# Ready for the future!

MARWI®

2023 Catalogue

MARWI®
GROUP

**Marwi® Group** is one of the most globally organized manufactures in the bicycle industry, with production sites and offices in 5 countries (Taiwan, Indonesia, Netherlands, Czech Republic and Germany).

With a total of approximately 500 employees, **Marwi® Group** is one of the largest pedal manufacturers in the world.

**Marwi® Group** has dedicated itself to develop a new generation of pedals with the best performance on the world's stage. With over 30 years' experience in the bicycle industry, every step we take will be made to provide better riding equipment and innovative design.

With newly established automatic production lines in Marwi Taiwan, we are...

***Ready for the future!***

**1983** "XERAMA" was established as the English name of the founding Taiwanese company as well as the brand name.

**1992** "P.T. Xerama Bicycle Industrial" was founded in Tangerang/Indonesia.

**1995** "Marwi International A/S" obtained the UNION® brand.

**1998** "Marwi International A/S" merged with "Xerama Taiwan" and "Xerama Indonesia" into the new "Marwi Group". The Marwi Group owned from now on the brands UNION®, Ti-Dye®, and nightpro®.

MARWI Indonesia

**2000** Marwi Europe's headquarters in the Netherlands was founded.

**2007** Marwi Taiwan took the annual award for bicycle accessoires in the "innovative product awards" from the TBEA (Taiwan Bicycle Exporter's Association).

**2009** Marwi won the 11th Taiwanese "overseas businessman award" from MOEA.

**2010** Marwi Europe moved into their new office building.

**2011** Marwi Taiwan completed their new office and factory building.

MARWI Europe branch office CZ

**2012** Marwi Taiwan celebrate their 30th year anniversary.

**2013** Marwi Taiwan set up automatic production lines for pedals and saddles.

**2014** Marwi Taiwan installed the first robots in the Taiwan bike industry.

**2015** Marwi Taiwan completed the first fully automatic pedal assembly line.

**2016** Marwi Taiwan opened its own moulding factory.

MARWI Europe

**2017** Marwi Taiwan installed robot automated aluminium die-casting.

**2018** Marwi Taiwan installed their second saddle foaming carousel machine.

**2019** Marwi introduced the patented SANDBLOCK® pedal technology.

**2020** Marwi Taiwan starts building a new factory.

**2021** Marwi Taiwan finished building the new factory.

**2022** Marwi Group is ***Ready for the future!***

MARWI R&D Germany

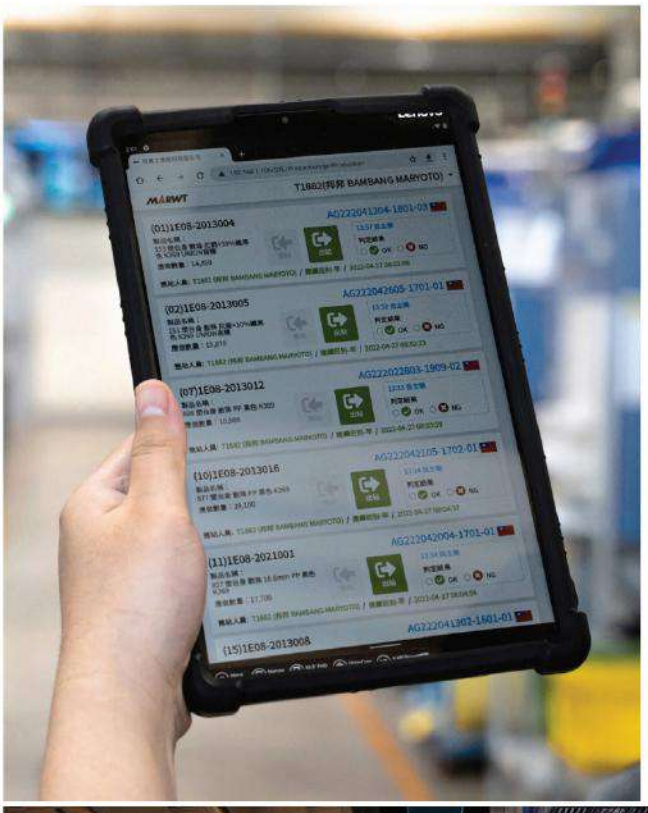
# Brand new!

