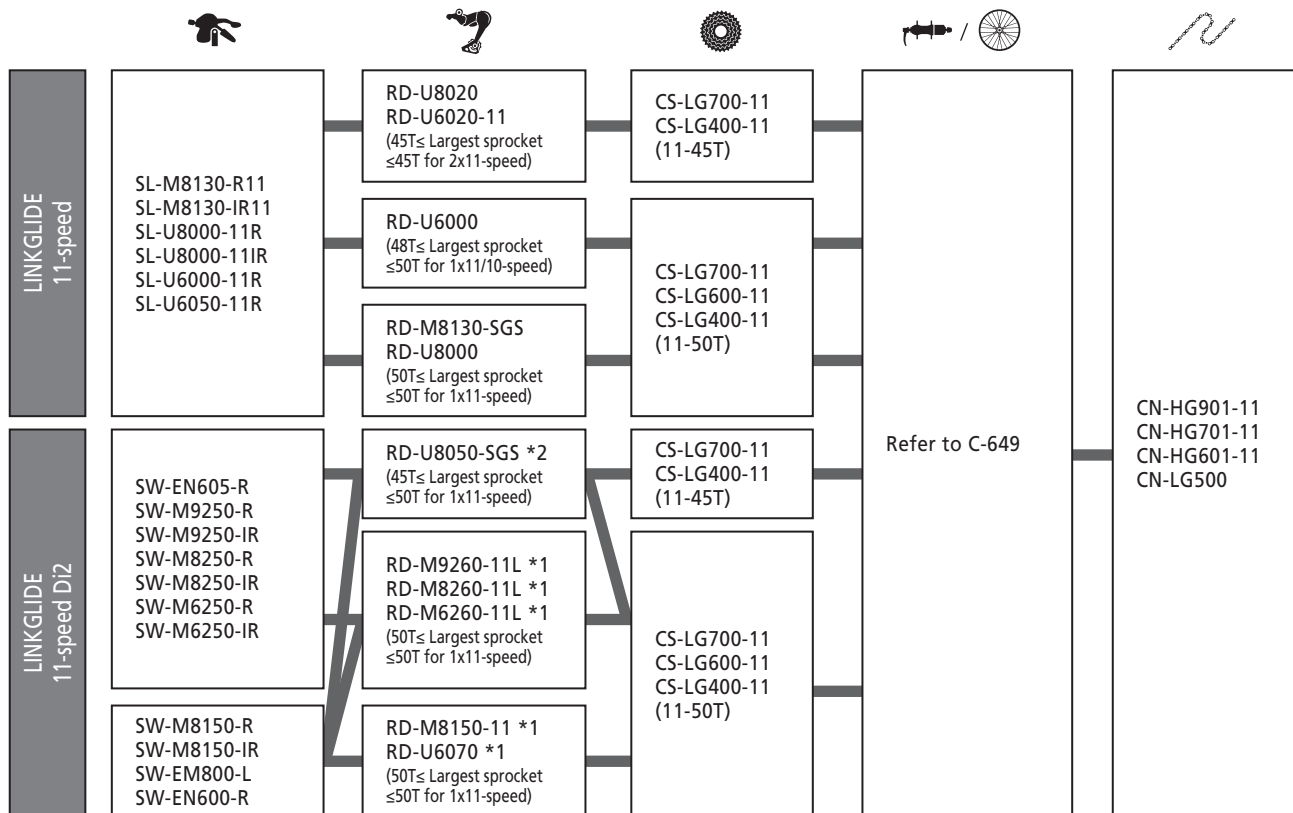
RD-M9250/RD-M8250/RD-M6250 are compatible with all cranksets for 12-speed drivetrain with 55 mm chain line.



■ 11-speed rear drivetrain [MTB, LIFESTYLE]

C-435





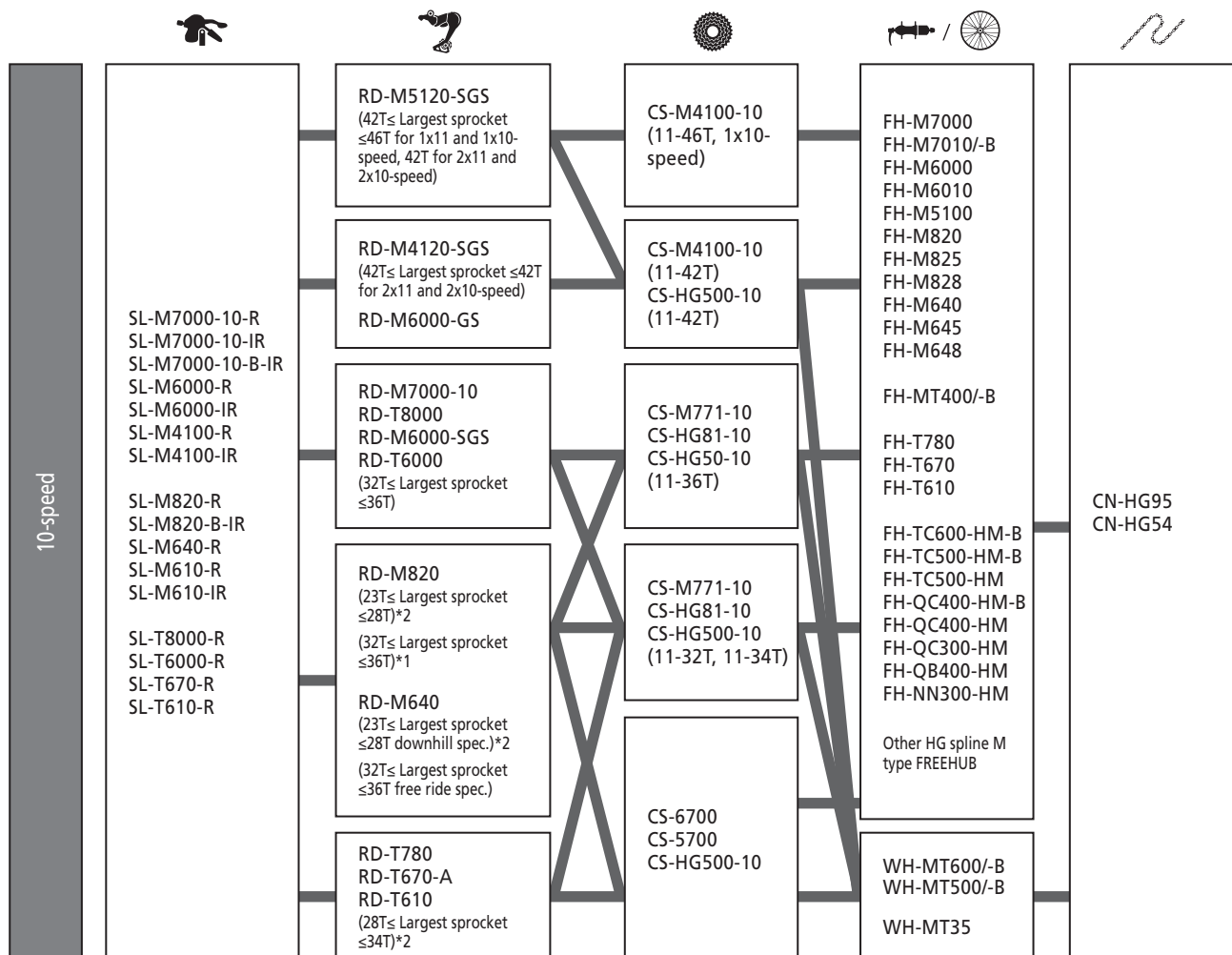
*1 Only for E-BIKE in CY25

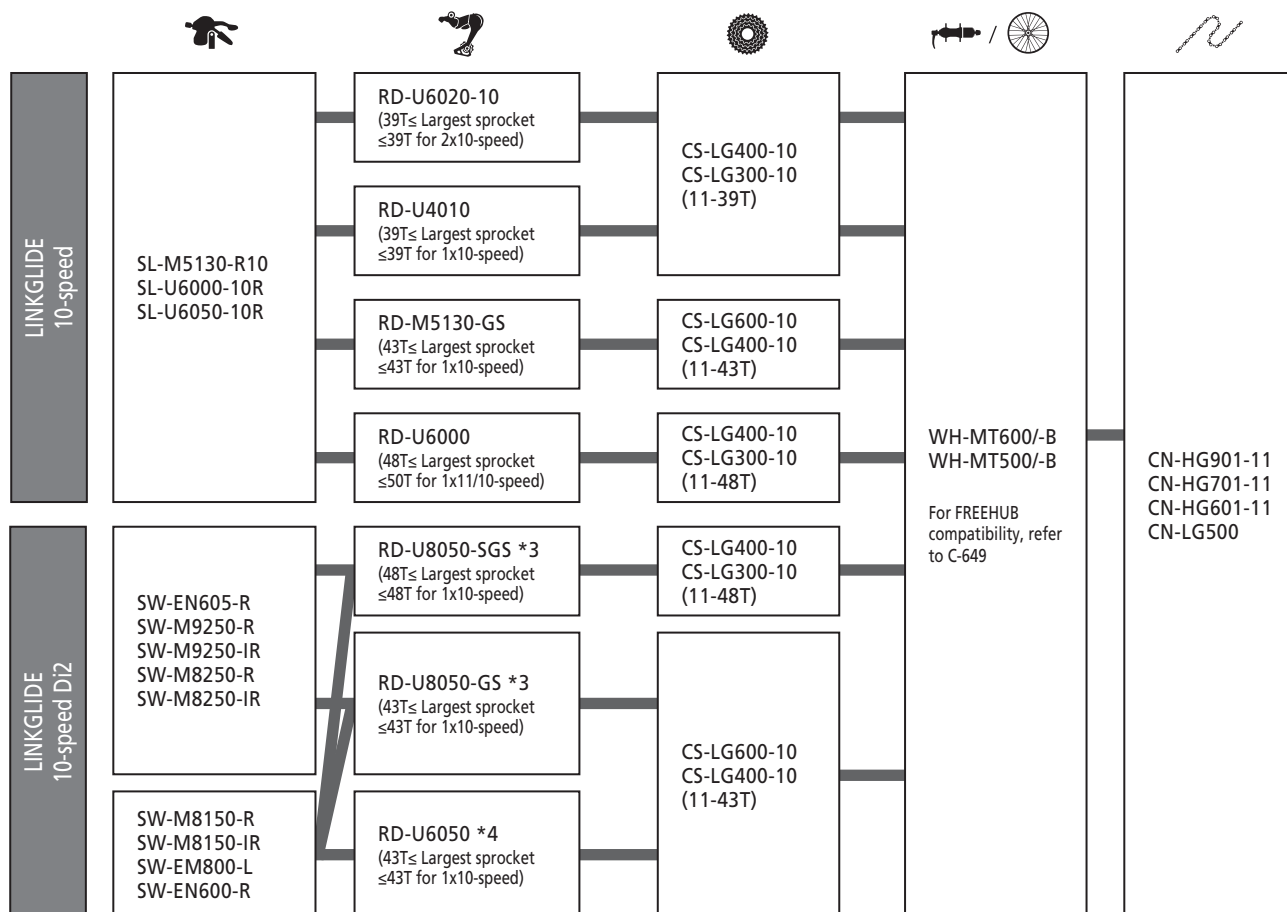
*2 Only for BOSCH smart system in CY24

For SHIMANO E-BIKE SYSTEMS as well in CY25

10-speed rear drivetrain [MTB, LIFESTYLE]

C-436





*1 Mode converter

*2 Compatible with road Cassette

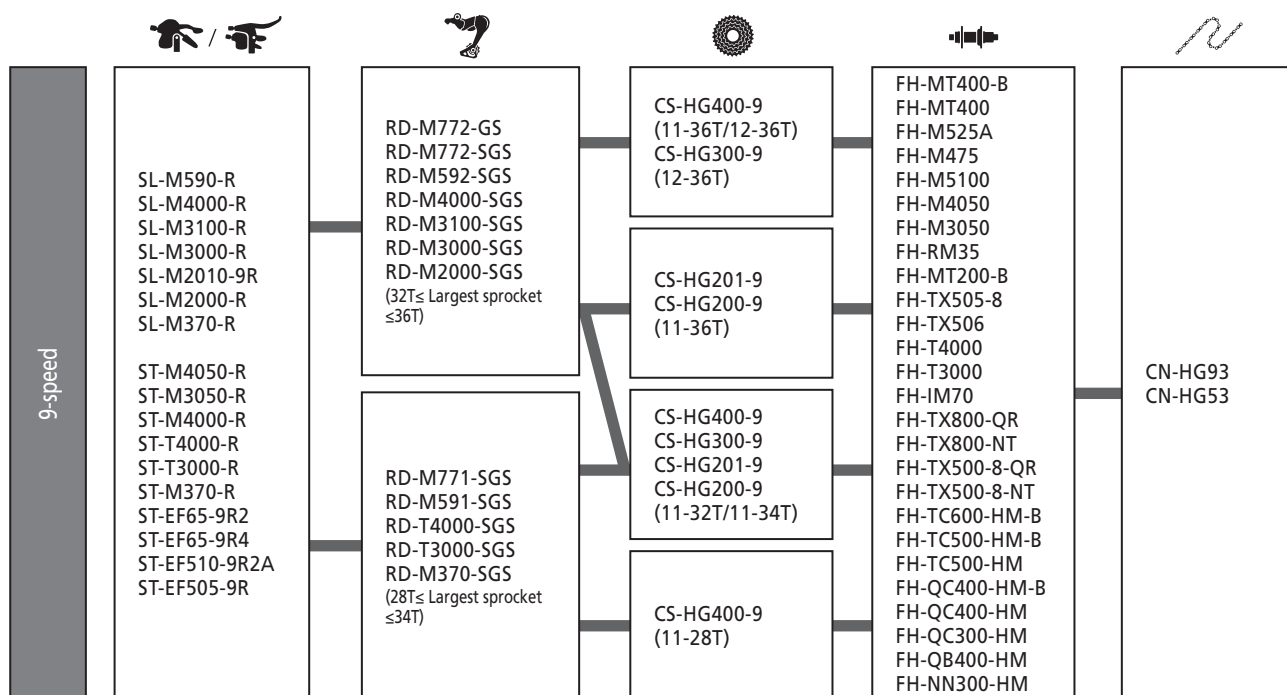
*3 Only for BOSCH smart system in CY24

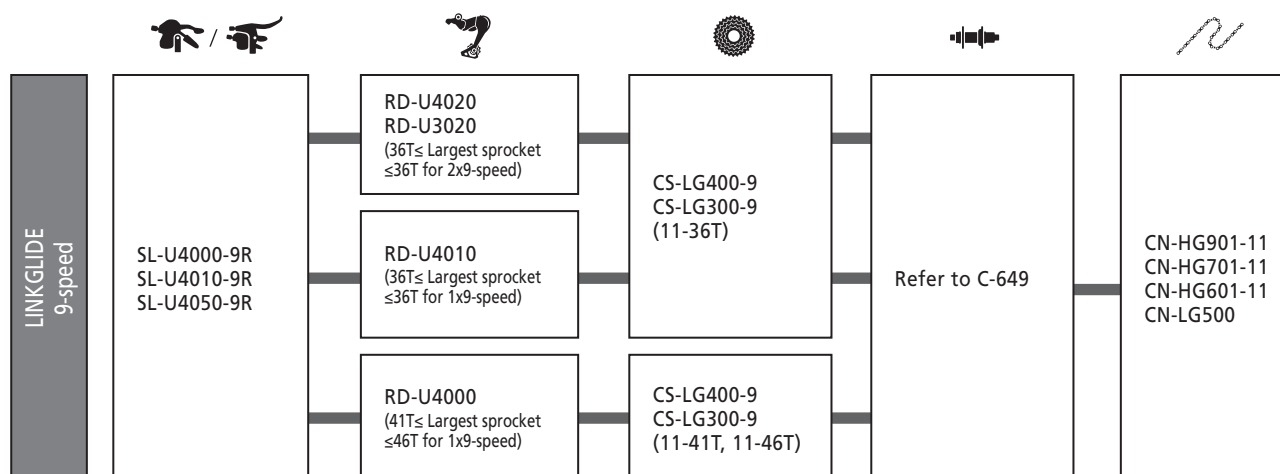
For SHIMANO E-BIKE SYSTEMS as well in CY25

