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New revolutionary hub/bearing structure patent



Where is the bearing hole, where is the bearing load:

FBL-Free bearing load fixing/axle set

Feature:

1. Patent Ind. bearing w/inner threaded core can block bearing any place of the axle.
(Bearing code: 6Kzz-M10)



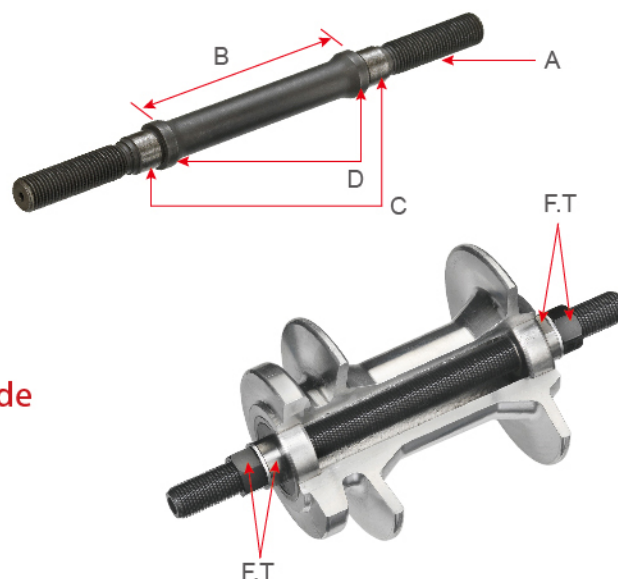
Easy/Simple assembly steps:

1. Insert bearings to the hub shell as usual type.
2. Roll the whole threaded axle thru. the 2 bearings w/fix direction.
3. Finished assembly w/fixing nuts fixed on both sides.

2. Fix the bearing wherever w/fix nuts on the axle
(Defined w/hub)
3. Can follow the bearing locations on the hub automatically. (Needless measure)

Benefits compare w/Usual bearing type axle :

- A. Cost down from needless of CNC machining.
- B. Adjustable or free load of bearing lock, relax the hub bearing distance tolerance as used to.
- C. Cost down from needless of bearing grind Dia.
- D. Cost down w/o 2 x bearing block, save material.
- E. Suit all kinds of brands/items/front-rear hub in 6000zz Ind. Bearing. Good for after-service, repair, upgrade,
- G. Pair w/Our bearing cap, steel hubs retainer bearing available.
- H. Fine turn directly from outside of the hub directly available when the axle is worn after a certain biking period.



(FT) When the axle-worn load, fine turn from outside of the hub directly is available.

- Step1. Loosen 2 sides of fixing nuts
- Step2. Adjust the tightness from 2 sides of the inner thread bearing to resume the suit-bearing gap.
- Step3. Anti-rotating w/fix nut to set up the fine-turn.

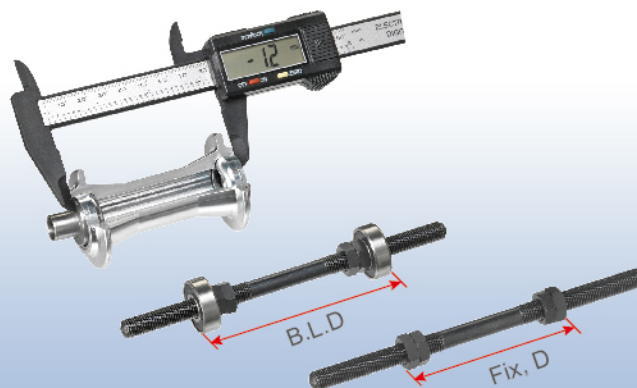
ABF-Adjustable bearing fixing/axle set Features:

1. By 2 pairs 2 x fixing nuts block the bearing loads of the axle.
2. Can be fitted w/steel hubs in usual retainer cap bearing types & most all kinds of alloy hubs.