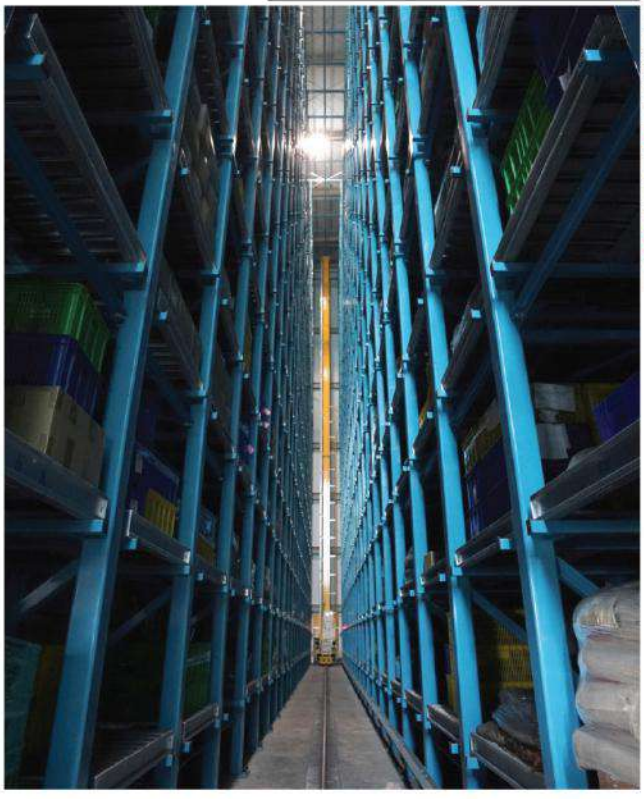
## Factory Building

- State of the art smart technology
- Sustainable and energy-saving
- Increased capacity

## Fully Computerized Production Control System

- "One touch" overview by tablets
- Monitored on every production level





## Robotized Automatic Warehouse System

- Fully automized product picking system

Robotized die-casting machines

Injection molding department

Robotized 2-component injection molding

Camera system robotized pedal assembly line

Robotized pedal assembly line

Vacuum saddle production carousel

Vacuum saddle production carousel

Saddle printing department

Automatic packing line

CNC department

## Rigorous Fatigue Testing

In our new Quality Control Laboratory we investigate the products and components with the newest testing equipment.

We examine permanently with static and dynamic strength and durability tests, deep temperature impact tests, etc...

