



FIRST ALL THE WAY

Cranksets · Tools · BB Sets · Headsets





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Why are we the best in the BB, Headset, and Crankset business?

Because you get the most elegantly and precisely engineered bicycle components currently available, and because of this you will:

Keep your customers satisfied for longer—if you are a bike shop

Keep your bike(s) doing what you want them to reliably—and for longer—If you are an end user

38 Years Of Experience In The Bicycle Industry

How Do We Keep Your Customers Satisfied?

Through Product Research, Development, and Innovation, continuously since 1984.

On top of this RD&I foundation are the 4 pillars forming the key foci of our business.

Product Design

Give us your drawings or even a few ideas on a piece of paper. We'll bring your visualized product to fruition quickly and efficiently.

Material Selection

Our deep connections throughout Taiwan's complete supply chain enables us to find the right material at the right price.

Manufacturing

We do most of our machining and assembly in house. Any outsourcing is only entrusted to workshops we've worked with for decades.

Quality Of Product

Our rigorous QC regime creates components your customers will love, ensuring they'll be back for more when they finally need to.

We've Got You Covered

- 38+ Years Of Experience
- Precision Engineering
- Competitive Price
- Continuous Innovation



Registered to ISO 9001



Direct Mount Crankset -

Stronger and more Durable

TT1 (Direct Mount)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- Chainrings: 32^T, 34^T
- Spindle: Cr-Mo SCM440
- Speed: 12
- Chainline: 49mm / 52mm / 55mm
- Weight: 727g±10g/175mm (BB Not Included)



TT2 (Direct Mount)

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- Chainrings: 38^Tx24^T
- Spindle: Cr-Mo SCM440
- Speed: 12
- Chainline: 49mm
- Weight: 798g±10g/175mm (BB Not Included)



Cranksets





Road Bike Cranksets

4-Arm

A03

KT1(4-Arm)-1X Gravel

- Cranks: Forged AL6066
- Length: 165mm, 170mm, 172.5mm, 175mm
- BCD: 110mm
- Chainrings: 40^T, 42^T, 46^T
- Spindle: Cr-Mo SCM440
- Speed: 12
- Chainline: 42mm
- Weight: 765g±10g/175mm (BB Not Included)

1x Gravel



Cranksets



Accessories

Chainrings, Pulley Wheels



Y70A-6

(12T)



Y70A-5

(13T)



Y70A-7

(15T)



Y75A-2

(14T)
Narrow-Wide



TE

- Direct Mount (Narrow-Wide)
- Material: AL7075
- Teeth: 38^T
- Yamaha PW-X Compatible
- Weight: 112g (38^T)



R-TT1 (CL49)

- Direct Mount (Narrow-Wide)
- Material: AL7075
- Teeth: 32^T, 34^T
- Weight: 77g (32^T)



R-TT1 (CL52)

- Direct Mount (Narrow-Wide)
- Material: AL7075
- Teeth: 32^T, 34^T
- Weight: 72g (32^T)



R-M9100

- Direct Mount (Narrow-Wide)
- Material: AL7075
- Teeth: 30^T~38^T
- Shimano Compatible
- Weight: 67g (32^T)



R-TC82

- BCD: 82mm (Narrow-Wide)
- Material: AL7075
- Teeth: 28^T, 30^T
- Weight: 53g (30^T)



Toolsets & Tools



28.99

BB Toolset

Introducing the world's first toolset
for SRAM's new DUB (28.99) bottom bracket and spindle standard.
Removes 41, 42 & 46mm I.D. Press-Fit Bottom Brackets



T30

- 12T
- Weight: 164g



D47-392F

- 16T
- Weight: 178g



M47-1216

- 12T & 16T
- Weight: 182g



TOOL-FR1224

- 12T & 24T
- Weight: 182g



TOOL-PR3747

- Weight: 166g



TOOL-3747D

- Compatible with SRAM DUB BSA 24T & DUB T47 16T
- Weight: 170g

T47 BB

DUB BB Sets 28.99



Sets



T47 BB Sets

For 85.5 BB Shell Width



C47-385

- Available for spindle 30mm
- Alloy Adapters & Sleeve
- Wrench (D47-392F) Included
- Weight: 177g

C47-385E (W/O Sleeve)



C47-385P

- Available for spindle 30mm
- Alloy Adapter & Nylon Sleeve
- Wrench (D47-392F) included
- Weight: 158g



