



# FIRST ALL THE WAY

Cranksets · Tools · BB Sets · Headsets





# Our History

FIRST Components is proud of being a leading bicycle parts manufacturer in Taiwan. With more than 34 years experiences in head parts and bottom bracket parts, the well-known "FIRST" brand provides not only superior quality and efficiency but also competitive prices and prompt delivery.

Facing ever increasing waves of competition throughout Asia, as well as other areas of the world, First is committed to manufacturing exclusively in Taiwan.

To fulfill customers' expectations and needs, First developed and launched cranksets in 2008 lightsets in 2009, tool kits in 2010, and controller & transmission system with BB sensor for E-bike in 2012. By forging the crank arms with 7050 alloy and combining 100% precision CNC 7075 alloy chainrings. First is getting matured also in the category of crankset. In addition to "First," a brand-new product line called "MAGPIE" known as Formosa blue magpie, the endemic species in Taiwan which symbolizes uniqueness, friendliness, and strong vitality. With practical and friendly concept, "MAGPIE" lightset provides visually barrier-free and comfortable riding experience day and night.

# FIRST

The President of First Components, Johnson Li said "Although competition is always a motivation for continuous improvement, the vicious circle of price competition among competitors has lead enterprises eventually to the end of their business. Over the next few years, First is committed to achieving customers needs by upgrading, innovation, and strategic alliances here in Taiwan, and throughout the world as we believe that Taiwan-made parts are unbeatable in performance, quality and price."

Want something stylish, elegant, classic and comfortable?  
we'll bring you laughter of joy and make you FIRST all the way.  
Enjoy the safe riding and win your spurs with FIRST COMPONENTS.

Your satisfaction is our continuous spiritual supports.



Registered to ISO 9001

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# Road Bike Cranksets

## GTm (for Gravel Bikes)

- Upgraded Compact Crankset
- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130/74mm
- Chainrings: 48<sup>T</sup>x32<sup>T</sup>, 46<sup>T</sup>x36<sup>T</sup>, 46<sup>T</sup>x30<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 845g ± 10g/175mm (BB Not Included)



## KT (4-Arm)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>, 52<sup>T</sup>x36<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 840g ± 10g/175mm (BB Not Included)





# Road Bike Cranksets



## CTm (Compact Crankset)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Chainrings: 50<sup>T</sup>x34<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 864g ± 10g/175mm (BB Not Included)

**CTm86**—for Press-Fit BB86 W/Spindle Ø24

**CTm30**—for External Threaded BB W/Alloy Spindle Ø30

**CTmF30**—for Press-Fit BB W/Alloy Spindle Ø30



## RTm

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 55<sup>T</sup>x42<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 810g ± 10g/175mm (BB Not Included)

**RTmF86**—for Press-Fit BB86 W/Spindle Ø24



## DT (Chainring CNC Production)

- Cranks: Forged AL6061  
with Polish Anodized Silver/Black Finish
- Lengths: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x42<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 700g/175mm (BB Not Included)

## DA

- BCD: 110mm
- Chainrings: 46<sup>T</sup>x34<sup>T</sup>





# Road Bike Cranksets

Oval



## OS (Semi-Oval)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 950g ± 10g/175mm (BB Not Included)

## OS1

- BCD: 110mm
- Chainrings: 50<sup>T</sup>x34<sup>T</sup> (AL7075)



## OR

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Oval Chainrings: 53<sup>T</sup>x40<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 950g ± 10g/175mm (BB Not Included)



## OC

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Oval Chainrings: 50<sup>T</sup>x35<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 982g ± 10g/175mm (BB Not Included)



# MTB Cranksets

Fit Standard MTB



## MS

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 51mm
- Weight: 858g±10g/175mm (BB Not Included)



## MH

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36<sup>T</sup>x22<sup>T</sup>, 38<sup>T</sup>x24<sup>T</sup>,  
40<sup>T</sup>x27<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 49mm
- Weight: 772g±10g/175mm (BB Not Included)

**MH30**-for PF30 System

**MH48**-for Boost 148 System



## MH-1

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainrings: 32<sup>T</sup>, 34<sup>T</sup>, 36<sup>T</sup>, 38<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 52mm
- Weight: 740g±10g/175mm (BB Not Included)

**MH148**-for Boost 148 System



# MTB Cranksets

Fit Fat Bike



## MP (BB-Axle Integrated)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36T x 22T, 38T x 24T (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 76.2mm
- Axle Length: 177.5mm or 190.5mm
- Fits BB Shell: 100mm or 120mm
- Weight: 882g ± 10g/175mm (BB Not Included)



## MD (Narrow-Wide)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 30T, 32T, 34T, 36T (AL7075)
- Narrow-Wide Teeth Profile
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Axle Length: 177.5mm or 190.5mm
- Fits BB Shell: 100mm or 120mm
- Weight: 958g ± 10g/175mm (BB Included)



## MR

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36T x 22T
- For BB Shell Width 100mm
- Speed: 10/11
- Weight: 1006g ± 10g/175mm (BB Included)



## MO

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 38T
- For BB Shell Width 100mm
- Speed: 10/11
- Weight: 952g ± 10g/175mm (BB Included)



# MTB Cranksets

Fit Standard MTB



## MT

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>, 42<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 630g ± 10g/175mm (BB Not Included)



## MB

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36<sup>T</sup>x22<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup>
- Speed: 10/11
- Weight: 696g ± 10g/175mm (BB Not Included)



## MA

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 38<sup>T</sup>
- Speed: 10/11
- Weight: 550g ± 10g/175mm (BB Not Included)



# Tandem Cranksets

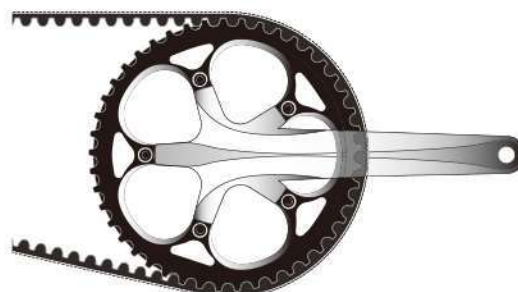


## DTA (5-Arm)

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130/74mm
- Chainrings: 52T x 39T x 30T / 42T
- **MTA**-(4 Arm) for MTB
- **MTC**-(4 Arm) for Fat Bike



# Crankset for Belt Drive



H32-3W

RT-R

RT-L

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Spindle: Cr-Mo SCM440
- Chainline: 54mm
- Eccentric BB "H32-3W" Included



# Single-Speed Cranksets



## RT1 (BB-Axle Integrated)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainring: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 46mm
- Weight: 770g±10g/175mm (BB Not Included)

**RT186**—for Press-Fit BB86 W/Spindle Ø24



## OT (BB-Axle Integrated)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Oval Chainring: 52<sup>T</sup>-S2/S3 (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 46mm
- Weight: 810g±10g/175mm (BB Not Included)



## DT1

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainring: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>
- Speed: 10/11
- Weight: 640g/175mm (BB Not Included)



## DT2 (for Track)

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 144mm
- Chainring: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>, 50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 774g±10g/175mm (BB Not Included)



## Tool for BB86/92/30 (41mm)

### BB2430 Patent No. M427476

- Install & Remove Bearing 6805 (25 x 37 x 7mm)
- Install & Remove Bearing 6806 (30 x 42 x 7mm)
- Install & Remove Press-Fit BB R92/T86
- Install & Remove R30 (Converter for BB30 to BB24)
- Weight: 1082g (Box Included)

## Tools for Press-Fit 30 (46mm)



### TOOL-DF30 Patent No. M427476 (Assembly & Disassembly)

- Aluminum Alloy with Shiny Finish
- Install and Remove Bearing 6806 (30 x 42 x 7mm)
- Easy Assembly and Disassembly for Press-Fit BB Adapter O.D. 46mm
- Available for Alloy Adapters
- Assembly and Disassembly for End Face of Frame Shell Bigger than BB Adapter Flange O.D. 52mm



1. Insert the Removal Tool



2. Slide the Removal Tool Through the Shell



3. Tap the Cup out with A Hammer



### Y53 (Disassembly)



# Accessories



## Road/MTB Chainrings, Pulley Wheels, Giant Cogs



### R-DIMO3 (for Boost)

Direct Mount
(Narrow-Wide)
Offset: 3mm
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 73g (32 <sup>T</sup> )

### R-DIMO6 (for Non-Boost)

Direct Mount
(Narrow-Wide)
Offset: 6mm
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 85g (36 <sup>T</sup> )

### R-DIMO

Direct Mount
(Narrow-Wide)
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 79g

### RO-DIMO (Oval)

Direct Mount
(Narrow-Wide)
Material: AL7075
Teeth: 32 <sup>T</sup> , 34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 79g



### R-MXX

BCD: 76mm
(Narrow-Wide)
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 38g (28 <sup>T</sup> )

### R-MXX2

BCD: 94mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 70g (36 <sup>T</sup> )

### RO-MXX2 (Oval)

BCD: 94mm
(Narrow-Wide)
Material: AL7075
Teeth: 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 63g (34 <sup>T</sup> )