*4 Only for SHIMANO E-BIKE SYSTEMS

9-speed rear drivetrain [MTB, LIFESTYLE]

C-437

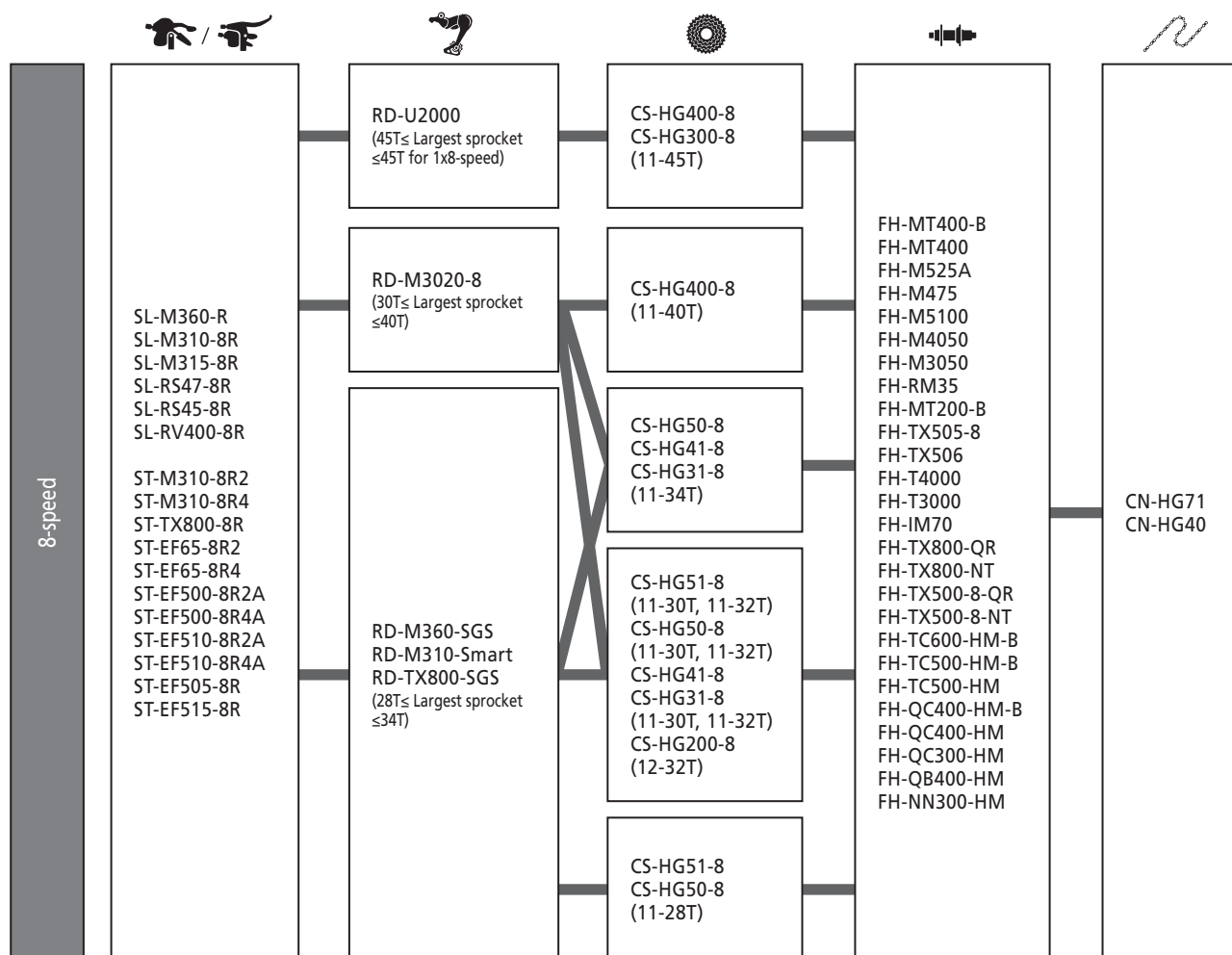




8-speed rear drivetrain [MTB]

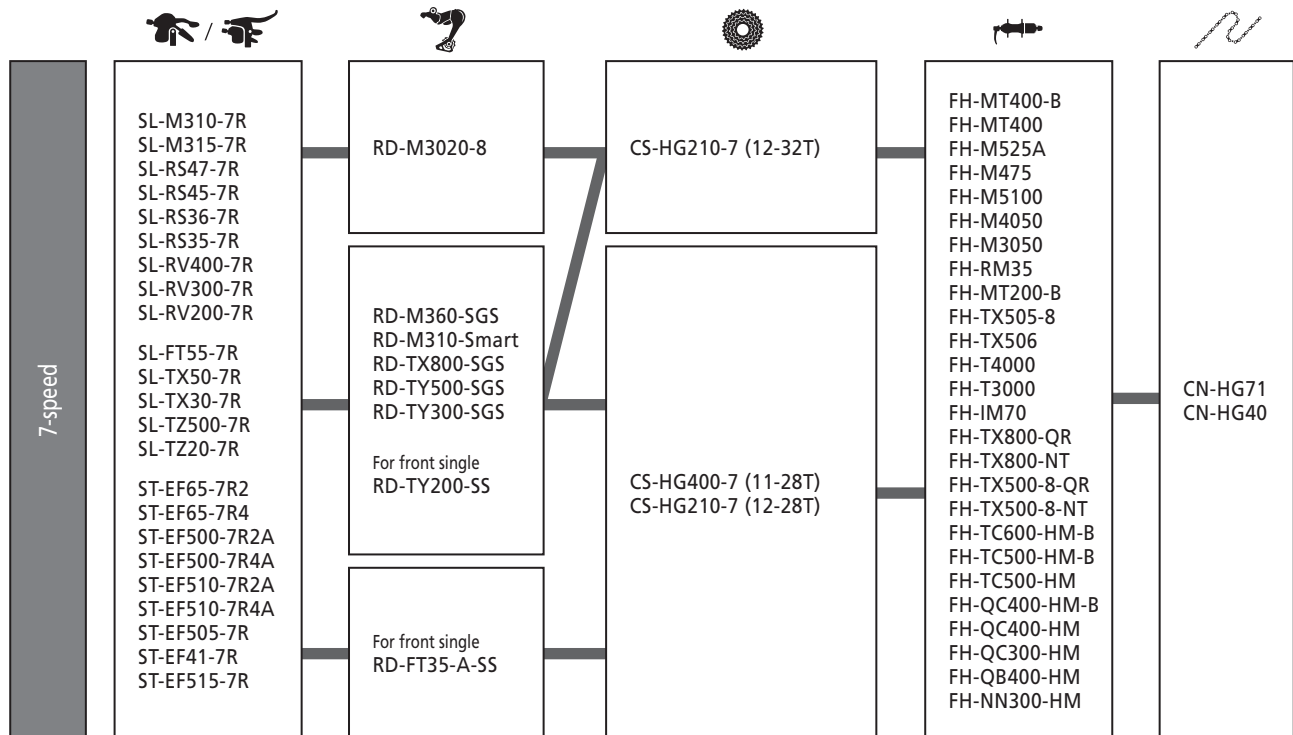
C-438

The rear derailleurs for 8-speed can also be used for 7-speed drivetrain.

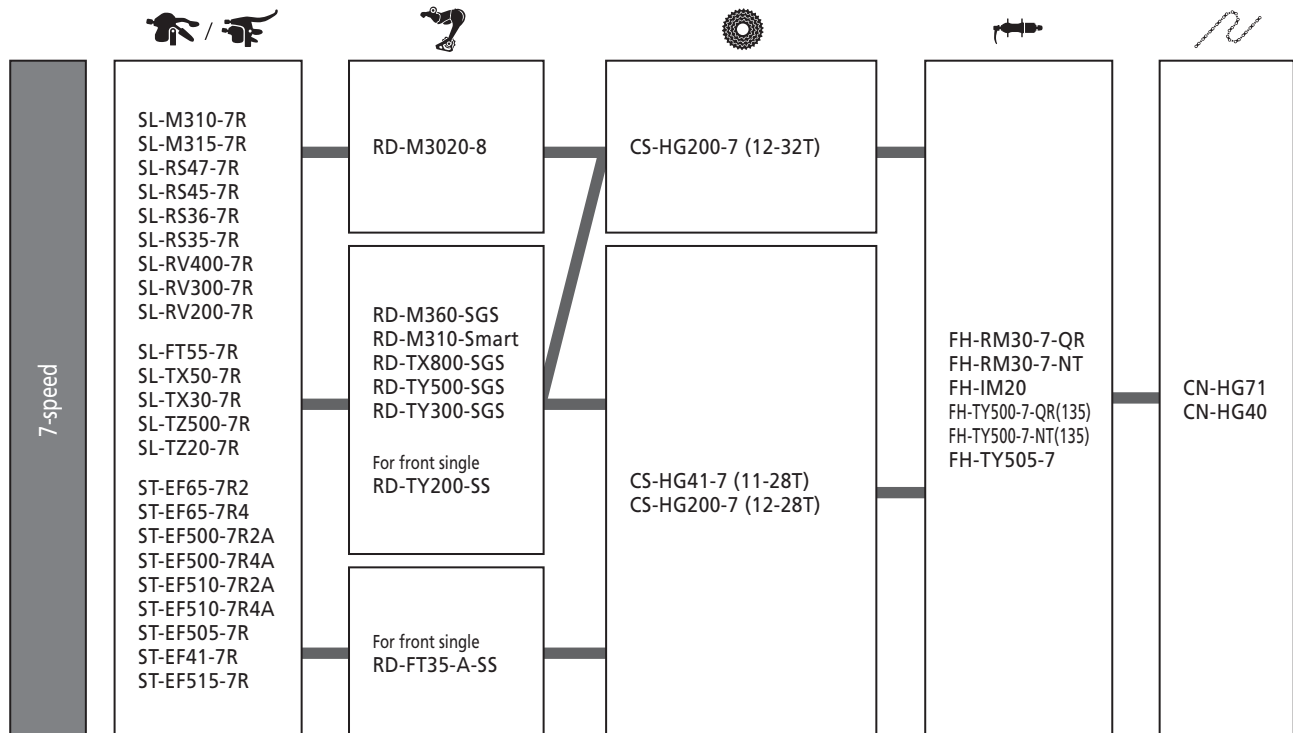


7-speed rear drivetrain [MTB]

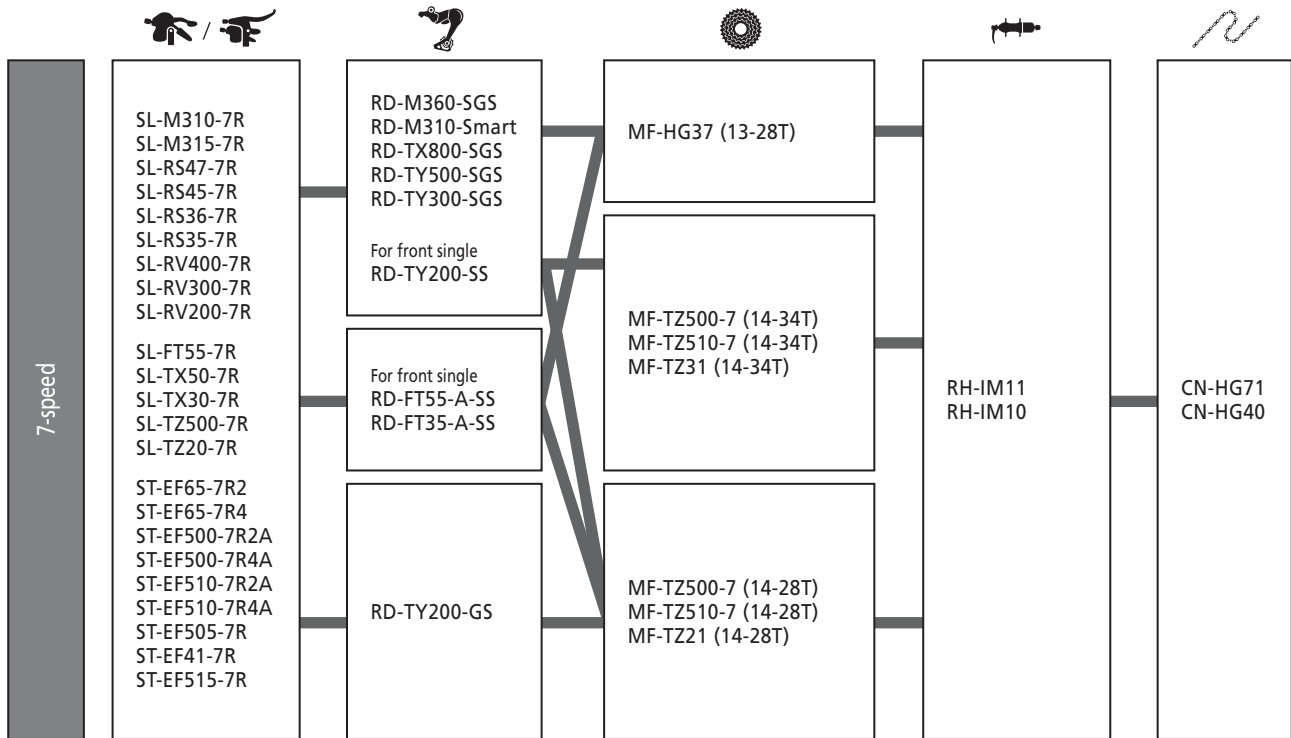
Cassette - HG spline M FREEHUB spec.



Cassette - HG spline S FREEHUB spec.

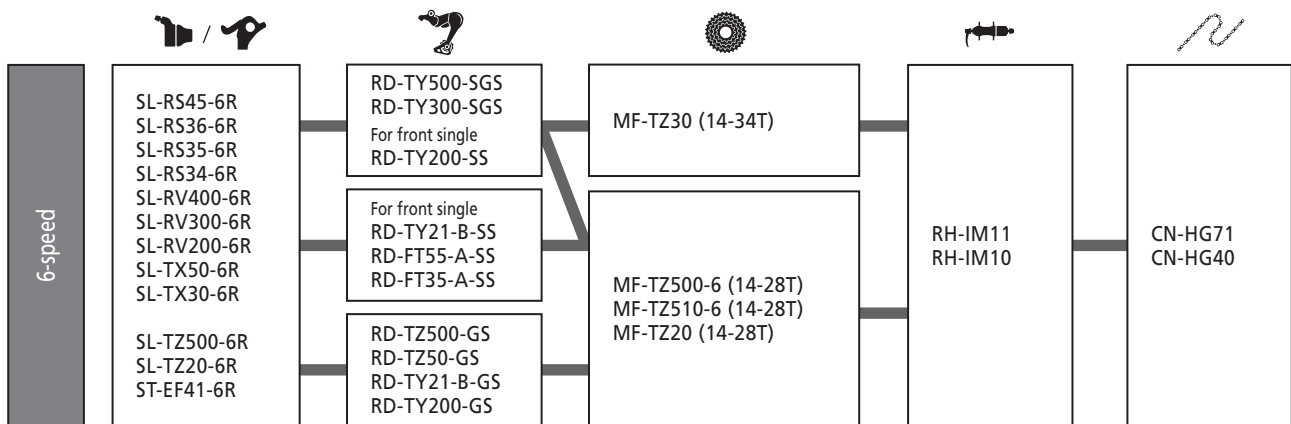


Multiple freewheel - Rear hub spec.