Note: Inner hub thru. holes need bigger than Dia. 15mm

Easy of set up Ur bearing loading:

1. Measure the B.L.D.(Bearing Locating Distance)
2. Delete the thickness of bearing.
3. Anti-rotating the fixing nuts, get bearing back up setting.
4. Assemble the hub w/bearings accordingly.





Free Bearing Load rear/front hollow M10 thru. axle
FBL-RH-M10

1. S45C M10 x hollow axle L140/145 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10)
3. Free wheel length spacer/washer by specify.

FBL-FH-M10

1. S45C M10 x hollow axle L108 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10)



Free Bearing Load rear/front M10 thru. bolt axle
FBL-RB-M10

1. S45C M10 x axle L165/175/185 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10)
3. Free wheel length spacer/washer by specify.

FBL-FB-M10

1. S45C M10 x Thru. axle L130/140 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10)



F.B.L rear bolt/hollow M10 thru. axle cap fitting

FBL-RB-M10C (Special bearing cap dia. $\phi 26 \times H9$)

1. S45C M10 x axle L165/175/185 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10)+bearing cap
3. Free wheel length spacer/washer by specify.

FBL-RH-M10C (Special bearing cap dia. $\phi 26 \times H9$)

1. S45C M10 x hollow axle L140/145 (optional)
2. Bearing 10 x T8 x 26 (6Kzz-M10) +bearing cape
3. Free wheel length space washer by specify.



ABF-Adjustable bearing fixing/axle set

ABL-FB516-CX1

1. S45C 5/16 x axle L130/140 (optional)
2. Bearing 8 x T7 x 22 +bearing cap
3. Bearing CX1: $\phi 25 \times H9.5$ (w/Ext. Ring)

ABL-FB-M9-CS

1. S45C M9 x axle L130/140 (optional)
2. Bearing 9 x T7 x 24 +bearing cap
3. Bearing CS: $\phi 26 \times H9$



ABL-FH-M9-CS

1. S45C M9 x axle L108
2. Bearing 9 x T7 x 24 +bearing cap
3. Bearing CS: $\phi 26 \times H9$

ABL-RH-M10-C

1. S45C M10 x hollow axle L140/145 (optional)
2. Bearing 10 x T8 x 26 +bearing cap
3. Bearing C: $\phi 30/\phi 29.5 \times H11$



ABL-RB-M10-CR1

1. S45C M10 x axle L165/175/185 (optional)
2. Bearing 10 x T8 x 26 +bearing cap
3. Cap CR1: $\phi 29.5/\phi 29 \times H12$ (w/Ext. Ring)

ABL-RH-M10-CR1

1. S45C M10 x hollow axle L140/145 (optional)
2. Bearing 10 x T8 x 26 +bearing cap
3. Bearing C: $\phi 30/\phi 29.5 \times H11$



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ABL-FB-M9-CS

1. S45C M9 x axle L130/140 (optional)
2. Bearing 9 x T7 x 24 +bearing cap
3. Bearing CS: $\Phi 26$ x H9

ABL-RB-M10-C

1. S45C M10 x axle L165/175/185 (optional)
2. Bearing 10 x T8 x 26 +bearing cap
Bearing C: $\Phi 30/\Phi 29.5$ x H11



ABL-FH-M9

1. S45C M9 x hollow axle L108
2. Bearing 9 x T7 x 24

ABL-RH-M10

1. S45C M10 x hollow axle L140/145 (optional)
2. Bearing 10 x T8 x 26



ABL-FB-M9

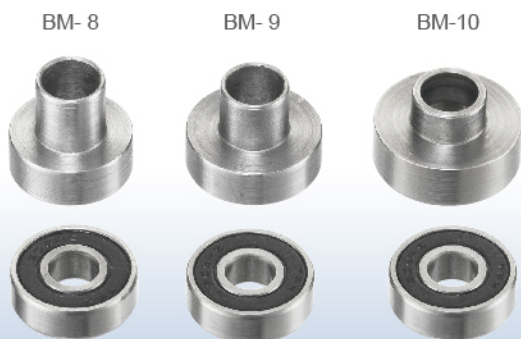
1. S45C M9 x axle L130/140 (optional)
2. Bearing 9 x T7 x 24