### R-M8000

BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 62g (34 <sup>T</sup> )

### RO-M8000 (Oval)

BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 64g (34 <sup>T</sup> )

### R-DEOR (Symmetry)

BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 52g (32 <sup>T</sup> )



**R-MH1**

BCD: 104mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 30<sup>T</sup>, 32<sup>T</sup>, 34<sup>T</sup>, 36<sup>T</sup>  
38<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>  
Weight: 41g (30<sup>T</sup>)

**R-NWO (Oval)**

BCD: 104mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 32<sup>T</sup>, 34<sup>T</sup>  
36<sup>T</sup>, 38<sup>T</sup>  
Weight: 46g (32<sup>T</sup>)

**R-CT1**

BCD: 110mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 36<sup>T</sup>, 38<sup>T</sup>  
40<sup>T</sup>, 42<sup>T</sup>  
Weight: 96g (42<sup>T</sup>)

**R-RT1**

BCD: 130mm  
Material: AL7075  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>,  
44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 65g (46<sup>T</sup>)  
(Narrow-Wide Version Available)

**R-DT1**

BCD: 130mm  
Material: AL5182  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>,  
46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 72g (44<sup>T</sup>)

**R-DT2 (Light)**

BCD: 144mm  
Material: AL7075  
Teeth: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>,  
50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup>  
Weight: 148g (50<sup>T</sup>)

**Road Chain Guard**

BCD: 130mm  
Material: AL5182  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>,  
46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 40g (46<sup>T</sup>)

**R-OT (Oval)**

BCD: 130mm  
Material: AL7075  
Teeth: 52<sup>T</sup>  
Weight: 155g

**R-DT2**

BCD: 144mm  
Material: AL7075  
Teeth: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>,  
50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup>  
Weight: 162g (48<sup>T</sup>)

**MTB Chain Guard**

BCD: 104mm  
Material: AL5182  
Teeth: 34<sup>T</sup>, 36<sup>T</sup>, 38<sup>T</sup>,  
40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>  
Weight: 75g (44<sup>T</sup>)



# Accessories



2 in 1 BCD: 110/130mm

## Road/MTB Chainrings, Pulley Wheels, Giant Cogs



### R-GTm

BCD: 130/74mm  
Material: AL7075  
Teeth: 48<sup>T</sup>x32<sup>T</sup>, 46<sup>T</sup>x36<sup>T</sup>,  
46<sup>T</sup>x30<sup>T</sup>  
Weight: 145g (46<sup>T</sup>x30<sup>T</sup>)



### R-KT

BCD: 110mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup>,  
52<sup>T</sup>x36<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>  
Weight: 188g (53<sup>T</sup>x39<sup>T</sup>)



### R-CT

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x34<sup>T</sup>  
Weight: 158g



### R-OS (Semi-Oval)

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>  
Weight: 198g



### R-OS1 (Semi-Oval)

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x34<sup>T</sup>  
Weight: 147g



### R-RT/R-DT

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>  
Weight: 138g



### R-OR (Oval)

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x40<sup>T</sup>  
Weight: 200g



### R-OC (Oval)

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x35<sup>T</sup>  
Weight: 188g



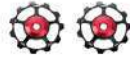
### R-CAMP (Campy)

BCD: 145/112mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup>,  
52<sup>T</sup>x36<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>  
Weight: 170g (53<sup>T</sup>x39<sup>T</sup>)



**R-MH/R-MP**

BCD: 104/64mm  
 Material: AL7075  
 Teeth: 36<sup>T</sup>x22<sup>T</sup>, 38<sup>T</sup>x24<sup>T</sup>,  
 40<sup>T</sup>x27<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup>  
 Weight: 74g (36<sup>T</sup>x22<sup>T</sup>)



**Y70A**

Pulley Wheel  
 Material: AL6061  
 Teeth: 11<sup>T</sup>  
 Regular & Ceramic  
 Bearings Available



**Y70A-3**

Pulley Wheel  
 Material: AL6061  
 Teeth: 11<sup>T</sup>  
 Ceramic Bearings



**R-MS/R-MT**

BCD: 104/64mm  
 Material: AL7075  
 Teeth: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>,  
 42<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>  
 Weight: 149g (44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>)



**Y75A (Narrow-Wide)**

Pulley Wheel  
 Material: AL6061  
 Teeth: 10<sup>T</sup>  
 Regular & Ceramic  
 Bearings Available



**Y80A**

Giant Cog  
 Material: AL7075  
 Teeth: 40<sup>T</sup>, 42<sup>T</sup> (+16<sup>T</sup>)  
 Shimano Only  
 Weight: 96g (42<sup>T</sup>) + 23g



**R-ET**

BCD: 130/74mm  
 Material: AL7075  
 Teeth: 52<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>,  
 50<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>  
 Weight: 202g (52<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>)



**Header Card Packaging**

**PP Box for Chainring Set**



# T47 BB Sets

For Spindle 30



**M4768 (Internal)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 116g

**M4768E (W/O Sleeve)**



**M4786 (External)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 132g

**M4786E (W/O Sleeve)**



**D47-392F (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 127g



**M4768P (Internal)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 291g



**M4786P (External)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 x P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 280g



**D47-392FP (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 109g



# T47 BB Sets

For Spindle 24



**M4786S (External)**

- Available for BB Shell Width 68~73mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M4786SP (W/Nylon Sleeve)**

**M4786ES (W/O Sleeve)**



**M47S (External)**

- Available for BB Shell Width 68~73mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M47SP (W/Nylon Sleeve)**

**M47ES (W/O Sleeve)**



**D47-92S (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 140g



**M4786R (External)**

- Available for BB Shell Width 68~73mm & Spindle 24/22mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M4786RP (W/Nylon Sleeve)**

**M4786ER (W/O Sleeve)**



**M47R (External)**

- Available for BB Shell Width 68~73mm & Spindle 24/22mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M47RP (W/Nylon Sleeve)**

**M47ER (W/O Sleeve)**



**D47-92SP (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 122g



# Press-Fit BB Sets

For Spindle 30



### GP30

- For BB Shell I.D. 46mm & Width 68~86.5mm
- Internal Thread Fixing Structure-Easy for Assembly
- C-Clamp Wrench Included
- Weight: 260g



### DF30

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 118g



### DF30E

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 95g



### Y30P

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 80g



# Press-Fit BB Sets

For Spindle 24



**DF3024S** (Shimano)  
**DF3024R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 160g/170g



**DF3024ES** (Shimano)  
**DF3024ER** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 126g/136g



**Y3024SP** (Shimano)  
**Y3024RP** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 118g/124g



**DF24S** (Shimano)  
**DF24R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 145g/155g



**DF24ES** (Shimano)  
**DF24ER** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 126g/136g



**Y24SP** (Shimano)  
**Y24RP** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 94g/100g

**GF24S** (Shimano)  
**GF24R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Angular Contact Thrust Bearings
- Weight: 131g/137g

Eco Version (W/O Sleeve)

**GF24ES**: 93g  
**GF24ER**: 102g





# Press-Fit BB Sets

For Spindle 24



**T86 (Shimano)**  
**R86 (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 64g/70g



**R92S (Shimano)**  
**R92R (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5/89.5/92mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 92g/96g



**H92S (Shimano)**  
**H92R (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5/89.5/92mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 77g/83g

**G92S (Shimano)**  
**G92R (SRAM)**

- For BB Shell I.D. 41mm & Width 86.5—92mm
- Internal Thread Fixing Structure-Easy for Assembly
- Adapters Compatible with Shimano 16T Wrench
- Weight: 110g/116g



BB Parts



**B24 (BB30)**



**BP24 (BB30+PF30)**



**BO24 (BB30+OS 30)**



*3in 1*  
**(3 in 1 Integrated BB Reducer)**



**BOP24/ (BOP24R-BB30+PF30+OSBB)**

- Available for Shell I.D. of BB30 (42mm), Press-Fit 30 (46mm) and OSBB (O.D. 46mm/Width 61mm)
- Convert Above BB to Shimano & SRAM



**B24R**



**BP24R**



**BO24R**





## External BB Sets

For Spindle 24 & 30



**H-TSH** (Shimano)  
**H-GXP** (SRAM)

- 2 Sealed Bearings
- For Shell 68~73mm
- Ceramic Bearing Available
- Weight: 105g/115g



**NH-TSH** (Shimano)  
**NH-GXP** (SRAM)

- 2 Sealed Bearings
- For Shell 68~73mm
- Ceramic Bearing Available
- Weight: 98g/108g



**R83S** (Shimano)  
**R83R** (SRAM)

- 2 Sealed Bearings
- For Shell 83mm
- Ceramic Bearing Available
- Weight: 112g/118g

### NH-TSHW/NH-GXPW

- Waterproof Version



**Y30T**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 10.2mm
- Ceramic Bearing Available
- Weight: 93g



**Y30F**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 9.3mm
- Ceramic Bearing Available
- Weight: 90g



**T30**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 11.2mm
- Ceramic Bearing Available
- Weight: 99g



## BB for Fat Bike



**NHTSH1** (177.5)  
**NHTSH2** (190.5)

- Available for Shell Width 100mm & OLD 170mm
- 2 Sealed Bearings
- Ceramic Bearing Available
- Weight: 132g