6-speed rear drivetrain [MTB]

C-546



Front drivetrain compatibility [MTB, Trekking, LIFESTYLE]

C-440

C-559

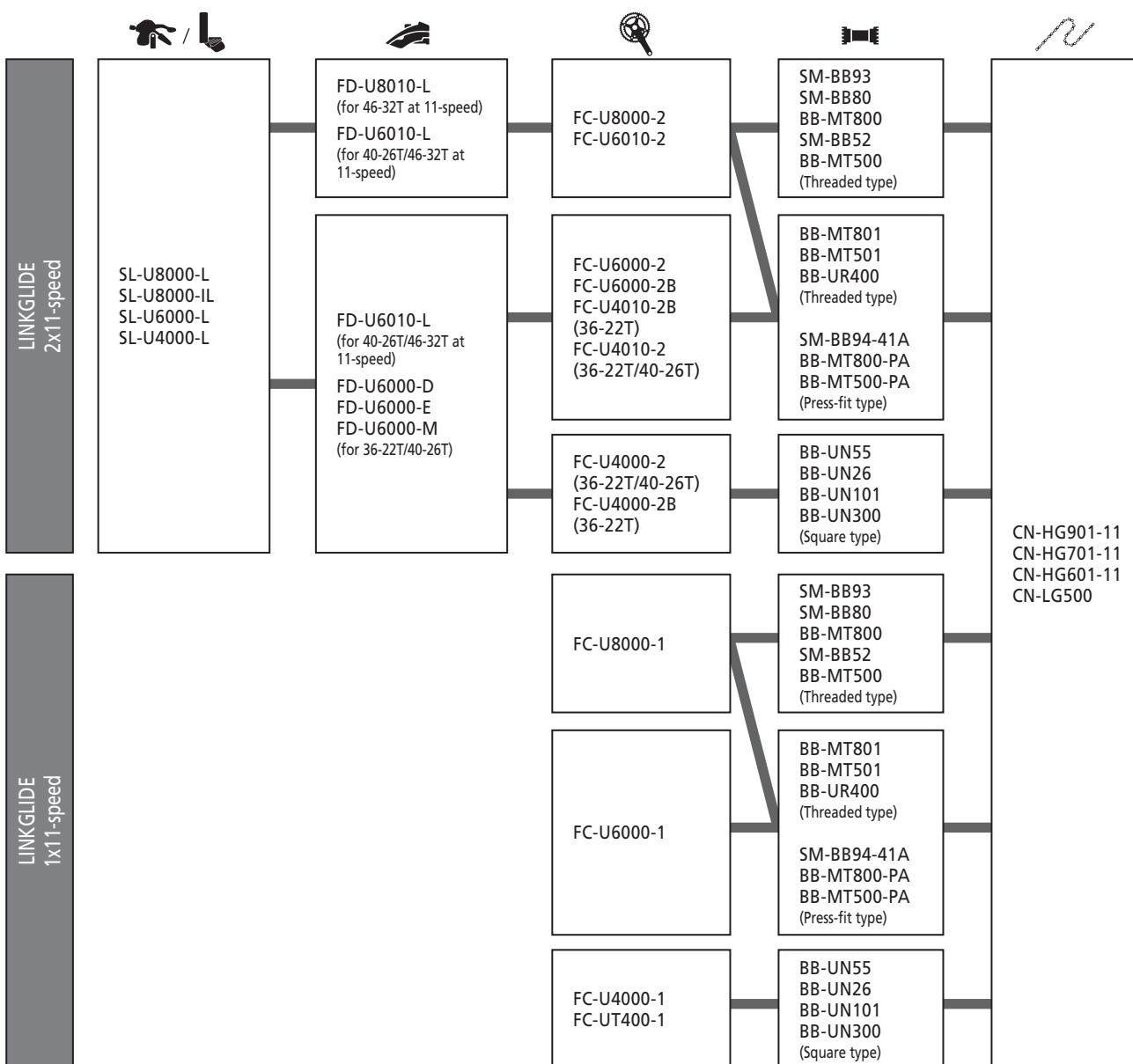
12-speed front drivetrain [MTB]

2x12-speed	SL-M9100-L SL-M9100-IL SL-M8100-L SL-M8100-IL SL-M7100-L SL-M7100-IL	FD-M9100 FD-M8100 FD-M7100	FC-M9100-2 FC-M8100-2 FC-M7100-2 FC-MT610-2 (for O.L.D. 142 mm) FC-M9120-B2 FC-M8120-B2 FC-M7120-B2 FC-MT610-B2 (for O.L.D. 148 mm)		
1x12-speed			FC-M9100-1 FC-M9120-1 FC-M8100-1 FC-M7100-1 FC-M6100-1 FC-MT900-1 FC-MT610 FC-MT510-1 FC-MT511-1 (for O.L.D. 142, 148 mm) FC-M9200 FC-M9220 FC-M9125-1 FC-M8200 FC-M8120-1 FC-M7120-1 FC-M6120-1 FC-MT512-1 (for O.L.D. 148 mm) FC-M9130-1 FC-M8130-1 FC-M7130-1 FC-M6130-1 (for O.L.D. 157 mm)	SM-BB93 SM-BB80 BB-MT801 BB-MT800 SM-BB52 BB-MT501 BB-MT500 (Threaded type) SM-BB94-41A BB-MT800-PA BB-MT500-PA (Press-fit type)	CN-M9100 CN-M8100 CN-M7100 CN-M6100

11-speed front drivetrain [MTB, LIFESTYLE]

C-441

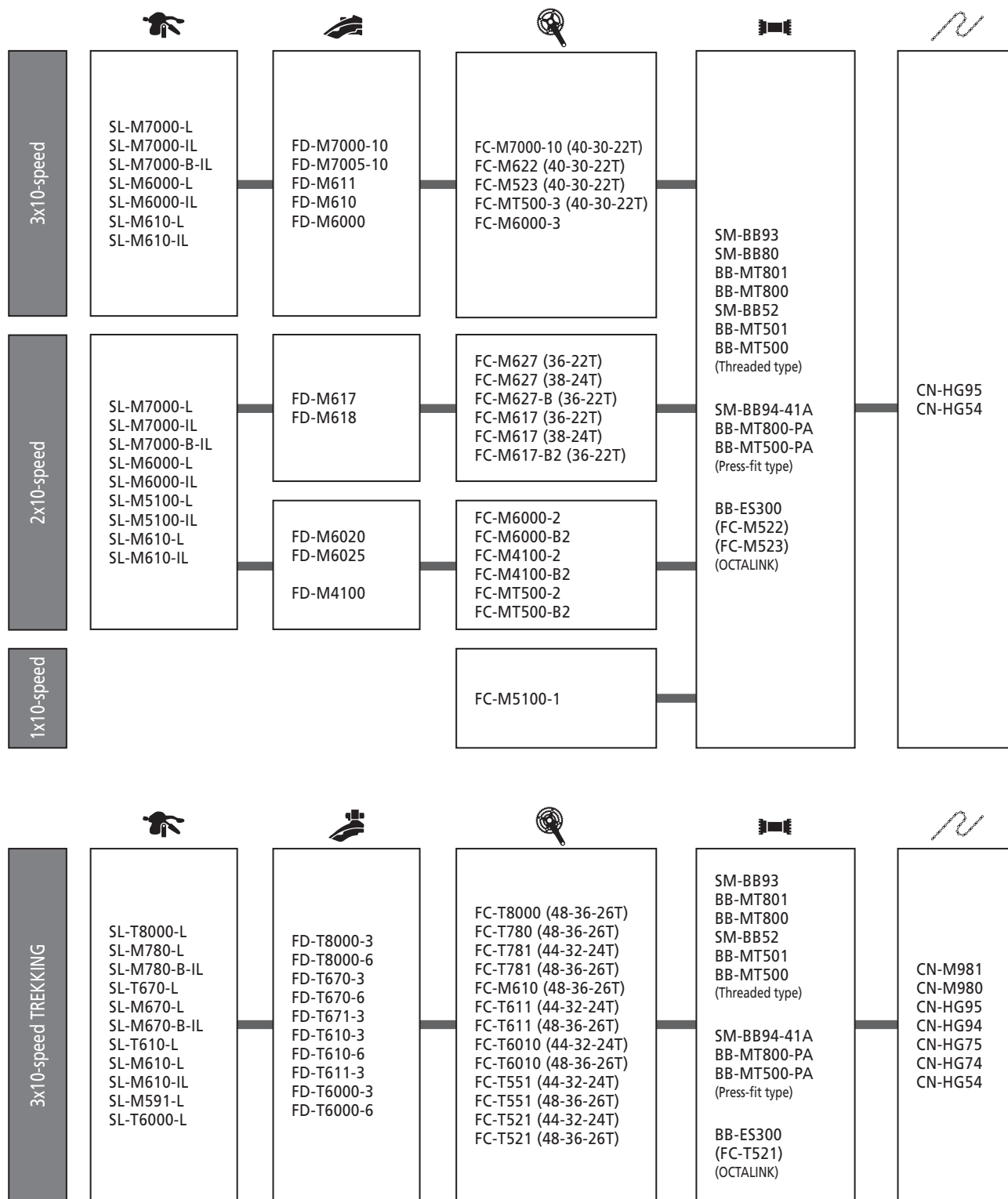
3x11-speed	SL-M9000-L SL-M9000-IL SL-M8000-L SL-M8000-IL SL-M8000-B-IL SL-M7000-L SL-M7000-IL SL-M7000-B-IL	FD-M9000 FD-M8000	FC-M9020-3 FC-M8000-3		
	SW-M9050 SW-M8050	FD-M9050			
2x11-speed	SL-M9000-L SL-M9000-IL SL-M8000-L SL-M8000-IL SL-M8000-B-IL SL-M7000-L SL-M7000-IL SL-M7000-B-IL SL-M5100-L SL-M5100-IL	FD-M9020 FD-M9025 FD-M8020 FD-M8025 FD-M7020-11 FD-M7025-11 FD-M5100	FC-M9000-2 FC-M9020-2 FC-M9020-B2* FC-M8000-2 FC-M8000-B2* FC-M7000-2 FC-M7000-B2* FC-M5100-2 FC-M5100-B2* FC-MT700-2 FC-MT700-B2* FC-MT600-2 FC-MT600-B2*	SM-BB93 SM-BB80 BB-MT801 BB-MT800 SM-BB52 BB-MT501 BB-MT500 (Threaded type) SM-BB94-41A BB-MT800-PA BB-MT500-PA (Press-fit type)	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-LG500
	SW-M9050 SW-M8050	FD-M9070 FD-M8070			
1x11-speed			FC-M9000-1 FC-M9020-1 FC-M9020-B1* FC-M8000-1 FC-M8000-B1* FC-M7000-1 FC-M7000-B1* FC-M5100-1		

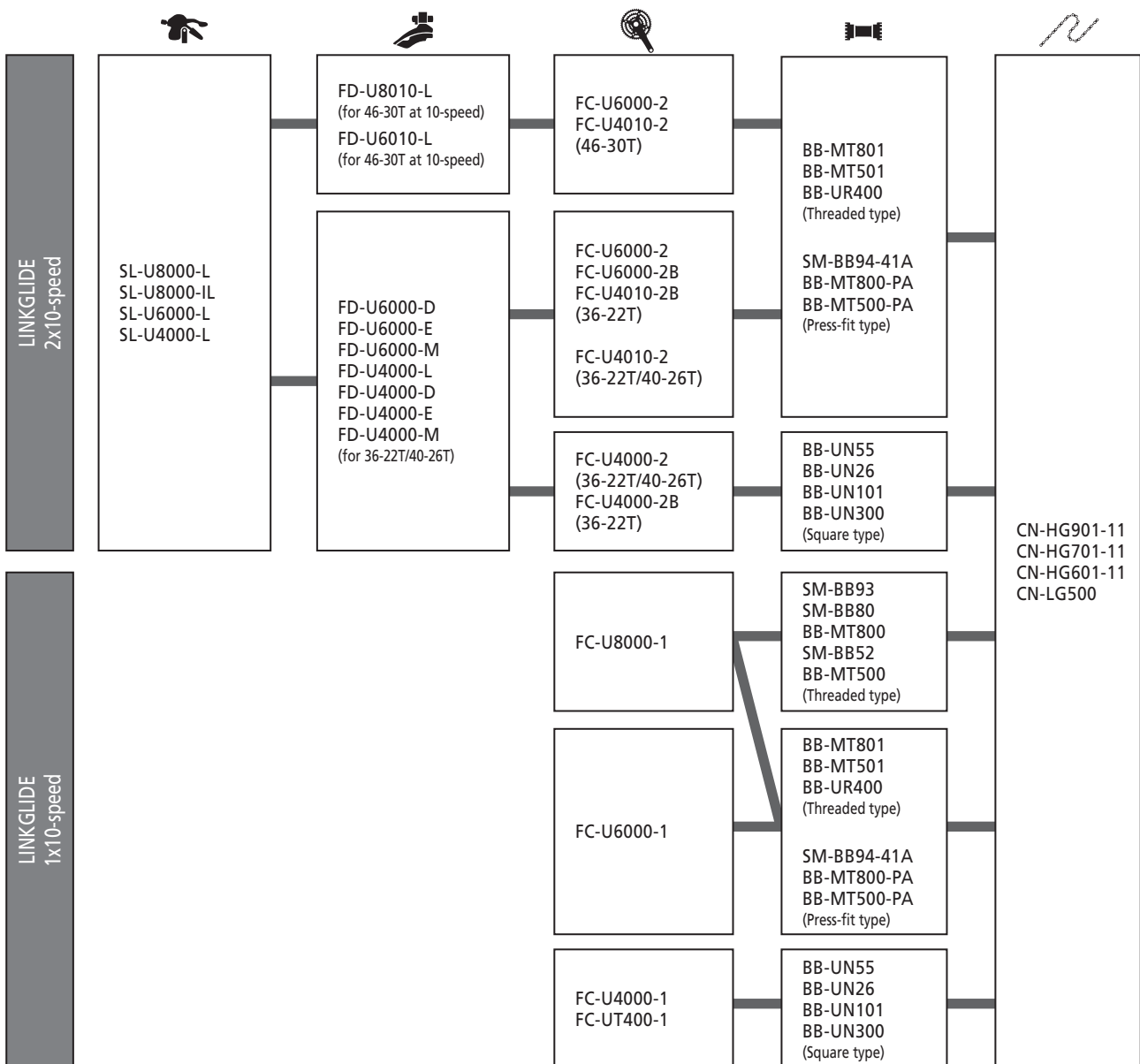


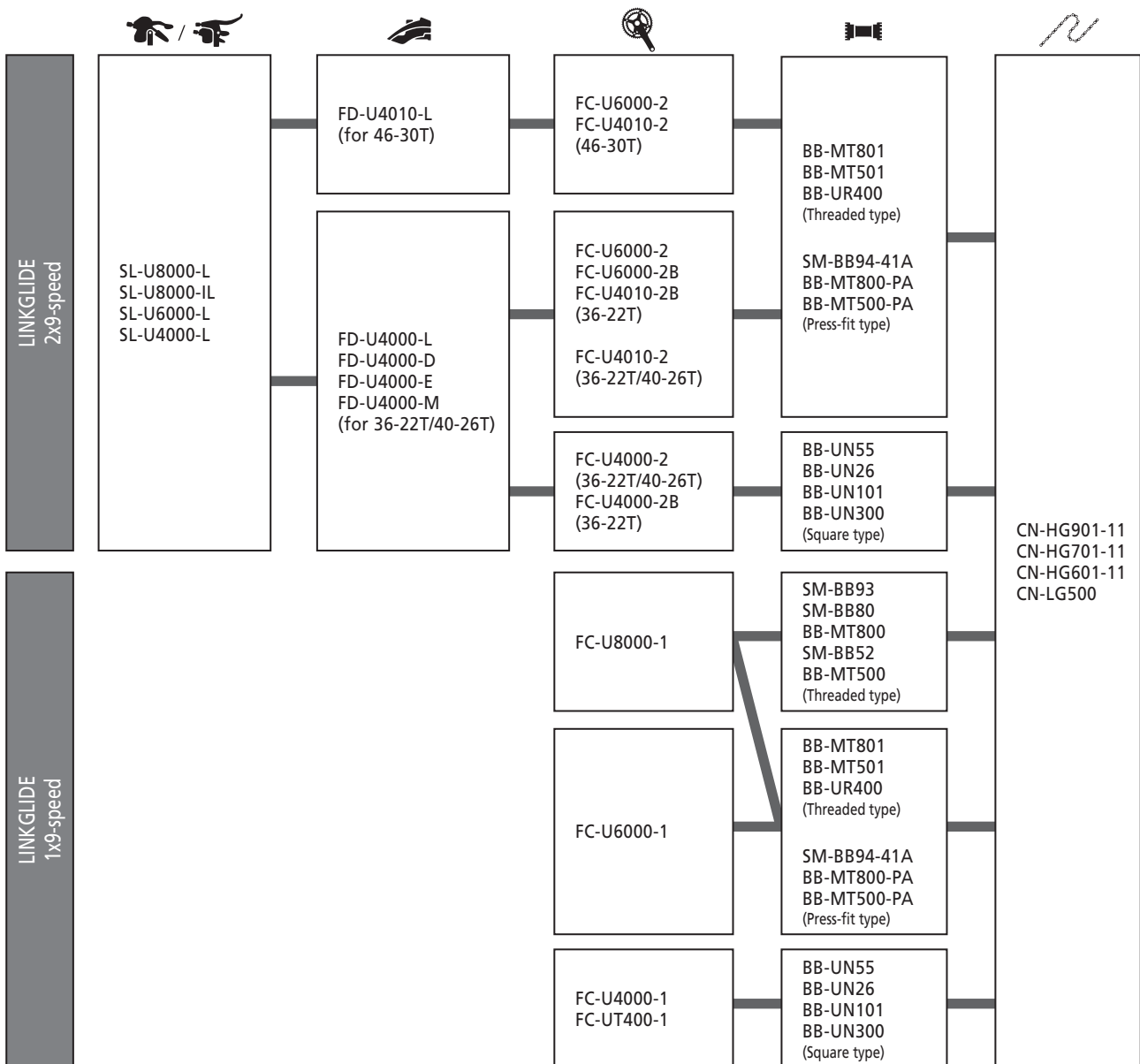
*For dimension of crankset which is chain line 3 mm outboard spec., refer to C-641, C-642.
It also requires the dimension of frame which cassette position is 3 mm outboard.