C47-985

- Available for spindle 28.99mm
- Alloy Adapters & Sleeve
- Wrench (D47-392F) Included
- Weight: 172g



D47-85

- Available for spindle 24mm
- Alloy Adapter & Sleeve
- Wrench (D47-392F) included
- Weight: 142g



D47-85R

- Available for spindle 24/22mm
- Alloy Adapter & Sleeve
- Wrench (D47-392F) included
- Weight: 142g



C4785D

- Available for spindle 28.99mm
- Alloy Adapter & Sleeve
- Wrench (TOOL-3747D) included
- Weight: 120g



D47-85P

- Available for spindle 24mm
- Alloy Adapter & Nylon Sleeve
- Wrench (D47-392F) included
- Weight: 123g



D47-85RP

- Available for spindle 24/22mm
- Alloy Adapter & Nylon Sleeve
- Wrench (D47-392F) included
- Weight: 123g



C4785DP

- Available for spindle 28.99mm
- Alloy Adapter & Nylon Sleeve
- Wrench (TOOL-3747D) included
- Weight: 102g



T47 BB Sets

For Spindle 24mm/28.99mm/30mm

A07



T47-2977 (Asymmetrical)

- Available for BB shell width 77mm & spindle 28.99mm
- Alloy Adapter & Sleeve
- Wrench (M47-1216) included
- Weight: 132g



T47-3077 (Asymmetrical)

- Available for BB shell width 77mm & spindle 30mm
- Alloy Adapter & Sleeve
- Wrench (M47-1216) included
- Weight: 156g



R4729A

- Available for BB shell width 68/73mm & spindle 28.99mm
- Wrench (T30) Included
- Weight: 122g



T47-2477 (Asymmetrical)

- Available for BB shell width 77mm & spindle 24mm
- Alloy Adapter & Sleeve
- Wrench (M47-1216) included
- Weight: 164g



T47-2277 (Asymmetrical)

- Available for BB shell width 77mm & spindle 24/22mm
- Alloy Adapter & Sleeve
- Wrench (M47-1216) included
- Weight: 168g



T4734A

- Converter for T47 to BSA
- Alloy Adapters
- Weight: 69g





Press-Fit BB Sets

For Spindle 28.99mm



R4129A

- For I.D. 41mm & Width 89.5/92mm BB Shell
- Two Wrenches (TOOL-FR1224) Included
- Weight: 147g



R4229A

- For I.D. 42mm & Width 73mm BB Shell
- Two Wrenches (T30) Included
- Weight: 145g



R4629A

- For I.D. 46mm & Width 73mm BB Shell
- Two Wrenches (T30) Included
- Weight: 162g



P4129A

- Available for BB Shell I.D. 41mm & Width 89.5~92mm
- Steel Adapters & Alloy Sleeve
- Weight: 126g



P4229A

- Available for BB Shell I.D. 42mm & Width 73mm
- Alloy Adapter & Sleeve
- Weight: 116g



P4629A

- Available for BB Shell I.D. 46mm & Width 73mm
- Alloy Adapters & Sleeve
- Weight: 126g



C4129AF (Fat Bike BB)

- Available for BB Shell I.D. 41mm & Width 121mm
- For Spindle 28.99mm
- Weight: 138g



C4186D

- Available for BB shell I.D. 41mm & width 86.5mm
- Steel Adapter & Alloy Sleeve
- Weight: 112g



P46986

- Available for BB shell I.D. 46mm & width 86.5mm
- Alloy Adapter & Sleeve
- Weight: 117g



Press-Fit BB Sets

For Spindle 24mm/30mm



R4624A-S (Shimano)

- For BB Shell I.D. 46mm & Width 68~73mm
- Alloy Adapters
- Weight: 145g



R4624A-R (SRAM)

- For BB Shell I.D. 46mm & Width 68~73mm
- Alloy Adapters
- Weight: 145g



R4630A

- For BB Shell I.D 46mm & Width 68~86.5mm
- Double Row Bearings
- Two Wrenches (D47-392F) Included
- Weight: 140g



P4624A-S (Shimano)

- For BB Shell I.D 46mm & Width 86.5mm
- Thread-Fit
- Two Wrenches (D47-392F) Included
- Weight: 143g



P4624A-R (SRAM)

- For BB Shell I.D 46mm & Width 86.5mm
- Thread-Fit
- Two Wrenches (D47-392F) Included
- Weight: 143g



External BB Sets

For Spindle 28.99mm



P3729A

- Available for 1.37" x 24T BB Shell & Width 68~73mm
- Wrench (TOOL-FR1224) Included
- Weight: 107g