### NHTSH2

- Available for Shell Width 100/120mm & OLD 190mm



**R92S** (100/120)  
**R92R** (100/120)

- Available for Shell Width 100/120mm & OLD 190mm
- 2 Sealed Bearings
- Ceramic Bearing Available
- Weight: 120g



**F-2001E** (100)

- Steel Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 369g



# Eccentric BB Sets



**H32**

- For BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Weight: 172g



**G32**

- For BB Shell I.D. 46mm & Width 68~73mm
- JIS BB Only
- Weight: 85g



**H32-3W**

- For BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Nylon Sleeve
- Weight: 192g

**H32-3**

- Available for BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Weight: 182g



**G210A**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 269g



**BLOG X**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 200g



**P220A**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 228g





# Converter BB Sets



## D4234A

- Converter for BB30 to BSA
- BB Shell Width 68~73mm
- Alloy Adapters
- Weight: 34g



## D4634A

- Converter for PF30 to BSA
- BB Shell Width 68~73mm
- Alloy Adapters
- Weight: 55g



## D4641A

- Converter for PF30 to I.D. 41mm
- BB Shell Width 86.5~92mm
- Alloy Adapters
- Weight: 26g

## G207A (Patent No. M536195)

- Converter for PF30 to BSA
- Loosening and Tightening Bolts to Remove and Assembly
- Versions for 68mm and 73mm Available
- Weight: 118g



## S30

- Available for BB Shell I.D. 46mm & Width 68~73mm
- Weight: 95g



## F30

- Available for BB Shell I.D. 42mm & Width 68~73mm
- Weight: 64g



## H515

- Adapter for American BMX to BSA System
- Weight: 135g



# Cartridge BB Sets



**DX-30**

- Alloy Cups & Sleeve
- Water-proof & Anti-loosening
- 2 Sealed Bearings
- BSA, French and ITA
- Weight: 244g



**F-2001E**

- Steel Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 278g



**F-2001P**

- Nylon Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 240g



**MP-60**

Nylon

- Steel & Nylon Cup
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 268g



# Regular BB Sets



**LF-718**

- T: 7/8" x 24<sup>T</sup>-Left  
15/16" x 24<sup>T</sup>-Right
- B: 5/16" x 9
- F: UCR, BK/9PCS
- LF-718-43
- CUP O.D.43mm



**LF-712**

- T: Ø 1.37" x 24<sup>T</sup>
- B: 1/4" x 9
- F: CP, UCR, BK/5PCS



LF-712W-Waterproof



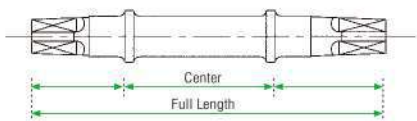
**LF-120**

- Length of BB Axle  
153mm, 148mm, 145mm
- (3717) Cup O.D. 35mm,  
Ball Size 3/16" x 11
- (3720) Cup O.D. 40mm,  
Ball Size 1/4" x 9B
- Set: 9pcs



**LF-124/LF-125**

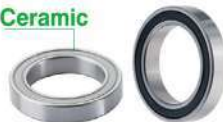
- Length of BB Axle  
128mm, 132mm, 136mm
- Cup O.D. 35mm,  
Ball Size 3/16" x 11
- Cup O.D. 40mm,  
Ball Size 1/4" x 9B
- Cup O.D. 51.5mm,  
Ball Size 5/16" x 9



**COTTERLESS AXLE**

- Bolt Type, Black Finish
- Nut Type, Black Finish
- Axle Length Available on Request

Ceramic



**6805/6806**

- 37 x 25 x 7mm
- 42 x 30 x 7mm



**SPACER (Nylon)**

- 41 x 35 x 2mm
- 42 x 35 x 2.5mm



**M12**



**M8**



**M15**



**M15 (Titanium)**



# Tapered Headsets



**G301A**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
G301A	1-1/8"	41.8/52	39.8	11.6	



**RB3K/RB4K**  
 IS42/28.6 | IS52/40  
 IS42/28.6 | IS52/40  
 Nylon cap  
 Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
RB3K	1-1/8"	41.8/52	39.8	16.8	
RB4K	1-1/8"	41.8/52	39.8	16.4	



**P504A**  
 IS41/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
P504A	1-1/8"	41/52	39.8	5.5	



**P40F**  
 IS41/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
P40F	1-1/8"	41/52	39.8	9.8	



**H40FS**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
H40FS	1-1/8"	41.8/51.8	39.8	16.4	



**S40F**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
S40F	1-1/8"	41.8/51.8	39.8	8.6	



**M40**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
M40	1-1/8"	41.8/52	39.8	10	



**M44**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
M44	1-1/8"	41.8/46.8	33	10.1	



**D40F**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D40F	1-1/8"	41.8/52	39.8	16.5	



**D40K**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D40K	1-1/8"	41.8/52	39.8	9.3	



**D44F**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D44F	1-1/8"	41.8/46.8	33	16.6	



**D44K**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D44K	1-1/8"	41.8/46.8	33	9.4	



# Tapered Headsets



## G508A

ZS44/28.6 | ZS56/40  
Alloy Cap/Cup,  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G508A	1-1/8"	44/56	39.8	12.5	



## RK/RK1/RK2

ZS44/28.6 | ZS56/40  
ZS44/28.6 | ZS55/30  
ZS44/28.6 | ZS55/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
RK	1-1/8"	44/56	39.8	12.5	
RK1	1-1/8"	44/55	30	12.5	
RK2	1-1/8"	44/55	39.8	12.5	



## Y35

ZS44/28.6 | ZS56/30  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" Steerer  
Angle Adjustable  $\pm 1^\circ$

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y35	1-1/8"	44/56	30	14.2	



## Y33

ZS44/28.6 | ZS49/30  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" Steerer  
Angle Adjustable  $\pm 1^\circ$

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y33	1-1/8"	44/49.6	30	14.2	



## HS3

ZS44/28.6 | ZS56/40  
Alloy Cap/Steel Cup  
Cartridge Bearing/  
Ball Retainer  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HS3	1-1/8"	44/56	39.8	12.9	



## HRK1/HRK2

ZS44/28.6 | ZS55/40  
ZS44/28.6 | ZS56/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HRK1	1-1/8"	44/55	39.8	19.8	
HRK2	1-1/8"	44/56	39.8	19.8	



## CS3N

ZS44/28.6 | ZS56/40  
Nylon Cap/Steel Cup  
Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3N	1-1/8"	44/56	39.8	21.6	



## CS3

ZS44/28.6 | ZS56/40  
Nylon Cap/Steel Cup  
Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3	1-1/8"	44/56	39.8	8.3	



## CS3-4

ZS44/28.6 | EC44/40  
Steel, Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3-4	1-1/8"	44	39.8	16	



## D344A

ZS44/28.6 | EC44/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D344A	1-1/8"	44	39.8	22.2	



## DS

ZS44/28.6 | EC44/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DS	1-1/8"	44	39.8	20.9	



## G502S

EC34/28.6 | ZS44/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G502S	1-1/8"	34/44	30	17.5	



# Tapered Headsets

Angle-Limited



## D346S

ZS44/28.6 | ZS56/40  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/Ball  
 Retainer  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D346S	1-1/8"	44/56	39.8	19	



## D346A

ZS44/28.6 | ZS56/40  
 Alloy Cap/Cup  
 Sealed Bearings  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D346A	1-1/8"	44/56	39.8	20.4	



## D345S

ZS44/28.6 | ZS55/40  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/Ball  
 Retainer  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D345S	1-1/8"	44/55	39.8	19	



## D345A

ZS44/28.6 | ZS55/40  
 Alloy Cap/Cup  
 Sealed Bearings  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D345A	1-1/8"	44/55	39.8	20.4	



# Integrated Headsets



## G507A

IS42/28.6 | IS42/30  
 Alloy, Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
G507A	1-1/8"	41.8	30	16.5	



## SK

IS42/28.6 | IS42/30  
 Alloy, Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
SK	1-1/8"	41.8	30	11.9	



## SI

IS41/28.6 | IS41/30  
 Alloy, Sealed Bearings  
 ACB 36° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
SI	1-1/8"	41	30	11.6	



## RB2/RB3

IS42/28.6 | IS42/30  
 IS42/28.6 | IS42/30  
 Nylon Cap,  
 Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
RB2	1-1/8"	41.8	30	16.4	
RB3	1-1/8"	41.8	30	16.7	



# Semi-Integrated Headsets



**H**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
H	1-1/8"	44	30	13	



**HAC**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HAC	1-1/8"	44	30	13.9	



**HSC**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Steel Cup  
 Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HSC	1-1/8"	44	30	13	



**H27**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
H27	1-1/8"	44	30	11.9	



**P502A**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
P502A	1-1/8"	44	30	4.2	



**C**  
 ZS44/28.6 | ZS44/30  
 Nylon Cap/Steel Cup  
 Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
C	1-1/8"	44	30	9.1	