Overview testing facility

Saddle and seatpost fatigue test

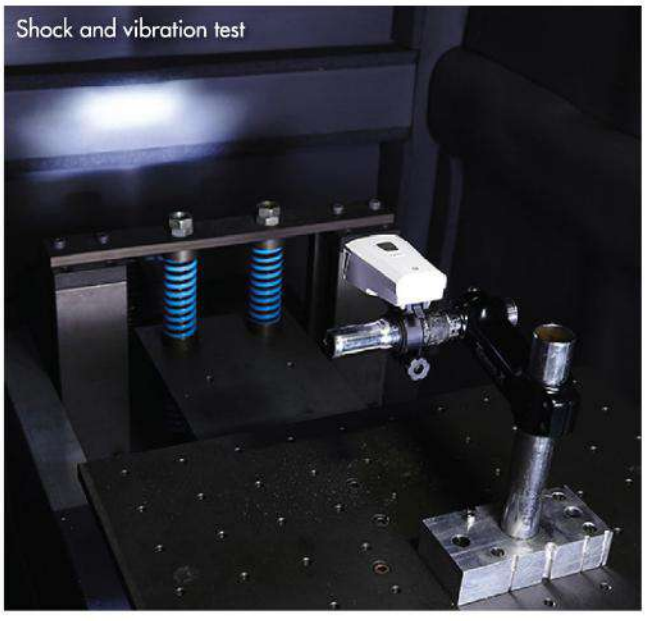
Shock and vibration test

Overview testing facility

MARWI® GROUP

# Quality-Inspection

According to our QA/QC-System we control with several QC-tests the various production steps. Furthermore we check the numerous quality parameters of components and products, like hardness, dimensions, water resistance, environmental and chemical resistance (salt spray test) and others...


Shock and vibration test

Water resisting test

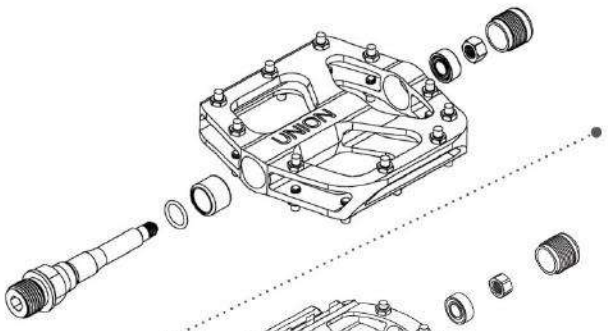
Clipless pedal durability test

Saddle fatigue test

# Pedal Bearing Systems

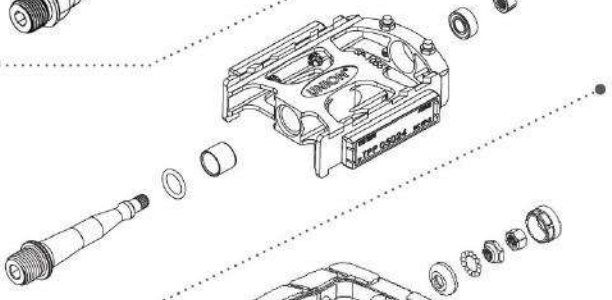
NCS

- ***Needle + Cartridge System***
  heat-treaded Cr-Mo axle
  (made in Taiwan)



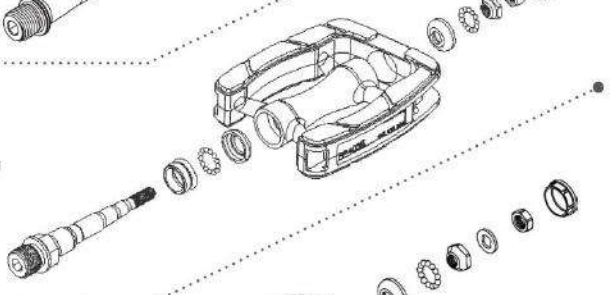

CBS

- ***Cartridge + Bushing System***
  heat-treated Cr-Mo axle
  (made in Taiwan)



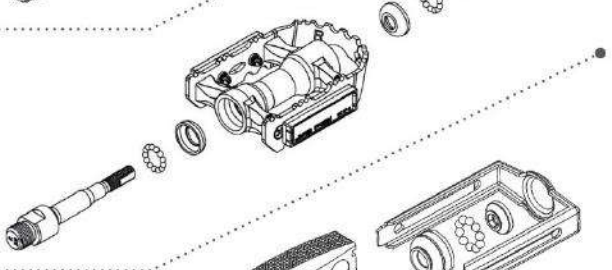
LBA

- ***Adjustable light weight ball bearings 3/32"***
  heat-treated boron steel axle



