

# SHIMANO

## Mountain Bike

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SHIMANO  
**ALIVIO**

SHIMANO  
**ACERA** (9-speed)

SHIMANO  
**ALTUS** (9-speed)

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

SHIMANO **TourneyTX**

SHIMANO **Tourney** | SHIMANO **Tourney**

SHIMANO **TourneyTZ**

## Trekking Bike

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SHIMANO  
**ALIVIO** (For Trekking Bikes)

SHIMANO  
**ACERA** (For Trekking Bikes)

## URBAN

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SHIMANO  
**Nexus** **INTER 6**

SHIMANO  
**Nexus** **INTER 7**

SHIMANO  
**Nexus** **INTER 3**

## Road Bike

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SHIMANO  
**SORA**

SHIMANO  
**Claris**

SHIMANO  
**Tourney**  
A070

SHIMANO A050

**2021**  
**BICYCLE SYSTEM COMPONENTS**

## Original SHIMANO Quality and Performance for Middle/Entry-level Sports Bikes

In this manual you will find an overview of our middle/entry-level components.

SHIMANO components are widely used on a variety of bicycles, ranging from racing bikes used under harsh conditions to ordinary city bicycles. Developed based on the theme of "stress-free" cycling, SHIMANO components enhance operability, safety and maintainability. For instance, SHIMANO focuses on the following in developing bicycle parts and components.

### Easy and accurate gear changing

To ensure smooth operation of the derailleur, gears and chain, SHIMANO develops these components as integral parts of the system.

### Easy and reliable gear shifting without taking your hand off the handle grip

SHIMANO has developed a function that allows easy and reliable gear shifting and braking without taking your hand off the handle grip, so you can concentrate on using the gear shifting lever and the brake lever. The basic concept, "SHIMANO TOTAL INTEGRATION (STI)," is applied to various parts and components.

### Smooth and sure stopping even in the rain

Bicycles are used for commuting to offices and schools even on rainy days. Therefore, the transmission and brake parts must be enclosed in covers that protect them from rain and mud. SHIMANO components not only ensure reliable operation in the rain, but also offer maintenance-free operation for a long period of time. SHIMANO is constantly committed to promoting cycling in all its different forms: as a sporting and fitness activity, as a relaxing hobby or as a modern mode of transport.

Your SHIMANO sales manager will be happy to answer any questions you may have about SHIMANO and is looking forward to hearing from you.

Team SHIMANO

**SHIMANO**

100th ANNIVERSARY  
1921-2021



<https://www.shimano.com/en/100th/>

### SHIMANO Centennial Site

Shimano dedicated 100 years to pursue people's happiness in finding harmony close to nature and creating new values through the field of bicycle components, fishing tackles, and rowing equipment. Shimano has always been, and always will be, providing highly-trusted quality and deliver Captivating Products for the next 100 years. This website looks back on the 100 years of Shimano's history and offers a special thank you to those who have supported us.



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

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

# SHIFTING SYSTEM






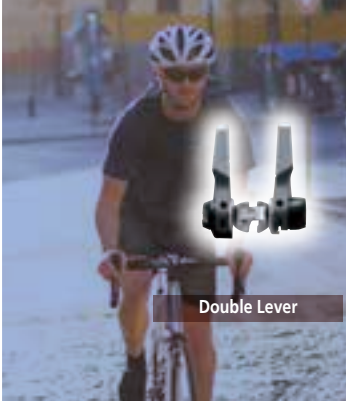

## Type of bicycle, riding style, and operation method... Which gear shifting lever best fits your need?

SHIMANO offers a wide range of gear shifting levers. We offer high-quality, high-performance shifting levers, which are also included in our racing components for MTBs and road bikes, as well as levers that are easy to use even for entry-level bicycle riders. You can select your favorite shifting lever to suit your handlebar type, riding style and preferred operating method.



SHIMANO TOTAL INTEGRATION (STI) brings a whole advanced concept of integration. DUAL CONTROL LEVER, Shifting lever integrated with brake lever, and REVOSHIFT shifter integrated with brake lever deliver clean cable routing, ergonomic construction, compact design and integrated appearance by combining shifting lever and brake lever.

## Recommended shifting levers by usage type

Handlebar type	RIDERS' SKILL					
	← ENTRY				→ EXPERT	
<b>Flat bar</b> 	 Thumb Shifter    Thumb Shifter Plus		 REVOSHIFT    TAP FIRE Plus		 EZ FIRE PLUS    RAPIDFIRE PLUS	
<b>Riser bar</b> 						
<b>Drop bar</b> 	 Double Lever		 DUAL CONTROL LEVER			

## High-quality, high-performance shifting lever used on racing MTBs

### RAPIDFIRE PLUS

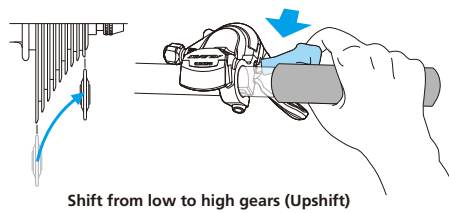
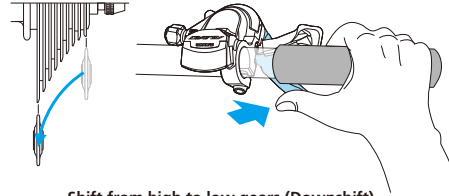
Since its debut in 1992, the RAPIDFIRE PLUS has been included in racing component kits for MTBs. The RAPIDFIRE PLUS has two levers, which are operated by the thumb and index finger. This allows you to shift gears reliably with minimum action while firmly holding the handle grips. This product is recommended for full-fledged sports riding. The ALIVIO is equipped with a 2-WAY RELEASE mechanism to allow gear change by either pushing the upshifting lever with the thumb or pulling it with the index finger. Shifting lever integrated with a hydraulic disc brake lever is available at ALIVIO and ACERA grade.



#### Recommended handlebar

Flat bar

#### Gear Shifting



#### Line-up

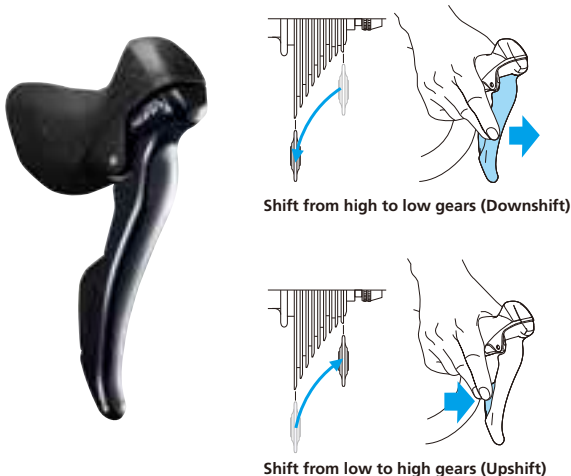


## Shifting lever integrated with brake lever. Recommended for road bikes.

### DUAL CONTROL LEVER

The shifting lever is integrated with a brake lever. There are two levers, one large and one small. To upshift, use the small inner lever. To downshift, operate the large outer lever.

#### Gear Shifting



#### Line-up

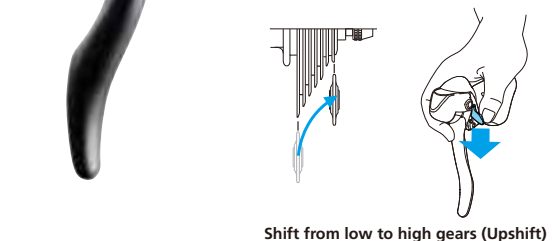
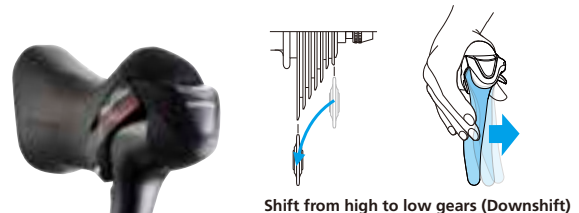


#### Recommended handlebar

Drop bar



#### Gear Shifting



#### Line-up



#### BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

#### Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

**High-visibility shifting lever. Easy to use even for entry-level riders.**

**EZ FIRE PLUS**

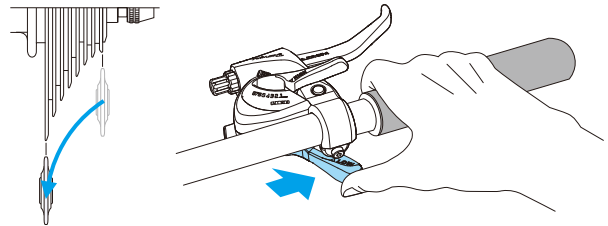
The EZ FIRE PLUS features two shifting levers, just like the RAPIDFIRE PLUS. The upshifting lever is located at the top so it is easy to see. The visible gear display allows easy use for entry-level riders. This shifter is recommended for sports casual riding.



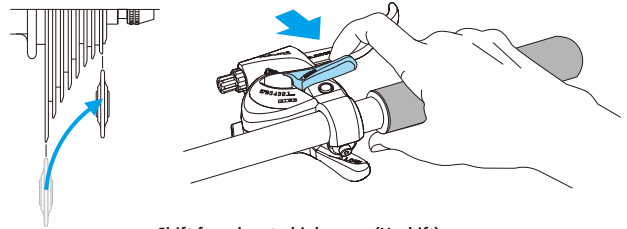
**Recommended handlebar**

**Flat bar**

**Gear Shifting**



Shift from high to low gears (Downshift)



Shift from low to high gears (Upshift)

**Line-up**



**All shifting can be performed by pushing the lever with the thumb.**

**TAP FIRE Plus**

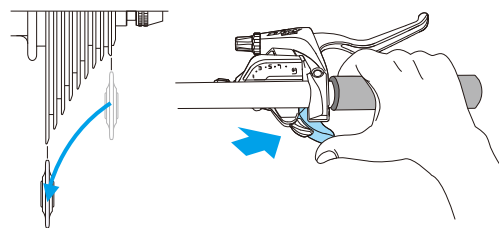
Upshifting and downshifting can be performed by operating the lever with your thumb, without moving your hand from the handle grip. This easy shifter is recommended for city riding. The large OPTICAL GEAR DISPLAY enable to confirm the gear position at a glance.



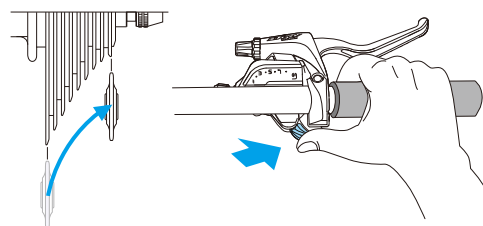
**Recommended handlebar**

**Flat bar**

**Gear Shifting**



Shift from high to low gears (Downshift)



Shift from low to high gears (Upshift)

**Line-up**



## Shifting lever integrated with a grip for smart gear shifting.

### REVOSHIFT

Shifting operation is performed by just twisting the grip. This simple shifting mechanism allows intuitive operation for anyone. There is a model with a smaller-diameter grip for those with small hands. The model equipped with a planetary gear system requires lighter operating force.



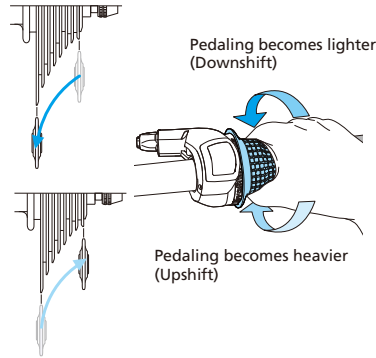
#### Recommended handlebar

Flat bar

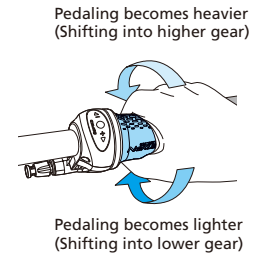
Riser bar

#### Gear Shifting

##### Derailleurs type



##### Internal geared hub type



#### Line-up

SHIMANO  
**Tourney**

Planetary gears equipped  
SL-RV200  
SL-RS45  
SL-RS36

Planetary gears not equipped  
SL-RS35

#### Line-up

SHIMANO  
**Nexus** INTER 11

SHIMANO  
**Nexus** INTER 7

SHIMANO  
**Nexus** INTER 3

## Improved thumb shifting lever operable by thumb only.

### Thumb Shifter Plus

An upshift button is provided to enable easy gear shifting by using the thumb only. Since there are separate levers for upshifting and downshifting, more reliable gear shifting is possible. Suitable for city riding.



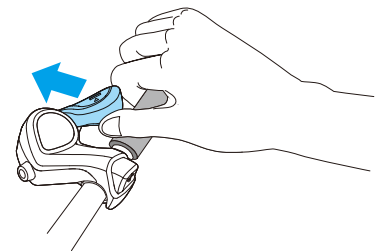
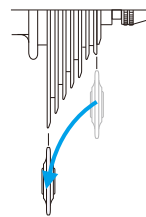
#### Recommended handlebar

Flat bar

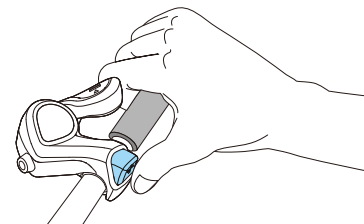
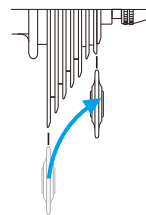
Riser bar



#### Gear Shifting



Shift from high to low gears (Downshift)



Shift from low to high gears (Upshift)

#### Line-up

SHIMANO  
**Tourney**

#### BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

#### Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070  
SHIMANO A050

# Single lever for easy shifting! Shifting lever for entry-level riders.

## Thumb Shifter

A single lever is used for all shifting. This shifting lever is easy to use even for entry-level riders. The shifting lever indexing mechanism provides a crisp change of rear gears. (SHIMANO INDEX SYSTEM: SIS) The front-side shifter is a friction type without SIS.



### Recommended handlebar

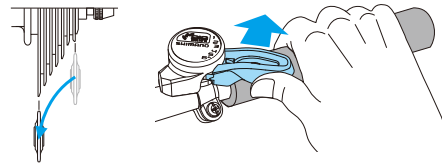
Flat bar



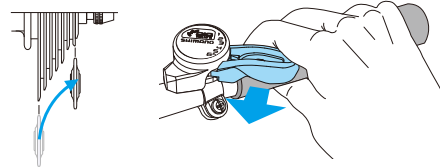
Riser bar



### Gear Shifting



Shift from high to low gears (Downshift)



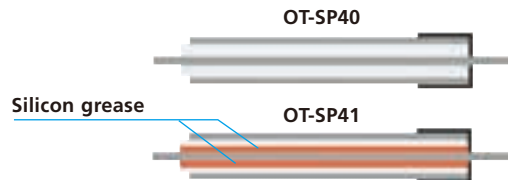
Shift from low to high gears (Upshift)

### Line-up



## OT-SP41

With OT-SP41 the entire length of the outer casing is pre-lubricated with a special silicone grease for quick and precise shifting performance. OT-SP41 maximally reduces the inner cable friction to provide quick response to operations and easy/effortless shifting. Moreover, power loss due to delay in shifting and fatigue by shifting especially when you ride on the terrain with many ups and downs as well as a long distance is also reduced. 8 color options are also available.



8 color options

## OPTICAL GEAR DISPLAY

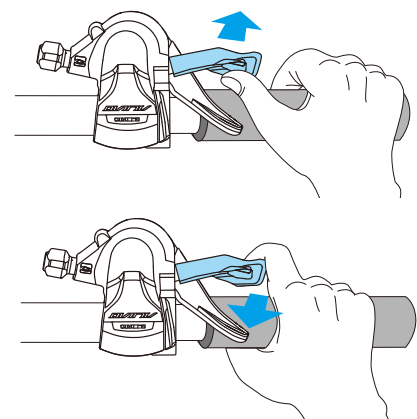
The OPTICAL GEAR DISPLAY tells you which gear position is selected while riding your bike. You can see how many gears you can select either on the low side or top side, which makes shifting control easier.



## 2-WAY RELEASE



The RAPIDFIRE PLUS shifter release lever is commonly called a trigger because it is operated like a pistol, by pulling toward the grip. The release lever of RAPIDFIRE PLUS shifters from ALIVIO to XTR can be operated in this same manner but adds the ability to activate a release shift by pushing with the thumb.





# FRONT DRIVETRAIN

## CRANKSET

Sports riding, practical use, or balance...

What's your riding style?



**Integrated Crank Arm and Bottom Bracket**

### 2-PIECE CRANKSET

The 2-piece structure offers lightweight and high rigidity. The wide bearing position allows efficient transmission of pedaling force.



**8 Serrations at Joint for Accurate Chainline**

### OCTALINK

The joint section of the bottom bracket and crankset resists wear. The high strength and high rigidity ensure reliable transmission of the rider's pedaling force without loss.



**Standard Bottom Bracket**

### SQUARE TYPE BOTTOM BRACKET

The joint section of the bottom bracket and left/right crankset is square in shape. This is the most orthodox type.