ABL-RB-M10

1. S45C M10 x axle L165/175/185 (optional)
2. Bearing 10 x T8 x 26



All FBL & ABL series w/hollow axle
Can pair the QR of Jiunn Cherng &
Frontec available



BM-8 ID x 7mm x 22OD

BM-9 ID x 7mm x 24OD

BM-10 ID x 8mm x 26OD



To prevent tight fixed into the bearing hole, the bearing load flange can aid in measuring the bearing distance easily. (smaller 0.2mm dia. Easily take on/off)

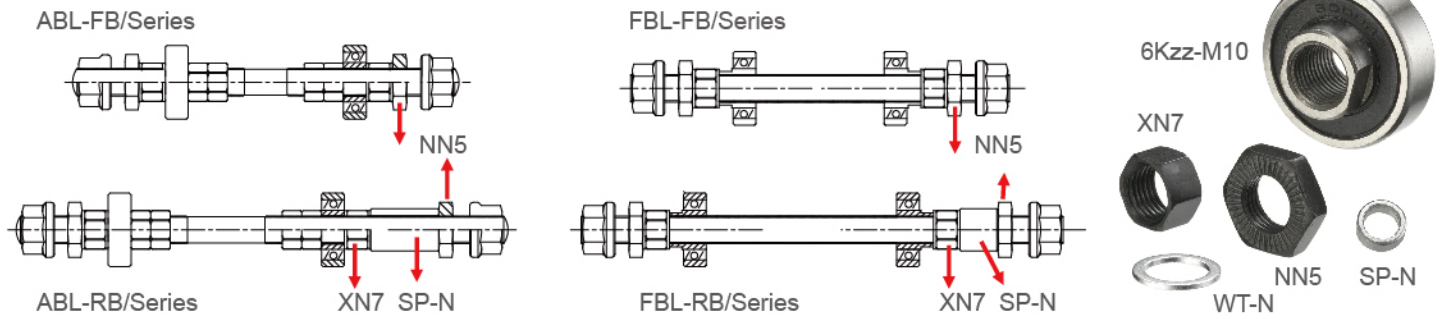


鴻元精密有限公司
FRONTec PRECISION CORP.
(2nd plant of Jiunn Cherng)



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Spacer & lock nut arrangement for order



Specification for OLD piled account:

XN7: For bearing fix nut x 7mmT
(pair w/2 x 1T washer when sold)
NN5: End nut 17 x 4(front), 17x5(Rear)

SPN-5/6/7/12/14 T (Tube spacer optional pick)
6Kzz-M10: Ind. 6000zz w/M10, OD 26 xT8
Ext. flange 5mm, Total ext. 13 mm
Any Questions pls contact us directly.



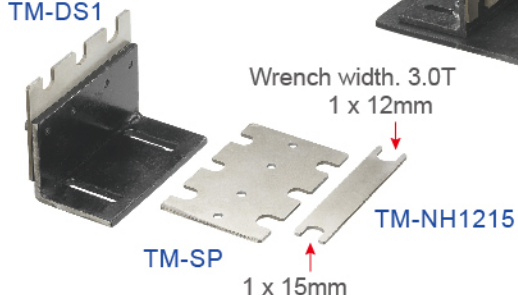
Ind. bearing fitted cap dimensions:

1. ODΦ30/Φ29.5 x 11T(optional)
2. Lip flanged ODΦ29.5/Φ29 x 12T (optional)
3. Lip flanged ODΦ25 x 9.5T (Used for the front wheel)
4. ODΦ25 x 8.5T
5. ODΦ24 x 8.5T

TM-DS2 (Bearing L.D adjustable)

Gaps x 2 x 2 width. T3.0
Gaps x 1 x 15 width

TM-DS1



Assembly tool mold set

1. Fit 2 x 6Kzz-M10 into the both sides gaps when assembling FBL-Series.
2. Roll the thread thru. axle into the hub, counted OLD & freewheel spacer/nut single side before rool the axle.