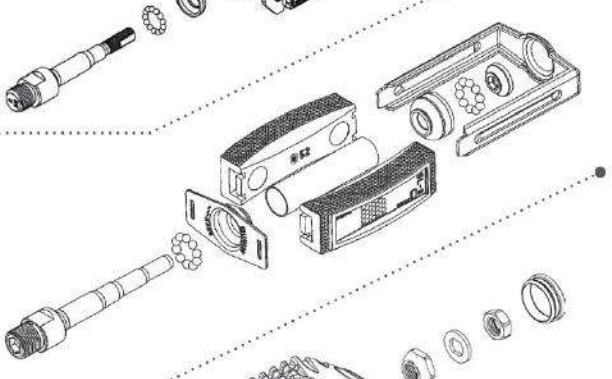
BA

- ***Adjustable ball bearings 1/8"***
  heat-treated boron steel axle



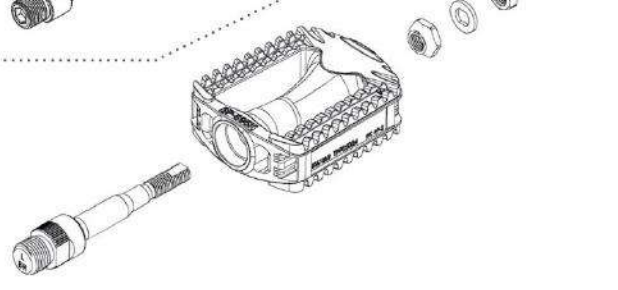
BC

- ***Ball bearings, classic type***
  heat-treated boron steel axle



NB

- ***Adjustable Non-Ball bearing type***
  heat-treated boron steel axle



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UNION® xerama BIKETOOL

SSR Pro Selle San Remo

SANDBLOCK®

**AXLE**

- BR Boron steel
- CM CrMo steel
- T Titanium

**REFLECTOR**

- BS Approved
- TW Non-Approved
- SI Screw-in
- SO Snap-on
- OB Snap-on & build-in

**BEARING**

- NCS Needle+Cartridge System
- CCS Cartridge + Cartridge System
- CBS Cartridge+Bushing System
- LBA Lightweight Ball type, adjustable
- BA Ball type, adjustable
- BC Ball type, classic
- NB Non-Ball type,adjustable
- BL Ball less

**BODY**

- SA Sand blasting+Anodized color
- SD Sand blasting+ED black
- ED ED black
- CNC Body corner with CNC processed

**CAGE**

- AL Aluminium
- ST Steel
- NL Nylon
- AN Anodized
- BA Black anodized
- BC Black coated
- PC Powder-coated
- CNC CNC processed

# SANDBLOCK®

is the official logo and MARWI's registered trademark of a patented compound of materials to achieve a wear-resistant high quality non-slip pedal tread area. Due to a special, waterproof technology the non-slip inlay cannot be peeled off from the pedal cage.

## Features:

- Tread surfaces made of **SANDBLOCK** ® connected to the body by a chemical process.
- For the **SANDBLOCK** ® non-slip compound a patent is pending.
- The anti-slip function of the **SANDBLOCK** ® material outperforms compared to standard sandpaper.
- Standard sandpaper tread area separates very easy from the pedal body, **SANDBLOCK** ® **does not!**

## SP-880 SBL BLACK

BR LBA BS

| | |
|---|---|
| **Body:** | PP with **SANDBLOCK®** non-slip inlay |
| **Size:** | 118 x 88 mm |
| **Weight:** | 341 gram/pair |

## SP-890 / SP-2890 SBL BLACK

BR LBA BS / CM CBS BS

| | |
|---|---|
| **Body:** | Aluminium with **SANDBLOCK®** non-slip inlay |
| **Size:** | 118 x 88 mm |
| **Weight:** | 506 gram/pair |

## SP-827 SBL BLACK

BR LBA BS

| | |
|---|---|
| **Body:** | PP with **SANDBLOCK®** non-slip inlay |
| **Size:** | 111 x 90 mm |
| **Weight:** | 348 gram/pair |

## SP-827 SBL

BR LBA BS

| | |
|---|---|
| **Body:** | PP with **SANDBLOCK®** non-slip inlay |
| **Size:** | 111 x 90 mm |
| **Weight:** | 348 gram/pair |