BICYCLOPEDIA

- MTB
- TREKKING
- URBAN
- ROAD
- PEDAL

Shifting System

Front Drivetrain

- Rear Drivetrain
- Brake System
- Front Hub/ Rear FREEHUB

Pedal System

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

- ALIVIO
- ACERA
- NEXUS
- Hub Dynamo
- SORA

- CLARIS
- TOURNEY A070 SHIMANO A050

# FRONT DRIVETRAIN

## MEGA 9 LITE



### Light pedaling with efficient drivetrain

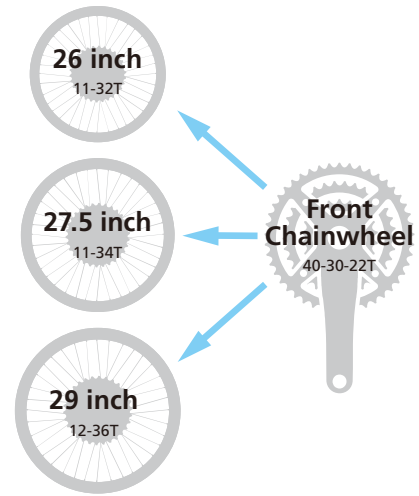
#### Optimal gear ratio for each wheel size

The larger the wheel the more range needed in the Cassette to maintain light pedaling

#### Refined front shifting system

Gear combinations specialized for each tire size reduces the number of recovery rear shifts needed with front close gear ratio

#### Tire clearance improved for better maneuverability

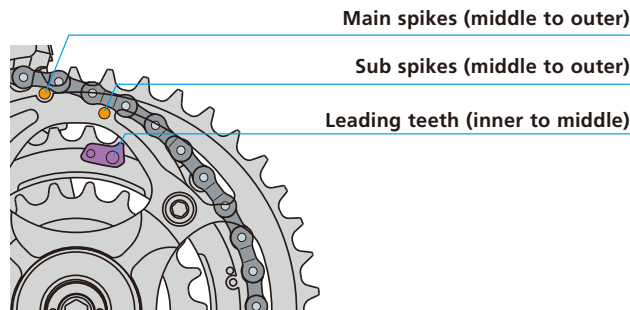


## HYPERDRIVE System



### Integrated design of SG-X chainrings, Wide Link front derailleur and HG chain

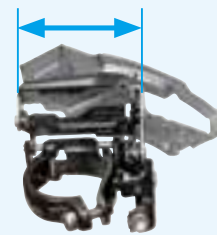
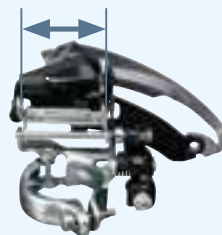
Components work together to improve chain control to provide precise and reliable front derailleur shifting that is especially beneficial in severe off-road riding conditions. Wide link front derailleur contributes higher rigidity for precise shifting operation.



Make cycling more enjoyable for entry level riders:

### Wide link

The wide pivot link design boosts strength and rigidity. The outer link is widened to add more rigidity. Flex is suppressed, creating sharp, precise shifts that are faster and smoother, even from low to high gears while off the saddle.



Wide link

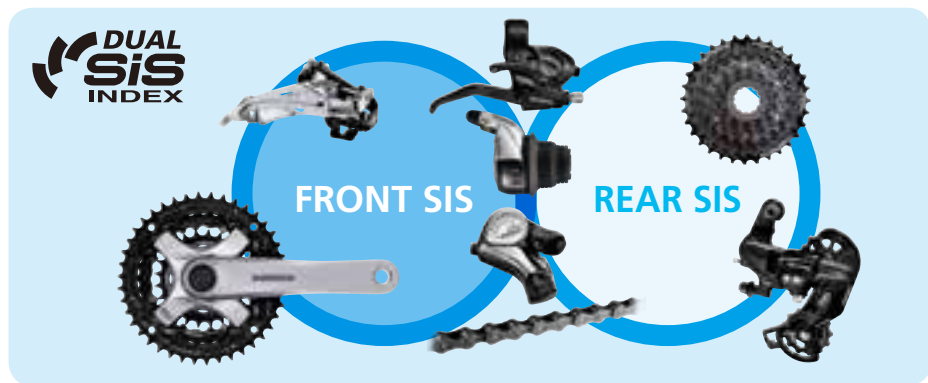


## DUAL SIS Front and Rear Index Shifting



The SIS Rear Index Shifting System was adopted at the front. With the index system at the front shifting operation is easier and more comfortable.

### FRONT SIS + REAR SIS = DUAL SIS



Gear spike

Make cycling more enjoyable for entry level riders:

### Front chain wheel

To shift front gears while pedaling force is applied, the chain must be set onto a gear spike first and then transferred onto another gear. SHIMANO front chain wheels feature special gear spike to enable reliable gear changes for a long period of time.



Make cycling more enjoyable for entry level riders:

### Front derailleur

One quick click of the shifter lever gets you into gear. The derailleur is aligned automatically without the need to over-shift or tune.

The DUAL SIS front derailleur features a special bulge on the inner chain guide flange to provide fast and smooth SIS shifting with DUAL SIS index compatible Front chain wheel.

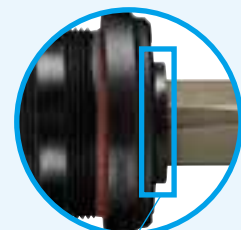
Special bulge



Make cycling more enjoyable for entry level riders:

### Bottom bracket

Chainline stabilizer on bottom bracket spindle secure accurate chainline control for genuine shifting performance in combination with DUAL SIS compatible items.



Chainline stabilizer



#### BICYCLOPEDIA

MTB

TREKKING

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Shifting System

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Rear Drivetrain

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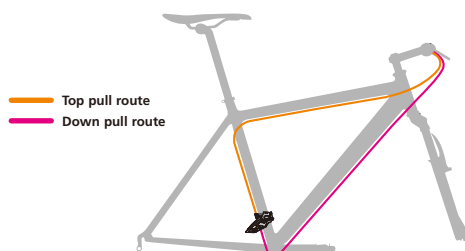
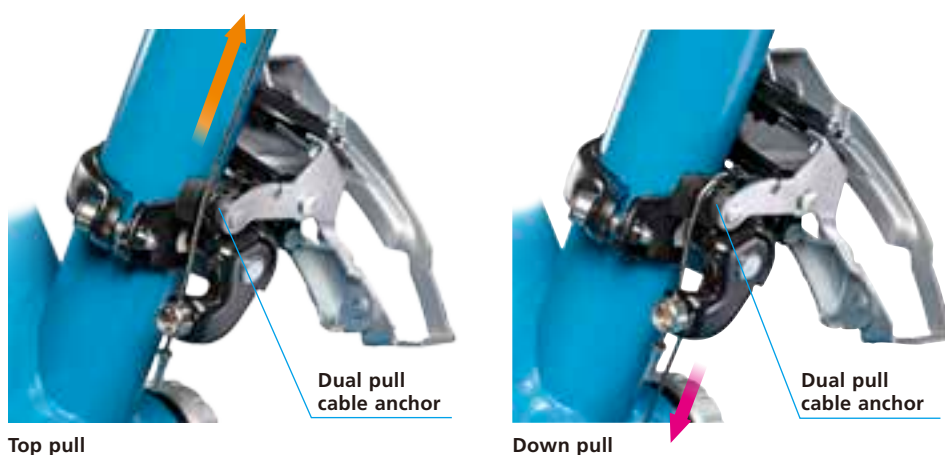
CLARIS

TOURNEY A070 SHIMANO A050

# FRONT DRIVETRAIN

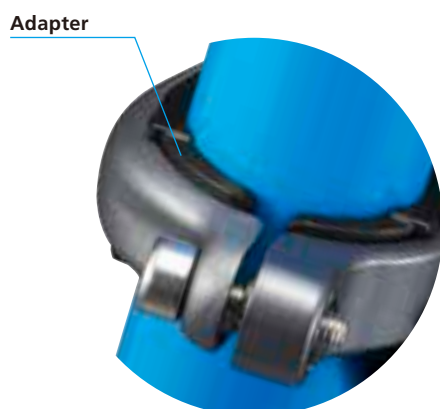
## Dual Pull Cable Anchor

Two cable anchor positions allow a single derailleur to be used with frames that have top or bottom pull cables.



## Multi Clamp System

Allows a single derailleur to be mounted to 28.6, 31.8 or 34.9 mm frame tube diameters (two smaller sizes use adapters). Therefore, you can reduce SKU.



# REAR DRIVETRAIN

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

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TOURNEY TX

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ALIVIO

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NEXUS

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SORA

CLARIS

TOURNEY A070 SHIMANO A050

## Advantages of Derailleur type and Internal type

### Which rear gearing system do you choose?

Derailleur type has evolved mainly for use in sports riding and racing, while internal gearing has advanced as parts for bicycles used mainly in city riding. More fulfilling bicycle riding can be enjoyed by selectively using those systems according to the purpose and usage.

#### Derailleur type

#### For sports ride



### For sports riding, including racing and long-distance riding

Derailleur type has exposed gears attached on the rear wheel hub. When the shifting lever is operated, the rear derailleur moves and changes the position of the chain to a different gear. It is simple in structure and lightweight with high driving efficiency. Derailleur type is used most commonly on sports bikes.

- Gears must be changed while pedaling, even when riding uphill.
- The gear change system is exposed, so it is easy to access parts for maintenance.
- Gear ratios can be selected to suit the user's preference.

#### Internal type

#### For city ride



### For casual, short-distance riding or city riding

Gears are contained in the rear hub. Because of the uncluttered appearance of the rear wheel without any exposed gears, this system is recommended for people who prefer simple-looking bicycles. Internal geared hub type is less maintenance effort than derailleur type. Since it is possible to change gears while the bicycle is stationary, it is suitable for city riding.

- Even if the bicycle stops in a high gear, it is possible to change to a lower gear for easy takeoff.
- Gears are enclosed in the rear hub, so this system resists the adverse effects of rain and mud. It is less maintenance effort than derailleur type.
- Gears and mechanism are not likely to be damaged by falling or careless transportation.

# REAR DRIVETRAIN

The number of speeds does not necessarily indicate the required pedaling force.

Some people think that the higher the number of speeds, the easier it is to pedal the bicycle uphill. But that is not true. The number of speeds is like the number of steps to the second floor, as illustrated below. A wide gear range of a drivetrain is analogous to a high second floor level. The most appropriate number of speeds and the most suitable gear ratios depend on the terrain that you're riding on and your riding style.

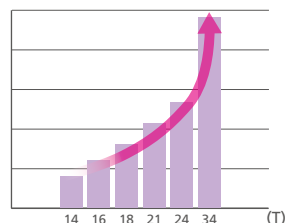
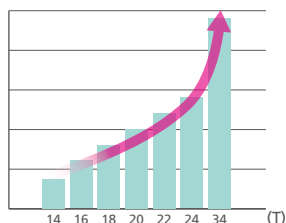
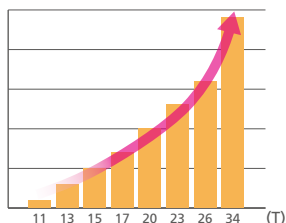
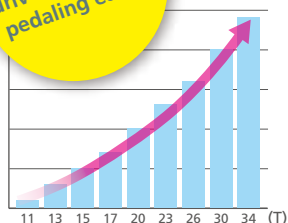
The good point of a multi-speed drivetrain

Each change is smaller if the gear range is the same.

The smaller the differences are, the easier it is to climb to the next.

Lighter and smoother pedaling

A multi-speed drivetrain makes pedaling easier.



9-speed

- SHIMANO ALIVIO
- SHIMANO ACERA
- SHIMANO ALTUS
- SHIMANO SORA

Gear range determined based on standard 11-34T



8-speed

- SHIMANO Acera
- SHIMANO ALTUS
- SHIMANO TourneyTX
- SHIMANO Claris

Gear range determined based on standard 11-34T



7-speed

- SHIMANO Acera
- SHIMANO ALTUS
- SHIMANO Tourney
- SHIMANO Tourney A070

Gear range determined based on standard 14-34T



6-speed

- SHIMANO Tourney
- SHIMANO Tourney TZ

Gear range determined based on standard 14-34T

## What's the gear range?

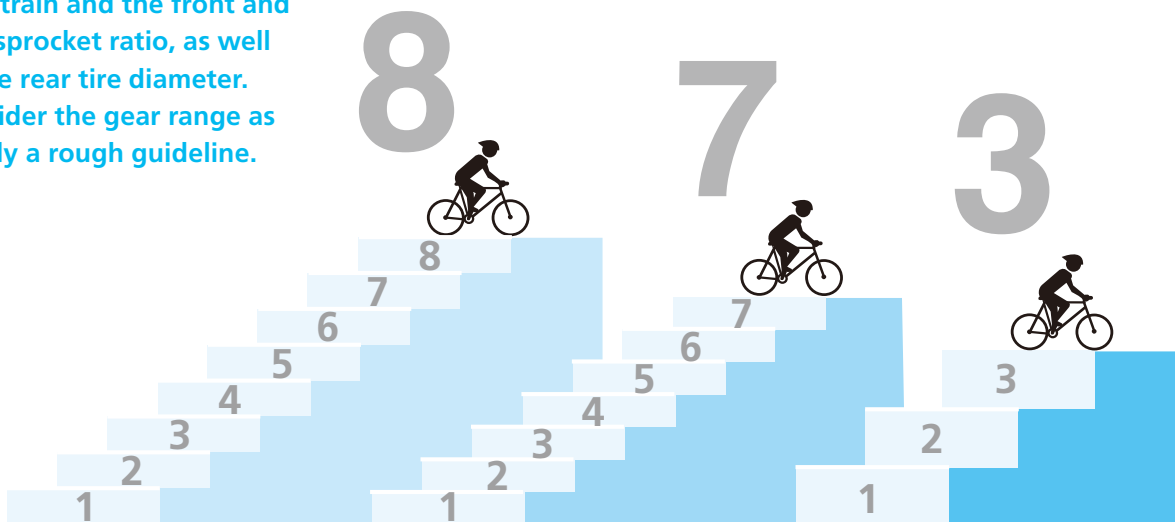
The gear range indicates in percentage the ability to change the heaviness/lightness of pedaling force transmitted to the rear wheel. In the case of 3-speed internal gearing, for example, "186%" means that the drivetrain changes the transmitted pedaling force by 186%. In the case of 8-speed internal gearing, the figure is 307%, and this means easier pedaling when going uphill.

The pedaling load is affected by the gear range of the drivetrain and the front and rear sprocket ratio, as well as the rear tire diameter. Consider the gear range as simply a rough guideline.

**Internal 8-speed:**  
Gear range of 307%

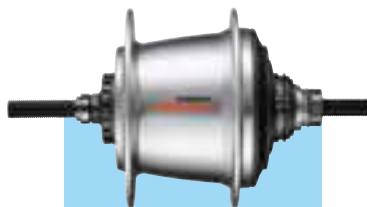
**Internal 7-speed:**  
Gear range of 244%

**Internal 3-speed:**  
Gear range of 186%



**8-speed**

SHIMANO  
**Nexus** INTER 8



**7-speed**

SHIMANO  
**Nexus** INTER 7



**3-speed**

SHIMANO  
**Nexus** INTER 3

# REAR DRIVETRAIN

## SIS Rear Index Shifting



### What is SIS?

**SIS = SHIMANO INDEX SYSTEM** was introduced by SHIMANO in 1984. Each SHIMANO component group features SIS.

SIS features a mechanism inside the shifter. Because of this mechanism you hear a 'click', every time you shift. The shifter and rear derailleur make a synchronised movement.

**1 'Click', 1 Gear**

### SIS, what does it feature?

- **Accurate shifting**  
By using the SHIMANO shifting lever, rear derailleur, multiple freewheel, chain, outer casing and cable guide, you can obtain an accurate, fast and smooth shifting performance.
- **Release cyclists from mis-shift**  
By simply "clicking the shifter" to the next gear, you can keep your eyes on the road. Thus SIS gives a contribution to enjoyable cycling.
- **Optimise bike's performance & cycling performance**  
SIS makes cycling easier and brings shifting performance to a higher level.

## SHIMANO SHADOW RD



The mechanism rear derailleur, SHIMANO SHADOW RD, is intended for more aggressive riding. Its super low profile design carries many benefits. Because of its low profile and single tension construction, the derailleur does not hit the chain stay in rough riding conditions. The result is smooth and silent performance.

**Equipped: SHIMANO ALIVIO/ACERA**

### Low profile design (Top gear position)



Conventional



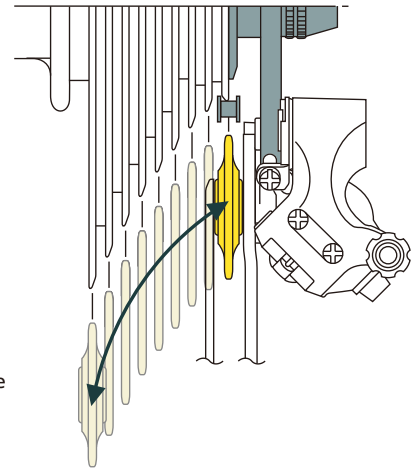
SHIMANO SHADOW RD (RD-M4000/M3000)

**-12 mm**



## Double Servo

SHIMANO's Double Servo-Panta Mechanism enables the rear derailleur to move in an optimum path. The guide pulley tracks the cogs closely while moving front to back, optimizing each shift. Perfect tracking contributes to the most accurate SIS shifting.



Keeps rear derailleur guide pulley an optimum distance from each sprocket.

## Slant Pantograph Mechanism

The shifting operation moves the guide pulley to the top of the teeth with a high degree of accuracy. The Slant Pantograph Mechanism, which was created by SHIMANO's advanced technology, provides accurate and reliable shifting.

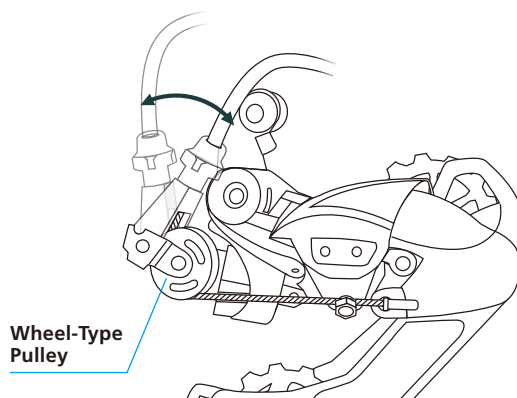
## Wheel-Type Pulley

TOURNEY rear derailleurs use a rotating cable guide pulley that reduces cable friction. The result is a lighter and more responsive shifting action and reduces chance of outer cable bending when hooked obstacles.