CH16-1S / CH16-1A / CH16-2A / CH16-2AS / CH16-3A

Hub Q.R M5, Axle is Cr-Mo

CH16-1S: w/steel nut CH16-1A: w/Alloy nut
CH16-2A: w/Alloy nut CH16-2AS:w/Alloy nut
CH17: Hex Key Wrench CH16-3A: w/Alloy nut

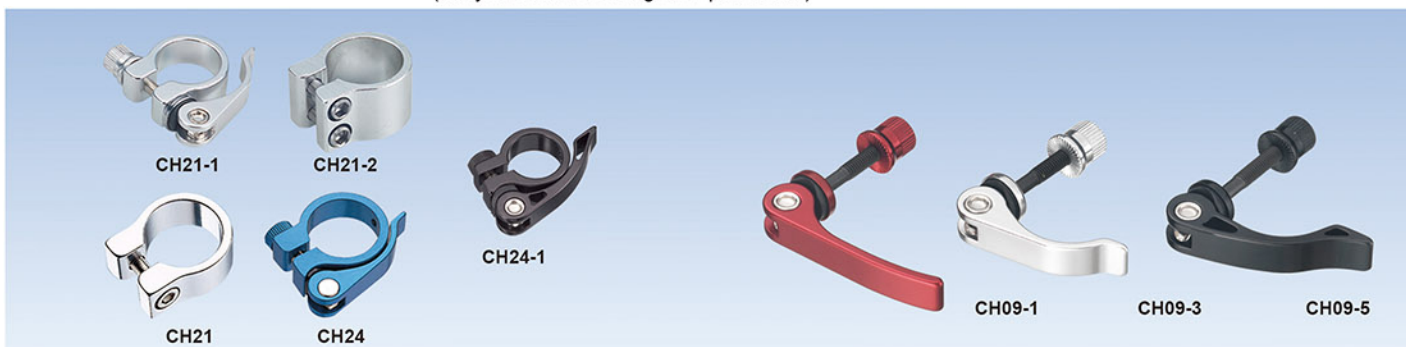


CH53B/CH53B-1

Alloy Front/ Rear Quick Release
Size to order

CH18F/CH18R, CH18F-1/CH18R-1, CH18F-2/CH18R-2, CH18F-3/CH18R-3

Alloy Front/ Rear Quick Release
Size to order
(Alloy nut can be changed to plastic nut)

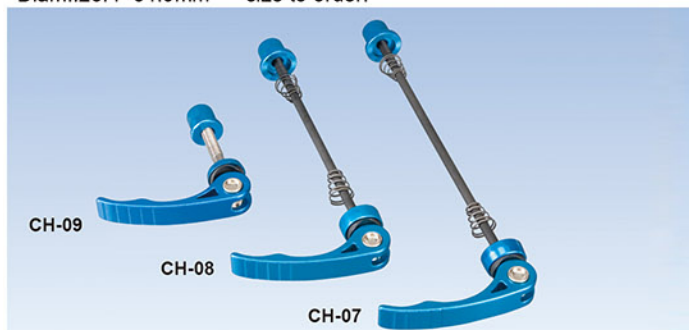


CH21/ 21-1/ 21-2/ 24/ 24-1

Alloy seat pin clamp for MTB, Scooter bike.
Diam.:25.4~34.9mm size to order.