**CWN**  
 ZS44/28.6 | ZS44/30  
 Nylon Cap/Steel Cup  
 Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CWN	1-1/8"	44	30	22.4	



**Y32 (1°/1.5°/2°)**  
 ZS49/28.6 | ZS49/30  
 Alloy Cap/Cup  
 Sealed Bearings  
 Angle Adjustable  
 ±1°/1.5°/2°

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y32	1-1/8"	49.6	30	14.2	



**D544A**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings  
 Angle-Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D544A	1-1/8"	44	30	20.4	



**D544S**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/  
 Ball Retainer  
 Angle-Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D544S	1-1/8"	44	30	19	



**G**  
 ZS44/28.6-26tpi | ZS44/30  
 Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G	25.4	44	30	19.5	



**D560S**  
 ZS44/28.6-26tpi | ZS44/30  
 Steel, Ball Retainers  
 Angle Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D560S	25.4	44	30	21.5	





# Threadless Headsets



## D510A

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D510A	1-1/8"	34	30	28	



## Y90A-1

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y90A-1	1-1/8"	30/30.2	27/26.4	28.8	



## Y95A-1

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y95A-1	1"	30/30.2	27/26.4	29.1	



## PZ

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PZ	1-1/8"	34	30	28.7	



## F-996AW F-997AW

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-996AW	1-1/8"	34	30	28.9	
F-997AW	1"	30/30.2	27/26.4	29.5	



## UN-02 UN-01

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
UN-02	1-1/8"	34	30	26.8	
UN-01	1"	30/30.2	27/26.4	26	



## PP

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PP	1-1/8"	34	30	29.9	



## PQ

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PQ	1"	30/30.2	27/26.4	26.1	



## DP

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DP	1-1/8"	34	30	29.9	



## Z Z1

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Z	1-1/8"	34	30	22.9	
Z1	1"	30	27	22.8	



## BI

EC34/28.6 | EC34/30  
Steel  
Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
BI	1-1/8"	34	30	27.8	



## F-991SW

EC34/28.6 | EC34/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-991SW	1-1/8"	34	30	26.2	



# Threaded Headsets



**Y90A**

EC29/25.4-24tpi | EC29/27  
EC30/25.4-24tpi | EC30/26  
Alloy Cap/Cap  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y90A	22.2	30/30.2	27/26.4		34.7



**Y95A**

EC29/25.4-24tpi | EC29/27  
EC30/25.4-24tpi | EC30/26  
Alloy Cap/Cap  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y95A	22.2	30/30.2	27/26.4		36



**F-215AW  
F-216AW**

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-215AW	25.4	34	30		39.4
F-216AW	22.2	30	27		39



**F-978AW  
F-979AW**

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-978AW	25.4	34	30		35.8
F-979AW	22.2	30	27		36.6



**LF-867AW  
LF-9001AW**

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-867AW	25.4	34	30		38.6
LF-9001AW	22.2	30	27		36.8



**M94**

EC34/28.6-26tpi | EC34/30  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
M94	25.4	34	30		38



**LF-844**

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-844	22.2	30	27		35.7



**LF-842E**

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-842E	22.2	30	27		34.9
LF-842EA	22.2	32.5	27		34.9
LF-842EH	22.2	34	27		34.9



**F-973SW**

EC34/28.6-26tpi | EC34/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-973SW	25.4	34	30		34.3



**F-974EW**

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-974EW	22.2	30	27		34.4
F-974EAW	22.2	32.5	27		34.4
F-974EHW	22.2	34	27		34.4



**F-985SW  
F-986SW**

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Steel, Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-985SW	25.4	34	30		38.3
F-986SW	22.2	30	27		38.4



Patent No. 222603

**F-208SW  
F-218SW**

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-208SW	25.4	34	30		32.6
F-218SW	22.2	30	27		30.4



# Accessories

## REDUCER

M49A (49/44)/M55A (55/44)/M56A (56/44)



## Spacers



**CARBON SPACER**



**MICRO SPACER**  
(0.25MM)



**ALLOY SPACER**



**CX**  
(5/10/15mm)



**D120A**  
(3/5mm)



**CS**  
(5/10/15mm)

## Top Caps

Stem adjuster-TL is designed on the base of safety and light which is suitable for 1-1/8" racing bike and folding bike. With same locking structure of T22 and T24, this stem adjuster with two-stair rings is available for both 1-1/8" alloy fork (ID24.6mm) and steel fork (ID 25.4mm). Different spacers can be added according to your needed height. The height can be added 4cm.



**TL**

According to traditional vertical design, the top cap assembly tends to get sliding loosening. Our T22/T23/T24 are made of aluminum alloy for reducing the weight. Moreover, 2-step designed top cap was based on easier assembly and disassembly. Without affecting by the steerer material, it can always be used repeatedly with its special patented horizontal line expanding which fixes more tightly to the steerer inner wall. It is safer and suitable for your 1-1/8" racing bike or folding bike.



**T22/T23/T24**(1-1/8")



**D19-1**  
(1")



**D20.5**  
(1-1/8")



**D22/D23/D24**  
(1-1/8")



**D22C-1/D23C-1**  
(1-1/8")



**F88A-18**  
(1-1/8")



**F88A-32**  
(1-1/8")



**G505A**  
(1-1/8")



**G506A**  
(1-1/8")



**F58-3A/F58-4A**  
(1-1/8")/(1")



**F58-10A**  
(1-1/8")



# Cranksets, BB Sets, Headsets, Turn Signal Lightsets, Tools, E-Bike Components

INTEGRATED & SEMI-INTEGRATED • THREADLESS & THREADED • TAPERED • ISIS DRIVE & CARTRIDGE BB SET • EXTERNAL BB SET • PRESS-FIT BB SET



**FIRST** Bicycle Components Co., Ltd.

45, Kung 9<sup>th</sup> Rd., Rinan Vil., Tachia Dist., Taichung, Taiwan (Tachia Industrial Zone) TEL: 886-4-26815039 FAX: 886-4-26815917  
www.firstcomponents.com sales@firstcomponents.com



# Our History

FIRST Components is proud of being a leading bicycle parts manufacturer in Taiwan. With more than 34 years experiences in head parts and bottom bracket parts, the well-known "FIRST" brand provides not only superior quality and efficiency but also competitive prices and prompt delivery.

Facing ever increasing waves of competition throughout Asia, as well as other areas of the world, First is committed to manufacturing exclusively in Taiwan.

To fulfill customers' expectations and needs, First developed and launched cranksets in 2008 lightsets in 2009, tool kits in 2010, and controller & transmission system with BB sensor for E-bike in 2012. By forging the crank arms with 7050 alloy and combining 100% precision CNC 7075 alloy chainrings. First is getting matured also in the category of crankset. In addition to "First," a brand-new product line called "MAGPIE" known as Formosa blue magpie, the endemic species in Taiwan which symbolizes uniqueness, friendliness, and strong vitality. With practical and friendly concept, "MAGPIE" lightset provides visually barrier-free and comfortable riding experience day and night.

# FIRST

The President of First Components, Johnson Li said "Although competition is always a motivation for continuous improvement, the vicious circle of price competition among competitors has lead enterprises eventually to the end of their business. Over the next few years, First is committed to achieving customers needs by upgrading, innovation, and strategic alliances here in Taiwan, and throughout the world as we believe that Taiwan-made parts are unbeatable in performance, quality and price."

Want something stylish, elegant, classic and comfortable?  
we'll bring you laughter of joy and make you FIRST all the way.  
Enjoy the safe riding and win your spurs with FIRST COMPONENTS.

Your satisfaction is our continuous spiritual supports.



Registered to ISO 9001

# 05

## CRANKSETS

### Road Bike Cranksets

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MS, MH, MH-1 .....	A08
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### MTB Cranksets | Fit Fat Bike

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### MTB Cranksets | Fit Standard MTB

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# Road Bike Cranksets

## GTm (for Gravel Bikes)

- Upgraded Compact Crankset
- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130/74mm
- Chainrings: 48<sup>T</sup>x32<sup>T</sup>, 46<sup>T</sup>x36<sup>T</sup>, 46<sup>T</sup>x30<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 845g ± 10g/175mm (BB Not Included)



## KT (4-Arm)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>, 52<sup>T</sup>x36<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 840g ± 10g/175mm (BB Not Included)





# Road Bike Cranksets



## CTm (Compact Crankset)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Chainrings: 50<sup>T</sup>x34<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 864g ± 10g/175mm (BB Not Included)

**CTm86**—for Press-Fit BB86 W/Spindle Ø24

**CTm30**—for External Threaded BB W/Alloy Spindle Ø30

**CTmF30**—for Press-Fit BB W/Alloy Spindle Ø30



## RTm

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 55<sup>T</sup>x42<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 810g ± 10g/175mm (BB Not Included)

**RTmF86**—for Press-Fit BB86 W/Spindle Ø24



## DT (Chainring CNC Production)

- Cranks: Forged AL6061  
with Polish Anodized Silver/Black Finish
- Lengths: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x42<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 700g/175mm (BB Not Included)