**Equipped: RD-TY500**



Wheel-Type Pulley



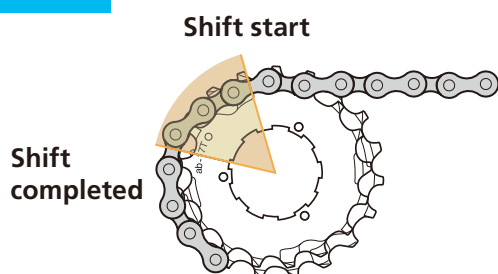
Wheel-Type Pulley

# REAR DRIVETRAIN

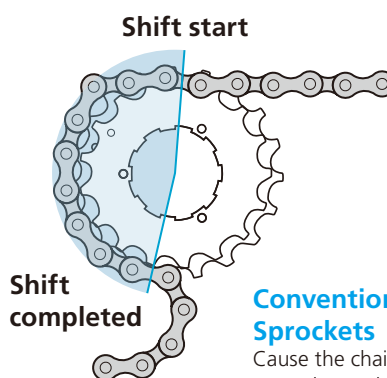
## HYPERGLIDE Sprockets



The distinctively designed HYPERGLIDE sprockets incorporate specially positioned shift ramps and tooth profiles for improved chain control during shifting. Fast and responsive indexed shifting is the result.



**HYPERGLIDE Sprockets**  
Guide the chain quickly and directly to the next sprocket without override.



**Conventional Sprockets**  
Cause the chain to ride up and over the gear teeth before engaging the sprocket.

## Integrated Spoke Protector

The multiple freewheels with model numbers with "CP" at the end are designed as spoke protector integrated models. The spoke protector has the eye-catching SHIMANO logo for easy identification.

Example  
MF-TZ500-7 (w/o spoke protector type)  
MF-TZ500-7-CP (w/ spoke protector type)



## MEGARANGE Gearing

34T MEGARANGE sprocket provides super-low gearing that lets you pedal up the steepest grades with ease.



**MEGARANGE**

# BRAKE SYSTEM

Light operating force, high stopping performance, or stability under bad weather or on unpaved roads...  
 What do you want most from your brakes?

SHIMANO brakes can be roughly divided by four types: a disc brake, V-BRAKE, caliper brake and roller brake. Each one has its own advantages. You can enjoy comfortable riding by selecting the brakes according to your usage.

## Line-up of brakes by category

← OFF-ROAD	TRAIL/ROAD CONDITION		ON-ROAD →
			
Disc Brake	V-BRAKE	Roller Brake	Caliper Brake

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# BRAKE SYSTEM

Excellent stopping performance even under bad weather and on unpaved roads. High reliability even under harsh conditions.

## Disc Brake

A disc brake system provides stopping force by sandwiching the disc brake rotor attached to the hub with the caliper. The basic mechanism is the same as those on automobiles and motorcycles. This brake system is characterized by stable braking performance unaffected by weather conditions. It is the mainstream brake system on MTBs, and increased numbers of trekking bikes and road bikes are now installed with disc brake systems.



### Hydraulic Disc Brake

- Using mineral oil to transmit the power which enable stable performance and require less maintenance than cable type
- Pad clearance automatically adjusted according to disc brake rotor wear out
- The basic mechanism is the same as those on automobiles and motor cycles
- Mainstream brake system used on competition MTB's

#### Line-up



### Mechanical Disc Brake

- Using cable to transmit the power (Similar to V-BRAKE)
- Experience disc brake performance at affordable cost

#### Line-up



### Mineral oil

Some oil products used for hydraulic disc brakes on automobiles damage paint if they get on the paint surface. SHIMANO uses mineral-based oil in its hydraulic disc brake fluid to minimize such problems.



Lightweight and high performance on unpaved roads.  
Recommended for trekking bikes

## V-BRAKE

This is a type of rim brake that uses a caliper to apply frictional force to the brake surface of the rim to generate stopping force. The V-BRAKE offers high braking performance and is lightweight. It used to be the mainstream brake system for MTBs. The V-BRAKE is suitable for not only MTBs but also trekking bikes.



### Line-up

- SHIMANO **ALIVIO**
- SHIMANO **ACERA**
- SHIMANO **TourneyTX**
- SHIMANO **SORA**
- SHIMANO **Claris**

### POWER MODULATOR for the V-BRAKE

Useful Information  
**TIPS**

This product is installed to the outer cable receiving section of the V-BRAKE. It reduces braking force when it is too strong. When the braking force is too strong, some of that force is used to further contract the compressed spring, thus reducing the excessive braking force and helping to prevent front tire lock-up. (Different modulator sizes are available to fit BAA.)



SM-PM40



SM-PM70

For V-BRAKE (MTB/Trekking use)



SM-PM50

For mechanical disc brake (city use)



SM-PM60

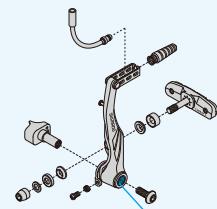
For V-BRAKE (city use)

No dependence on the cantilever mounting base on the frame.

### Sleeve structure

All SHIMANO V-BRAKE products have a built-in circular sleeve (pipe-like part) at the section that contacts the cantilever mounting base on the frame. Since the parts move on the circular sleeve without depending on the mounting base on the frame, it is easy to adjust the spring balance of the left and right arms.

Useful Information  
**TIPS**



Sleeve (circular pipe-like part)

Lightweight and compact. For road bikes.  
High reliability for on-road use

## Caliper Brake

This is a type of rim brake that uses a caliper to apply frictional force to the brake surface of the rim to generate stopping force. This system is lightweight and compact. It's the mainstream brake system for road bikes. This brake system is well suited to narrow tires, it may not be used with wide tires. It is recommended for people who want to enjoy sporty on-road cycling.



### Line-up

- SHIMANO **SORA**
- SHIMANO **Claris**

### CAUTION

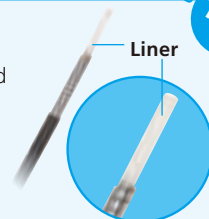
SHIMANO offers two types of on-road caliper brakes: NEW SUPER SLR and SUPER SLR. Check the brake lever that it is to be used with in advance.



### Brake cable liner

A resin tube called a "liner" is installed at the section where the brake cable contacts the inner wire for ensuring smooth braking operation.

Useful Information  
**TIPS**



Maintenance-free, and the rim stays clean.  
Brake system for city riding

## Roller Brake

The entire brake is covered so it resists the adverse effects of mud and rain. It provides stable braking power even on rainy days. It is almost maintenance-free for easy use. This brake system is suitable for city riding.



### Line-up

- SHIMANO **Nexus INTER 10**
- SHIMANO **Nexus INTER 7**
- SHIMANO **Nexus INTER 3**

#### BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

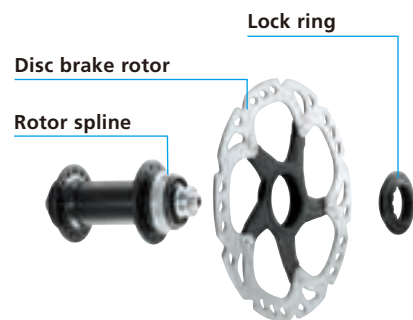
TOURNEY A070 SHIMANO A050

# BRAKE SYSTEM

## CENTER LOCK System



The CENTER LOCK system makes an easy disc brake rotor installation possible with spline mount and a lock ring. The lock ring mounting system reduces the total working hours by shortening the amount of time of both installation and de-installation. In addition, the secure fixing by the spline mount enhances precision and rigidity while improving braking efficiency.

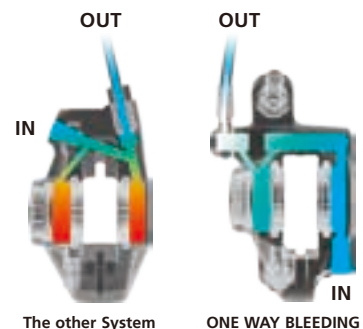


## ONE WAY BLEEDING



ONE WAY BLEEDING

“ONE WAY BLEEDING” was developed for quick and easy prevention of air in our hydraulic system. We have streamlined the oil route throughout the system to prevent air bubbles from being captured in the system. One way oil routing plus a funnel tool with mineral oil provides an easy and clean bleeding system.



## Funnel Bleeding

The SHIMANO funnel is designed to act as a temporary extended reservoir to catch and hold brake oil as it is purged from the brake system. It saves the hassle of removing the reservoir cap and the rubber diaphragm to assist with a quicker and cleaner bleed process.



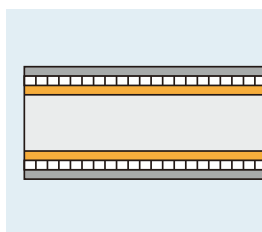
## NEW SUPER SLR



SLR stands for SHIMANO Linear Response. The NEW SUPER SLR design makes use of a friction-reducing mechanism in the caliper, lever and cable that improve response and modulation.

Also for the lever, the SERVO WAVE mechanism is adopted to provide quick contact of shoe to rim and longer stroke from the initial braking effect for better control. SLR is the essential factor in the SHIMANO Dual-Pivot Caliper that deliver more braking power than conventional side-pulls.

**Equipped: TIAGRA/SORA/CLARIS**



Outer casing with liner



SLR system realizes the reduction of friction in the caliper, lever and cable.

## Roller Brake

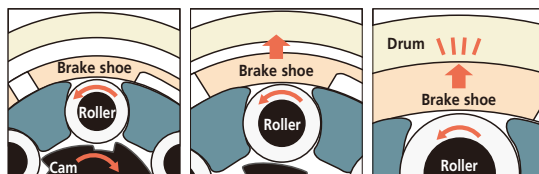
SHIMANO Multi-Condition Roller Brake use a precision cam-and-roller design that delivers strong yet easily controllable braking power. Large disc-type radial cooling fins keep temperatures down, eliminate fade, and extend service life of the lubricant. Sealing channels keep out dirt and water to assure safe and dependable braking performance in wet or dry conditions.

**Equipped: NEXUS/TOURNEY**

### Multi-Purpose Roller Brake

With the adoption of a V-shaped brake shoe and larger cooling fins, the braking force is closer to that of a mechanical disc brake. The V-shaped brake shoes increase braking power while the large fin raises heat dissipation efficiency that allows it to brake longer and harder without fading. These upgrades make the Roller Brake more suitable for a wider variety of bicycles.

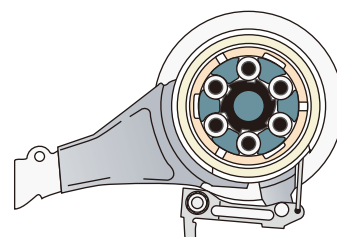
**Equipped: BR-IM86-F/IM81/BR-C6000**



Cam and roller rotate when brake is applied.

Brake shoe moves up to drum while roller is rotating.

Brake shoe contacts drum to begin braking.



#### BICYCLOPEDIA

MTB  
TREKKING  
URBAN  
ROAD  
PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

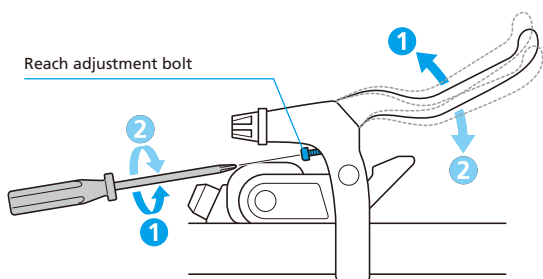
TOURNEY A070 SHIMANO A050

# BRAKE SYSTEM

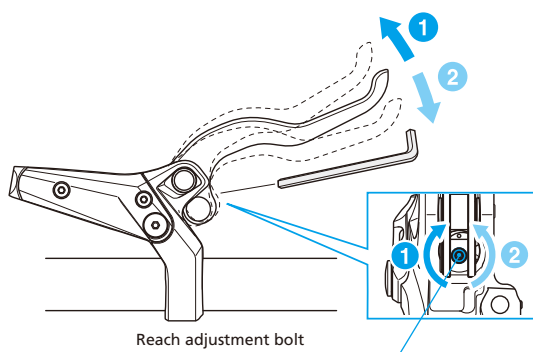
## Reach Adjust

Brake lever is equipped with a Reach Adjust mechanism. The distance from handlebar grip to lever can be adjusted to suit any hand size, type of riding and individual rider preferences.

### Mountain Bike

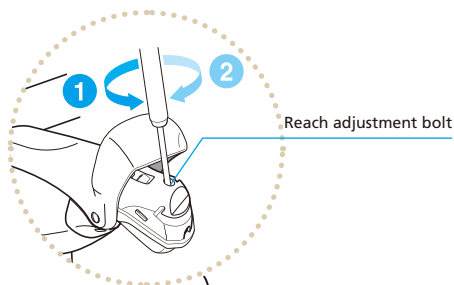


Turn the reach adjustment bolt to adjust the lever distance from handlebar grip.

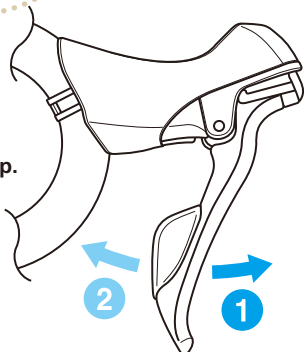


Turn the reach adjustment bolt to adjust the lever distance from handlebar grip.

### Road Bike



Turn the reach adjustment bolt to adjust the lever distance from handlebar grip.

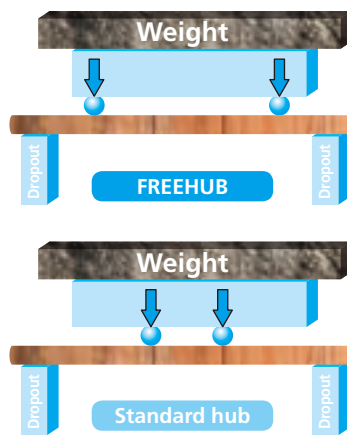




# FRONT HUB REAR FREEHUB SYSTEM

## For light and smooth bicycle running

Hubs are essential parts of a bicycle for smooth running. SHIMANO hubs incorporate original technologies to offer “stress-free” riding.

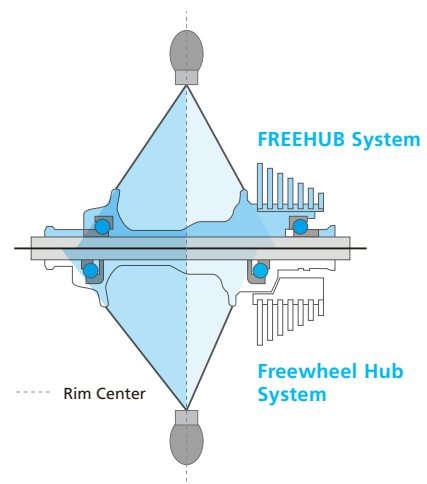


\*The positional relationship of the hub is exaggerated in the illustration.

The SHIMANO FREEHUB design allows the right side hub bearing to be positioned closer to the right dropout where the axle is supported. This greatly reduces the load on the axle and just about eliminates bent axles. FREEHUB also allows for more uniform spoke tensioning which results in a stronger, longer-lasting wheel.

## Which shaft can break more easily?

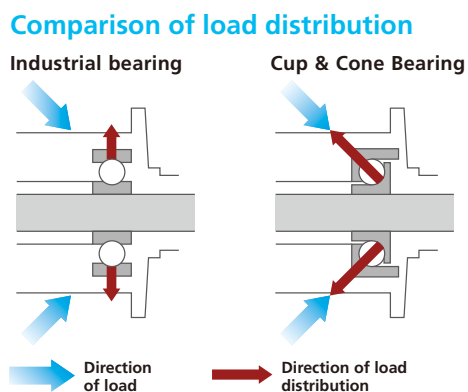
It is rather obvious that the one receiving the load at the locations near the shaft supporting sections is less likely to break. The hub shaft can receive strong impacts when the bicycle rides over the edges of a sidewalk even in city riding. Therefore, almost all full-fledged sports bicycles are provided with high-strength FH/FREEHUB cassette sprockets.



# FRONT HUB REAR FREEHUB SYSTEM

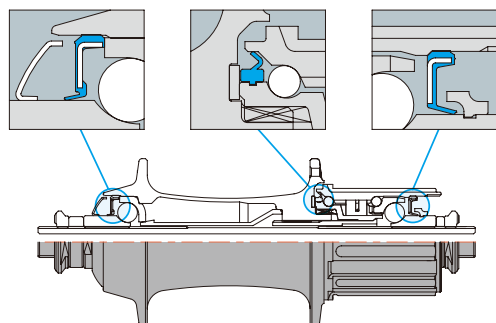
## Cup & Cone Bearing

Angular contact bearings of the Cup & Cone type offer greater strength than sealed cartridge industrial bearings due their ability to displace lateral and vertical loads more effectively for super smooth rotation and longer durability. Angular contact bearings also allow easier maintenance, adjustability and serviceability.



## Labyrinth & contact seal (Road)

Specifically designed seals inside the hub shut out mud, dust, dirt and moisture and protect the bearing mechanisms, realizing low maintenance as well as longer service life. This maintains the original performance for a longer period of time under unfavorable environmental conditions.



# PEDAL SYSTEM

## SHIMANO PEDALING DYNAMICS



### On/off the bike / Walk in comfort

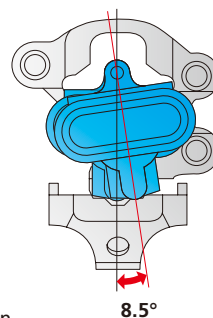
SHIMANO invented SPD to meet the needs of a growing frontier lifestyle called MTB. By eliminating toe-clips and integrating the pedal and outsole into a single, unified power transfer system, SHIMANO changed the industry. SPD is a system that performs whether you're on or off the bike. It makes pedaling more efficient with a wide variety of shoe and pedal styles and the recess cleat makes walking more comfortable. You can pedal with greater efficiency, stability and comfort with the SPD system.



## SHIMANO CLICK'R



SHIMANO CLICK'R is the pedal concept aimed at the newcomer to step-in pedals. Compared to conventional flat pedals or toe clips, step-in pedals offer a far more efficient system for transferring power from your legs to the bike. SHIMANO CLICK'R pedals let you ride farther, faster, and longer with less fatigue. Not only that, you also get more stability and control of the bike. So say goodbye to your old energy-sapping shoes and step up to—and into—a smoother ride.