## SP-828 BLACK SBL

BR LBA ED BS

| | |
|---|---|
| **Body:** | Aluminum with PP and **SANDBLOCK®** non-slip inlay |
| **Size:** | 111 x 90 mm |
| **Weight:** | 494 gram/pair |

## SP-828 SBL BLACK

BR LBA BS

| | |
|---|---|
| **Body:** | Aluminum with PP and **SANDBLOCK®** non-slip inlay |
| **Size:** | 111 x 90 mm |
| **Weight:** | 494 gram/pair |

## SP-1210 BLACK

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 104 × 100mm |
| **Weight:** | 304 gram/pair |

SILVER ORANGE XTR GREY

BLUE GREEN RED

## SP-1300 SILVER

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 110 × 100mm |
| **Weight:** | 416 gram/pair |

BLACK ORANGE XTR GREY

BLUE GREEN RED

## SP-1400

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 110 × 100 mm |
| **Weight:** | 414 gram/pair |

## SP-1410

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 110 × 100 mm |
| **Weight:** | 412 gram/pair |

## SP-1080

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 101 × 100mm |
| **Weight:** | 336 gram/pair |

## SP-1082

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 111 × 100mm |
| **Weight:** | 334 gram/pair |

## SP-1090

CM CBS SA

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 97 × 100mm |
| **Weight:** | 300 gram/pair |

## SP-1091

CM CBS SD

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 97 × 100mm |
| **Weight:** | 347 gram/pair |

## SP-2150

CM CBS SD BS SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 99 × 72 mm |
| **Weight:** | 314 gram/pair |

## SP-2160

CM CBS SD BS SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 101 × 87mm |
| **Weight:** | 339 gram/pair |

## SP-308

BR CCS SD BS SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 114 × 109 mm |
| **Weight:** | 635 gram/pair |

## SP-2309

CM NCS SD BS SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 111 × 100 mm |
| **Weight:** | 592 gram/pair |

## SP-1055

CM CBS SA BS SO

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 100 × 73mm |
| **Weight:** | 250 gram/pair |

## SP-2712

CM CBS SA BS SO

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 90 × 59mm |
| **Weight:** | 204 gram/pair |

## SP-2714

CM CBS BS SO

| | |
|---|---|
| **Body:** | AL-6061 Extrusion T6 |
| **Size:** | 95 × 73mm |
| **Weight:** | 234 gram/pair |

## SP-160

BR LBA SD BS SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 107 × 87mm |
| **Weight:** | 348 gram/pair |

## SP-2600

CM CBS SD CNC BS SO

| | |
|---|---|
| **Body:** | One piece aluminium & CNC side |
| **Size:** | 102 × 78mm |
| **Weight:** | 290 gram/pair |

## SP-2661

CM CBS BS SI or SO

AL BA

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 102 × 76mm |
| **Weight:** | 250 gram/pair |

## SP-2671

CM CBS BS SI or SO

AL BA

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 88 × 76mm |
| **Weight:** | 252 gram/pair |

## SP-2612

BR LBA BS SI or SO

AL BA

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 107 × 81mm |
| **Weight:** | 283 gram/pair |

## SP-2662

BR LBA BS SI or SO

AL BA

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 102 × 76mm |
| **Weight:** | 272 gram/pair |

## SP-2672

BR LBA BS SI or SO

AL BA

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 88 × 76mm |
| **Weight:** | 245 gram/pair |

## SP-1092

BR LBA SD

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 97 × 100mm |
| **Weight:** | 350 gram/pair |

## SP-600

BR LBA SD CNC BS SO

| | |
|---|---|
| **Body:** | One piece aluminium & CNC side |
| **Size:** | 102 × 78mm |
| **Weight:** | 274 gram/pair |