## DA

- BCD: 110mm
- Chainrings: 46<sup>T</sup>x34<sup>T</sup>



# Road Bike Cranksets

Oval



## OS (Semi-Oval)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainrings: 53<sup>T</sup>x39<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 950g ± 10g/175mm (BB Not Included)

## OS1

- BCD: 110mm
- Chainrings: 50<sup>T</sup>x34<sup>T</sup> (AL7075)



## OR

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Oval Chainrings: 53<sup>T</sup>x40<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 950g ± 10g/175mm (BB Not Included)



## OC

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Oval Chainrings: 50<sup>T</sup>x35<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 43.5mm
- Weight: 982g ± 10g/175mm (BB Not Included)



# MTB Cranksets

Fit Standard MTB



## MS

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 51mm
- Weight: 858g±10g/175mm (BB Not Included)



## MH

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36<sup>T</sup>x22<sup>T</sup>, 38<sup>T</sup>x24<sup>T</sup>,  
40<sup>T</sup>x27<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 49mm
- Weight: 772g±10g/175mm (BB Not Included)

**MH30**-for PF30 System

**MH48**-for Boost 148 System



## MH-1

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainrings: 32<sup>T</sup>, 34<sup>T</sup>, 36<sup>T</sup>, 38<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 52mm
- Weight: 740g±10g/175mm (BB Not Included)

**MH148**-for Boost 148 System



# MTB Cranksets

Fit Fat Bike



## MP (BB-Axle Integrated)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36T x 22T, 38T x 24T (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 76.2mm
- Axle Length: 177.5mm or 190.5mm
- Fits BB Shell: 100mm or 120mm
- Weight: 882g ± 10g/175mm (BB Not Included)



## MD (Narrow-Wide)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 30T, 32T, 34T, 36T (AL7075)
- Narrow-Wide Teeth Profile
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Axle Length: 177.5mm or 190.5mm
- Fits BB Shell: 100mm or 120mm
- Weight: 958g ± 10g/175mm (BB Included)



## MR

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36T x 22T
- For BB Shell Width 100mm
- Speed: 10/11
- Weight: 1006g ± 10g/175mm (BB Included)



## MO

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 38T
- For BB Shell Width 100mm
- Speed: 10/11
- Weight: 952g ± 10g/175mm (BB Included)



# MTB Cranksets

Fit Standard MTB



MT 

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>, 42<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 630g±10g/175mm (BB Not Included)



MB 

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104/64mm
- Chainrings: 36<sup>T</sup>x22<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup>
- Speed: 10/11
- Weight: 696g±10g/175mm (BB Not Included)



MA 

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 104mm
- Chainring: 38<sup>T</sup>
- Speed: 10/11
- Weight: 550g±10g/175mm (BB Not Included)



# Tandem Cranksets



## DTA (5-Arm)

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130/74mm
- Chainrings: 52T x 39T x 30T / 42T
- **MTA**-(4 Arm) for MTB
- **MTC**-(4 Arm) for Fat Bike



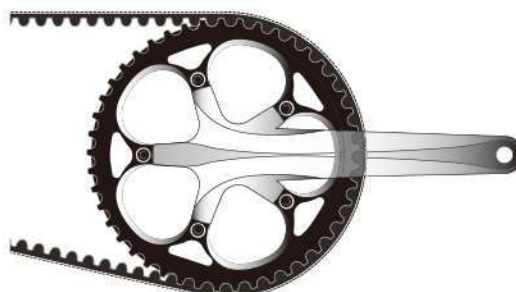
# Crankset for Belt Drive



H32-3W

RT-R

RT-L



- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Spindle: Cr-Mo SCM440
- Chainline: 54mm
- Eccentric BB "H32-3W" Included





# Single-Speed Cranksets



## RT1 (BB-Axle Integrated)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainring: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup> (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 46mm
- Weight: 770g±10g/175mm (BB Not Included)

**RT186**—for Press-Fit BB86 W/Spindle Ø24



## OT (BB-Axle Integrated)

- Cranks: Forged AL7050
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Oval Chainring: 52<sup>T</sup>-S2/S3 (AL7075)
- Spindle: Cr-Mo SCM440
- Speed: 10/11
- Chainline: 46mm
- Weight: 810g±10g/175mm (BB Not Included)



## DT1

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 130mm
- Chainring: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>
- Speed: 10/11
- Weight: 640g/175mm (BB Not Included)



## DT2 (for Track)

- Cranks: Forged AL6061
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 144mm
- Chainring: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>, 50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup> (AL7075)
- Speed: 10/11
- Weight: 774g±10g/175mm (BB Not Included)



## Tool for BB86/92/30 (41mm)

### BB2430 Patent No. M427476

- Install & Remove Bearing 6805 (25 x 37 x 7mm)
- Install & Remove Bearing 6806 (30 x 42 x 7mm)
- Install & Remove Press-Fit BB R92/T86
- Install & Remove R30 (Converter for BB30 to BB24)
- Weight: 1082g (Box Included)

## Tools for Press-Fit 30 (46mm)



### TOOL-DF30 Patent No. M427476 (Assembly & Disassembly)

- Aluminum Alloy with Shiny Finish
- Install and Remove Bearing 6806 (30 x 42 x 7mm)
- Easy Assembly and Disassembly for Press-Fit BB Adapter O.D. 46mm
- Available for Alloy Adapters
- Assembly and Disassembly for End Face of Frame Shell Bigger than BB Adapter Flange O.D. 52mm



1. Insert the Removal Tool



2. Slide the Removal Tool Through the Shell



3. Tap the Cup out with A Hammer



### Y53 (Disassembly)



# Accessories



## Road/MTB Chainrings, Pulley Wheels, Giant Cogs



### R-DIMO3 (for Boost)

Direct Mount
(Narrow-Wide)
Offset: 3mm
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 73g (32 <sup>T</sup> )

### R-DIMO6 (for Non-Boost)

Direct Mount
(Narrow-Wide)
Offset: 6mm
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 85g (36 <sup>T</sup> )

### R-DIMO

Direct Mount
(Narrow-Wide)
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 79g

### RO-DIMO (Oval)

Direct Mount
(Narrow-Wide)
Material: AL7075
Teeth: 32 <sup>T</sup> , 34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 79g



### R-MXX

BCD: 76mm
(Narrow-Wide)
Material: AL7075
Teeth: 28 <sup>T</sup> , 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 38g (28 <sup>T</sup> )

### R-MXX2

BCD: 94mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 70g (36 <sup>T</sup> )

### RO-MXX2 (Oval)

BCD: 94mm
(Narrow-Wide)
Material: AL7075
Teeth: 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 63g (34 <sup>T</sup> )



### R-M8000

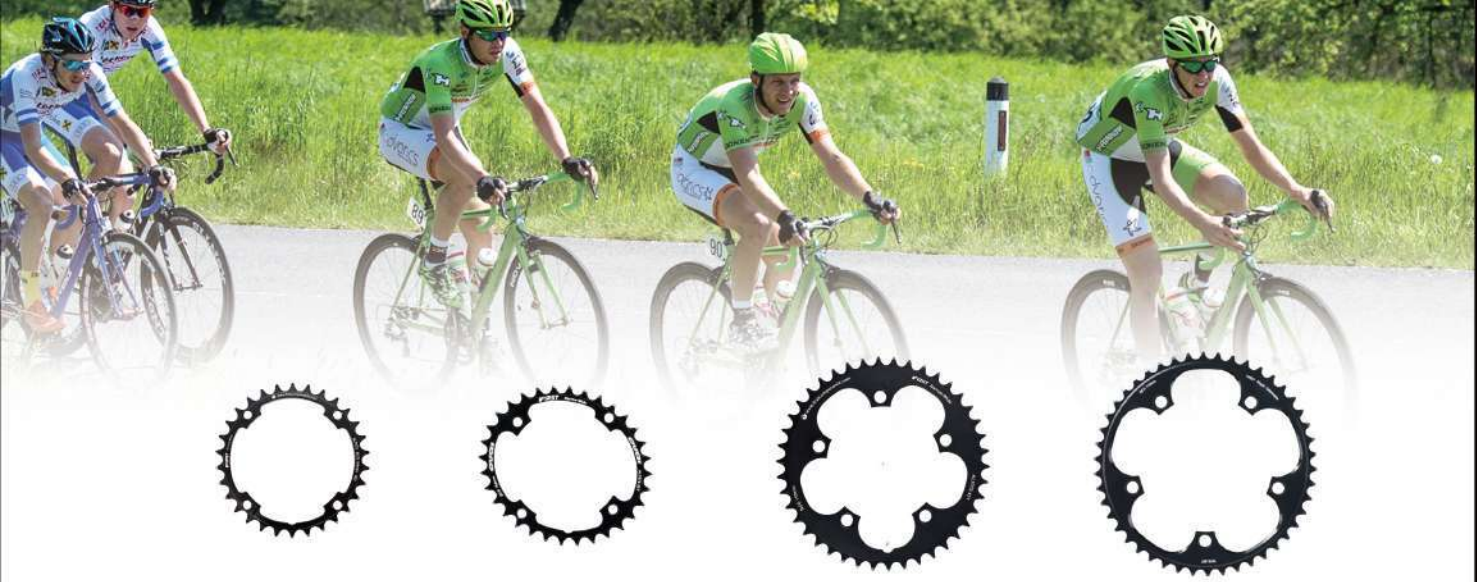
BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 62g (34 <sup>T</sup> )