- Lighter spring for lighter step-in/out
- Step-in force > 60% less than SPD
- Step-out force > 62% less than SPD (minimum spring position)

- Pop-up cage for easier step-in
  - Prevent unintentional release
  - Step out angle
- SPD: 13° SHIMANO CLICK'R: 8.5°  
Smaller step-out angle for quick step-out

## SHIMANO PEDALING DYNAMICS SL



### PRO's to YOU

Born of the Pro Tour demand for optimal power and endurance, the low-profile pedal technology has expanded to a wide range of cyclists, including competitors at all levels, sport, club and recreational riders. SPD-SL is a road pedal platform systematically engineered with SHIMANO footwear to transfer more power from your body to your bike.

### Power transfer efficiency

SPD-SL is the road specific refinement of the system. This pedal platform was designed specifically for the needs of world-class road racers. The seamless pedal and cleat interface for a more efficient power transfer under the extreme pedaling loads encountered in race competitions.



BICYCLOPEDIA

- MTB
- TREKKING
- URBAN
- ROAD
- PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SYSTEM COMPONENTS

## RIDING STYLE MAP

								
			ENDURANCE	SPORTS/FITNESS	URBAN SPORT	CITY	TREKKING	CROSS COUNTRY/ MARATHON
MTB	SHIMANO <b>ALIVIO</b>	M3100 ▶ 29						■■■■
	SHIMANO <b>ACERA</b>	M3000 ▶ 31						■■■■
	SHIMANO <b>ALTUS</b>	M2000 ▶ 33						■■■■
	SHIMANO <b>Tourney TZX</b>	TX800 ▶ 43						■■■■
	SHIMANO <b>Tourney</b>	TY700/ TY500 ▶ 46						■■■■
	SHIMANO <b>Tourney</b>	TX50/ TX30 ▶ 51						■■■■
	SHIMANO <b>Tourney TZX</b>	TZ500 ▶ 53						■■■■
TREKKING	SHIMANO <b>ALIVIO</b>	T4000 ▶ 64					■■■■	
	SHIMANO <b>ACERA</b>	T3000 ▶ 67					■■■■	
URBAN	SHIMANO <b>Nexus</b>	INTER 1 ▶ 69			■■■■	■■■■		
	SHIMANO <b>Nexus</b>	INTER 2 ▶ 72			■■■■	■■■■		
	SHIMANO <b>Nexus</b>	INTER 3 ▶ 73				■■■■		
ROAD	SHIMANO <b>SORA</b>	R3000 ▶ 79	■■■■	■■■■				
	SHIMANO <b>CLARIS</b>	R2000 ▶ 82	■■■■	■■■■				
	SHIMANO <b>Tourney A070</b>	A070 ▶ 85		■■■■				

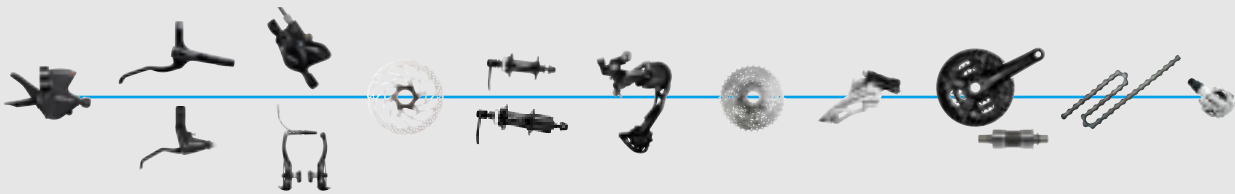
# SHIMANO ALIVIO

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

## ❖ MAJOR BENEFITS

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

## ❖ 3/2x9-speed



### 3x9-speed [Hydraulic disc brake]

<b>N</b> SL-M3100	BL-MT200 BL-MT201 SM-BH59-SS	BR-MT200	SM-RT30 SM-RT10 SM-RT26	HB-RM35 FH-RM35 HB-M475 FH-M475	<b>N</b> RD-M3100	CS-HG200-9 CS-HG201-9 CS-HG400-9	<b>N</b> FD-M3100	FC-MT210-3 FC-MT101 BB-MT500 <b>N</b> BB-UN300 <b>N</b> BB-UN101	CN-HG53	PD-M520 PD-M324
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### 3x9-speed [V-BRAKE]

<b>N</b> SL-M3100	BL-T4000 BL-T4010	BR-T4000		HB-T3000 FH-T3000
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### 2x9-speed

<b>N</b> SL-M3100	BL-MT200 BL-MT201 SM-BH59-SS	BR-MT200	SM-RT30 SM-RT10 SM-RT26	HB-RM35 FH-RM35 HB-M475 FH-M475	<b>N</b> RD-M3100	CS-HG200-9 CS-HG201-9 CS-HG400-9	<b>N</b> FD-M3120	FC-MT210-2/B2 FC-MT101-2/B2 BB-MT500 <b>N</b> BB-UN300 <b>N</b> BB-UN101	CN-HG53	PD-M520 PD-M324
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**N** New model

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



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



SL-M3100-R  
RAPIDFIRE PLUS Optical Gear Display



SL-M3100-L  
Optical Gear Display  
RAPIDFIRE PLUS



SL-M3100-2L  
Optical Gear Display  
RAPIDFIRE PLUS MONO



FD-M3120-D  
SIDE SWING Front Derailleur



FD-M3120-E  
SIDE SWING Front Derailleur



FD-M3120-M  
SIDE SWING Front Derailleur



FD-M3100-M  
SIDE SWING Front Derailleur



RD-M3100-SGS  
SHIMANO SHADOW RD

NEW

### SL-M3100-R

RAPIDFIRE PLUS Shifting Lever

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

NEW

### SL-M3100-2L/L

RAPIDFIRE PLUS Shifting Lever

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

NEW

### FD-M3120-D/E/M

SIDE SWING Front Derailleur

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

NEW

### FD-M3100-M

SIDE SWING Front Derailleur

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

NEW

### RD-M3100-SGS

SHIMANO SHADOW RD

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

# SHIMANO ACERA 9-speed

## ADVENTURE AWAITS

Fresh: Aggressive crankset exterior and dedicated MTB features.

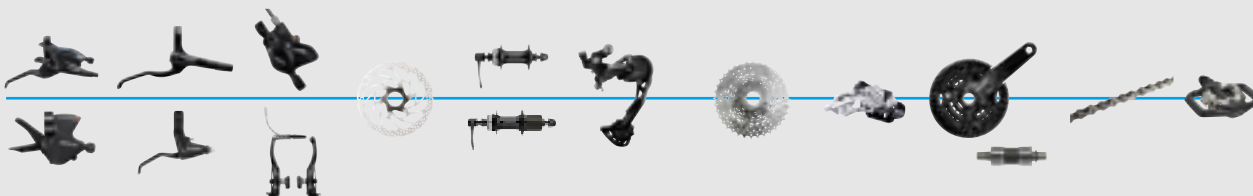
Exciting: Quick and easy shifts with great power transfer and solid braking performance.

Rugged: Tough anti-rust components that handle the rigors of teenager trail riding and continue to perform with minimal maintenance.

### ❖ MAJOR BENEFITS

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

### ❖ 3/2x9-speed



#### 3x9-speed [Hydraulic disc brake]

<b>N</b> SL-M3100 ST-EF505	BL-MT200 BL-MT201 SM-BH59-SS	BR-MT200	SM-RT30 SM-RT10 SM-RT26	HB-M3050 FH-M3050 HB-M475 FH-M475	<b>N</b> RD-M3100	CS-HG400-9	FD-M2000 FD-M3000 FD-T3000	FC-MT200 FC-MT210-3 FC-T3010	CN-HG53	<b>N</b> PD-ME700 PD-M520 PD-M505 PD-M324
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#### 3x9-speed [V-BRAKE]

<b>N</b> SL-M3100 ST-EF505	BL-T4000 BL-T4010	BR-T4000	HB-T3000 FH-T3000
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#### 2x9-speed

SL-M3000 SL-M3010	BL-MT200 BL-MT201 SM-BH59-SS	BR-MT200	SM-RT30 SM-RT10 SM-RT26	HB-M3050 FH-M3050 HB-M475 FH-M475	<b>N</b> RD-M3100	CS-HG400-9	<b>N</b> FD-M3120	FC-MT210-2/B2 BB-MT500	CN-HG53	<b>N</b> PD-ME700 PD-M520 PD-M505
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**N** New model

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



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070  
SHIMANO A050

SHIMANO  
**ACERA** 9-speed



SL-M3000  
 Optical Gear Display

**SL-M3000**

RAPIDFIRE PLUS Shift Lever (3x9-speed)

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



SL-M3010  
 Optical Gear Display

**SL-M3010**

RAPIDFIRE PLUS Shifting Lever (2x9-speed)

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



FD-M3000  


**FD-M3000-TS6**

TOP SWING Front Derailleur (3x9-speed)

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



HB-M3050  


**HB-M3050**

Front Hub for Disc Brake



FH-M3050  


**FH-M3050**

Rear FREEHUB for Disc Brake

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



# SHIMANO ALTUS 9-speed

## ENJOY STRESS FREE LONG RIDING

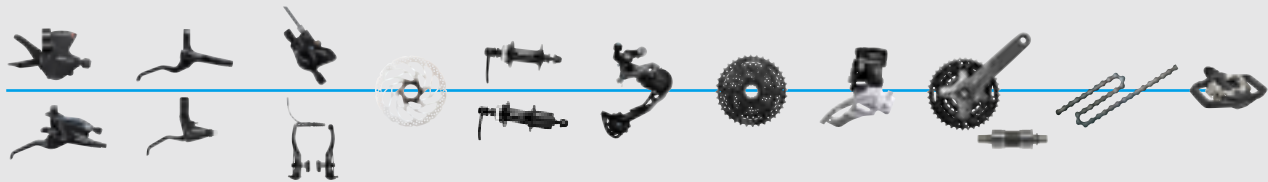
Control bike as you wish!

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

### ❖ MAJOR BENEFITS

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

### ❖ 3/2x9-speed



#### 3x9-speed [Hydraulic disc brake]

SL-M2010	BL-MT201 BL-MT200	BR-MT200 BR-UR300	SM-RT30 SM-RT10 SM-RT26	HB-RM35 FH-RM35	RD-M2000 RD-M370	CS-HG200-9 CS-HG201-9	FD-M2000 FD-M370 FD-M371	FC-M2000 FC-MT101 FC-M371 FC-MT210-3	CN-HG53	<b>N</b> PD-ME700 PD-M520 PD-M505 PD-M324
	SM-BH59-JK-SS							<b>N</b> BB-UN300 <b>N</b> BB-UN101 BB-MT500		

#### 3x9-speed [Mechanical disc brake]

SL-M2010	BL-T4000 BL-T4010	BR-M375
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#### 3x9-speed [V-BRAKE]

SL-M2010	BL-T4000 BL-T4010	BR-T4000	HB-T3000 FH-T3000
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#### 2x9-speed [Hydraulic disc brake]

SL-M2010	BL-MT201 BL-MT200	BR-MT200	SM-RT30 SM-RT10 SM-RT26	HB-MT400/-B FH-MT400/-B HB-MT200 FH-MT200-B HB-RM35 FH-RM35 HB-M475 FH-M475	RD-M2000 RD-M370	CS-HG200-9 CS-HG201-9	FD-M2020 <b>N</b> FD-M3120	FC-MT101-2/B2
ST-EF505	SM-BH59-JK-SS							<b>N</b> BB-UN300 <b>N</b> BB-UN101

#### 2x9-speed [Mechanical disc brake]

SL-M2010	BL-T4000 BL-T4010	BR-M375
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#### 2x9-speed [V-BRAKE]

SL-M2010	BL-T4000 BL-T4010	BR-T4000	HB-T3000 FH-T3000
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**N** New model

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



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070  
SHIMANO A050



ST-EF505-L  
OPTISLICK  
Optical Gear  
Display

### ST-EF505-L

EZ FIRE PLUS Shifting/Brake Lever Set (Triple)

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



ST-EF505-9R  
OPTISLICK  
Optical Gear  
Display

### ST-EF505-9

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

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



ST-EF505-2L  
Optical Gear  
Display

### ST-EF505-2L

EZ FIRE PLUS Shifter with Hydraulic Disc Brake (2x9/8/7-speed)

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



FD-M2000-TS3



FD-M2000-DS3



FD-M2000-TS6



FD-M2000-DS6



FD-M370



FD-M371



FD-M2020-TS



FC-M2000



## FD-M2000

Front Derailleur (3x9-speed)

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

## FD-M370-3/6

TOP SWING Front Derailleur (3x9-speed)

## FD-M371-3/6

Down Swing Front Derailleur (3x9-speed)

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

## FD-M2020-TS

TOP SWING Front Derailleur (2x9-speed)

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

## FC-M2000

Crankset (3x9-speed)

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

SHIMANO  
**ALTUS** 9-speed



FC-M371



FC-M371



BB-UN101



BB-UN300



RD-M2000



RD-M370-SGS



RD-M370-SGS



### FC-M371

Crankset (3x9-speed)

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

NEW

### 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

NEW

### BB-UN300

Square Type Bottom Bracket

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

### RD-M2000

SHIMANO SHADOW RD (9-speed)

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

### RD-M370-SGS

Rear Derailleur (9-speed)

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

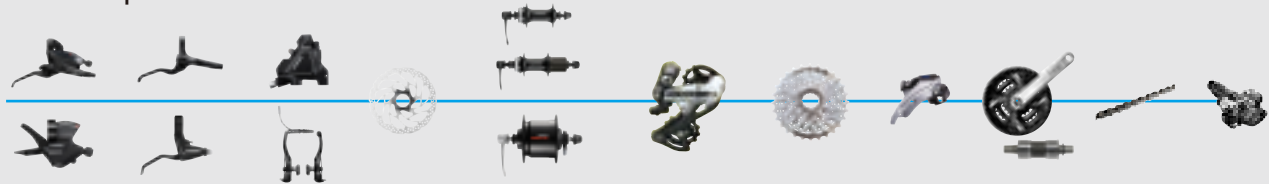
# SHIMANO *Acera* **ALTUS** 8/7-speed

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

## ❖ MAJOR BENEFITS

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

## ❖ 3/2x8/7-speed



### 3x8-speed [Hydraulic disc brake]

SL-M315	BL-MT201	BR-MT200	SM-RT30	HB-M3050	RD-M360	CS-HG51-8	FD-M310	FC-TX801	CN-HG71	PD-M520
ST-EF505	BL-MT200	BR-UR300		FH-M3050	RD-M310	CS-HG41-8	FD-M313	BB-UN300	CN-HG40	PD-M505
	SM-BH59-JK-SS			HB-RM35		CS-HG31-8		BB-UN101		PD-M324
				FH-RM35						PD-ME700
				DH-C3000-3N-NT/QR						
				DH-C3000-2N-NT/QR						
				DH-C3000-1N						
				DH-T4050-1D						
				DH-T4000-1N						

### 3x8-speed [Mechanical disc brake]

SL-M315	BL-T4000	BR-M375
ST-EF500	BL-T4010	

### 3x8-speed [V-BRAKE]

SL-M315	BL-T4000	BR-T4000	HB-T3000
ST-EF500	BL-T4010		FH-T3000
			DH-C3000-3N-NT/QR
			DH-C3000-2N-NT/QR
			DH-C3000-1N
			DH-T4050-1D
			DH-T4000-1N

### 3x7-speed [Hydraulic disc brake]

SL-M315	BL-MT201	BR-MT200	SM-RT30	HB-TX505	RD-M360	CS-HG41-7	FD-M310	FC-TX801	CN-HG40
SL-RS45	BL-MT200		SM-RT10	FH-TY505-7	RD-M310	CS-HG200-7	FD-M313	BB-UN300	
ST-EF505	SM-BH59-JK-SS			DH-C3000-3N-NT/QR		MF-TZ500-7		BB-UN101	
				DH-C3000-2N-NT/QR					
				DH-C3000-1N					
				DH-T4000-1N					

### 3x7-speed [Mechanical disc brake]

SL-M315	BL-T4000	BR-M375
SL-RS45	BL-T4010	
ST-EF500		

### 3x7-speed [V-BRAKE]

SL-M315	BL-T4000	BR-T4000	HB-TX500-QR/NT
SL-RS45	BL-T4010		FH-TY500-7-QR/NT
ST-EF500			DH-C3000-3N-NT/QR
			DH-C3000-2N-NT/QR
			DH-C3000-1N
			DH-T4000-1N

### 2x8-speed [Hydraulic disc brake]

SL-M315	BL-MT201	BR-MT200	SM-RT30	HB-RS470	RD-M360	CS-HG200-8	FD-TY710	FC-TY501-2	CN-HG71
ST-EF505	BL-MT200		SM-RT10	FH-RS470	RD-M310	CS-HG51-8	FD-M315	FC-M315-2/B2	CN-HG40
	SM-BH59-JK-SS		SM-RT26	HB-MT400-B		CS-HG41-8		BB-UN300	
				FH-MT400-B		CS-HG31-8		BB-UN101	
				HB-MT200					
				FH-MT200-B					
				HB-RM35					
				FH-RM35					
				HB-M475					
				FH-M475					

### 2x8-speed [Mechanical disc brake]

SL-M315	BL-T4000	BR-M375
ST-EF500-2L2A	BL-T4010	
ST-EF500-8R		

### 2x8-speed [V-BRAKE]

SL-M315	BL-T4000	BR-T4000	HB-T3000
ST-EF500-2L2A	BL-T4010		FH-T3000
ST-EF500-8R			

**N** New model

>>> [https://productinfo.shimano.com/#/lc/acera\\_altus](https://productinfo.shimano.com/#/lc/acera_altus)



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO *Acera* ALTUS 8/7-speed

## 2x7-speed [Hydraulic disc brake]

SL-M315	BL-MT201 BL-MT200	BR-MT200	SM-RT30 SM-RT10	HB-TX505 FH-TY505-7	RD-M360 RD-M310	CS-HG200-7 CS-HG41-7 MF-TZ500-7	FD-TY710 FD-M315	FC-TY501-2 FC-M315-2	CN-HG40
ST-EF505	SM-BH59-JK-SS						<span>N</span> BB-UN300 <span>N</span> BB-UN101		