C3729AF (Fat Bike BB)

- Available for 1.37" x 24T & BB Shell Width 100mm
- For Spindle 28.99mm
- Wrench (TOOL-FR1224) Included
- Weight: 104g



Eccentric BB set



P237SA

- For 1.37" x 24T & Width 68/73mm BB Shell)
- Hexagonal Adapters for Bigger Range of Adjustment
- Tool-PR3747 Wrench Included
- Weight: 212g



R247SA

- For M47 x P1.0 & Width 68/73mm BB Shell)
- Hexagonal Adapters for Bigger Range of Adjustment
- Tool-PR3747 Wrench Included
- Weight: 287g



C247D

- For M47 x P1.0 & Width 68/73mm BB Shell & spindle 28.99mm
- Hexagonal Adapters for Bigger Range of Adjustment
- Tool-PR3747 Wrench Included
- Weight: 264g



P220A-1



- JIS BB
- For BB Shell I.D. 54.5mm & Width 68mm
- Design for E-Bike
- Weight: 228g



P106A

- M47 X P1.0
- For BB Shell I.D. 60.3mm & Width 68mm
- Weight: 118g



G206A

- Eccentric BB for Tandem Bike
- I.D.46mm
- For BB Shell Width 86mm
- Weight: 125g



Tapered Headsets-Angle-Limited

A11

Head Parts



P507A (Patent No.: M579129)

ZS42/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer
- Angle-Limited

Dia Model	Top Nut	Bearing O.D.	Crown Cone	Height
P507A	1-1/8"	42/52	39.8	15.7



C307A-1

ZS44/28.6 | ZS56/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer
- Angle-Limited

Dia Model	Top Nut	Cup O.D	Crown Cone	Height
C307A-1	1-1/8 th	44/56	39.8	17.8

C307A

ZS44/28.6 | ZS44/30

- Alloy Cap/Cup
- Sealed Bearings
- Angle-Limited

Dia Model	Top Nut	Cup O.D	Crown Cone	Height
C307A	1-1/8"	44	30	17.8



Internal Cable Routing Headsets



C522A

IS52/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C522A	1-1/8"	51.8	39.8	11.5	



C522A-1

IS52/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C522A-1	1-1/8"	51.8	39.8	11.5	



C522A-3

IS52/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C522A-3	1-1/8"	51.8	39.8	11.5	



C525A

IS52/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C525A	1-1/8"	51.8	39.8	14	



C522A-7

IS52/28.6 | IS60/45.8

- Alloy, Sealed Bearings
- 1-1/8" to 1.8"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C522A-7	1-1/8"	51.8/60	45.8	11.5	



C522A-8

IS52/28.6 | IS60/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C522A-8	1-1/8"	51.8/60	39.8	11.5	



C522A-5

IS52/28.6 | ZS56/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
C522A-5	1-1/8"	51.8/56	39.8	13.4	



C522A-2

IS52/28.6 | EC49/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
C522A-2	1-1/8"	51.8/49.6	39.8	23.7	



Internal Cable Routing Headsets

A13



Head Parts



INTERNAL CABLE ROUTING HEADSET WATERPROOF



C660A (waterproof)

ZS56/28.6 | ZS66/45.8

- Alloy, Sealed Bearings
- 1-1/8" to 1.8"
- Tapered Head Tube & Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
C660A	1-1/8"	56/66	45.8	11.2



C550A (waterproof)

ZS56/28.6 | ZS56/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
C550A	1-1/8"	56	39.8	11.5



C554A (waterproof)

ZS56/28.6 | ZS56/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer
- Angle-Limited

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
C554A	1-1/8"	56	39.8	12.3



Tapered Headsets



D40F-7

IS42/28.6 | IS60/45.8

- Alloy, Sealed Bearings
- 1-1/8" to 1.8"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
D40F-7	1-1/8"		41.8/60	45.8	16.4



D40F-8

IS42/28.6 | IS60/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
D40F-8	1-1/8"		41.8/60	39.8	16.4



P504A-1

IS42/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
P504A-1	1-1/8"		41.8/52	39.8	5.4



C361A

IS52/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
C361A	1-1/8"		52	39.8	8.3



R520A

IS42/28.6 | IS52/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Bearing O.D.	Crown Cone	Height
R520A	1-1/8"		41.8/52	39.8	26.5-33.5



P506A

ZS44/28.6 | ZS56/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
P506A	1-1/8"		44/56	39.8	4.9