10-speed front drivetrain [MTB, Trekking, LIFESTYLE]

C-442

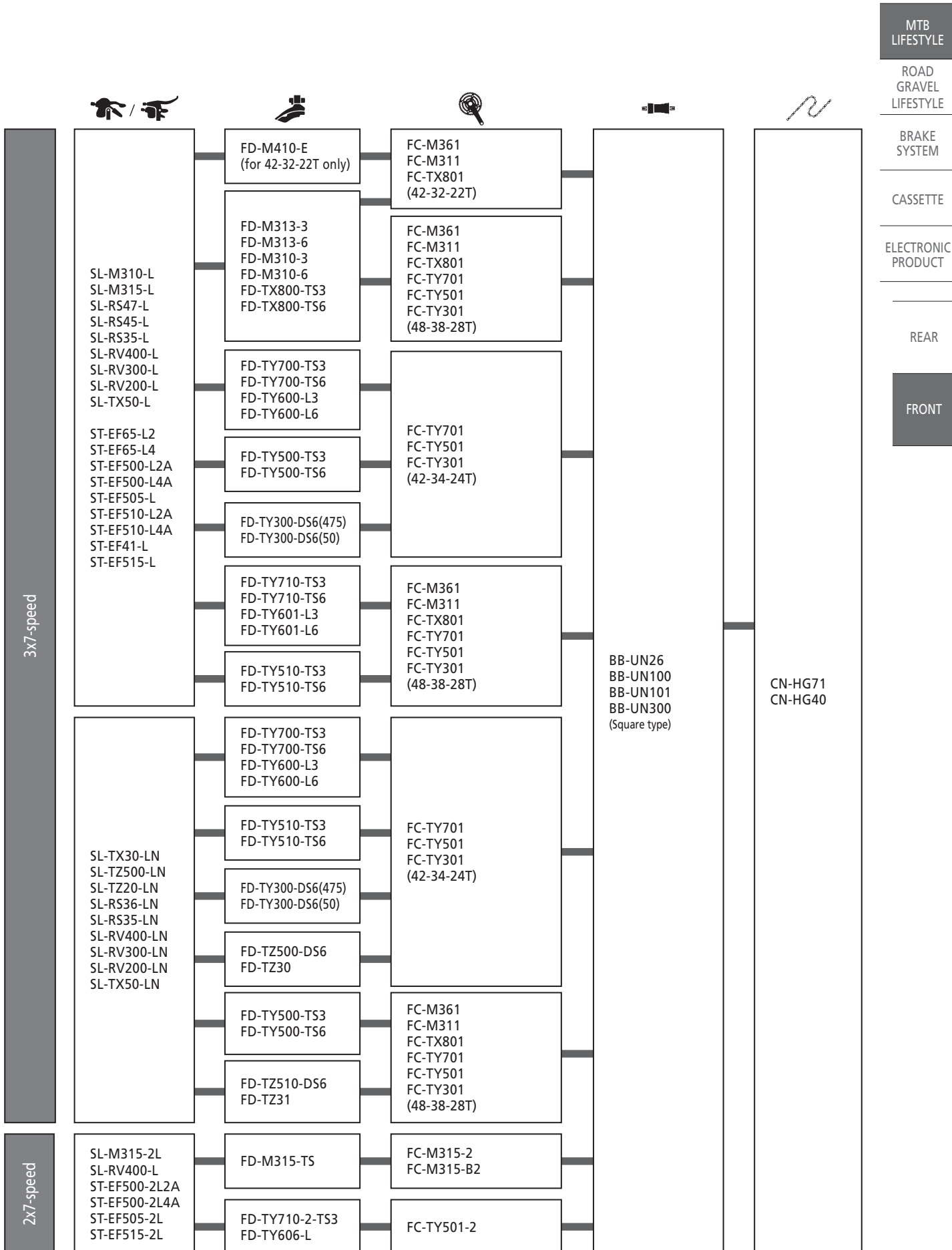


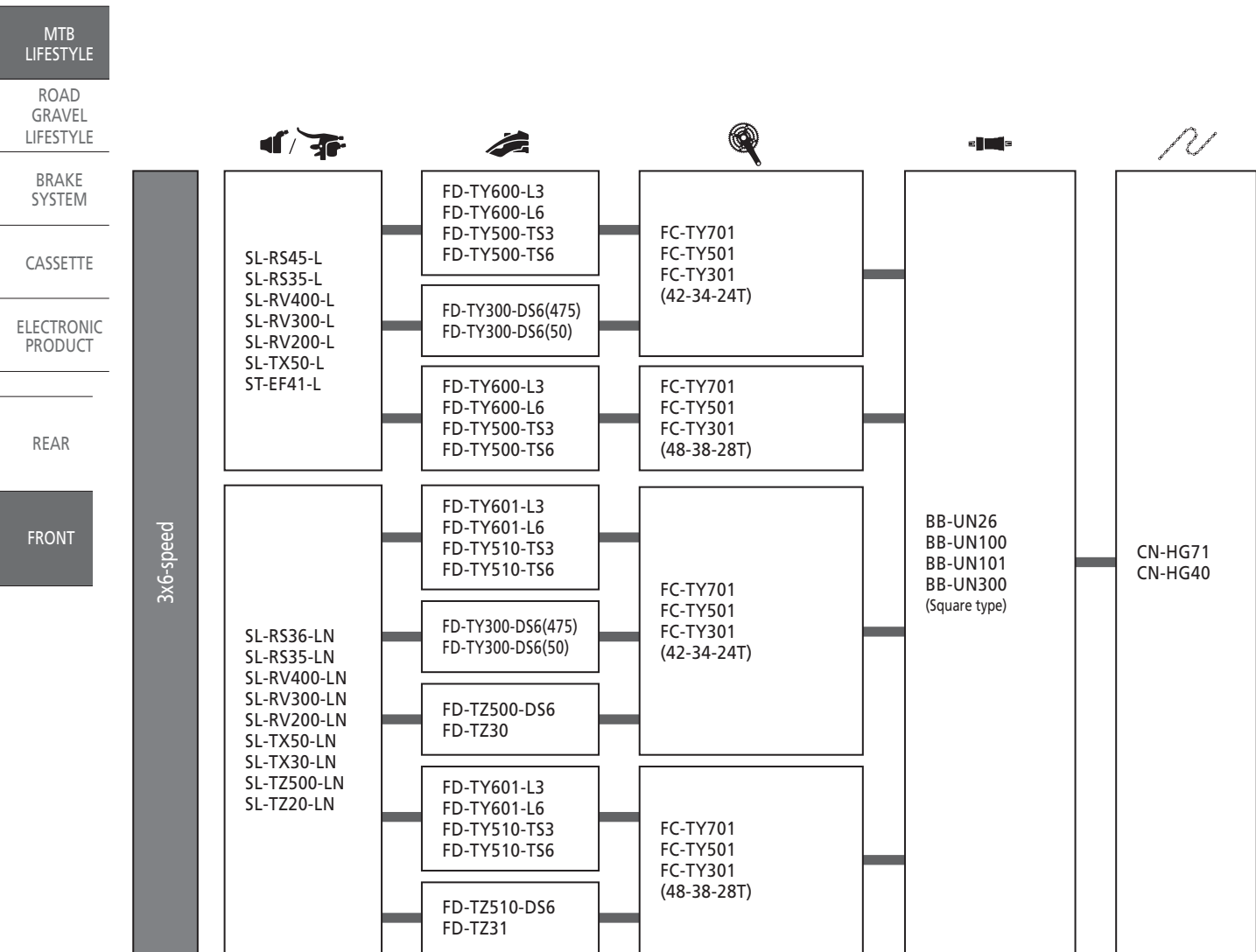




C-446







Drivetrain for ROAD, GRAVEL, LIFESTYLE components

Rear drivetrain compatibility

C-454

					
2x12-speed SHIMANO 105 R7100	ST-R7120	RD-R7100 (34T ≤ Largest sprocket ≤ 36T)	CS-R8101-12 CS-R7101-12 CS-HG710-12		WH-R9200 (O.L.D. 130 mm, HG spline L2)
GRX RX820 RX610	ST-RX820 ST-RX610	RD-RX820 (34T ≤ Largest sprocket ≤ 36T)			WH-R9270 WH-RX880 (O.L.D. 142 mm, HG spline L2)
				CN-M9100 CN-M8100 CN-M7100 CN-M6100	WH-R9170 WH-R8170 WH-RS770 WH-RS710 WH-RS370 WH-RS171 (700c) WH-RS171 (650b) WH-RX870 WH-RX570 WH-RX180 WH-RX31 (E-THRU) FH-RS770 FH-R7070 FH-RS470 FH-TC500-HL (O.L.D. 142 mm, HG spline L)
2x12-speed DURA-ACE R9250					WH-R9100 WH-RS700 WH-RS500 WH-RS300 WH-RS100 FH-9000 FH-6800 FH-5800 FH-R7000 FH-RS400 (O.L.D. 130 mm, HG spline L)
ULTEGRA R8150	ST-R9250 ST-R9270 ST-R9160 ST-R9180 ST-R8150 ST-R8170 ST-R8060 ST-R7170 ST-RX825	RD-R9250 RD-R8150 (30T ≤ Largest sprocket ≤ 34T)	CS-R9200-12 CS-R8100-12 CS-R7100-12 CS-R8101-12 CS-R7101-12 CS-HG710-12		WH-RX830 WH-RX31 (QR) WH-RX010 WH-U5000 FH-CX75 FH-RS505 (O.L.D. 135 mm, HG spline L)
SHIMANO 105 R7150		RD-R7150 (34T ≤ Largest sprocket ≤ 36T)			
GRX RX825		RD-RX825 (34T ≤ Largest sprocket ≤ 36T)			
1x12-speed GRX RX825 RX820 RX610	ST-RX820 ST-RX610	RD-RX822-GS (45T ≤ Largest sprocket ≤ 45T)	CS-M9101-12 CS-M9100-12 CS-M8100-12 CS-M7100-12 (10-45T)		WH-RX880 WH-RX180 (O.L.D. 142 mm, MICRO SPLINE)
		RD-RX822-SGS (51T ≤ Largest sprocket ≤ 51T)	CS-M9200-12 CS-M8200-12 CS-M9101-12 CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12 (10-51T)	CN-M9100 CN-M8100 CN-M7100 CN-M6100	FH-M9111 FH-M8110 FH-M7110 FH-MT500 FH-MT510 FH-MT410 FH-TC500-MS (O.L.D. 142 mm, MICRO SPLINE)
	ST-R9270 ST-R8170 ST-R7170 ST-RX825	RD-RX827-SGS RD-M9250-SGS RD-M8250-SGS RD-M6250-SGS (for 10-51T)	CS-M9200-12 CS-M8200-12 CS-M9101-12 CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12 (10-51T)		FH-MT401 (O.L.D. 135 mm, MICRO SPLINE)
		RD-M9250-GS RD-M8250-GS (for 9-45T)	CS-M9200-12 CS-M8200-12 (9-45T)		



DURA-ACE
R9100
9000

ULTEGRA
R8000
6800

SHIMANO 105
R7000
5800

GRX
RX810
RX600

CUES
U6000

METREA
U5000

ST-R9100
ST-R9120
ST-9001
ST-9000
SL-BSR1
ST-R8000
ST-R8020
ST-R8025
ST-6800
ST-R7000
ST-R7020
ST-R7025
ST-5800

SL-RS700
ST-RS685
ST-RS505

ST-U5060
SL-U5000
ST-RX810
ST-RX600

ST-R9150
ST-R9160
ST-R9170
ST-R9180
ST-9070
ST-R8050
ST-R8060
ST-R8070
ST-9071

ST-6870
ST-6871
ST-RX815
ST-R785

RD-R9100-SS
RD-R8000-SS
(25T ≤ Largest sprocket
≤ 30T)

RD-R8000-GS
RD-RX800-GS
(28T ≤ Largest sprocket
≤ 34T)

RD-9000
RD-6800-SS
RD-5800-SS
(23T ≤ Largest sprocket
≤ 28T)

RD-R7000-SS
(25T ≤ Largest sprocket
≤ 30T)

RD-R7000-GS
(28T ≤ Largest sprocket
≤ 34T)

RD-6800-GS
RD-5800-GS
(28T ≤ Largest sprocket
≤ 32T)

RD-U5000-SS
(28T ≤ Largest sprocket
≤ 32T)

RD-RX810
(30T ≤ Largest sprocket
≤ 34T)

RD-RX800
(28T ≤ Largest sprocket
≤ 34T)

RD-R9150-SS
RD-R8050-SS
(25T ≤ Largest sprocket
≤ 30T)

RD-9070-SS
RD-6870-SS
(23T ≤ Largest sprocket
≤ 28T)

RD-R8050-GS
RD-RX805
(28T ≤ Largest sprocket
≤ 34T)

RD-6870-GS
(28T ≤ Largest sprocket
≤ 32T)

RD-RX815
(30T ≤ Largest sprocket
≤ 34T)