## 2x7-speed [Mechanical disc brake]

SL-M315	BL-T4000 BL-T4010	BR-M375
<span>N</span> ST-EF500-2L2A ST-EF500-7R		

## 2x7-speed [V-BRAKE]

SL-M315	BL-T4000 BL-T4010	BR-T4000	HB-TX500-QR/NT FH-TY500-7-QR/NT
<span>N</span> ST-EF500-2L2A ST-EF500-7R			

N New model

>>> [https://productinfo.shimano.com/#/lc/acera\\_altus](https://productinfo.shimano.com/#/lc/acera_altus)



### 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-EF505-8

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-EF505-7R

Optical Gear Display



SL-M315-7R

SIS INDEX Optical Gear Display



ST-M310-8R2

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
    - EZ FIRE PLUS

### ST-EF505-7R

EZ FIRE PLUS Shift with Hydraulic Disc Brake (2/3x7-speed)

- **Easy setup, simple control and stable brake performance for regular riders**
  - » Funnel bleeding for easier maintenance
  - » Clean cable routing
  - » Same braking power as the MT200 kit
- **OPTISLICK steel cable for a lighter operating force and better compatibility with the internal cable frame**
  - » Reasonable price as compared with the mechanical disc-brake combination
- **Best balance of brake lever/shifting lever operation**
- **Integrates smoothly with 3-finger alloy hydraulic BL for an overall increase in ergonomics and total system design**
  - » 3 finger alloy brake lever comfortable for ordinary riders
  - » Clear shift response and light action shifting performance
    - EZ FIRE PLUS

### SL-M315-7R

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

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

### ST-M310-8R2

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

### ST-M310-L2

RAPIDFIRE PLUS Shift/Brake Lever set (Triple)

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



FD-M310



### FD-M310-3/6

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

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



FD-M313



### FD-M313-3/6

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

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



FD-TY710-2-TS3



### FD-TY710-2-TS3

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

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



FD-M315-TS



### FD-M315-TS

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

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





FC-TY501-2



FC-M315-2



FC-M315-B2



BB-UN101



BB-UN300

## FC-TY501-2

Crankset (2x8/7-speed)

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

## FC-M315-2

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

NEW

## 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

NEW

## 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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



RD-M360-SGS



RD-M310-Smart



CS-HG51-8



CS-HG41-8



CS-HG31-8



CN-HG71



FH-TY505-7



### RD-M360-SGS

Top Normal Rear Derailleur (8/7-speed)

### RD-M310-Smart

Top Normal Rear Derailleur (8/7-speed)

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

### CS-HG51-8

HG Cassette Sprocket (8-speed)

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

### CS-HG41-8

HG Cassette Sprocket (8-speed)

### CS-HG31-8

HG Cassette Sprocket (8-speed)

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

### CN-HG71

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 *TourneyTX*

## ESSENTIAL SPORT EXCITEMENT

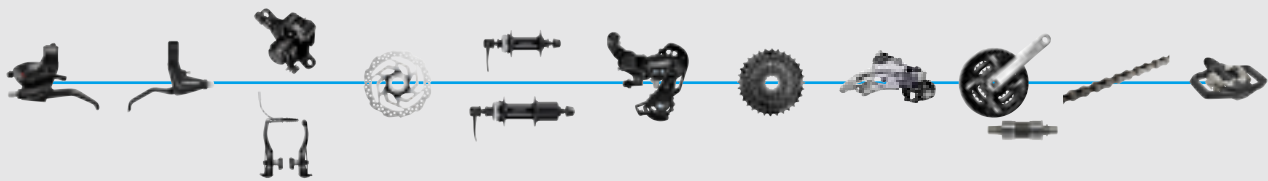
TOURNEY TX is a basic component set for entry sports bikes and riders.

Ride free with your sports bike, and feel free, away from your daily life and enjoy the trouble free and stable performance for a long time.

### ❖ MAJOR BENEFITS

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

### ❖ 3x8-speed



#### Mechanical disc brake

ST-TX800	BL-T4000 BL-T4010	BR-TX805	SM-RT10	HB-TX505 FH-TX505-8	RD-TX800	C5-HG200-8	FD-TX800	FC-TX801 BB-UN300 BB-UN101	CN-HG71 CN-HG40	PD-ME700 PD-M520 PD-M505 PD-M324
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#### V-BRAKE

ST-TX800	BL-T4000 BL-T4010	BR-T4000	HB-TX500-QR/NT FH-TX500-8-QR/NT
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**N** New model

>>> [https://productinfo.shimano.com/#/lc/tourney\\_tx](https://productinfo.shimano.com/#/lc/tourney_tx)



ST-TX800



ST-TX800



### 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



FD-TX800



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

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TOURNEY A070 SHIMANO A050



FC-TX801



FC-TX801



BB-UN300



BB-UN101



RD-TX800



RD-TX800



## FC-TX801

Crankset (3x8-speed)

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

**NEW**

## 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

**NEW**

## BB-UN101

Square Type Bottom Bracket

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

## RD-TX800

Rear Derailleur (8-speed)

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



CS-HG200-8



BR-TX805



HB-TX506



FH-TX506



HB-TX505



FH-TX505-8



HB-TX500



FH-TX500-8

## CS-HG200-8

HG Cassette Sprocket (8-speed)

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

## BR-TX805

Disc Brake Caliper

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

NEW

## 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

NEW

## FH-TX506

Hubs for 6-bolt Disc Brake

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

## HB-TX505

Front Hub for Disc Brake

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

## FH-TX505-8

Rear FREEHUB for Disc Brake

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

## HB-TX500

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

- Front hub and rear FREEHUB for rim-brake bikes

## FH-TX500-8

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

- Front hub and rear FREEHUB for rim-brake bikes

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

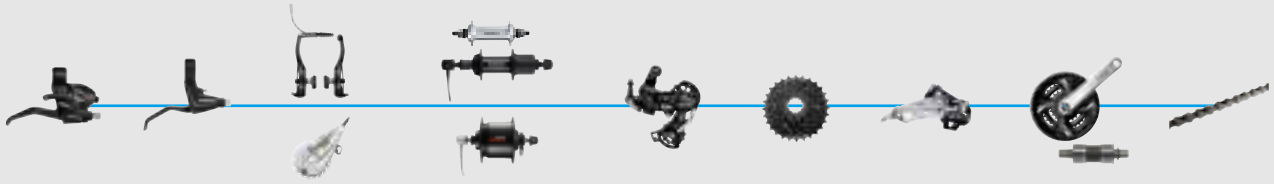
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TOURNEY A070 SHIMANO A050

# SHIMANO Tourney

## ❖ 3x7/6-speed



### 3x7-speed [V-BRAKE]

SL-RS36 SL-RS35 N SL-RV200 SL-RS45 SL-TX50 ST-EF41	BL-T4000 BL-T4010 BL-C6010	BR-T4000	HB-TX500-QR/NT FH-TY500-7-QR/NT DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N	RD-TY500 N RD-TY200 RD-TY300	CS-HG200-7 N MF-TZ510-7 MF-TZ500-7	FD-TY710 FD-TY510 FD-TY700 FD-TY500 FD-TY300	FC-TX801 FC-TY501 FC-TY301 N BB-UN300 N BB-UN101	CN-HG40
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### 3x7-speed [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-RS45 SL-TX50 ST-EF41	BL-T4000 BL-T4010 BL-C6010	BR-C3000-DX BR-C3000	HB-IM40 FH-IM20-7 RH-IM10 DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N
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### 3x6-speed [V-BRAKE]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 ST-EF41	BL-T4000 BL-T4010 BL-C6010	BR-T4000	DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N	N RD-TY200 RD-TY500 RD-TY300 RD-TZ500 RD-TY21-B	N MF-TZ510-6 MF-TZ500-6	FD-TY510 FD-TY500 FD-TY300
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### 3x6-speed [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 ST-EF41	BL-T4000 BL-T4010 BL-C6010	BR-C3000-DX BR-C3000	HB-IM40 RH-IM10 DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N
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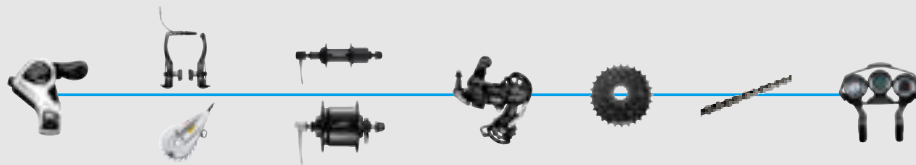
N New model

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



# SHIMANO Tourney

## ❖ 1x7/6-speed



### 1x7-speed [V-BRAKE]

SL-RS36 SL-RS35 N SL-RV200 SL-RS45 SL-FT55 SL-TX50 SL-TX30 SL-TZ500	BR-T4000	HB-TX500-QR/NT FH-TY500-7-QR/NT	RD-TY500 RD-TY300 N RD-TY200	CS-HG200-7 N MF-TZ510-7 MF-TZ500-7	CN-HG40	SM-CI300 SM-CI301
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### 1x7-speed [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-RS45 SL-FT55 SL-TX50 SL-TX30 SL-TZ500	BR-C3000-DX BR-C3000	HB-IM40 FH-IM20-7 RH-IM10	DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N
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### 1x6-speed [V-BRAKE]

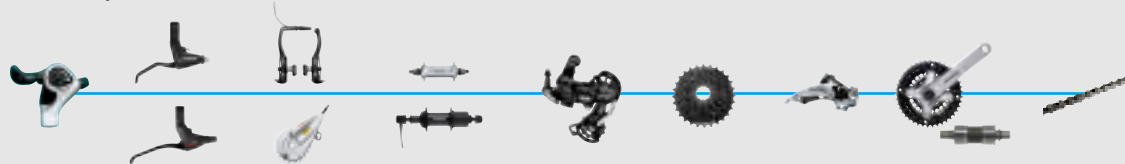
SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BR-T4000	DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N	N RD-TY200 RD-TY500 RD-TY300 RD-TY21-B RD-TZ500	N MF-TZ510-6 MF-TZ500-6
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### 1x6-speed [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BR-C3000-DX BR-C3000	HB-IM40 RH-IM10	DH-C3000-3N-QR/NT DH-C6000-3R-NT DH-C3000-2N-QR/NT DH-C6000-2R DH-T4000-1N DH-C6000-1R DH-C3000-1N
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# SHIMANO Tourney TZ

## ❖ 3x7/6-speed friction



### 3x7-speed friction [V-BRAKE]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BL-T4000 BL-T4010	BR-T4000	HB-TX500-QR/NT FH-TY500-7-QR/NT	N RD-TY200 RD-TY500 RD-TY300	CS-HG200-7 N MF-TZ510-7 MF-TZ500-7	FD-TY500 FD-TZ500 FD-TY301 FD-TY510 FD-TZ510	FC-TY501 FC-TY301 FC-TX801	N BB-UN300 N BB-UN101	CN-HG40
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### 3x7-speed friction [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BL-C6010	BR-C3000-DX BR-C3000	HB-IM40 FH-IM20-7 RH-IM10 RH-IM11T
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### 3x6-speed friction [V-BRAKE]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BL-T4000 BL-T4010	BR-T4000	N RD-TY200 RD-TY500 RD-TY300 RD-TY21-B RD-TZ500	N MF-TZ510-6 MF-TZ500-6
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### 3x6-speed friction [Roller brake]

SL-RS36 SL-RS35 N SL-RV200 SL-TX50 SL-TX30 SL-TZ500	BL-C6010	BR-C3000-DX BR-C3000	HB-IM40 RH-IM10 RH-IM11T
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N New model

>>> [https://productinfo.shimano.com/#/lc/tourney\\_tz](https://productinfo.shimano.com/#/lc/tourney_tz)



BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



**NEW**

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

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

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

**Index 48-38-28T compatible**

**FD-TY710-TS3/TS6**

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

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

**Index 42-34-24T compatible**

**FD-TY700-TS3/TS6**

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

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

**Index 48-38-28T compatible**

**FD-TY510-TS3/TS6**

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

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





FD-TY500-TS6



FD-TY300-DS6



FC-TY501



FC-TY501



FC-TY501



BB-UN101



FC-TY301



BB-UN300

## Index 42-34-24T compatible

### FD-TY500-TS3/TS6

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

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

## Index 42-34-24T compatible

### FD-TY300-DS6

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

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

### FC-TY501

Crankset (3x8/7/6-speed)

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

## NEW

### 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**

## NEW

### 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**

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



RD-TY500  
SIS INDEX



RD-TY300  
SIS INDEX



RD-TY200-GS  
SIS INDEX



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**

**NEW**

## 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 Sprocket (7-speed)

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

## FH-TY500-7

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  
SIS INDEX Optical Gear Display



SL-TX50-L  
DUAL SIS INDEX Optical Gear Display



SL-TX50-7R  
SIS INDEX Optical Gear Display



SL-RS45-7R  
SIS INDEX



SL-RS35-L  
DUAL SIS INDEX

## DUAL SIS Shift Lever

### 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

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

REVOSHIFT Shifter (3x8/7-speed)

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

### SL-RS36-7R/L

REVOSHIFT Shifter (3x7-speed)

- Planetary gears for light operation
- Optimized grip diameter/light shifting operation suitable for small hand riders (around 25% lighter operation vs. SL-RS35)
- 7-speed easy gear changing with REVOSHIFT shifter
- OPTICAL GEAR DISPLAY
- CI-DECK gear indicator compatible
- Right: 7-speed, left: friction/SIS

### SL-RS35-7R/6R/L

REVOSHIFT Shifter (3x7/6-speed)

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



SL-TX50-LN



SL-FT55-7R  
SIS INDEX



SL-TX30-7R  
SIS INDEX



SL-TX30-LN



SL-TX30-6R  
SIS INDEX



RD-TY200-SS  
SIS INDEX



RD-TY21-B-SS  
SIS INDEX



RD-TY21-B-GS  
SIS INDEX



CN-HG40



HB-IM40



FH-IM20



RH-IM10

## Rear SIS Shift Lever

### SL-TX50-7R/6R/LN

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

### SL-FT55-7R

Thumb Shifter Plus (7-speed)

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

### SL-TX30-7R/6R/LN

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

### SL-RS36-7R

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

### SL-RS35-7R/6R/LN

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

**NEW**

### RD-TY200-SS

Rear Derailleur

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

### RD-TY21-B-SS/GS

Rear Derailleur (6-speed)

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

### CN-HG40

HG Chain

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

### HB-IM40

Front Hub

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

### FH-IM20

Rear FREEHUB for roller brake

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

### RH-IM10/IM11

Steel Rear Hub

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



SL-TZ500-7R



SL-TZ500-6R



SL-TZ500-LN



FD-TZ500-DS6



FD-TZ510-DS6



RD-TZ500-GS

## 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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



MF-TZ510-7-CP  
Front view  
MEGARANGE



MF-TZ510-7  
MEGARANGE



MF-TZ500-7  
MEGARANGE



MF-TZ500-7-CP  
Back view



MF-TZ500-7-CP  
Front view  
MEGARANGE



MF-TZ510-6-CP  
Front view



MF-TZ510-6



MF-TZ500-6



MF-TZ500-6-CP  
Back view



MF-TZ500-6-CP  
Front view

## 7-speed

NEW

### 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

NEW

### 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

# SHIMANO Series



ST-EF505-9R



ST-EF505-L



FC-MT210-3



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



FC-MT210-2



BB-MT500

For 9-speed

## ST-EF505-9

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

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

## FC-MT210-3

2-PIECE CRANKSET

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

## FC-MT210-2/B2

2-PIECE CRANKSET

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

## BB-MT500

Threaded BB Type Bottom Bracket

- Better sealing and rotation, same as SM-BB52

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

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Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO Series

For 9-speed



FC-MT101

## FC-MT101

Crankset (3x9-speed)

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



FC-MT101-2

## FC-MT101-2

Crankset (2x9-speed)

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



FC-MT101-B2

## FC-MT101-B2

Crankset (2x9-speed)

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



CS-HG400-9



CS-HG400-9



## CS-HG400-9

HG Cassette Sprocket (9-speed)

- Close gear steps between primary sprockets creates smooth, comfortable pedaling
  - » 11-36T specification addition to 11-25T, 11-28T, 11-32T, 11-34T, 12-36T specs (11-25T, 11-28T not for RD-M3100)
  - HYPERGLIDE technology
- Lightweight design
- Quick and easy assembly with cassette sprocket cap
- Gear combination: 11-25T, 11-28T, 11-32T, 11-34T, 11-36T, 12-36T



CS-HG201-9



CS-HG201-9



## CS-HG201-9

HG Cassette Sprocket (9-speed)

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



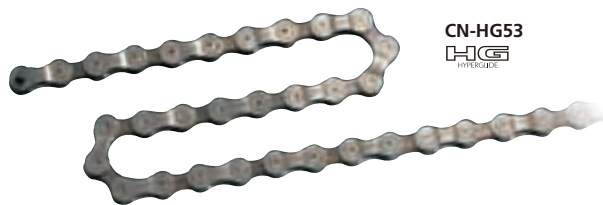
## For 9-speed



### CS-HG200-9

#### HG Cassette Sprocket (9-speed)

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



### CN-HG53

#### Super Narrow HG Chain (9-speed)

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



ST-EF505



ST-EF500-8R2A



ST-EF500-L2A



ST-EF500-7R2A

## 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

## For 8/7-speed

### ST-EF500-8R2A/8R4A

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

### ST-EF500-7R2A/7R4A

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

### ST-EF500-L2A/L4A

#### EZ FIRE PLUS Shift/Brake Lever Set (Triple)

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO Series



ST-EF500-2L



CS-HG41-7



CS-HG200-7



BL-MT501

*I-spec II*



BR-MT500



BR-MT520



## For 8/7-speed

**NEW**

### ST-EF500-2L

EZ FIRE PLUS Shifting/Brake Lever

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

## For 7-speed

### CS-HG41-7

HG Cassette Sprocket (7-speed)

- HYPERGLIDE technology
- Gear combination: 11-28T

### CS-HG200-7

Cassette Sprocket (7-speed)