C566A-3

ZS44/28.6 | ZS66/45.8

- Alloy, Sealed Bearings
- 1-1/8" to 1.8"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
C566A-3	1-1/8"		44/66	45.8	12



C566A-4

ZS44/28.6 | ZS66/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
C566A-4	1-1/8"		44/66	39.8	12



P502A-344

ZS44/28.6 | EC44/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Cup O.D.	Crown Cone	Height
P502A-344	1-1/8"		44	39.8	16



Tapered Headsets



CS3-5

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
CS3-5	1-1/8"	44	39.8	19.8



P506A-1

ZS44/28.6 | EC44/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
P506A-1	1-1/8"	44	39.8	14.9



C566A

ZS56/28.6 | ZS66/45.8

- Alloy, Sealed Bearings
- 1-1/8" to 1.8"
- Tapered Head Tube & Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
C566A	1-1/8"	56/66	45.8	11.2



PZ-502A

EC34/28.6 | ZS44/30

- Alloy, Sealed Bearings
- 1-1/8"
- Tapered Head Tube

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
PZ-502A	1-1/8"	34/44	30	19.2



PZ-344A

EC34/28.6 | EC44/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
PZ-344A	1-1/8"	34/44	39.8	31



D510A-1

EC34/28.6 | EC44/40

- Alloy, Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia Top Nut	Cup O.D	Crown Cone	Height
D510A-1	1-1/8"	34/44	39.8	28.2



Tapered Headsets



T571S

ZS44/28.6-26tpi | ZS56/40

- Alloy cap & Steel cups
- Ball Retainers
- 1-1/8" to 1.5"
- Tapered Head Tube & Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
T571S	25.4	44/56	39.8	18.9	



C549A

ZS49/28.6 | EC49/40

- Alloy Cap/Cup
- Sealed Bearings
- 1-1/8" to 1.5"
- Tapered Steerer

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
C549A	1-1/8"	49.6	39.8	19.8	



Semi-Integrated Headsets



DM-A1/A2/A4/A5

ZS55/28.6 | ZS55/40

ZS55/28.6 | ZS55/30

ZS56/28.6 | ZS56/40

ZS56/28.6 | ZS56/30

- Alloy, Sealed Bearings
- ACB 45° x 45°

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DM-A1	1-1/8"	55	39.8	12.3	
DM-A2	1-1/8"	55	30	12.3	
DM-A4	1-1/8"	56	39.8	12.3	
DM-A5	1-1/8"	56	30	12.3	



DM-S1/S2/S4/S5

ZS55/28.6 | ZS55/40

ZS55/28.6 | ZS55/30

ZS56/28.6 | ZS56/40

ZS56/28.6 | ZS56/30

- Alloy Cap & Steel Cups
- Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DM-S1	1-1/8"	55	39.8	13.1	
DM-S2	1-1/8"	55	30	13.1	
DM-S4	1-1/8"	56	39.8	13.1	
DM-S5	1-1/8"	56	30	13.1	



DM-S/DM-S3

ZS55/38.1 | ZS55/40

ZS56/38.1 | ZS56/40

- Alloy Cap & Steel Cups
- Ball Retainers

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DM-S	1.5"	55	39.8	13.1	
DM-S3	1.5"	56	39.8	13.1	



DM-A/DM-A3

ZS55/38.1 | ZS55/40

ZS56/38.1 | ZS56/40

- Alloy, Sealed Bearings
- ACB 45° x 45°

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
DM-A	1.5"	55	39.8	12.3	
DM-A3	1.5"	56	39.8	12.3	



Threaded Headsets



Y90A

EC29/25.4-24tpi | EC29/27
EC30/25.4-24tpi | EC30/26

- Alloy Cap/Cup
- Sealed Bearings



Threadless Headsets



P701A

EC29/25.4-24tpi | EC29/27
EC30/25.4-24tpi | EC30/26

- Alloy Cap & Cups,
Steel Crown Race
- Sealed Bearings



HBI

EC34/28.6 | EC34/30

- Alloy Cap/Steel Cups
& Crown Race
- Cartridge Bearings
- Angle-Limited

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

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
P701A	22.2	30/30.2	27/26.4	35.4	

Model	Dia	Top Nut	Cup O.D	Crown Cone	Height
HBI	1-1/8"	34	30	38.3	





Cranksets, BB Sets, Headsets, Tools, E-Bike Components

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



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www.firstcomponents.com sales@firstcomponents.com