CH09-1/ CH09-3/ CH09-5

Alloy Seat Pin
6mm~ 8mm available Size to order



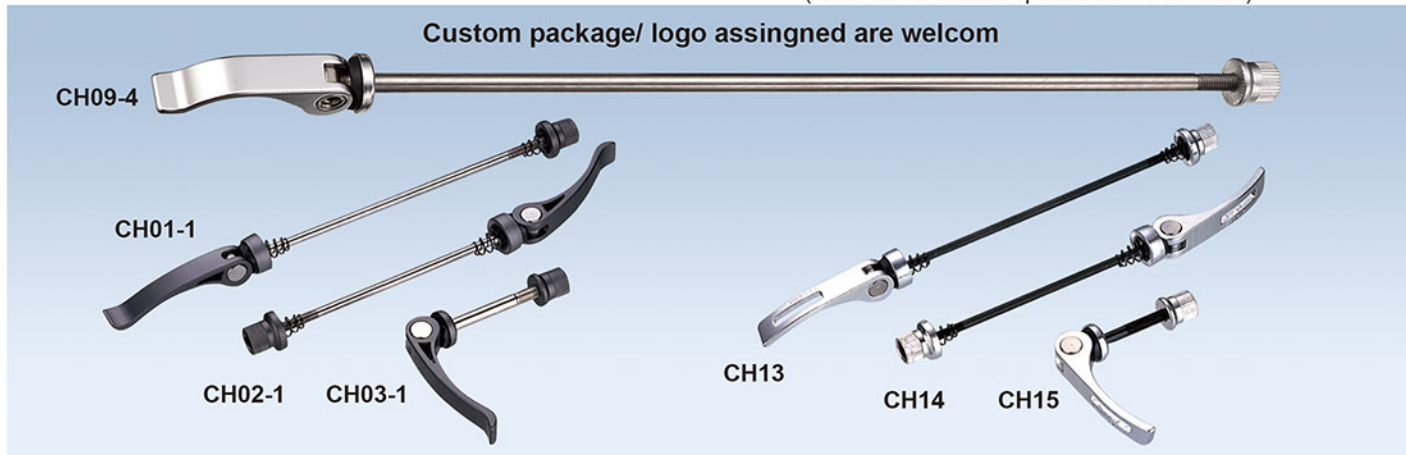
CH-07, CH-08, CH-09

Alloy front/rear/seat pin QR set. w/assigned anodized colors available.



CH53A / CH53A-1

Alloy Front /Rear Quick Release.
(Axle: Cr-Mo/Titanium optional choice available)



CH01-1 / 02-1 / 03-1

Alloy front / rear / seat pin. Quick release.
(Axle: Cr-Mo/Titanium)
CH03-1: 6mm~8mm

CH13 / 14 / 15

Alloy front / rear / seat pin. Quick release.
CH15: 6mm~8mm available.

CH09-4

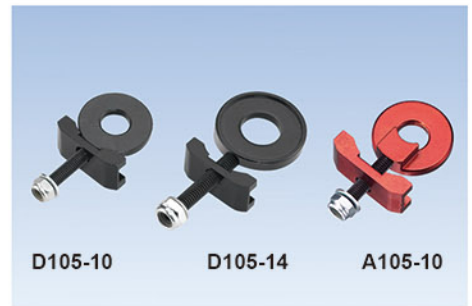
Alloy quick release / Lever: aluminum handle
Bolt: stainless steel 303
Nut: stainless steel 303 or aluminum
Dia: M6/M8 / L:384mm / size: to order



CH35 / 36 / 37
steel seat pin quick release lever nut fasten.
Diam: XL=6mm, 8mm x 45/50/55/60
Lever by C ring fastened (not shown on picture)



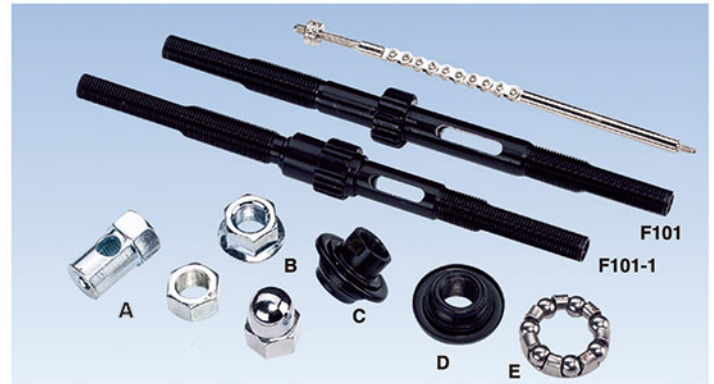
CH28 / 30 / 25 / 26
Steel front / rear quick release.
L: 121/126/128/155/165mm.
Hollow axle quick release hub type.
Front L: 9x101x108mm. for CH26
Rear L: 10x134x136x140x145mm. for CH25