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

## Hydraulic Disc Brakes

### BL-MT501

Hydraulic Disc Brake Lever

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

### BR-MT500

Hydraulic Disc Brake Caliper

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

### BR-MT520

Hydraulic Disc Brake Caliper

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

## Hydraulic Disc Brakes



BL-MT402-3A



BL-MT402-3A



BR-MT420



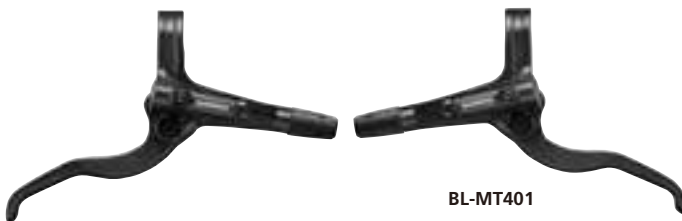
ONE WAY BLEEDING



BR-MT400



ONE WAY BLEEDING



BL-MT401



BR-UR300



ONE WAY BLEEDING



BR-UR300



ONE WAY BLEEDING

### BL-MT402-3A

#### Hydraulic Disc Brake Lever

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

### BR-MT420

#### 4-piston Hydraulic Disc Brake

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

### BR-MT400

#### Hydraulic Disc Brake Caliper

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

### BL-MT401

#### Hydraulic Disc Brake Lever

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

### BR-UR300

#### Hydraulic Disc Brake Caliper

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

BICYCLOPEDIA

MTB

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ACERA 9-speed

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ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

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SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO Series



## Hydraulic Disc Brakes

### BL-MT200

Hydraulic Disc Brake Lever

### BL-MT201

Hydraulic Disc Brake Lever

### BR-MT200

Hydraulic Disc Brake Caliper

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

## Mechanical Disc Brakes

### BR-M375

Disc Brake Caliper

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

## CENTER LOCK Disc Brake Rotors

### SM-RT64

CENTER LOCK Disc Brake Rotor

- **CENTER LOCK rotor mount**
- **Metal pad compatible**
- **Consistent braking performance**
- **Size: 160, 180, 203 mm**

### SM-RT54

CENTER LOCK Disc Brake Rotor

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

### SM-RT30

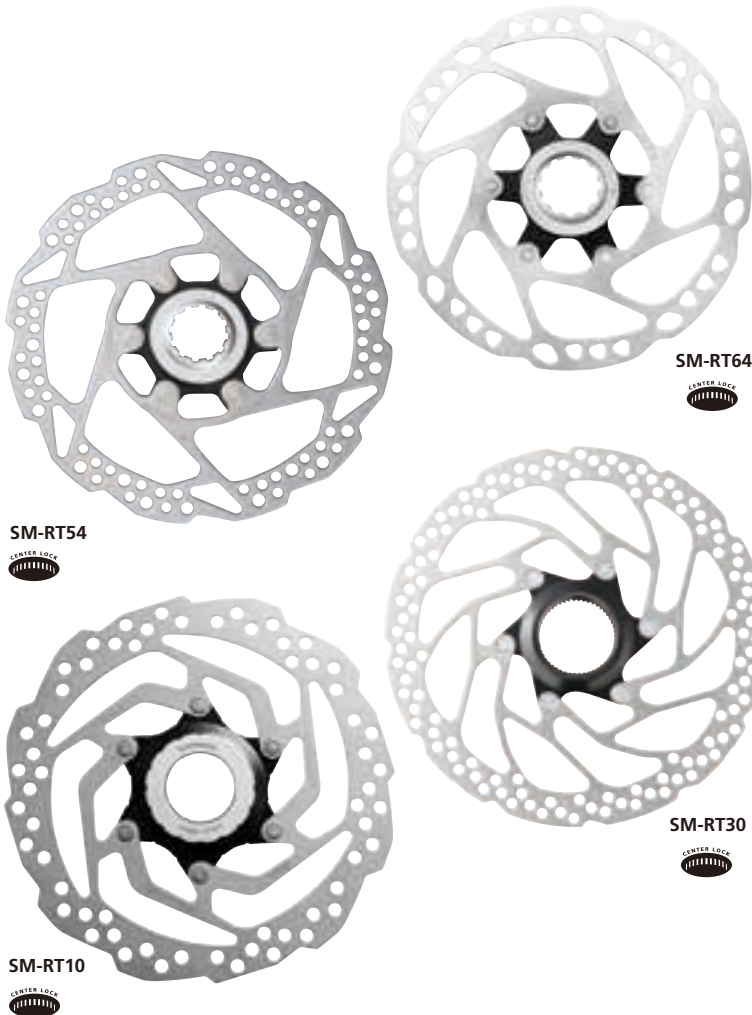
CENTER LOCK Disc Brake Rotor

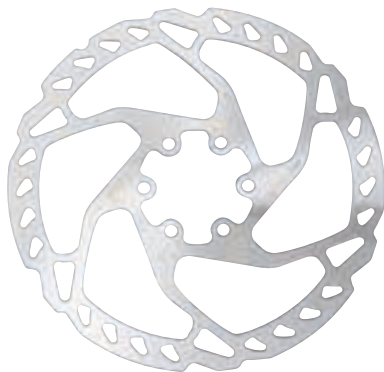
- **Easy set-up and adjustment**
- **Fast/quick assemble feature**
  - » CENTER LOCK
- **Designed for resin pad only**
- **160 mm, 180 mm, 203 mm**

### SM-RT10

CENTER LOCK Disc Brake Rotor

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

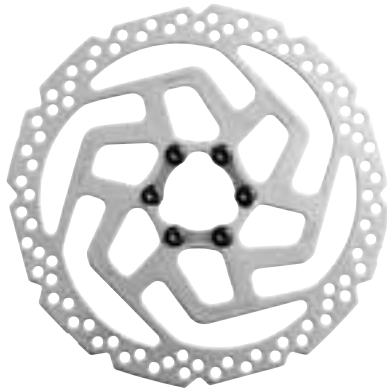




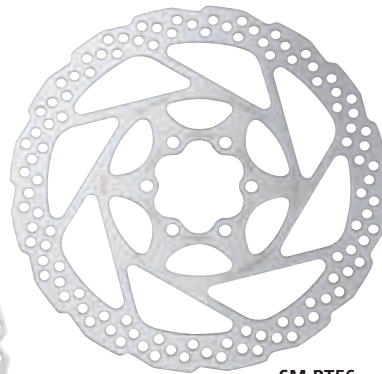
SM-RT66



SM-RT76



SM-RT26



SM-RT56



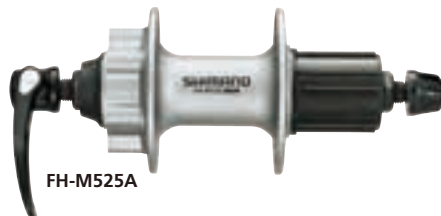
HB-M756



FH-M756



HB-M525A



FH-M525A

## 6-Bolt Disc Brake Rotors

### SM-RT76

6-Bolt Disc Brake Rotor

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

### SM-RT66

6-Bolt Disc Brake Rotor

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

### SM-RT56

6-Bolt Disc Brake Rotor

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

### SM-RT26

6-Bolt Disc Brake Rotor

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

## 6-Bolt Disc Brake Rotor Mount

SHIMANO **Deore XT**

### M750 series

#### HB-M756

Front Hub for Disc Brake

#### FH-M756

Rear FREEHUB for Disc Brake

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

#### HB-M525A

Front Hub for Disc Brake

#### FH-M525A

Rear FREEHUB for Disc Brake

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

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Shifting System

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Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

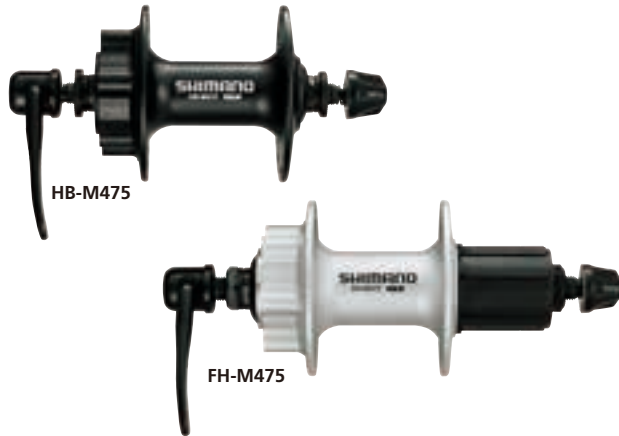
Hub Dynamo

SORA

CLARIS

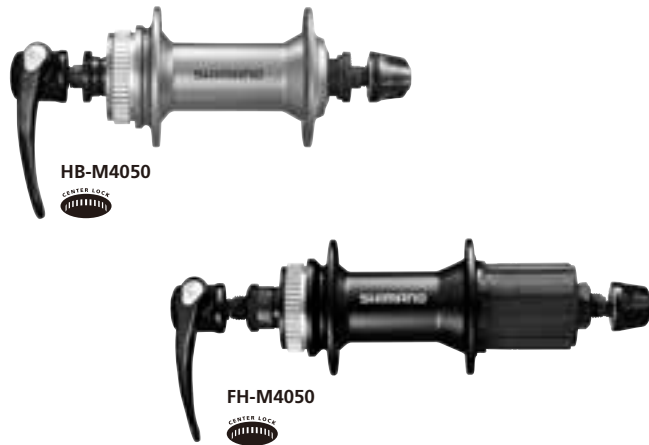
TOURNEY A070 SHIMANO A050

# SHIMANO Series



HB-M475

FH-M475



HB-M4050

FH-M4050



HB-MT400

FH-MT400

## 6-Bolt Disc Brake Rotor Mount

### HB-M475

Front Hub for Disc Brake

### FH-M475

Rear FREEHUB for Disc Brake

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

## CENTER LOCK Disc Brake Rotor Mount

### HB-M4050

Front Hub for Disc Brake

### FH-M4050

Rear FREEHUB for Disc Brake

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

### HB-MT400

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

### FH-MT400

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

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

## CENTER LOCK Disc Brake Rotor Mount



HB-MT400-B



FH-MT400-B



HB-MT200



FH-MT200-B



HB-RM35



FH-RM35



FH-TY500-7

### HB-MT400-B

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

### FH-MT400-B

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

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

### HB-MT200

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

### FH-MT200-B

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

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

### HB-RM35

Front Hub for Disc Brake

### FH-RM35

Rear FREEHUB for Disc Brake

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

## For Rim Brake

### FH-TY500-7

FREEHUB for Rim Brake (7-speed)

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO ALIVIO For Trekking Bikes

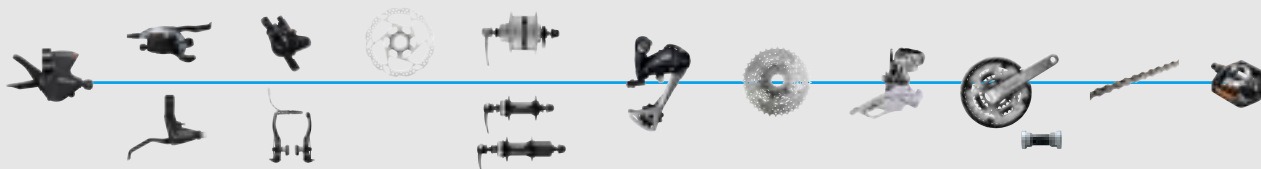
## SILENT, SLIM/SMOOTH, DURABLE/CLEAN

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

### ❖ MAJOR BENEFITS

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

### ❖ 3x9-speed



#### Hydraulic disc brake

<b>N</b> SL-M3100	BL-MT402-3A SM-BH59-JK-SS SM-BH90-SS	BR-MT400 BR-MT420	SM-RT54	DH-3D37-QR DH-T4050-1D  HB-M4050 FH-M4050	RD-T4000	CS-HG400-9	FD-T3000 FD-M371	FC-T4060 FC-T4010  SM-BB52 BB-MT500-PA BB-ES300	CN-HG53	PD-T421 PD-M324 <b>N</b> PD-ME700
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#### V-BRAKE

<b>N</b> SL-M3100	BL-T4000 BL-T4010	BR-T4000	DH-C3000-3N-QR DH-T4000-1N  HB-T3000 FH-T3000
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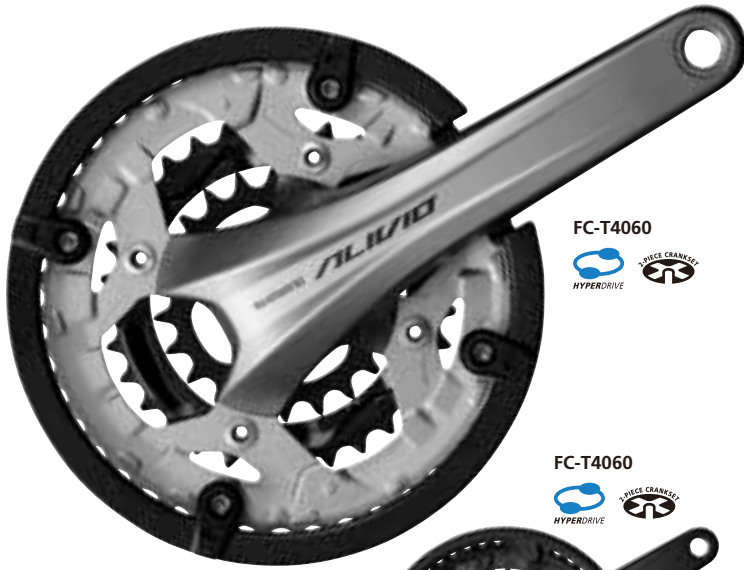
**N** New model

>>> [https://productinfo.shimano.com/#/lc/alivio\\_trekking](https://productinfo.shimano.com/#/lc/alivio_trekking)





# SHIMANO **ALIVIO** For Trekking Bikes



FC-T4060



## FC-T4060

Crankset (3x9-speed)

## SM-BB52

Bottom Bracket

## FC-T4010

OCTALINK Crankset (3x9-speed)

## BB-ES300

OCTALINK Bottom Bracket

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



SM-BB52



FC-T4060



FC-T4010



FC-T4010



BB-ES300



BICYCLOPEDIA

MTB

**TREKKING**

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

**ALIVIO**

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

**SHIMANO**  
**ALIVIO** For Trekking Bikes



RD-T4000

RD-T4000



CS-HG400-9



**RD-T4000**

Rear Derailleur (9-speed)

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

**CS-HG400-9**

HG Cassette Sprocket (9-speed)

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

**BL-T4000**

2-finger Brake Lever

**BL-T4010**

3-finger Brake Lever



BL-T4010

BL-T4000

**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



BR-T4000

BR-T4000

**DH-T4000-1N**

Hub Dynamo

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



DH-T4000-1N

**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



DH-T4050-1D

# SHIMANO ACERA For Trekking Bikes

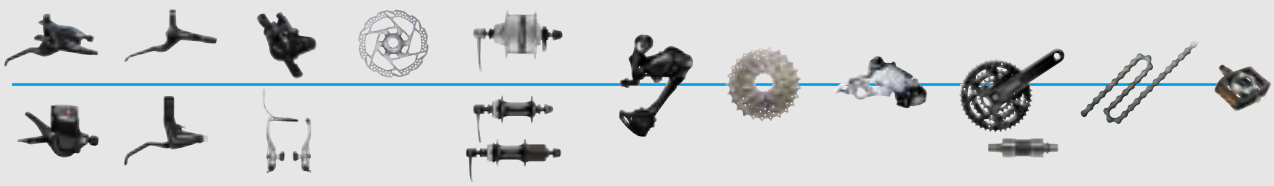
## FREE TO WANDER

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

### ❖ MAJOR BENEFITS

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

### ❖ 3/2x9-speed



#### 3x9-speed [Hydraulic disc brake]

<b>N</b> SL-M3100 SL-M3000 ST-EF505	BL-MT402-3A SM-BH59-JK-SS SM-BH90-SS	BR-MT400 BR-MT420	SM-RT54	DH-3D37-QR HB-M3050 FH-M3050	RD-T3000	CS-HG400-9	FD-T3000	FC-T3010 <b>N</b> BB-UN300 <b>N</b> BB-UN101	CN-HG53	PD-T421 PD-M324 <b>N</b> PD-ME700
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#### 3x9-speed [V-BRAKE]

<b>N</b> SL-M3100 SL-M3000 ST-EF505	BL-T4000 BL-T4010	BR-T4000	DH-C3000-3N-QR HB-T3000 FH-T3000
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#### 2x9-speed [Hydraulic disc brake]

ST-EF505	BL-MT201 BL-MT200 SM-BH59-JK-SS	BR-MT200	SM-RT30 SM-RT56	HB-RS470 FH-RS470 HB-RM35 FH-RM35 HB-M475 FH-M475	<b>N</b> RD-M3100 RD-T3000	CS-HG200-9 CS-HG201-9	FD-T3000	FC-MT210-2 BB-MT500 BB-MT500-PA
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#### 2x9-speed [Mechanical disc brake]

SL-M3010 SL-M3000	BL-T4000 BL-T4010	BR-M375	SM-RT30 SM-RT56	HB-RS470 FH-RS470 HB-RM35 FH-RM35 HB-M475 FH-M475
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#### 2x9-speed [V-BRAKE]

SL-M3010 SL-M3000	BL-T4000 BL-T4010	BR-T4000	HB-T3000 FH-T3000
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**N** New model

>>> [https://productinfo.shimano.com/#/lc/acera\\_trekking](https://productinfo.shimano.com/#/lc/acera_trekking)



BICYCLOPEDIA

MTB

**TREKKING**

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

**ALIVIO**

ACERA

NEXUS

Hub Dynamo

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TOURNEY A070  
SHIMANO A050



FD-T3000-TS3



FD-T3000-2-TS3



FC-T3010



BB-ES300



RD-T3000-SGS



RD-T3000-SGS



HB-T3000



HB-T3000



FH-T3000



FH-T3000

### FD-T3000-TS3/TS6

TOP SWING Front Derailleur (3x9-speed)

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

### FD-T3000-2-TS3

TOP SWING Front Derailleur (2x9-speed)