CS-R9100

CS-9000
CS-6800
CS-5800
CS-R8000
CS-HG800-11
CS-R7000
CS-HG700-11

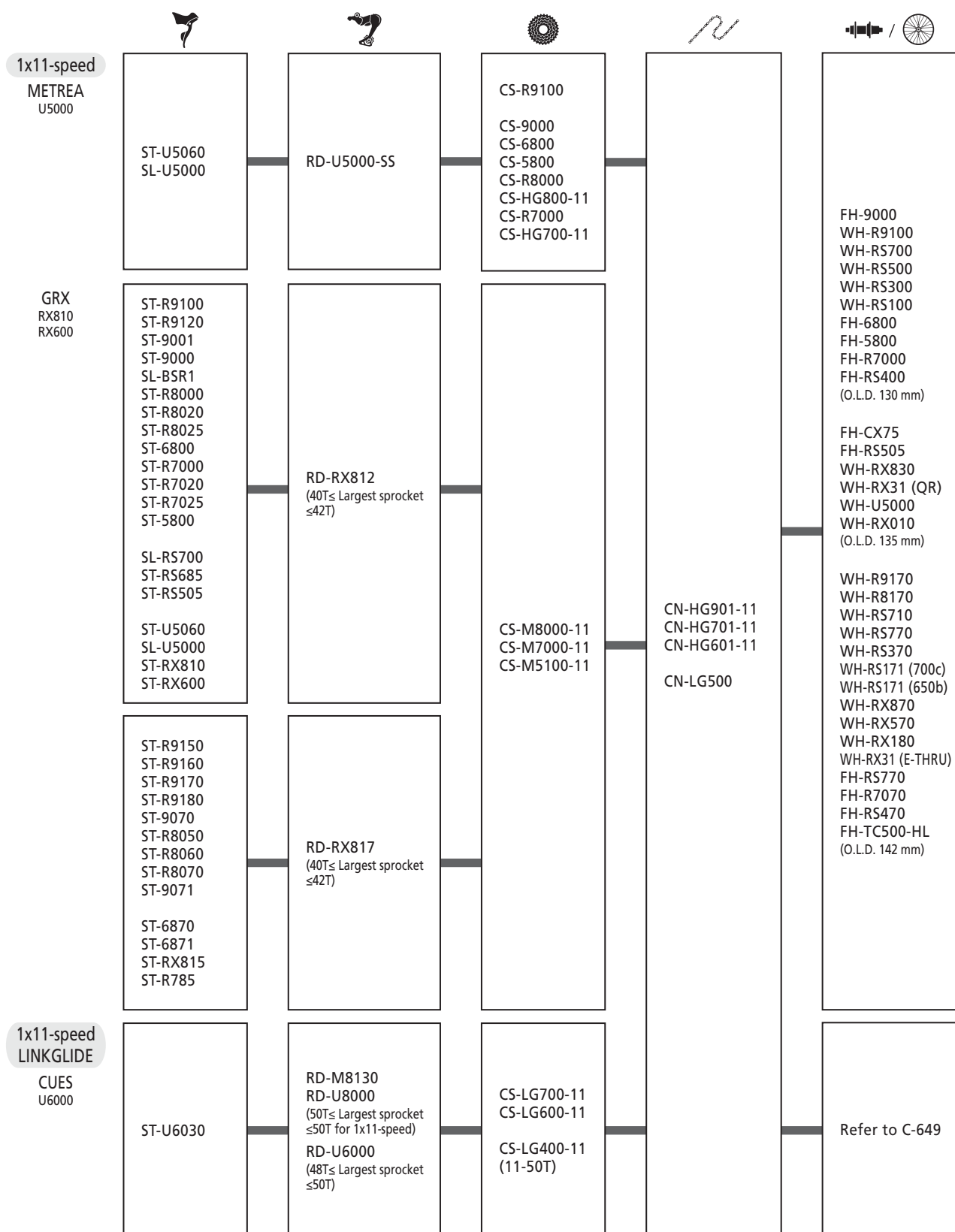
CN-HG901-11
CN-HG701-11
CN-HG601-11

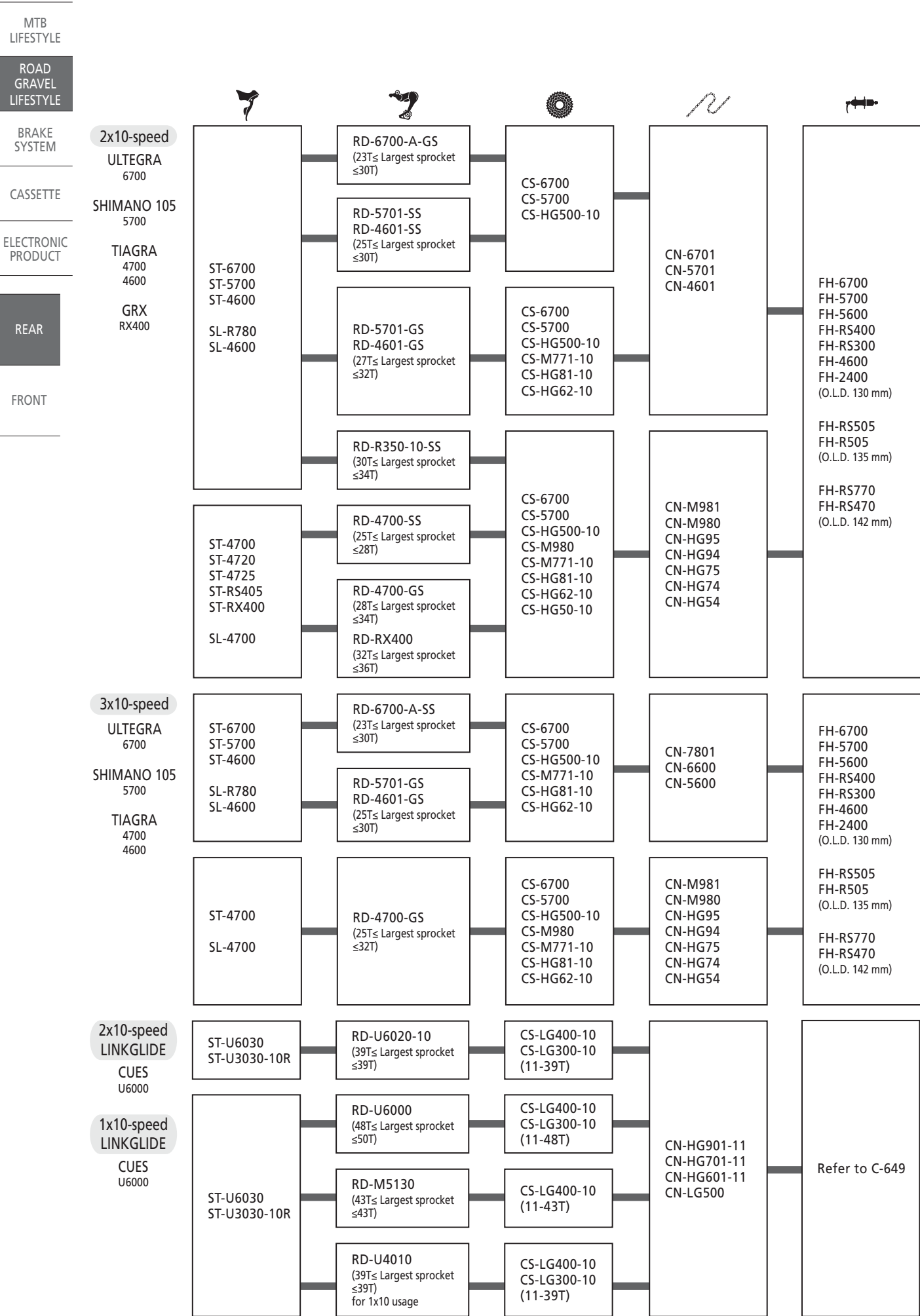
CN-LG500

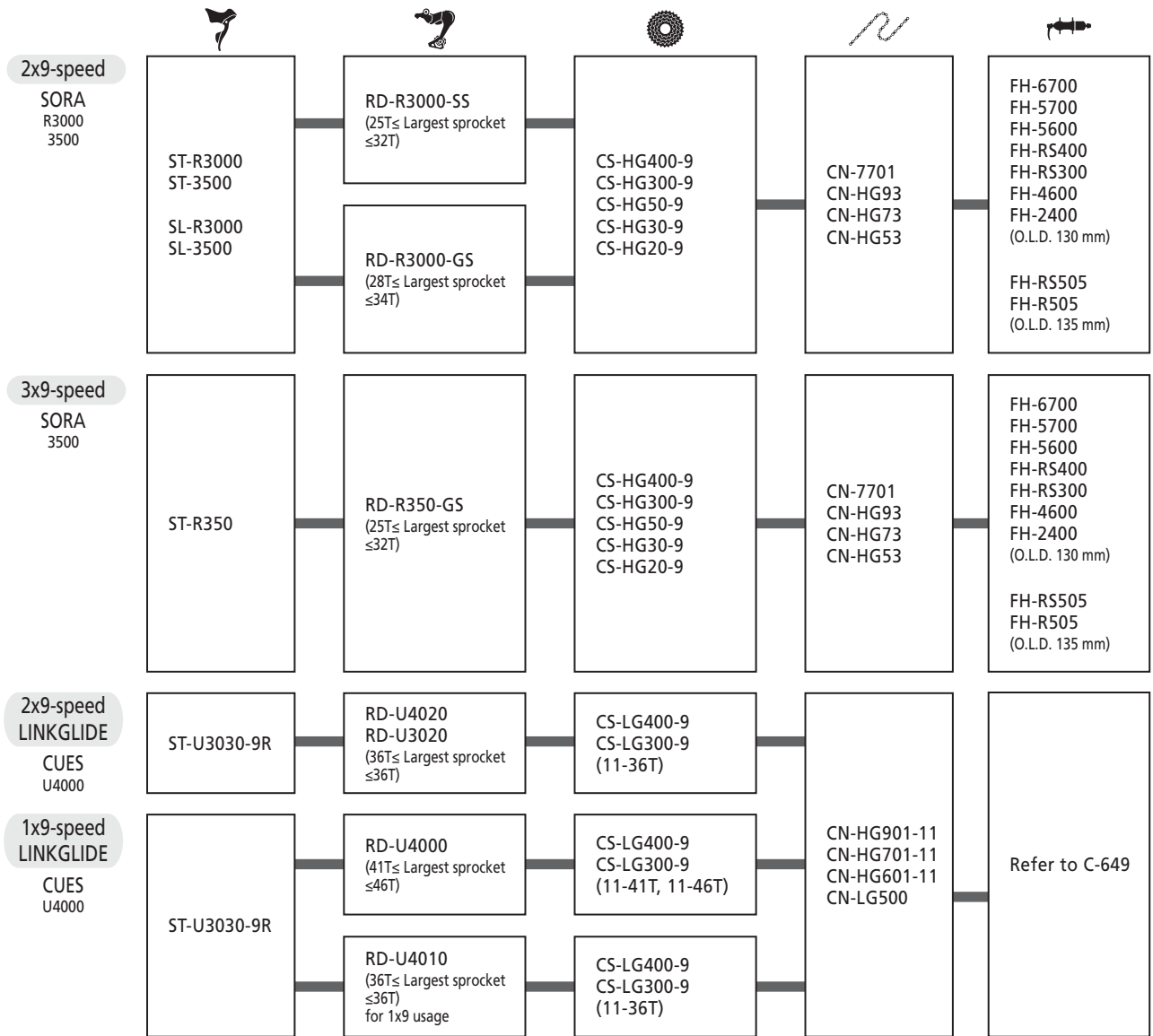
FH-9000
WH-R9100
WH-RS700
WH-RS500
WH-RS300
WH-RS100
FH-6800
FH-5800
FH-R7000
FH-RS400
(O.L.D. 130 mm)

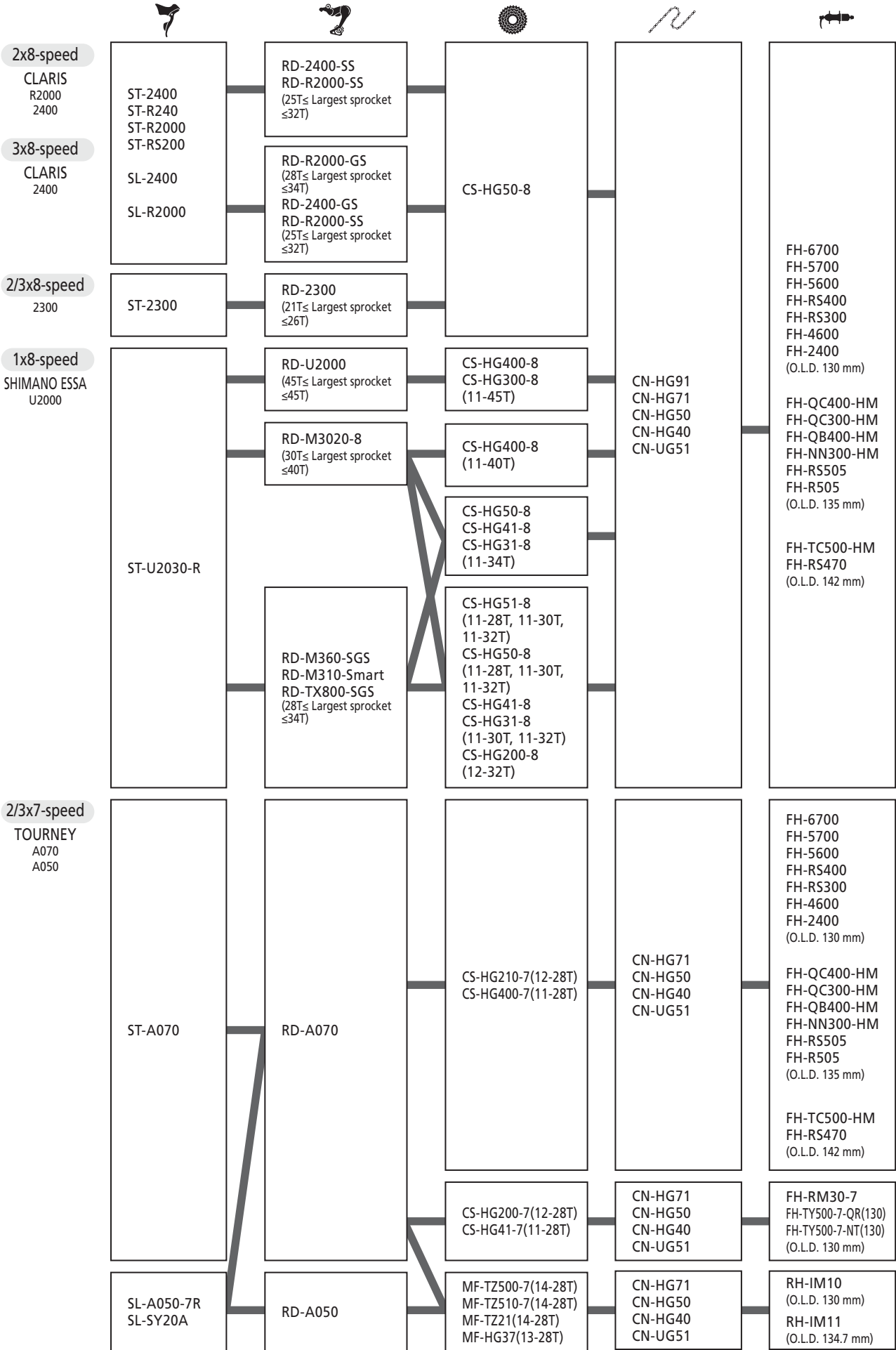
FH-CX75
FH-RS505
WH-RX830
WH-RX31 (QR)
WH-U5000
WH-RX010
(O.L.D. 135 mm)

WH-R9170
 WH-R8170
 WH-RS710
 WH-RS770
 WH-RS370
 WH-RS171 (700c)
 WH-RS171 (650b)
 WH-RX870
 WH-RX570
 WH-RX180
 WH-RX31 (E-THRU)
 FH-RS770
 FH-R7070
 FH-RS470
 FH-TC500-HL
 (O.L.D. 142 mm)