### RO-M8000 (Oval)

BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup>
34 <sup>T</sup> , 36 <sup>T</sup>
Weight: 64g (34 <sup>T</sup> )

### R-DEOR (Symmetry)

BCD: 96mm
(Narrow-Wide)
Material: AL7075
Teeth: 30 <sup>T</sup> , 32 <sup>T</sup> , 34 <sup>T</sup>
36 <sup>T</sup> , 38 <sup>T</sup>
Weight: 52g (32 <sup>T</sup> )

**R-MH1**

BCD: 104mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 30<sup>T</sup>, 32<sup>T</sup>, 34<sup>T</sup>, 36<sup>T</sup>  
38<sup>T</sup>, 44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>  
Weight: 41g (30<sup>T</sup>)

**R-NWO (Oval)**

BCD: 104mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 32<sup>T</sup>, 34<sup>T</sup>  
36<sup>T</sup>, 38<sup>T</sup>  
Weight: 46g (32<sup>T</sup>)

**R-CT1**

BCD: 110mm  
(Narrow-Wide)  
Material: AL7075  
Teeth: 36<sup>T</sup>, 38<sup>T</sup>  
40<sup>T</sup>, 42<sup>T</sup>  
Weight: 96g (42<sup>T</sup>)

**R-RT1**

BCD: 130mm  
Material: AL7075  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>,  
44<sup>T</sup>, 46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 65g (46<sup>T</sup>)  
(Narrow-Wide Version Available)

**R-DT1**

BCD: 130mm  
Material: AL5182  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>,  
46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 72g (44<sup>T</sup>)

**R-DT2 (Light)**

BCD: 144mm  
Material: AL7075  
Teeth: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>,  
50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup>  
Weight: 148g (50<sup>T</sup>)

**Road Chain Guard**

BCD: 130mm  
Material: AL5182  
Teeth: 39<sup>T</sup>, 40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>,  
46<sup>T</sup>, 48<sup>T</sup>, 50<sup>T</sup>, 52<sup>T</sup>  
Weight: 40g (46<sup>T</sup>)

**R-OT (Oval)**

BCD: 130mm  
Material: AL7075  
Teeth: 52<sup>T</sup>  
Weight: 155g

**R-DT2**

BCD: 144mm  
Material: AL7075  
Teeth: 47<sup>T</sup>, 48<sup>T</sup>, 49<sup>T</sup>,  
50<sup>T</sup>, 51<sup>T</sup>, 52<sup>T</sup>  
Weight: 162g (48<sup>T</sup>)

**MTB Chain Guard**

BCD: 104mm  
Material: AL5182  
Teeth: 34<sup>T</sup>, 36<sup>T</sup>, 38<sup>T</sup>,  
40<sup>T</sup>, 42<sup>T</sup>, 44<sup>T</sup>  
Weight: 75g (44<sup>T</sup>)



# Accessories



## Road/MTB Chainrings, Pulley Wheels, Giant Cogs

2 in 1 BCD: 110/130mm



### R-GTm

BCD: 130/74mm  
Material: AL7075  
Teeth: 48<sup>T</sup>x32<sup>T</sup>, 46<sup>T</sup>x36<sup>T</sup>,  
46<sup>T</sup>x30<sup>T</sup>  
Weight: 145g (46<sup>T</sup>x30<sup>T</sup>)



### R-KT

BCD: 110mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup>,  
52<sup>T</sup>x36<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>  
Weight: 188g (53<sup>T</sup>x39<sup>T</sup>)



### R-CT

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x34<sup>T</sup>  
Weight: 158g



### R-OS (Semi-Oval)

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>  
Weight: 198g



### R-OS1 (Semi-Oval)

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x34<sup>T</sup>  
Weight: 147g



### R-RT/R-DT

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>  
Weight: 138g



### R-OR (Oval)

BCD: 130mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x40<sup>T</sup>  
Weight: 200g



### R-OC (Oval)

BCD: 110mm  
Material: AL7075  
Teeth: 50<sup>T</sup>x35<sup>T</sup>  
Weight: 188g



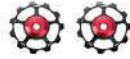
### R-CAMP (Campy)

BCD: 145/112mm  
Material: AL7075  
Teeth: 53<sup>T</sup>x39<sup>T</sup>, 52<sup>T</sup>x38<sup>T</sup>,  
52<sup>T</sup>x36<sup>T</sup>, 50<sup>T</sup>x34<sup>T</sup>  
Weight: 170g (53<sup>T</sup>x39<sup>T</sup>)



**R-MH/R-MP**

BCD: 104/64mm  
 Material: AL7075  
 Teeth: 36<sup>T</sup>x22<sup>T</sup>, 38<sup>T</sup>x24<sup>T</sup>,  
 40<sup>T</sup>x27<sup>T</sup>, 40<sup>T</sup>x28<sup>T</sup>  
 Weight: 74g (36<sup>T</sup>x22<sup>T</sup>)



**Y70A**

Pulley Wheel  
 Material: AL6061  
 Teeth: 11<sup>T</sup>  
 Regular & Ceramic  
 Bearings Available



**Y70A-3**

Pulley Wheel  
 Material: AL6061  
 Teeth: 11<sup>T</sup>  
 Ceramic Bearings



**R-MS/R-MT**

BCD: 104/64mm  
 Material: AL7075  
 Teeth: 44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>,  
 42<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>  
 Weight: 149g (44<sup>T</sup>x32<sup>T</sup>x22<sup>T</sup>)



**Y75A (Narrow-Wide)**

Pulley Wheel  
 Material: AL6061  
 Teeth: 10<sup>T</sup>  
 Regular & Ceramic  
 Bearings Available



**Y80A**

Giant Cog  
 Material: AL7075  
 Teeth: 40<sup>T</sup>, 42<sup>T</sup> (+16<sup>T</sup>)  
 Shimano Only  
 Weight: 96g (42<sup>T</sup>) + 23g



**R-ET**

BCD: 130/74mm  
 Material: AL7075  
 Teeth: 52<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>,  
 50<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>  
 Weight: 202g (52<sup>T</sup>x39<sup>T</sup>x30<sup>T</sup>)



**Header Card Packaging**



**PP Box for Chaining Set**



# T47 BB Sets

For Spindle 30



**M4768 (Internal)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 116g

**M4768E (W/O Sleeve)**



**M4768P (Internal)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 291g



**M4786 (External)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 132g

**M4786E (W/O Sleeve)**



**M4786P (External)**

- Available for BB Shell Width 68~73mm & Spindle 30mm
- M47 x P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 280g



**D47-392F (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 127g



**D47-392FP (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 30mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 109g



# T47 BB Sets

For Spindle 24



**M4786S (External)**

- Available for BB Shell Width 68~73mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M4786SP (W/Nylon Sleeve)**

**M4786ES (W/O Sleeve)**



**M47S (External)**

- Available for BB Shell Width 68~73mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M47SP (W/Nylon Sleeve)**

**M47ES (W/O Sleeve)**



**D47-92S (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 140g



**M4786R (External)**

- Available for BB Shell Width 68~73mm & Spindle 24/22mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M4786RP (W/Nylon Sleeve)**

**M4786ER (W/O Sleeve)**



**M47R (External)**

- Available for BB Shell Width 68~73mm & Spindle 24/22mm
- M47 X P1.0
- Alloy Adapters & Sleeve
- Weight: 147g

**M47RP (W/Nylon Sleeve)**

**M47ER (W/O Sleeve)**



**D47-92SP (Internal)**

- Available for BB Shell Width 86.5~92mm & Spindle 24mm
- M47 X P1.0
- Alloy Adapters & Nylon Sleeve
- Weight: 122g





# Press-Fit BB Sets

For Spindle 30



## GP30

- For BB Shell I.D. 46mm & Width 68~86.5mm
- Internal Thread Fixing Structure-Easy for Assembly
- C-Clamp Wrench Included
- Weight: 260g



## DF30

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 118g



## DF30E

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 95g



## Y30P

- Available for BB Shell I.D. 46mm & Width 68~86.5mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 80g



# Press-Fit BB Sets

For Spindle 24



**DF3024S** (Shimano)  
**DF3024R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 160g/170g



**DF3024ES** (Shimano)  
**DF3024ER** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 126g/136g



**Y3024SP** (Shimano)  
**Y3024RP** (SRAM)

- Available for BB Shell I.D. 46mm & Width 68mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 118g/124g



**DF24S** (Shimano)  
**DF24R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 145g/155g



**DF24ES** (Shimano)  
**DF24ER** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 126g/136g



**Y24SP** (Shimano)  
**Y24RP** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 94g/100g

**GF24S** (Shimano)  
**GF24R** (SRAM)

- Available for BB Shell I.D. 46mm & Width 86.5mm
- Alloy Adapters
- Angular Contact Thrust Bearings
- Weight: 131g/137g