D105-10 Steel made single pull chain tensioner for 3/8, M10 axle
D105-14 Steel made single pull chain tensioner for 1/2, M14 axle
A105-10 Alloy chain tensioner for 3/8, M10 axle



F105 Alloy forged chain tensioner for 1/2", M14 axle, (MF105-Dual tone machined)
F105-1 Alloy forged chain tensioner for 3/8", M10 axle, (MF105-1-Dual tone machined)
A105-14
Alloy chain tensioner for 1/2", M14 axle



F101-1 3 speed internal gear set, 13 / 32" x 26T Size to order.
All famous brand's internal gear shaft, accessories in custom order available



CH2352A
Spindle sets (Cr-Mo), M14, 10 piece parts.
CH2352P
Spindle sets (Cr-Mo), M14, 7 piece parts.
Size to order.
2352
Spindle sets (Cr-Mo-BK), M14, 7 piece parts.
Size to order



66A/66B
CH66A For sturmey-archer; 3-SP hub length: 135mm
CH66B For sturmey-archer; 3-SP hub. (5-SP optional) Length: 126 mm
2340A/2340B
2340A 13/32"-26T/1007, 1008: Axle nuts for sturmey-Archer 3-SP hub
U.C.P. finished; 2340B 13/32"-26T/1009, 1010 Axle nuts Torpedo F & S 3-S Phub.; U.C.P. finished



CH69 / CH69-1
Steel clamp for seat post.
Dia: 25.4mm / 28.6mm / 31.8mm
CH69-1: Steel QR
CH70C
Steel saddle clamp w/inner post clips to reinforce gripping power



CH70A / 70B / 70D
Steel clamp for saddle
CH70A / with safety hook
CH70D /with carriage bolt



F105-2 Anti-scratching heavy load nut- (w/rotatable buckled washer)
Dimensions: 14x1.0, 1/2",
M9 & M10x1.0,
24T/26T x 3/8, 24T/26T x 5/16



Model 2350

Front hub brake spindle 3/8 x 140mm

Model 2351

Rear hub brake spindle 3/8x165mm, 175mm



Model 2317A, 2318A, 2319A

2317A: Front spindle with dust cap.

5/16" or 3/8" x 130mm, 140mm.

2318A: Rear spindle with dust cap.

3/8" x 165mm ~ 250 mm.

2319A: Rear spindle for 10-speed with dust cap.

3/8" x 165mm ~ 250 mm.

Custom pressed logo & custom style
inner box assignments are welcome



Hub spindles inner box



2315, 2316, 2317, 2318

2315: Front spindle.

5/16" or 3/8" x 130mm 140mm.

2316: Rear spindle.

3/8" x 165mm ~ 250 mm.

2317: Front spindle.

5/16" or 3/8" x 130mm 140mm.

2318: Rear spindle.

3/8" x 165mm ~ 250 mm.



2311, 2312

2311: Front spindle.

5/16" or 3/8" x 130mm, 140mm.

2312: Rear spindle.

2322: Coaster hub axle, self-color, 3/8" x 182mm.

2323A: Coaster hub axle.

3/8" x 163, 175mm.



2319, 2321, 2320

2319: Rear spindle, For 10 speed.

3/8" x 165mm ~ 250 mm.

2320: Front spindle.

5/16" x 130mm, 140mm

2321: Rear spindle.

3/8" x 165mm ~ 250 mm.



2324/2325/2324QR/2325QR

2324: Front hub cone. 5/16".

2325: Rear hub cone. 3/8", M14, 1/2"

2324QR: Front hub cone for QR M9

2325QR: Rear hub cone for QR M10

2326/2326B/2327/2328/2329

2326: Rear hub cone. 3/8"

2326B: Front hub cone. 5/16"

2327: Rear hub cone. 3/8"

2328: Front hub cone. 5/16"

2329: Rear hub cone. 3/8".