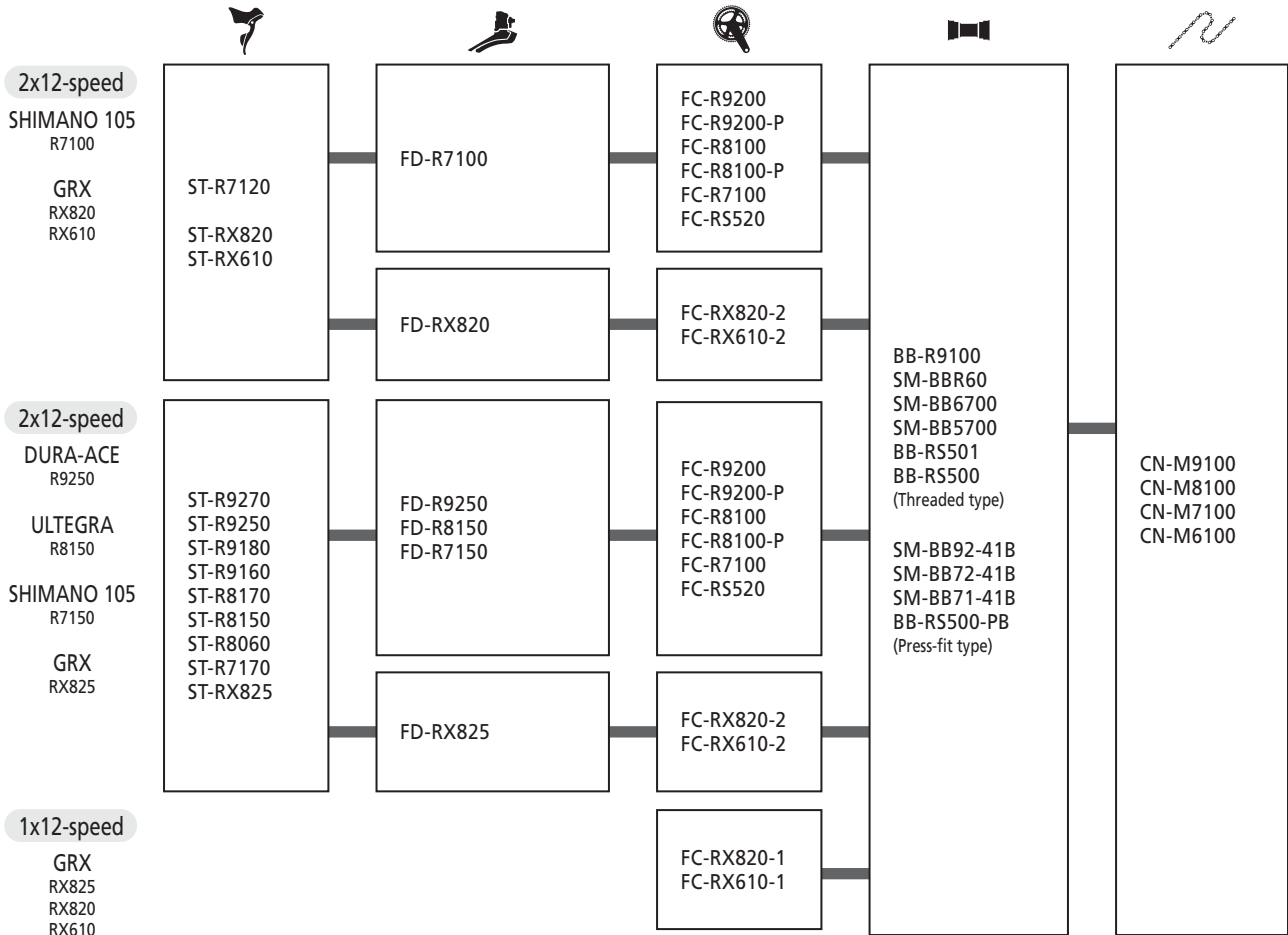






Front drivetrain compatibility

C-455



MTB
LIFESTYLE

ROAD
GRAVEL
LIFESTYLE

BRAKE
SYSTEM

CASSETTE

ELECTRONIC
PRODUCT

REAR

FRONT

2x11-speed

DURA-ACE
R9100
9000

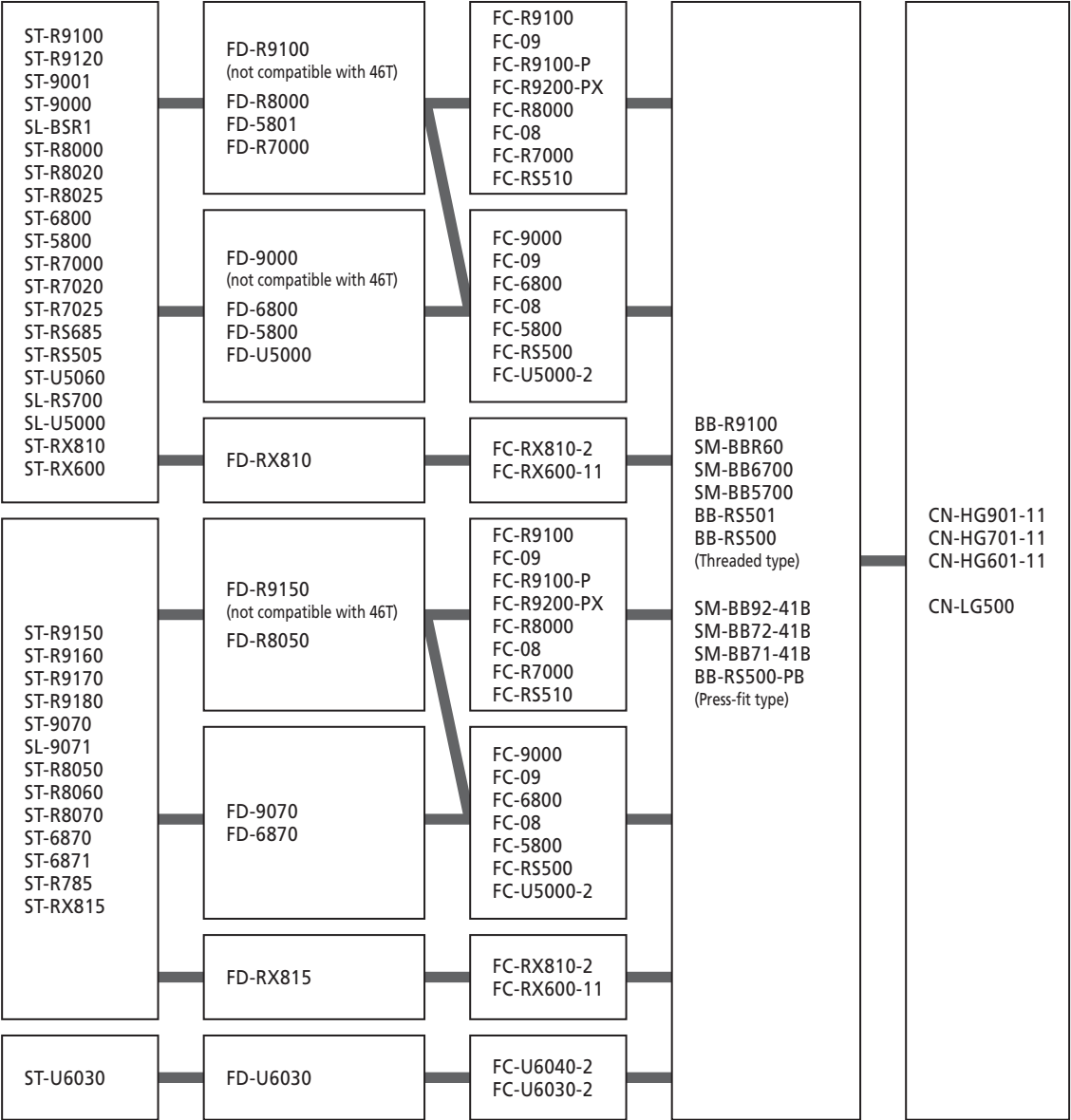
ULTEGRA
R8000
6800

SHIMANO 105
R7000
5800

GRX
RX810
RX600

CUES
U6000

METREA
U5000



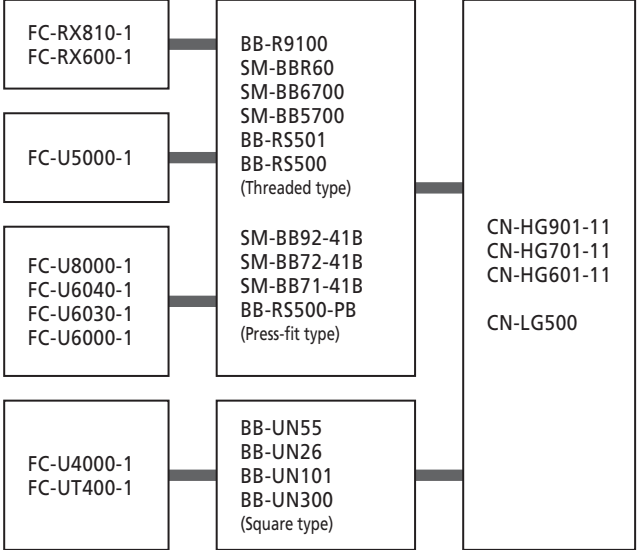
1x11-speed

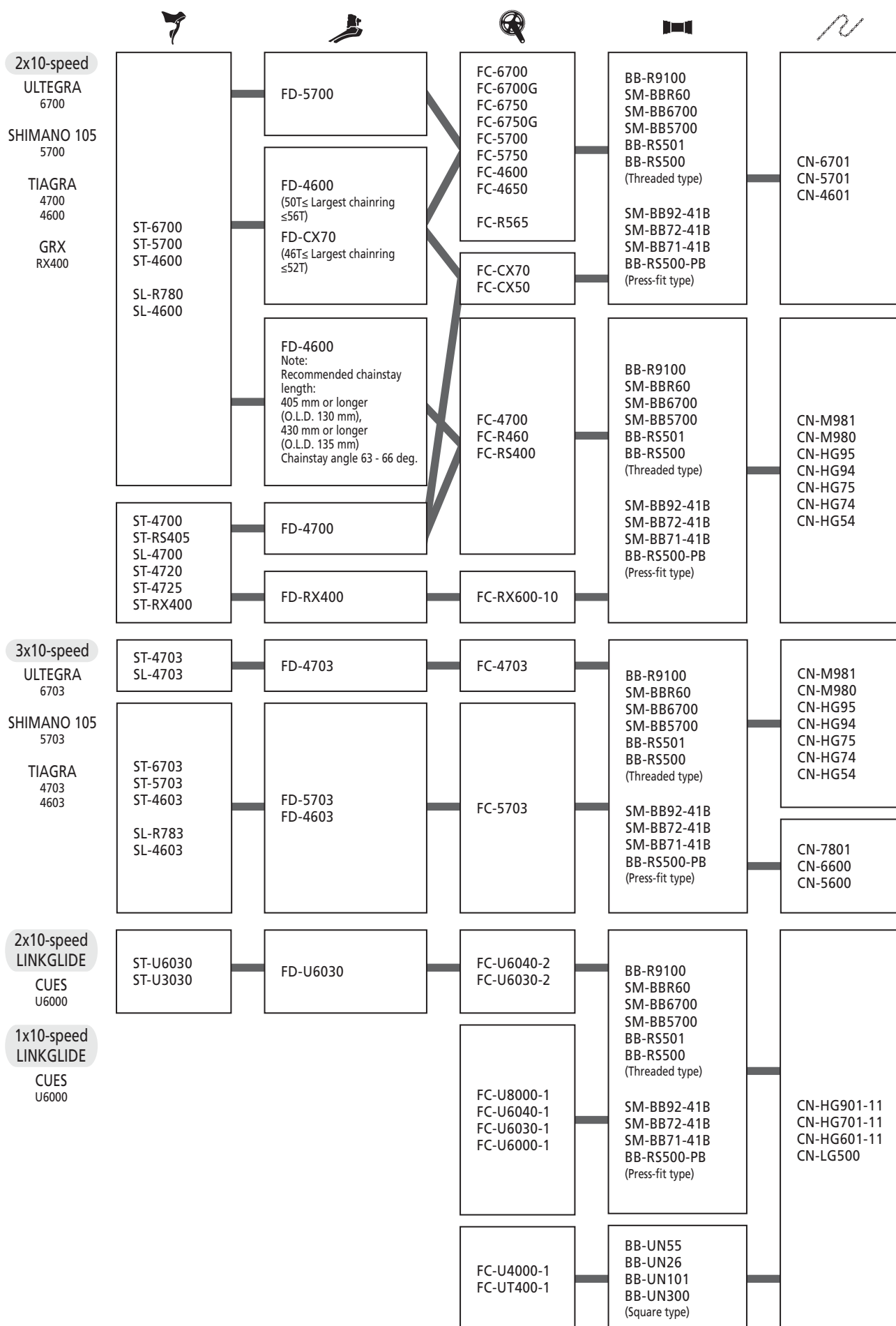
GRX
RX810
RX600

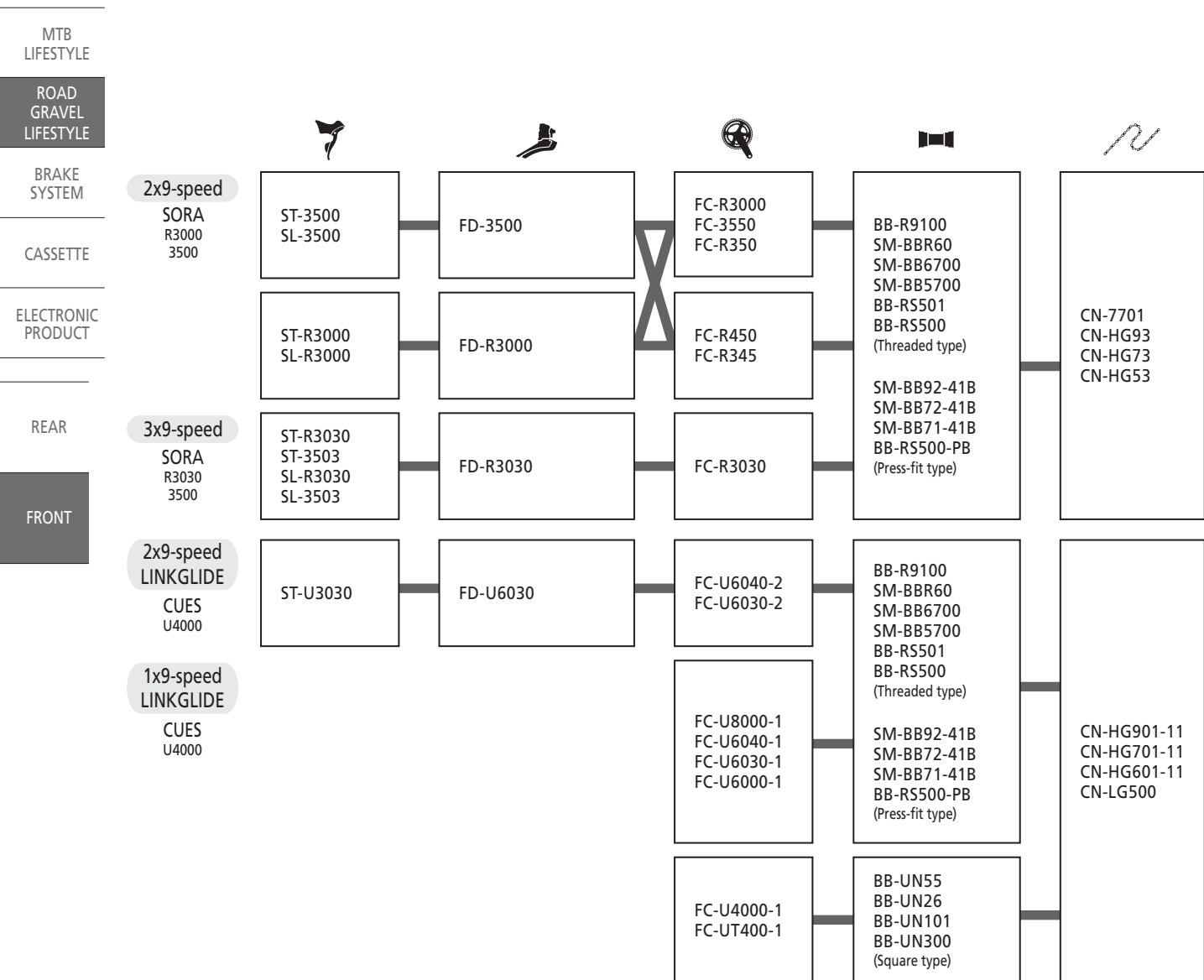
METREA
U5000

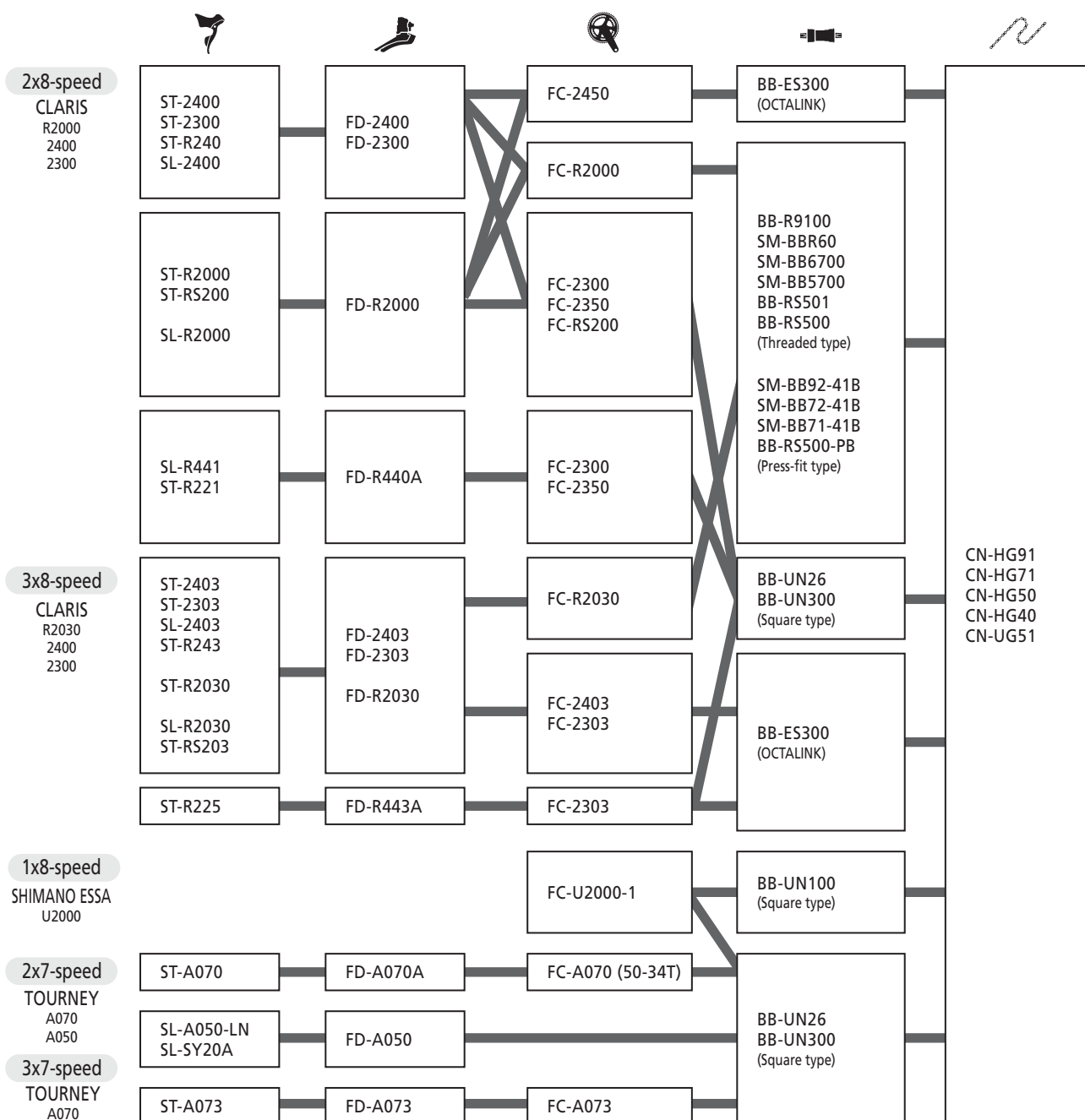
1x11-speed
LINKGLIDE

CUES
U6000









MTB
LIFESTYLE

ROAD
GRAVEL
LIFESTYLE

BRAKE
SYSTEM

CASSETTE

ELECTRONIC
PRODUCT

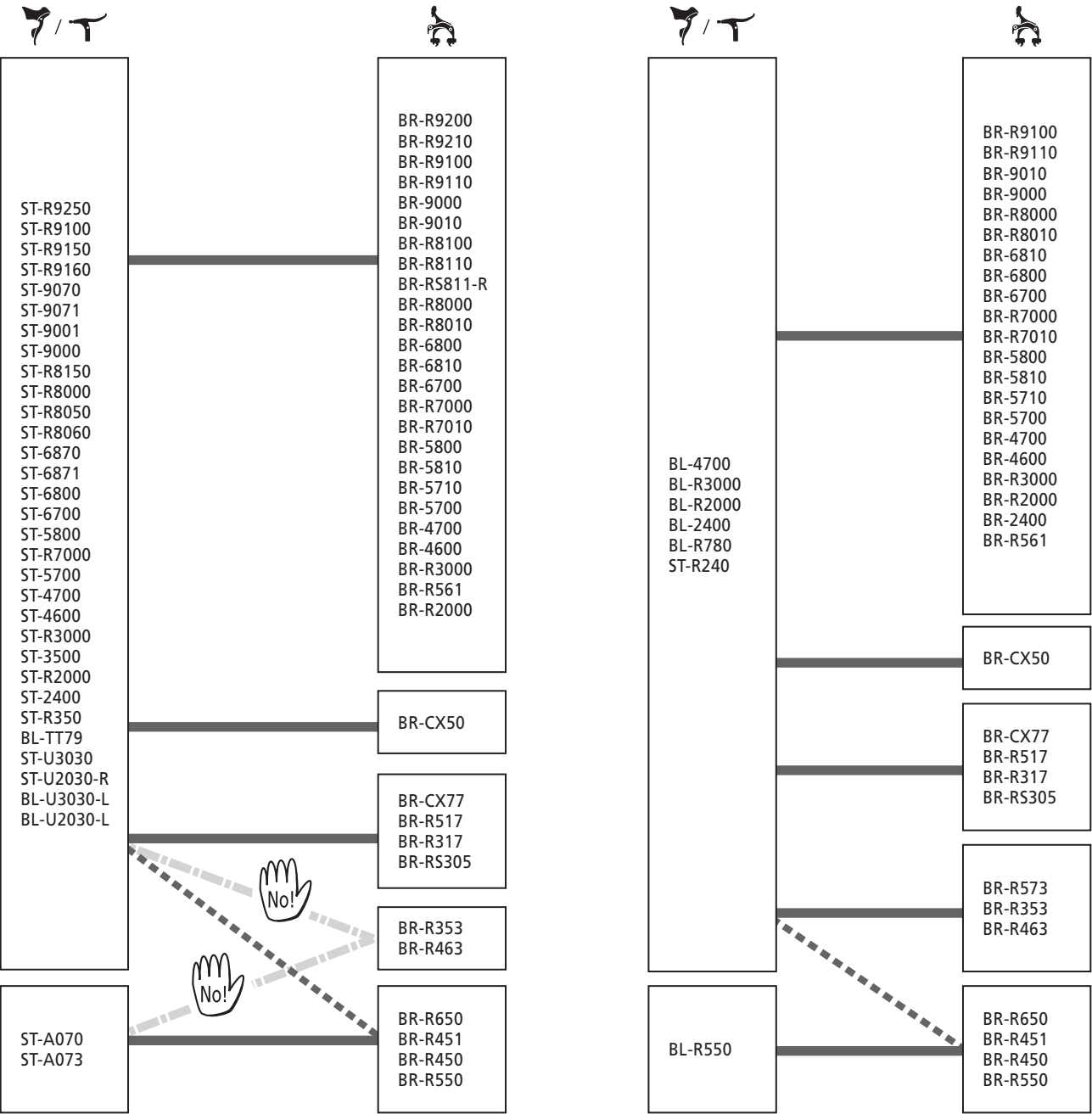
REAR

FRONT

Brake system for ROAD, GRAVEL, LIFESTYLE components

Brake systems compatibility [ROAD, LIFESTYLE]

C-456



Hydraulic systems compatibility [ROAD, GRAVEL]

C-499

MTB
LIFESTYLE

ROAD
GRAVEL
LIFESTYLE

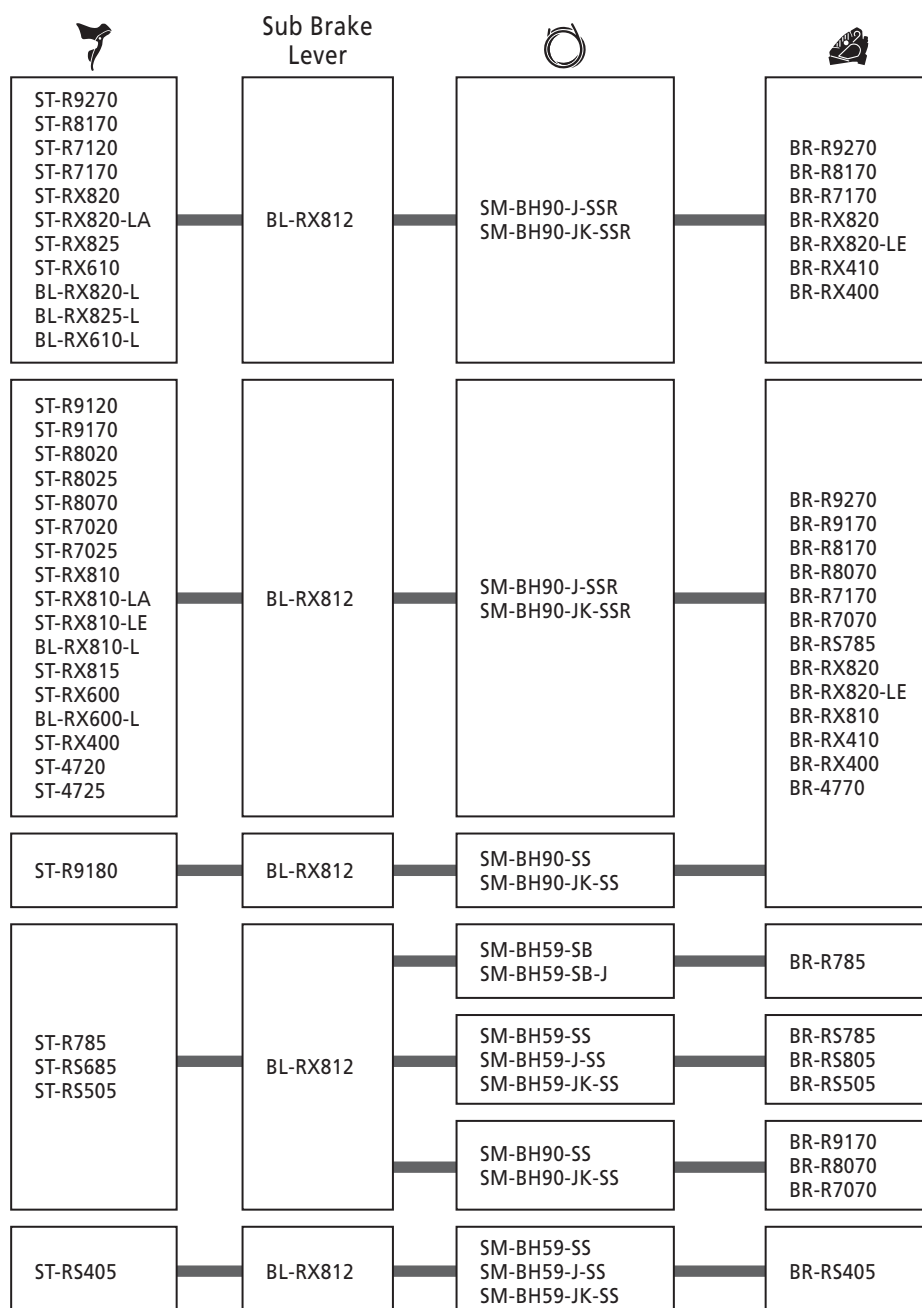
BRAKE
SYSTEM

CASSETTE

ELECTRONIC
PRODUCT

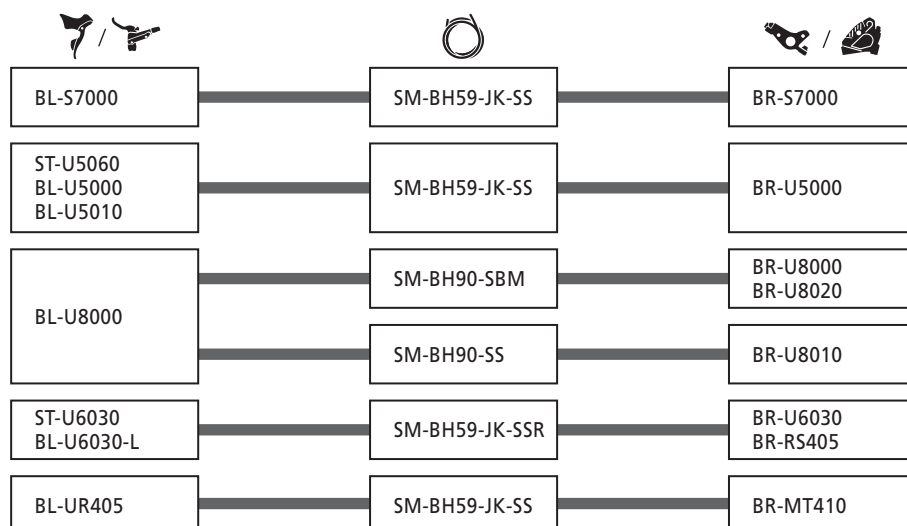
REAR

FRONT



Hydraulic systems compatibility [URBAN, LIFESTYLE]

C-500



Cassette

LINKGLIDE cassette and FREEHUB compatibility

C-649

LINKGLIDE cassettes are not compatible with MICRO SPLINE FREEHUB.