Eco Version (W/O Sleeve)

**GF24ES**: 93g  
**GF24ER**: 102g





# Press-Fit BB Sets

For Spindle 24



**T86 (Shimano)**  
**R86 (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 64g/70g



**R92S (Shimano)**  
**R92R (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5/89.5/92mm
- Alloy Adapters
- Ceramic Bearing Available
- Weight: 92g/96g



**H92S (Shimano)**  
**H92R (SRAM)**

- Available for BB Shell I.D. 41mm & Width 86.5/89.5/92mm
- Nylon Adapters
- Ceramic Bearing Available
- Weight: 77g/83g

**G92S (Shimano)**  
**G92R (SRAM)**

- For BB Shell I.D. 41mm & Width 86.5—92mm
- Internal Thread Fixing Structure-Easy for Assembly
- Adapters Compatible with Shimano 16T Wrench
- Weight: 110g/116g



BB Parts



**B24 (BB30)**



**BP24 (BB30+PF30)**



**BO24 (BB30+OS 30)**



*3in 1*  
**(3 in 1 Integrated BB Reducer)**



**BOP24/ (BOP24R-BB30+PF30+OSBB)**

- Available for Shell I.D. of BB30 (42mm), Press-Fit 30 (46mm) and OSBB (O.D. 46mm/Width 61mm)
- Convert Above BB to Shimano & SRAM



**B24R**



**BP24R**



**BO24R**



## External BB Sets

For Spindle 24 & 30



**H-TSH** (Shimano)  
**H-GXP** (SRAM)

- 2 Sealed Bearings
- For Shell 68~73mm
- Ceramic Bearing Available
- Weight: 105g/115g



**NH-TSH** (Shimano)  
**NH-GXP** (SRAM)

- 2 Sealed Bearings
- For Shell 68~73mm
- Ceramic Bearing Available
- Weight: 98g/108g



**R83S** (Shimano)  
**R83R** (SRAM)

- 2 Sealed Bearings
- For Shell 83mm
- Ceramic Bearing Available
- Weight: 112g/118g

### NH-TSHW/NH-GXPW

- Waterproof Version



**Y30T**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 10.2mm
- Ceramic Bearing Available
- Weight: 93g



**Y30F**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 9.3mm
- Ceramic Bearing Available
- Weight: 90g



**T30**

- 2 Sealed Bearings
- For Shell 68~73mm
- Alloy Adapters 11.2mm
- Ceramic Bearing Available
- Weight: 99g



## BB for Fat Bike



**NHTSH1** (177.5)  
**NHTSH2** (190.5)

- Available for Shell Width 100mm & OLD 170mm
- 2 Sealed Bearings
- Ceramic Bearing Available
- Weight: 132g

### NHTSH2

- Available for Shell Width 100/120mm & OLD 190mm



**R92S** (100/120)  
**R92R** (100/120)

- Available for Shell Width 100/120mm & OLD 190mm
- 2 Sealed Bearings
- Ceramic Bearing Available
- Weight: 120g



**F-2001E** (100)

- Steel Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 369g



# Eccentric BB Sets



**H32**

- For BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Weight: 172g



**G32**

- For BB Shell I.D. 46mm & Width 68~73mm
- JIS BB Only
- Weight: 85g



**H32-3W**

- For BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Nylon Sleeve
- Weight: 192g

**H32-3**

- Available for BB Shell I.D. 46mm & Width 68~73mm
- Shimano & SRAM Compatible
- Weight: 182g



**G210A**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 269g



**BLOG X**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 200g



**P220A**

- Eccentric BB set
- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Weight: 228g





# Converter BB Sets



## D4234A

- Converter for BB30 to BSA
- BB Shell Width 68~73mm
- Alloy Adapters
- Weight: 34g



## D4634A

- Converter for PF30 to BSA
- BB Shell Width 68~73mm
- Alloy Adapters
- Weight: 55g



## D4641A

- Converter for PF30 to I.D. 41mm
- BB Shell Width 86.5~92mm
- Alloy Adapters
- Weight: 26g

## G207A (Patent No. M536195)

- Converter for PF30 to BSA
- Loosening and Tightening Bolts to Remove and Assembly
- Versions for 68mm and 73mm Available
- Weight: 118g



## S30

- Available for BB Shell I.D. 46mm & Width 68~73mm
- Weight: 95g



## F30

- Available for BB Shell I.D. 42mm & Width 68~73mm
- Weight: 64g



## H515

- Adapter for American BMX to BSA System
- Weight: 135g



# Cartridge BB Sets



**DX-30**

- Alloy Cups & Sleeve
- Water-proof & Anti-loosening
- 2 Sealed Bearings
- BSA, French and ITA
- Weight: 244g



**F-2001E**

- Steel Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 278g



**F-2001P**

- Nylon Cups
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 240g



**MP-60**

Nylon

- Steel & Nylon Cup
- 2 Sealed Bearings
- Aluminum Sleeve
- Weight: 268g



# Regular BB Sets



**LF-718**

- T: 7/8" x 24<sup>T</sup>-Left  
15/16" x 24<sup>T</sup>-Right
- B: 5/16" x 9
- F: UCR, BK/9PCS
- LF-718-43
- CUP O.D.43mm



**LF-712**

- T: Ø 1.37" x 24<sup>T</sup>
- B: 1/4" x 9
- F: CP, UCR, BK/5PCS



LF-712W-Waterproof



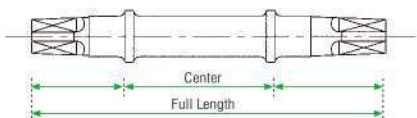
**LF-120**

- Length of BB Axle  
153mm, 148mm, 145mm
- (3717) Cup O.D. 35mm,  
Ball Size 3/16" x 11
- (3720) Cup O.D. 40mm,  
Ball Size 1/4" x 9B
- Set: 9pcs



**LF-124/LF-125**

- Length of BB Axle  
128mm, 132mm, 136mm
- Cup O.D. 35mm,  
Ball Size 3/16" x 11
- Cup O.D. 40mm,  
Ball Size 1/4" x 9B
- Cup O.D. 51.5mm,  
Ball Size 5/16" x 9



**COTTERLESS AXLE**

- Bolt Type, Black Finish
- Nut Type, Black Finish
- Axle Length Available on Request

Ceramic



**6805/6806**

- 37 x 25 x 7mm
- 42 x 30 x 7mm



**SPACER (Nylon)**

- 41 x 35 x 2mm
- 42 x 35 x 2.5mm



**M12**



**M8**



**M15**



**M15 (Titanium)**



# Tapered Headsets



**G301A**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
G301A	1-1/8"	41.8/52	39.8	11.6	



**RB3K/RB4K**  
 IS42/28.6 | IS52/40  
 IS42/28.6 | IS52/40  
 Nylon cap  
 Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
RB3K	1-1/8"	41.8/52	39.8	16.8	
RB4K	1-1/8"	41.8/52	39.8	16.4	



**P504A**  
 IS41/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
P504A	1-1/8"	41/52	39.8	5.5	



**P40F**  
 IS41/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
P40F	1-1/8"	41/52	39.8	9.8	



**H40FS**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
H40FS	1-1/8"	41.8/51.8	39.8	16.4	



**S40F**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
S40F	1-1/8"	41.8/51.8	39.8	8.6	



**M40**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
M40	1-1/8"	41.8/52	39.8	10	



**M44**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
M44	1-1/8"	41.8/46.8	33	10.1	



**D40F**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D40F	1-1/8"	41.8/52	39.8	16.5	



**D40K**  
 IS42/28.6 | IS52/40  
 Alloy, Sealed Bearings  
 1-1/8" to 1.5"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D40K	1-1/8"	41.8/52	39.8	9.3	



**D44F**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D44F	1-1/8"	41.8/46.8	33	16.6	



**D44K**  
 IS42/28.6 | IS47/33  
 Alloy, Sealed Bearings  
 1-1/8" to 1-1/4"  
 Tapered Steerer

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
D44K	1-1/8"	41.8/46.8	33	9.4	





# Tapered Headsets



## G508A

ZS44/28.6 | ZS56/40  
Alloy Cap/Cup,  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G508A	1-1/8"	44/56	39.8	12.5	



## RK/RK1/RK2

ZS44/28.6 | ZS56/40  
ZS44/28.6 | ZS55/30  
ZS44/28.6 | ZS55/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
RK	1-1/8"	44/56	39.8	12.5	
RK1	1-1/8"	44/55	30	12.5	
RK2	1-1/8"	44/55	39.8	12.5	



## Y35

ZS44/28.6 | ZS56/30  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" Steerer  
Angle Adjustable  $\pm 1^\circ$

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y35	1-1/8"	44/56	30	14.2	



## Y33

ZS44/28.6 | ZS49/30  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" Steerer  
Angle Adjustable  $\pm 1^\circ$

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y33	1-1/8"	44/49.6	30	14.2	



## HS3

ZS44/28.6 | ZS56/40  
Alloy Cap/Steel Cup  
Cartridge Bearing/  
Ball Retainer  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HS3	1-1/8"	44/56	39.8	12.9	