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

### FC-T3010

Crankset (3x9-speed) (SHIMANO Logo)

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

### BB-ES300

OCTALINK Bottom Bracket

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

### RD-T3000-SGS

Rear Derailleur (9-speed)

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

### HB-T3000

Front Hub

### FH-T3000

Rear FREEHUB

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

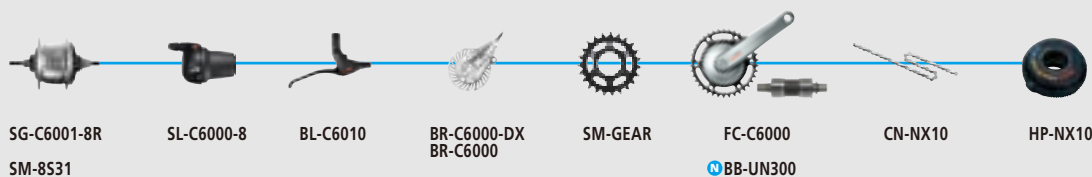
## THE STANDARD IN INTERNAL GEARED HUBS

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

### ❖ MAJOR BENEFITS

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

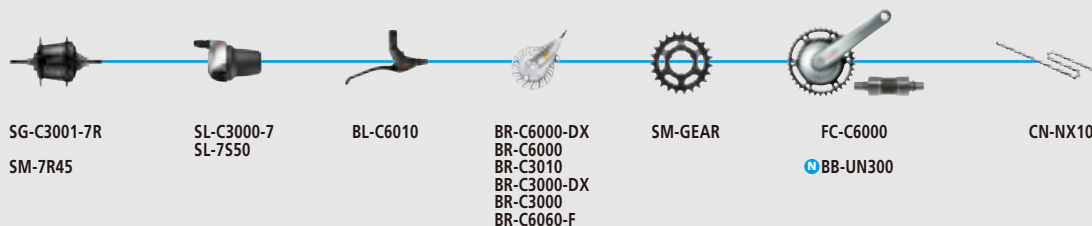
### ❖ INTER-8



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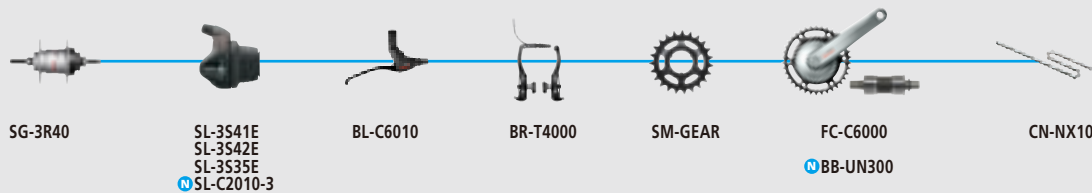
### ❖ INTER-7



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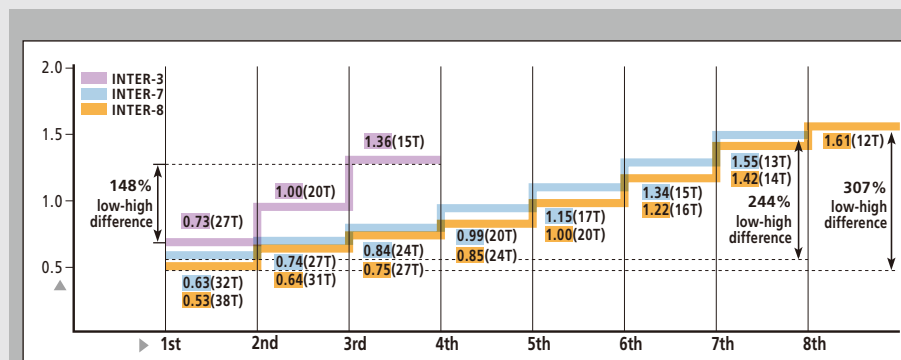


### ❖ INTER-3



**N** New model

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



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

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



#### CAUTION

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



SG-C6001-8D



SG-C6001-8C



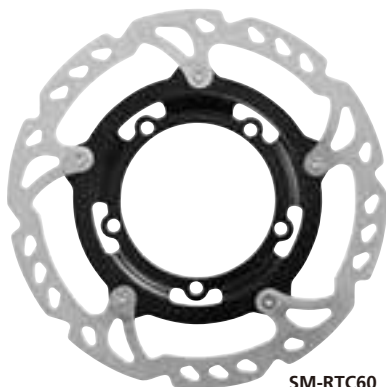
SG-C6001-8R



SG-C6011-8R



SG-C6011-8V



SM-RTC60

**SG-C6001-8D**

Internal Geared Hub for Disc Brake (8-speed)

**SG-C6001-8CD**

Internal Geared Hub for both Coaster and Disc Brake (8-speed)

**SG-C6001-8C**

Internal Geared Hub for Coaster Brake (8-speed)

**SG-C6001-8R**

Internal Geared Hub for Roller Brake (8-speed)

**SG-C6001-8V**

Internal Geared Hub for V-BRAKE (8-speed)

**SG-C6011-8R**

Premium Version Internal Geared Hub for Roller Brake (8-speed)

**SG-C6011-8V**

Premium Version Internal Geared Hub for V-BRAKE (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- **Gear ratio: 307%**
- **Weight:** 1,730 g (SG-C6001-8D)  
 2,090 g (SG-C6001-8CD)  
 2,040 g (SG-C6001-8C)  
 1,710 g (SG-C6001-8R)  
 1,735 g (SG-C6001-8V)  
 1,660 g (SG-C6011-8R)  
 1,685 g (SG-C6011-8V)
- **Color options: Black, Silver**

**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



SG-C6061-8R



SG-C6061-8V



SL-C6000-8



BL-C6010



BL-C6010

## SG-C6061-8D

Internal Geared Hub for Disc Brake (8-speed)

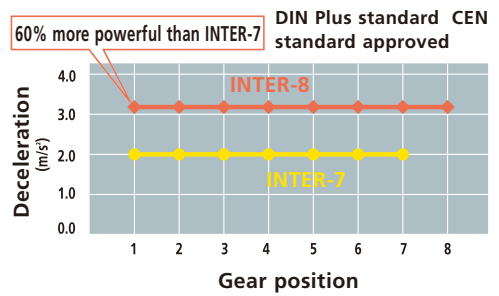
## SG-C6061-8R

Internal Geared Hub for Roller Brake (8-speed)

## SG-C6061-8V

Internal Geared Hub for V-BRAKE (8-speed)

- **Improved overall riding comfortability and efficiency**
  - » Higher shifting performance even under high chain tension induced by E-bike motors
  - » Improvement is suitable for both E-bike and non E-bike use
- Gear ratio: 307%
- Weight: 1,680 g (SG-C6061-8D)  
1,660 g (SG-C6061-8R)  
1,685 g (SG-C6061-8V)
- Color options: Black, Silver



## SL-C6000

REVOSHIFT Shifter (8-speed)

- **Improved overall internal geared hub system efficiency**
  - Upgraded internal structure for a more precise shifting feel
- **New and updated design, complementing the NEXUS series**
- Color options: Black, Silver

## BL-C6010

Brake Lever

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

BICYCLOPEDIA

MTB

TREKKING

**URBAN**

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

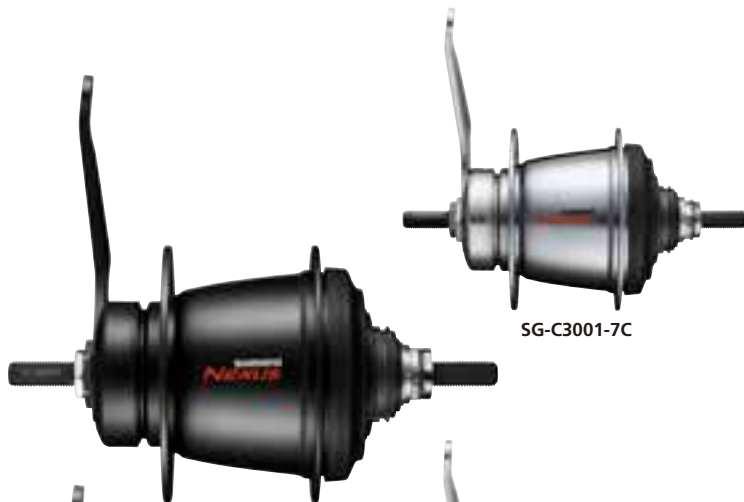
**NEXUS**

Hub Dynamo

SORA

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TOURNEY A070 SHIMANO A050

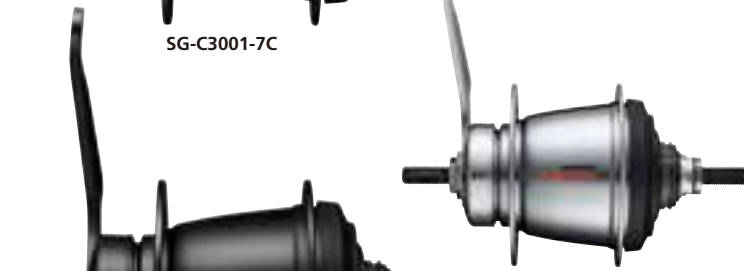


SG-C3001-7C

### SG-C3001-7C

Internal Geared Hub for Coaster Brake (7-speed)

- Improved internal gear engagement that allows for a smoother ride
- New, updated and polished design that complements the bike
  - » Steel hub shell
- Deluxe version (SG-C3001-7C-DX)
- Color options: Black, Silver



SG-C3001-7C

### SG-C3001-7D

Internal Geared Hub for Disc Brake (7-speed)

- Improved internal gear engagement that allows for a smoother ride
- New, updated and polished design that complements the bike
  - » Aluminum hub shell
- Disc version for sportier-styled bikes
  - » Disc brake specification for a greater variety of bikes
    - CENTER LOCK
- Color options: Black, Silver



SG-C3001-7C-DX

### SG-C3001-7R

Internal Geared Hub for Roller Brake (7-speed)

- Improved internal gear engagement that allows for a smoother ride
- New, updated and polished design that complements the bike
  - » Aluminum hub shell
- Color options: Black, Silver



SG-C3001-7D

### SL-7S50

RAPIDFIRE PLUS Shift Lever (7-speed)

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



SG-C3001-7D

### SL-C3000

REVOSHIFT Shifter (7-speed)

- Improved overall internal geared hub system efficiency
  - Upgraded internal structure for a more precise shifting feel
- New and updated design, complementing the NEXUS series
- Color options: Black, Silver



SL-7S50

SL-C3000-7





SG-3R40



Left Hand Dust Cap for use without Roller Brake



SG-3C41



SG-3D55



SG-3D55



SL-C2010-3  
**RAPIDFIRE PLUS** Optical Gear Display



SL-3S41E  
SL-3S42E

### SG-3R40

INTER-3 Rear Hub (3-speed)

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

### SG-3C41

INTER-3 Rear Hub (3-speed)

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

### SG-3D55

INTER-3 Rear Hub (3-speed)

- **Internal geared hub for Disc Brake version**
- **Gear Change Support Mechanism**
- **Aluminum hub shell**
- **CENTER LOCK Rotor mount system**
- **Weight: 945g**
- **Color options: Black, Silver**

### NEW

### SL-C2010-3

SHIMANO NEXUS RAPIDFIRE PLUS Shifting Lever for INTER-3 Hub

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

### SL-3S41E

REVOSHIFT Shifter (3-speed)

### SL-3S42E

REVOSHIFT Shifter (3-speed)

### SL-3S35E

REVOSHIFT Shifter ( 3-speed)

- **Twist shifting action**
  - » Low-effort rotational shift action doesn't depend on finger strength, keeps your hands on the handlebars
- **Optical Gear Display**
- **Full range shift action**
  - » No need to sequentially shift through each gear. Just rotate the grip to the gear you need
- **2 different grip lengths: SL-3S41E (short)**  
SL-3S42E (long)

BICYCLOPEDIA

MTB

TRKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



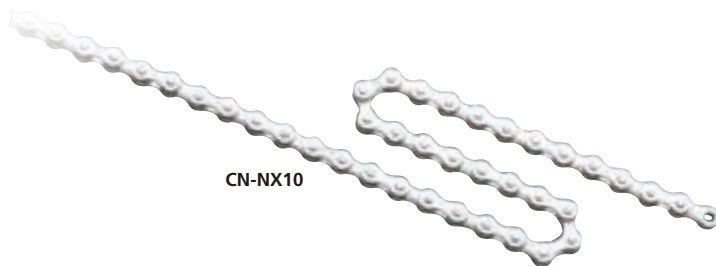
FC-C6000



FC-C6000



BB-UN300



CN-NX10



BR-C6000-F



BR-C6000-R



BR-C6000-F-DX



BR-C6000-R-DX

## FC-C6000

Crankset

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

**NEW**

## BB-UN300

Square Type Bottom Bracket

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

## CN-NX10

Chain

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

## BR-C6000

Hub Roller Brake

- **Improved braking performance under heavy load**
  - » Overachieves EN (130kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010

## BR-C6000-DX

Highly durable hub roller brake designed for share bikes

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



BR-C3010-F



BR-C3010-R



BR-C3000-F



BR-C3000-R



BR-C3000-F-DX



BR-C3000-R-DX



HP-NX10

## BR-C6060-F

Power Modular Integrated Hub Roller Brake for Front Motor

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

## BR-C3010

Hub Roller Brake

- Improved braking performance under heavy load
  - » Overachieves EN (100kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010
  - » Wide diameter rotor expedites heat dissipation

## BR-C3000

Hub Roller Brake

- Improved braking performance under heavy load
  - » Overachieves EN (100kg gross weight) for both front and rear braking
  - » 30% greater braking power for front and 10% more for rear (vs. current model)
    - With new brake lever ratio BL-C6010
  - » Standard heat dissipation

## BR-C3000-DX

Highly durable hub roller brake designed for share bikes

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

## HP-NX10

NEXUS Headset Lock

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

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# 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-3D37-QR

for Disc Brake

### DH-3D32 (QR/NT)

for Disc Brake

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



DH-3D32

3.0W Disc Brake



DH-F703-S

3.0W

### DH-F703-S

Hub Dynamo (6V-3.0W)

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

BICYCLOPEDIA

MTB

TREKKING

**URBAN**

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

**Hub Dynamo**

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# 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

NEW

## DH-UR708-3D

SHIMANO Hub Dynamo 3.0 W for CETNER LOCK Disc Brake

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

## DH-UR700-3D

3.0W for Disc Brake, Quick Release Type

## DH-UR705-3D

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

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

## DH-3N72/DH-3D72

- 6V-3.0W: DH-3N72/3D72
- Lightweight
  - » Aluminum coil structure
- Economical and Ecological
- High quality sealed mechanism (same level as ULTEGRA)
- Hub rotation performance: ULTEGRA grade featuring super polished bearing races
- CENTER LOCK (DH-3D72)
- Quick release

### Overview of terminal

Terminal type	J1	J2	E2
LP			
DH			

J1: Current Japanese market standard (single light cord)

J2: Single/double cord system compatible

E2: Same as current European standard SHIMANO double terminal

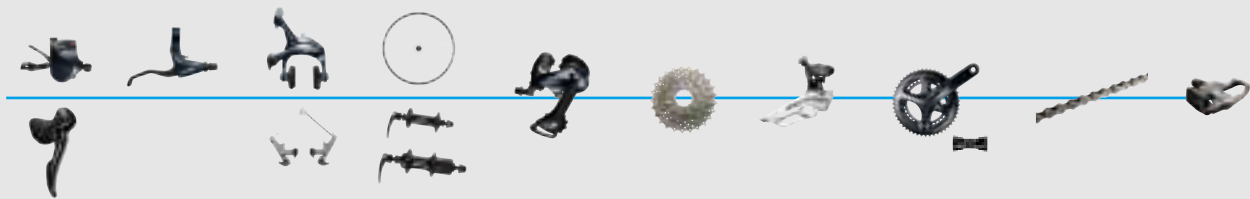
## EMBRACE NEW CHALLENGES

The SORA is most attractive and robust 9-speed component ever. SORA is pitched towards sports/fitness cyclists with stylish and clean design. Now with technology adopted from higher level groupsets, both new starters and enthusiasts will feel comfortable sport riding with the features that 9-speed SORA R3000 introduces.