Freewheel body type	FREEHUB spec.	Model No.	CS-LG700-11 CS-LG600-11 CS-LG400-11	CS-LG600-10 CS-LG400-10 CS-LG300-10	CS-LG400-9 CS-LG300-9
HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400-7/CS-HG210-7)	O.L.D. 148 mm, E-THRU type	FH-M8010-B	X	X	X
		FH-M6010-B			
		FH-TC600-HM-B			
		FH-TC500-HM-B			
		FH-MT400-B			
	O.L.D. 141 mm, Quick release type	FH-MT200-B			
		FH-QC400-HM-B			
	O.L.D. 150 mm, E-THRU type	FH-M825	X	X	X
	O.L.D. 135 mm, E-THRU type	FH-M820	- *2	X	X
	O.L.D. 142 mm, E-THRU type	FH-M8010	- *2	X	X
		FH-M6010			
		FH-MT400			
		FH-TC500-HM	X	X	X
	O.L.D. 135 mm, Quick release type	FH-M9000	- *2	X	X
		FH-M8000			
		FH-M6000			
		FH-M4050			
		FH-M3050			
		FH-RM35			
		FH-TX505-8			
		FH-M756-A			
		FH-M525			
		FH-M475			
		FH-TX506			
		FH-T610			
		FH-T3000			
		FH-TX500-8-QR			
		FH-TX500-8-NT			
		FH-QC400-HM	X	X	X
		FH-QC300-HM			
		FH-M5100			
		FH-QB400-HM			
	O.L.D. 130 mm, Quick release type	FH-RS300	- *2	X	X
	O.L.D. 135 mm, Nut type	FH-NN300-HM	X	X	X
HG spline L (ROAD 12/11-speed)	O.L.D. 142 mm, E-THRU type	FH-TC500-HL	X *1	X *1	X *1
		FH-R7070			
		FH-RS770			
		FH-RS470			
	O.L.D. 135 mm, Quick release type	FH-UR600	X *1	X *1	X *1
	O.L.D. 130 mm, Quick release type	FH-R7000	- *2	X *1	X *1
		FH-RS400			

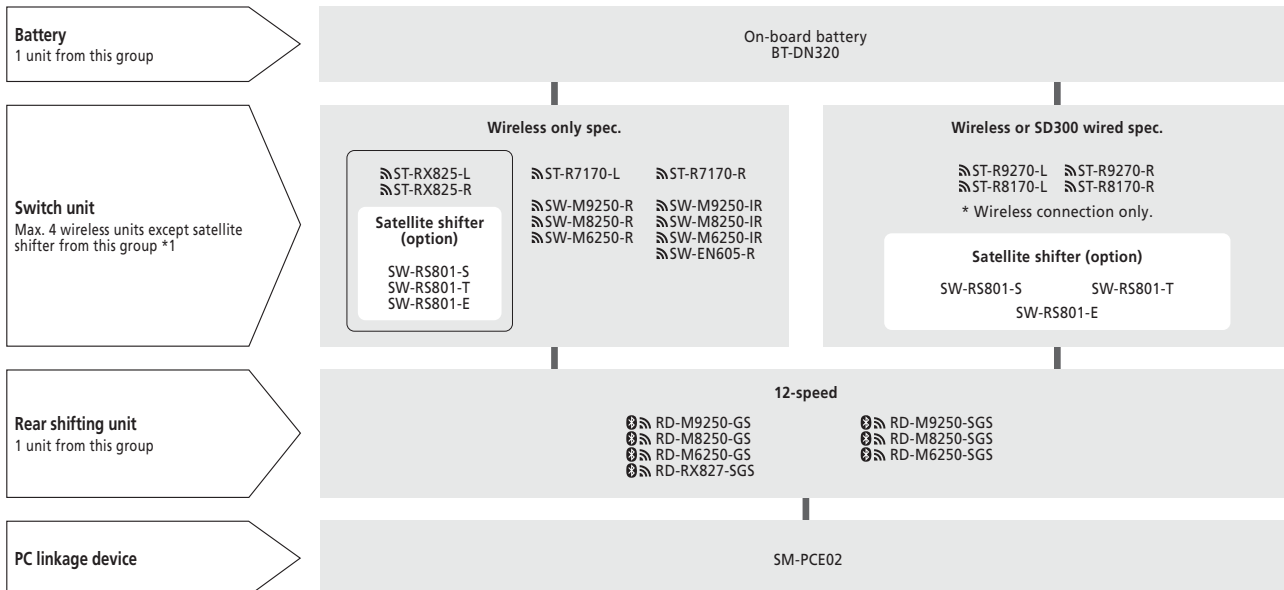
*1 Need low spacer (1.85 mm).
*2 Interference may occur with the rear derailleur and spokes.