## HRK1/HRK2

ZS44/28.6 | ZS55/40  
ZS44/28.6 | ZS56/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HRK1	1-1/8"	44/55	39.8	19.8	
HRK2	1-1/8"	44/56	39.8	19.8	



## CS3N

ZS44/28.6 | ZS56/40  
Nylon Cap/Steel Cup  
Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3N	1-1/8"	44/56	39.8	21.6	



## CS3

ZS44/28.6 | ZS56/40  
Nylon Cap/Steel Cup  
Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3	1-1/8"	44/56	39.8	8.3	



## CS3-4

ZS44/28.6 | EC44/40  
Steel, Ball Retainers  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CS3-4	1-1/8"	44	39.8	16	



## D344A

ZS44/28.6 | EC44/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D344A	1-1/8"	44	39.8	22.2	



## DS

ZS44/28.6 | EC44/40  
Alloy Cap/Cup  
Sealed Bearings  
1-1/8" to 1.5"  
Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DS	1-1/8"	44	39.8	20.9	



## G502S

EC34/28.6 | ZS44/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G502S	1-1/8"	34/44	30	17.5	



# Tapered Headsets

Angle-Limited



## D346S

ZS44/28.6 | ZS56/40  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/Ball  
 Retainer  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D346S	1-1/8"	44/56	39.8	19	



## D346A

ZS44/28.6 | ZS56/40  
 Alloy Cap/Cup  
 Sealed Bearings  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D346A	1-1/8"	44/56	39.8	20.4	



## D345S

ZS44/28.6 | ZS55/40  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/Ball  
 Retainer  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D345S	1-1/8"	44/55	39.8	19	



## D345A

ZS44/28.6 | ZS55/40  
 Alloy Cap/Cup  
 Sealed Bearings  
 Tapered Angle  
 Limited Headset  
 1-1/8" to 1.5"

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D345A	1-1/8"	44/55	39.8	20.4	



# Integrated Headsets



## G507A

IS42/28.6 | IS42/30  
 Alloy, Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
G507A	1-1/8"	41.8	30	16.5	



## SK

IS42/28.6 | IS42/30  
 Alloy, Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
SK	1-1/8"	41.8	30	11.9	



## SI

IS41/28.6 | IS41/30  
 Alloy, Sealed Bearings  
 ACB 36° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
SI	1-1/8"	41	30	11.6	



## RB2/RB3

IS42/28.6 | IS42/30  
 IS42/28.6 | IS42/30  
 Nylon Cap,  
 Sealed Bearings  
 ACB 45° x 45°

Model	Dia	Top Nut	Bearing O.D	Crown Cone	Height
RB2	1-1/8"	41.8	30	16.4	
RB3	1-1/8"	41.8	30	16.7	



# Semi-Integrated Headsets



**H**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
H	1-1/8"	44	30	13	



**HAC**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HAC	1-1/8"	44	30	13.9	



**HSC**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Steel Cup  
 Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HSC	1-1/8"	44	30	13	



**H27**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
H27	1-1/8"	44	30	11.9	



**P502A**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
P502A	1-1/8"	44	30	4.2	



**C**  
 ZS44/28.6 | ZS44/30  
 Nylon Cap/Steel Cup  
 Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
C	1-1/8"	44	30	9.1	



**CWN**  
 ZS44/28.6 | ZS44/30  
 Nylon Cap/Steel Cup  
 Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
CWN	1-1/8"	44	30	22.4	



**Y32 (1°/1.5°/2°)**  
 ZS49/28.6 | ZS49/30  
 Alloy Cap/Cup  
 Sealed Bearings  
 Angle Adjustable  
 ±1°/1.5°/2°

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y32	1-1/8"	49.6	30	14.2	



**D544A**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Cup  
 Sealed Bearings  
 Angle-Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D544A	1-1/8"	44	30	20.4	



**D544S**  
 ZS44/28.6 | ZS44/30  
 Alloy Cap/Steel Cup  
 Cartridge Bearing/  
 Ball Retainer  
 Angle-Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D544S	1-1/8"	44	30	19	



**G**  
 ZS44/28.6-26tpi | ZS44/30  
 Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
G	25.4	44	30	19.5	



**D560S**  
 ZS44/28.6-26tpi | ZS44/30  
 Steel, Ball Retainers  
 Angle Limited Headset

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D560S	25.4	44	30	21.5	



# Threadless Headsets



## D510A

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
D510A	1-1/8"	34	30	28	



## Y90A-1

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y90A-1	1-1/8"	30/30.2	27/26.4	28.8	



## Y95A-1

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y95A-1	1"	30/30.2	27/26.4	29.1	



## PZ

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PZ	1-1/8"	34	30	28.7	



## F-996AW F-997AW

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-996AW	1-1/8"	34	30	28.9	
F-997AW	1"	30/30.2	27/26.4	29.5	



## UN-02 UN-01

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
UN-02	1-1/8"	34	30	26.8	
UN-01	1"	30/30.2	27/26.4	26	



## PP

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PP	1-1/8"	34	30	29.9	



## PQ

EC29/25.4 | EC29/27  
EC30/25.4 | EC30/26  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
PQ	1"	30/30.2	27/26.4	26.1	



## DP

EC34/28.6 | EC34/30  
Alloy Cap/Cup  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DP	1-1/8"	34	30	29.9	



## Z Z1

EC34/28.6 | EC34/30  
EC29/25.4 | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Z	1-1/8"	34	30	22.9	
Z1	1"	30	27	22.8	



## BI

EC34/28.6 | EC34/30  
Steel  
Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
BI	1-1/8"	34	30	27.8	



## F-991SW

EC34/28.6 | EC34/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-991SW	1-1/8"	34	30	26.2	



# Threaded Headsets



### Y90A

EC29/25.4-24tpi | EC29/27  
EC30/25.4-24tpi | EC30/26  
Alloy Cap/Cap  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y90A	22.2	30/30.2	27/26.4		34.7



### Y95A

EC29/25.4-24tpi | EC29/27  
EC30/25.4-24tpi | EC30/26  
Alloy Cap/Cap  
Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
Y95A	22.2	30/30.2	27/26.4		36



### F-215AW F-216AW

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Sealed Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-215AW	25.4	34	30		39.4
F-216AW	22.2	30	27		39



### F-978AW F-979AW

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-978AW	25.4	34	30		35.8
F-979AW	22.2	30	27		36.6



### LF-867AW LF-9001AW

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-867AW	25.4	34	30		38.6
LF-9001AW	22.2	30	27		36.8



### M94

EC34/28.6-26tpi | EC34/30  
Alloy, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
M94	25.4	34	30		38



### LF-844

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-844	22.2	30	27		35.7



### LF-842E

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
LF-842E	22.2	30	27		34.9
LF-842EA	22.2	32.5	27		34.9
LF-842EH	22.2	34	27		34.9



### F-973SW

EC34/28.6-26tpi | EC34/30  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-973SW	25.4	34	30		34.3



### F-974EW

EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-974EW	22.2	30	27		34.4
F-974EAW	22.2	32.5	27		34.4
F-974EHW	22.2	34	27		34.4



### F-985SW F-986SW

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Steel, Cartridge Bearings

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-985SW	25.4	34	30		38.3
F-986SW	22.2	30	27		38.4



Patent No. 222603

### F-208SW F-218SW

EC34/28.6-26tpi | EC34/30  
EC29/25.4-24tpi | EC29/27  
Steel, Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
F-208SW	25.4	34	30		32.6
F-218SW	22.2	30	27		30.4



# Accessories

## REDUCER

M49A (49/44)/M55A (55/44)/M56A (56/44)



## Spacers



**CARBON SPACER**



**MICRO SPACER**  
(0.25MM)



**ALLOY SPACER**



**CX**  
(5/10/15mm)



**D120A**  
(3/5mm)



**CS**  
(5/10/15mm)

## Top Caps

Stem adjuster-TL is designed on the base of safety and light which is suitable for 1-1/8" racing bike and folding bike. With same locking structure of T22 and T24, this stem adjuster with two-stair rings is available for both 1-1/8" alloy fork (ID24.6mm) and steel fork (ID 25.4mm). Different spacers can be added according to your needed height. The height can be added 4cm.



**TL**

According to traditional vertical design, the top cap assembly tends to get sliding loosening. Our T22/T23/T24 are made of aluminum alloy for reducing the weight. Moreover, 2-step designed top cap was based on easier assembly and disassembly. Without affecting by the steerer material, it can always be used repeatedly with its special patented horizontal line expanding which fixes more tightly to the steerer inner wall. It is safer and suitable for your 1-1/8" racing bike or folding bike.



**T22/T23/T24**(1-1/8")



**D19-1**  
(1")



**D20.5**  
(1-1/8")



**D22/D23/D24**  
(1-1/8")



**D22C-1/D23C-1**  
(1-1/8")



**F88A-18**  
(1-1/8")



**F88A-32**  
(1-1/8")



**G505A**  
(1-1/8")



**G506A**  
(1-1/8")



**F58-3A/F58-4A**  
(1-1/8")/(1")



**F58-10A**  
(1-1/8")



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