### ❖ MAJOR BENEFITS

- DUAL CONTROL LEVER with internal cable routing
- Lighter front shifting operation by long arm design front derailleur

### ❖ 3/2x9-speed



#### 3x9-speed [Caliper brake]

SL-R3000 SL-R3030	BL-R3000	BR-R3000	WH-R501 HB-RS300 FH-RS300	RD-R3000	CS-HG400-9 CS-HG50-9	FD-R3030	FC-R3030 BB-RS500	CN-HG53	PD-R550 PD-RS500 PD-EH500 PD-ED500
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#### 3x9-speed [Cantilever brake]

SL-R3000 SL-R3030	BL-R3000	BR-CX50 SM-CB70
ST-R3000 ST-R3030		

#### 3x9-speed [Compact V-BRAKE]

SL-R3000 SL-R3030	BL-R3000	BR-R353
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#### 2x9-speed [Caliper brake]

SL-R3000 ST-R3000	BL-R3000	BR-R3000	WH-R501 HB-RS300 FH-RS300	RD-R3000	CS-HG400-9	FD-R3000	FC-R3000 BB-RS500 BB-RS500-PB
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#### 2x9-speed [Cantilever brake]

SL-R3000 ST-R3000	BL-R3000	BR-CX50 SM-CB70
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#### 2x9-speed [Compact V-BRAKE]

SL-R3000	BL-R3000	BR-R353
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>>> <https://productinfo.shimano.com/#/lc/sora>

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050



ST-R3000  
DUAL CONTROL LEVER (2x9-speed)



ST-R3030  
DUAL CONTROL LEVER (3x9-speed)



SL-R3030  
RAPIDFIRE PLUS Shift Lever (3x9-speed)

SL-R3000  
RAPIDFIRE PLUS Shift Lever (2x9-speed)



FD-R3030-B



FD-R3000-F



FC-R3000  
CRANKSET (2x9-speed)

BB-RS500-PB



FC-R3000-CG  
CRANKSET (2x9-speed)

FC-R3030  
CRANKSET (3x9-speed)

FC-R3030-CG  
CRANKSET (3x9-speed)

**ST-R3000**

DUAL CONTROL LEVER (2x9-speed)

**ST-R3030**

DUAL CONTROL LEVER (3x9-speed)

**SL-R3000**

RAPIDFIRE PLUS Shift Lever (2x9-speed)

**SL-R3030**

RAPIDFIRE PLUS Shift Lever (3x9-speed)

- Clean cockpit area
- Compatible with standard 9-speed rear derailleurs
  - » SHIMANO STI (DUAL CONTROL LEVER) with internal cable routing
  - OPTISLICK cable

**FD-R3000-B/F**

Front Derailleur (2x9-speed)

- Lighter front shifting operation
  - » Long arm design
- With skid plate
- Chain stay angle: 61-66°
- Total capacity: 16T

**FD-R3030-B/F**

Front Derailleur (3x9-speed)

- Compatible with wider ratio gear combination
- Chain stay angle: 63-66°
- Total capacity: 20T

**FC-R3000**

Crankset (2x9-speed)

**FC-R3030**

Crankset (3x9-speed)

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

**BB-RS500**

Bottom Bracket

**BB-RS500-PB**

Press-Fit Type Bottom Bracket

- Long-lasting performance
  - New seal construction





RD-R3000-SS



RD-R3000-GS



CS-HG400-9  
HYPERGLIDE



BL-R3000  
SHIMANO SLX  
ADVANCED SLIM DESIGN  
ALUMINUM BRAKE LEVER



BR-R3000  
SHIMANO SLX  
ADVANCED SLIM DESIGN  
ALUMINUM BRAKE CALIPER



HB-RS300



FH-RS300

## RD-R3000-SS/GS

Rear Derailleur (9-speed)

- Wide gear range
  - » 11-34T Cassette Sprocket available (GS required)
- Total capacity: 37T (SS), 43T (GS)

## CS-HG400-9

HG Cassette Sprocket (9-speed)

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

## BL-R3000

Brake Lever

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

## BR-R3000

Dual-Pivot Brake Caliper

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

## HB-RS300

Front Hub

## FH-RS300

Rear FREEHUB

- Color options: Black, Silver

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

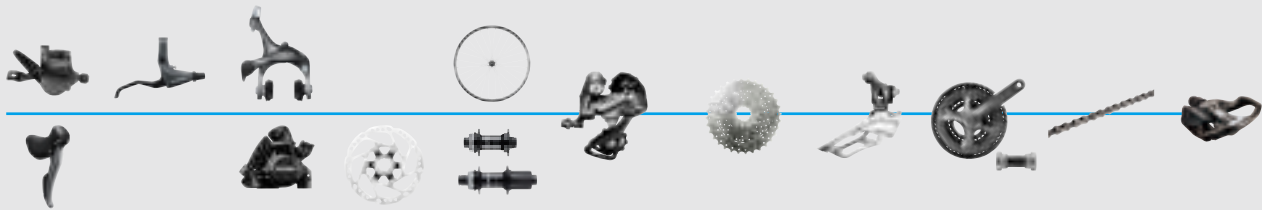
## RIDE IN STYLE

CLARIS R2000 series correspond to entry riders. Riding style is not race oriented, but easy sports, long touring, town cruising with casual cloths, shopping and also commuting for daily use. The bike with CLARIS is a partner of the rider. Having the bike make riders feel happy. It's sporty looks but it promises that the opportunity of comfortable riding.

### ❖ MAJOR BENEFITS

- Sporty and fun for diverse styles
- Stylish & clean design

### ❖ 3/2x8-speed



#### 3x8-speed [Mechanical disc brake]

SL-R2000 SL-R2030	BL-R2000	BR-RS305	SM-RT64 SM-RT54	WH-RX010 HB-R7070 FH-R7070	RD-R2000	CS-HG50-8	FD-R2030	FC-R2030/-CG BB-RS500 BB-RS500-PB	CN-HG71	PD-R550 PD-RS500 PD-EH500 PD-ED500
ST-R2000 ST-R2030 ST-RS200 ST-RS203										

#### 3x8-speed [Caliper brake]

SL-R2000 SL-R2030	BL-R2000	BR-R2000	WH-R501 HB-RS300 FH-RS300
ST-R2000 ST-R2030 ST-RS200 ST-RS203			

#### 3x8-speed [Cantilever brake]

SL-R2000 SL-R2030	BL-R2000	BR-CX50
ST-R2000 ST-R2030 ST-RS200 ST-RS203		

#### 3x8-speed [V-BRAKE]

SL-R2000 SL-R2030	BL-R2000	BR-R353
ST-R2000 ST-R2030 ST-RS200 ST-RS203		

#### 2x8-speed [Mechanical disc brake]

SL-R2000 ST-R2000 ST-RS200	BL-R2000	BR-RS305	SM-RT64 SM-RT54	WH-RX010 HB-R7070 FH-R7070	RD-R2000	CS-HG50-8	FD-R2000	FC-R2000/-CG BB-RS500 BB-RS500-PB
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#### 2x8-speed [Caliper brake]

SL-R2000 ST-R2000 ST-RS200	BL-R2000	BR-R2000	WH-R501 HB-RS300 FH-RS300
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#### 2x8-speed [Cantilever brake]

SL-R2000 ST-R2000 ST-RS200	BL-R2000	BR-CX50
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#### 2x8-speed [V-BRAKE]

SL-R2000 ST-R2000 ST-RS200	BL-R2000	BR-R353
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ST-R2030  
SHIMANO  
SLR  
ROAD BIOMECHANICS

ST-R2000-L  
SHIMANO  
SLR  
ROAD BIOMECHANICS

ST-R2000-R  
SHIMANO  
SLR  
ROAD BIOMECHANICS



SL-R2000  
SHIMANO  
SLR  
Optical Gear Display

SL-R2000  
SHIMANO  
SLR  
Optical Gear Display



SL-R2030  
SHIMANO  
SLR  
Optical Gear Display



ST-RS200  
SHIMANO  
SLR  
Optical Gear Display



ST-RS203  
SHIMANO  
SLR  
Optical Gear Display

ST-RS200  
SHIMANO  
SLR  
Optical Gear Display



FD-R2000-F

FD-R2000-B



FD-R2030-F

FD-R2030-B

### ST-R2000

DUAL CONTROL LEVER (2x8-speed)

- Clean cockpit with smooth operation and clear feedback
  - » Cable integrated design
  - OPTISLICK
  - » Ergonomically designed bracket
- Versatile usage
  - » Compatible with standard 8-speed RD

### ST-R2030

DUAL CONTROL LEVER (3x8-speed)

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

### SL-R2000

RAPIDFIRE PLUS Shifting Lever (2x8-speed)

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

### SL-R2030

RAPIDFIRE PLUS Shifting Lever (3x8-speed)

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

### ST-RS200

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

- Clean cockpit for flat handle bar
  - » OPTISLICK

### ST-RS203

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

- Clean cockpit for flat handle bar
  - » OPTISLICK

### FD-R2000

Front Derailleur (2x8-speed)

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

### FD-R2030

Front Derailleur (3x8-speed)

- Smooth gear transitions increase road-riding enjoyment
  - » Compatible with wider ratio gear combination
- Total capacity: 20T (FD-R2030-B, FD-R2030-F)

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070  
SHIMANO A050

FC-R2000



**FC-R2000**

Crankset (2x8-speed)

- Clean and stylish appearance
- Cascaded design image taken from high-end models
  - » High-end 4-arm FC design
- Gear combination: 50-34T
- Crank arm length: 165 mm, 170 mm, 175 mm

FC-R2030



**FC-R2030**

Crankset (3x8-speed)

- Clean and stylish appearance
- Cascaded design image taken from high-end models
  - » High-end 4-arm FC design
- Gear combination: 50-39-30T
- Crank arm length: 165 mm, 170 mm, 175 mm



BB-RS500

**BB-RS500**

Bottom Bracket

**BB-RS500-PB**

Press-Fit Type Bottom Bracket

- Long-lasting performance
  - New seal construction

FC-R2030



**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)



RD-R2000-GS



CS-HG50-8



**CS-HG50-8**

HG Cassette Sprocket (8-speed)

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



BL-R2000



BL-R2000



**BL-R2000**

Dual-Pivot Brake Lever

- Compatible with a wide variety of brakes



BR-R2000



**BR-R2000**

Dual-Pivot Caliper Brake

- More than 30% greater brake performance as compared with the current brake caliper
  - » Adjustable R50T5 brake shoe compound
  - » Compatible with 28C tire

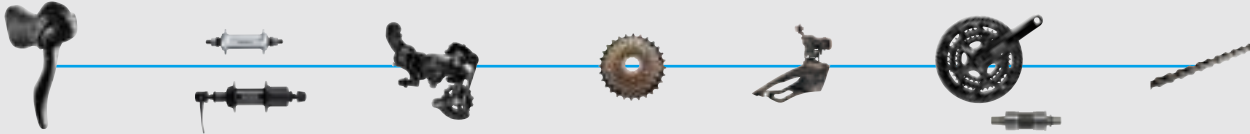
# SHIMANO *Tourney* Series A070

ENJOY CASUAL ROAD BIKE BY APPROPRIATE GEAR RATIO

## ❖ MAJOR BENEFITS

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

## ❖ 3/2x7-speed



### 3x7-speed

ST-A073  
ST-A070

HB-TX500  
FH-TY500-7

RD-A070

CS-HG20-7  
MF-TZ500-7

FD-A073

FC-A073  
N BB-UN300

CN-HG40

### 2x7-speed

ST-A070

HB-TX500  
FH-TY500-7

RD-A070

CS-HG20-7  
MF-TZ500-7

FD-A070

FC-A070  
N BB-UN300

**N** New model

>>> [https://productinfo.shimano.com/#/lc/tourney\\_a070](https://productinfo.shimano.com/#/lc/tourney_a070)



BICYCLOPEDIA

MTB

TREKKING

URBAN

**ROAD**

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

**CLARIS**

TOURNEY A070  
SHIMANO A050



ST-A070



ST-A073



FD-A070-A  
DUAL SIS INDEX SG-X

FD-A073  
DUAL SIS INDEX SG-X

## 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

DUAL SIS INDEX SG-X



FC-A073

DUAL SIS INDEX SG-X

## 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



RD-A070

DUAL SIS INDEX



BB-UN300

NEW

## BB-UN300

Square Type Bottom Bracket

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

## RD-A070

Rear Derailleur (7-speed)

- Compatible with 11T min. top sprocket 28T max. low sprocket
- Total capacity: 37T
- SMART CAGE (11/13T)

# SHIMANO A050

❖ 2x7-speed



SL-A050

RD-A070

CS-HG20-7  
MF-TZ500-7

FD-A050

CN-HG40



SL-A050-LN

SL-A050-7R

DUAL SIS INDEX



SL-SY20A

## SL-A050

Shift Lever (2/Frictionx7-speed)

- Handlebar mount

## SL-SY20A

Shift Lever (2/Frictionx7/6-speed)

- Stem or down tube mount



FD-A050

DUAL SIS INDEX

## FD-A050

Front Derailleur (2x7-speed)

- For double chainrings



>>> [https://productinfo.shimano.com/#/lc/shimano\\_a050](https://productinfo.shimano.com/#/lc/shimano_a050)

# SHIMANO Pedals



## 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



Silver  
PD-M540



## 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

Black  
PD-M540



Silver  
PD-M520



## 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

White  
PD-M520

Black  
PD-M520

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

PEDAL

Shifting System

Front Drivetrain

Rear Drivetrain

Brake System

Front Hub/ Rear FREEHUB

Pedal System

ALIVIO

ACERA 9-speed

ALTUS 9-speed

ACERA ALTUS 8/7s

TOURNEY TX

TOURNEY

TOURNEY TZ

SHIMANO Series

ALIVIO

ACERA

NEXUS

Hub Dynamo

SORA

CLARIS

TOURNEY A070 SHIMANO A050

# SHIMANO Pedals



Black  
PD-M505

Silver  
PD-M505



## PD-M505

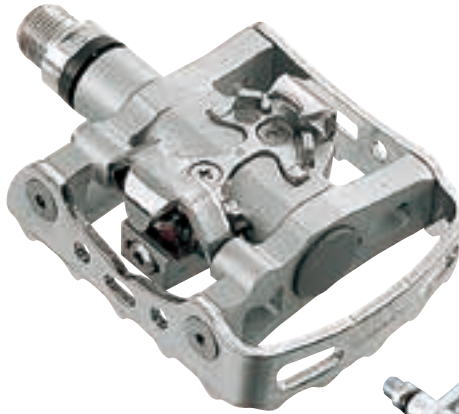
CLASSIC SPD RELIABILITY AND PERFORMANCE FOR ENTRY USERS

### FEATURES

- Customize the entry and release tension settings
- Sealed mechanism and serviceable cup & cone bearings

### WEIGHT

· 443 g



## PD-M324

VERSATILE SPD PEDAL FOR ENTRY-LEVEL USERS, GREAT FOR EVERYDAY CYCLING

### FEATURES

- Combines the efficiency of the SPD system and the convenience of a platform pedal
- Customize the entry and release tension settings
- Sealed mechanism and serviceable cup & cone bearings

### WEIGHT

· 533 g



## PD-T421

VERSATILE DUAL-PLATFORM CLICK'R PEDAL WITH EVERYDAY EASE OF USE

### FEATURES

- Versatile use CLICK'R binding on one side and flat pedal on the other
- Lighter spring
- Easier to catch the binding
- Pop-up cage
- Better grip on flat side with non-slip surface and concave shape
- Rider Tuneable adjustable entry and release tension settings

### WEIGHT

· 423 g







Black  
PD-GR500



Silver  
PD-GR500



### 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-EF202



### NEW

### 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



Silver  
PD-EF202



Red  
PD-EF202



Gold  
PD-EF202



Blue  
PD-EF202



Black  
PD-EF205



### NEW

### 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



Silver  
PD-EF205



Red  
PD-EF205



Gold  
PD-EF205



Blue  
PD-EF205

BICYCLOPEDIA

MTB

TREKKING

URBAN

ROAD

**PEDAL**

Shifting System

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ALIVIO

ACERA 9-speed

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SHIMANO Series

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NEXUS

Hub Dynamo

SORA

CLARIS

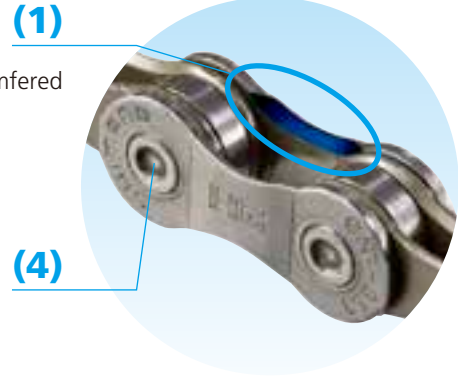
TOURNEY A070 SHIMANO A050

# Chain

SHIMANO chains are provided with the undermentioned features to enable pedaling even when going uphill and also to prevent chain noise for a long period of time. Using an incompatible chain may require a longer time for initial adjustment or, in the worst case, disallow proper adjustment. Therefore, we recommend using a chain compatible with SHIMANO parts.

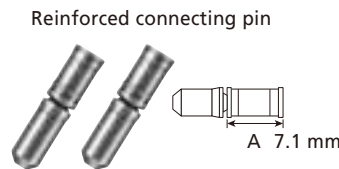
## (1) Chamfered outer plates

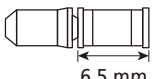
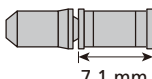
The inside section of the plate colored blue in the enlarged view on the right is chamfered in order to ensure superb SIS gear change performance.

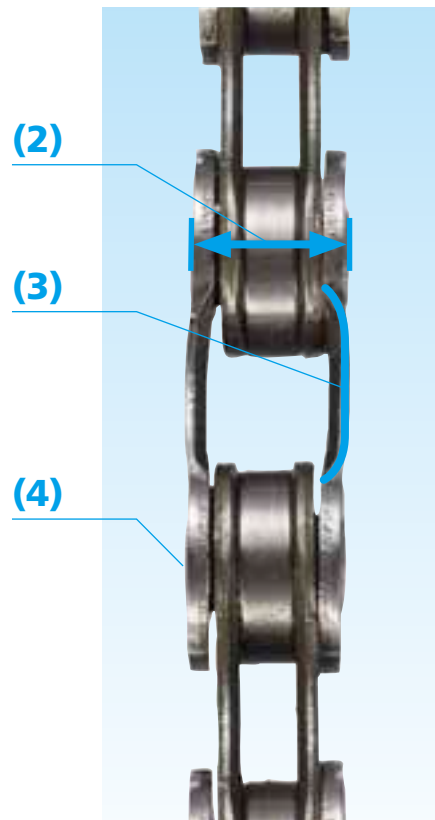


## (2) Connection pin

The connection pin maintains stable performance even when the chain is reconnected. The width of chains for 6/7/8-speed systems is different from the width of chains for 9-speed systems; thus, the ampule pin is also different between them. (See the Ampule Pin Table below.)



Chain	Reinforced connecting pin	Chain tool
9-speed super narrow chain Such as CN-HG93/HG53	 Silver 6.5 mm	TL-CN34 TL-CN33 TL-CN32
8/7/6-speed narrow chain Such as CN-HG71/HG50/HG40	 Black 7.1 mm	TL-CN28 TL-CN27



## (3) Curved outer plates

The outer plates are curved to maintain superb SIS shifting performance.

## (4) Improved pin retaining force

Special processing prevents the pins from falling out. This enables SIS shifting even when applying pedaling force to ride uphill.

The anti-abrasion resistance treatment (chromizing) on the pin of CN-HG53, CN-HG71 and CN-HG40 provide long-lasting performance.

Model No.	CN-HG53	CN-HG71	CN-HG40
Type	HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed
Pin link plate	Gray	Silver	Gray
Roller link plate	Brown	Gray	Brown
Chromizing treatment roller link plate	X	X	—





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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.