Electronic product information

Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.4.2

C-473

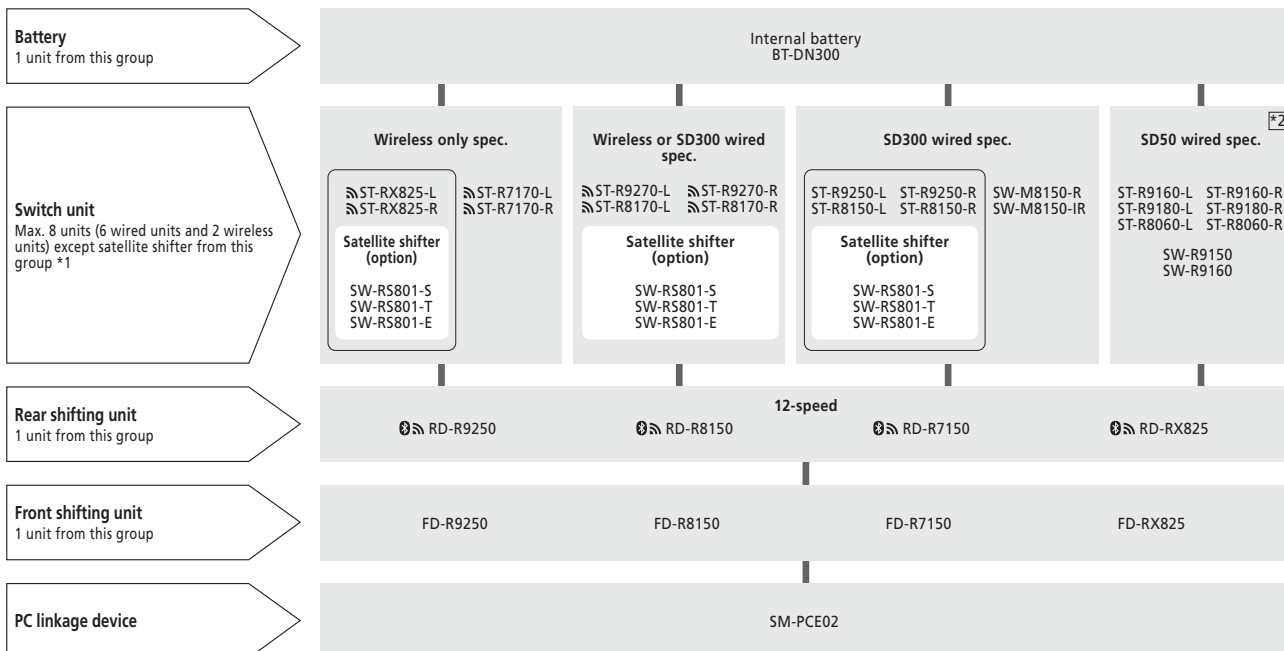
Di2 with BT-DN320



Limitation of function with BT-DN320

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: max. of one SW-R/IR, max. two of SW-LR

Di2 with BT-DN300



Limitation of function with BT-DN300

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
- *2 EW-AD305 is needed.

MTB
LIFESTYLE

ROAD
GRAVEL
LIFESTYLE

BRAKE
SYSTEM

CASSETTE

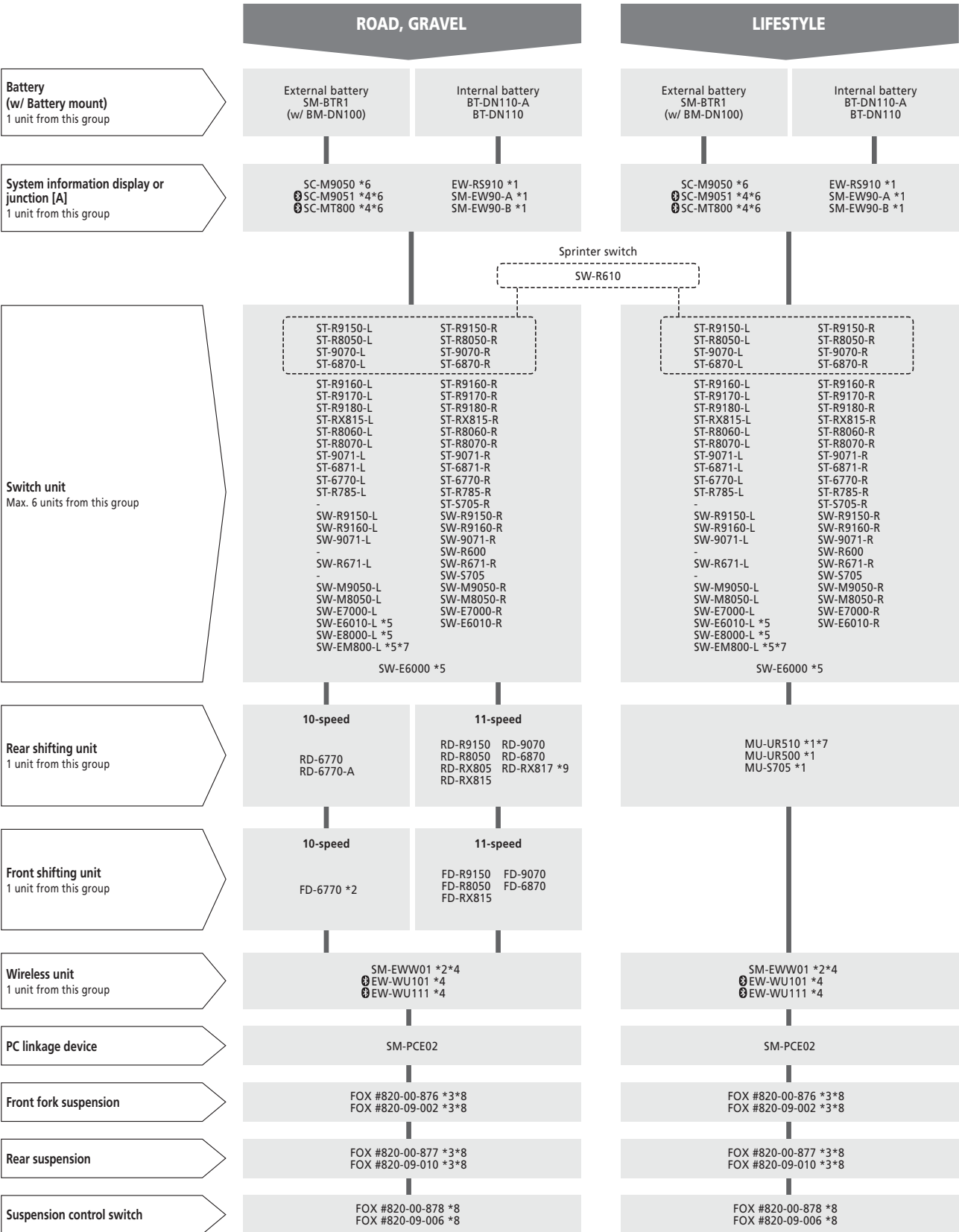
ELECTRONIC
PRODUCT

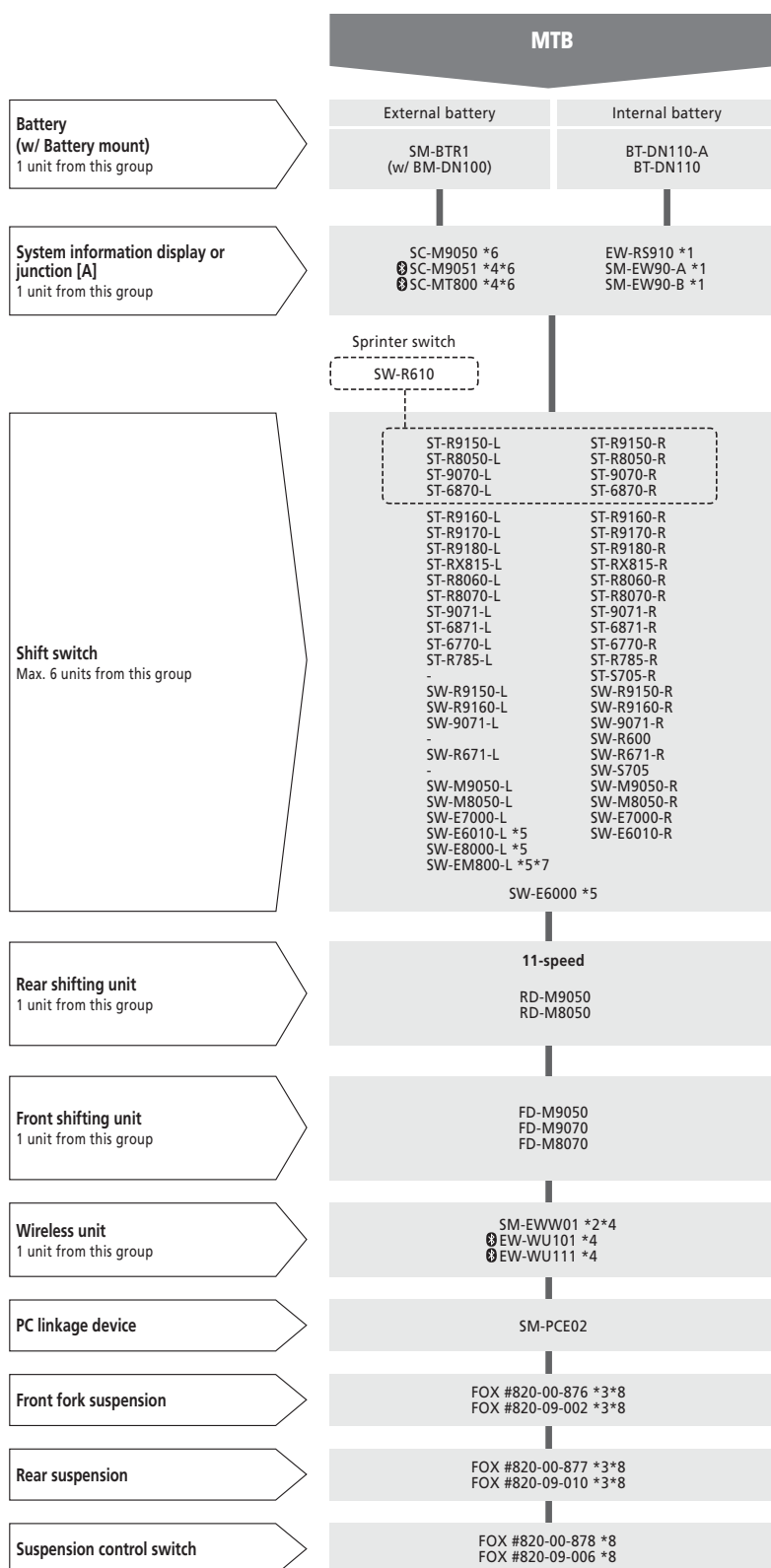
REAR

FRONT

■ Di2 with BM-DN100/BT-DN110

- SM-BTR1 is not displayed on E-TUBE PROJECT (BM-DN100 is displayed)
- BT-DN110-A is displayed as BT-DN110 on E-TUBE PROJECT



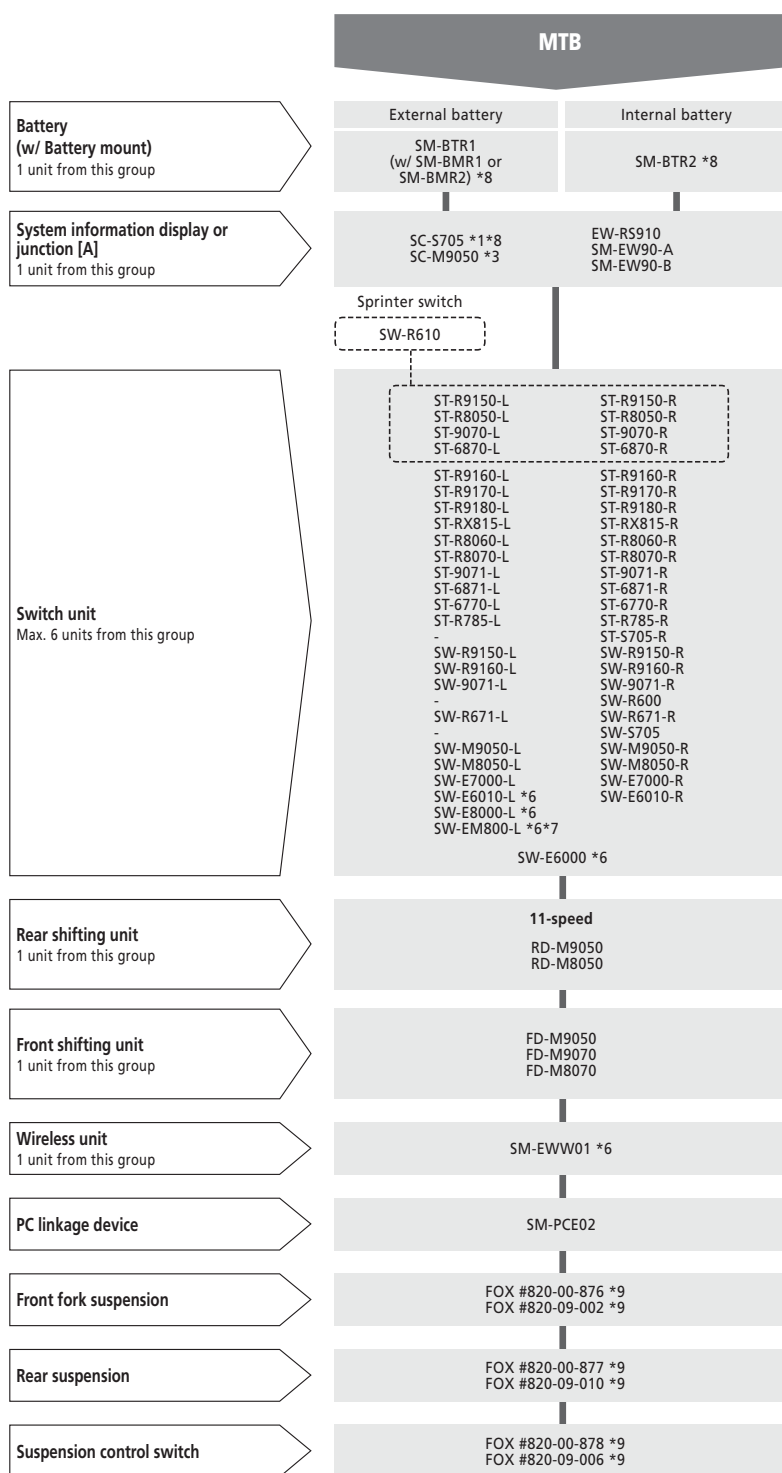


Limitation of function with BM-DN100/BT-DN110

- *1 Shifting adjustment mode for MU-S705, MU-UR500 and MU-UR510 is not supported. (need E-TUBE PROJECT to adjust)
- *2 Not supported by E-TUBE PROJECT Cyclist.
- *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 with SD50 port unit.
- *8 Only supported by E-TUBE PROJECT Cyclist.
- *9 For front single models only. Cannot be used in combination with a front derailleur.

SM-BTR1 is not displayed on E-TUBE PROJECT (SM-BMR1 or SM-BMR2 is displayed)





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.
- SC-S705 may not turn on the display by front shift switch.

*2 SM-BTR2 requires any device which has charging port.

SM-EW67-A-E (Junction (A)) is not compatible with SM-BTR2 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. (need E-TUBE PROJECT to adjust)

*6 Need to change switch setting by E-TUBE PROJECT.

*7 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit.

*8 Not supported by E-TUBE PROJECT Cyclist.

*9 Only supported by E-TUBE PROJECT Cyclist.

*10 For front single models only. Cannot be used in combination with a front derailleur.

MEMO

[illegible]

MEMO

[illegible]

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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.



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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.