## SP-610

BR BA SD CNC BS or TW SO

| | |
|---|---|
| **Body:** | One piece aluminium & CNC |
| **Size:** | 105 × 81mm |
| **Weight:** | 374 gram/pair |

## SP-610 BLACK

BR BA SD BS or TW SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 105 × 81mm |
| **Weight:** | 374 gram/pair |

## SP-510 SILVER

BR BA BS or TW SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 105 × 79mm |
| **Weight:** | 368 gram/pair |

## SP-120

BR BA BS or TW SO

| | |
|---|---|
| **Body:** | One piece aluminium (different color options) |
| **Size:** | 110 × 100mm |
| **Weight:** | 470 gram/pair |

## SP-102

BR BA BS SO

| | |
|---|---|
| **Body:** | One piece aluminium (different color options) |
| **Size:** | 108 × 102mm |
| **Weight:** | 434 gram/pair |

## SP-108

BR BA BS or TW SO

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 111 × 115mm |
| **Weight:** | 518 gram/pair |

## SP-309

BR BA SD

| | |
|---|---|
| **Body:** | One piece aluminium |
| **Size:** | 113 × 100 mm |
| **Weight:** | 570 gram/pair |

## SP-311

BR BA BS SI or SO

ST PC or AL AN

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 102 × 63mm |
| **Weight:** | 360 gram/pair |

## SP-910

BR BA BS SI or SO

ST PC or AL AN

| | |
|---|---|
| **Body:** | Aluminium with cage |
| **Size:** | 102 × 63mm |
| **Weight:** | 370 gram/pair |

## SP-931

BR BA BS SI or SO

ST PC or AL AN

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 102 × 79mm |
| **Weight:** | 316 gram/pair |

## SP-931T

BR BA BS SI or SO

ST PC or AL AN

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 102 × 79mm |
| **Weight:** | 316 gram/pair |

## SP-151

BR BA BS

NL

| | |
|---|---|
| **Function:** | foldable to both sides |
| **Body:** | Aluminium body/Nylon cage |
| **Size:** | 110 × 70mm |
| **Weight:** | 425 gram/pair |

## SP-153

BR BA BS

NL

| | |
|---|---|
| **Function:** | foldable to both sides |
| **Body:** | Aluminium body/Nylon cage with non-slip inlay |
| **Size:** | 110 × 70mm |
| **Weight:** | 470 gram/pair |

## SP-823

BR LBA BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 103 × 78 × 26mm |
| **Weight:** | 291 gram/pair |

## SP-821

BR LBA BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 104 × 82 × 26mm |
| **Weight:** | 316 gram/pair |

## SP-828

BR LBA BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 111 x 90mm |
| **Weight:** | 516 gram/pair |

## SP-2823 BLACK

CM CBS ED BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 104 × 78 × 26mm |
| **Weight:** | 280 gram/pair |

## SP-2821 BLACK

CM CBS ED BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 104 × 82 × 26mm |
| **Weight:** | 320 gram/pair |

## SP-2828 BLACK

CM CBS ED BS

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 111 x 90mm |
| **Weight:** | 504 gram/pair |

## SP-824

BR BA BS

NEW

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 110 × 82 × 29mm |
| **Weight:** | 412 gram/pair |

## SP-812

BR BA BS or TW

NEW

| | |
|---|---|
| **Body:** | Aluminium with PP and non-slip inlay |
| **Size:** | 112 × 81 × 29mm |
| **Weight:** | 495 gram/pair |

## SP-810

BR BA BS or TW

| | |
|---|---|
| **Body:** | Aluminium with non-slip inlay |
| **Size:** | 103 × 69mm |
| **Weight:** | 541 gram/pair |

## SP-2811

CM CBS BS

| | |
|---|---|
| **Body:** | Aluminium with non-slip inlay |
| **Size:** | 108 × 69mm |
| **Weight:** | 376 gram/pair |

## SP-811

BR BA BS or TW

| | |
|---|---|
| **Body:** | Aluminium with non-slip inlay |
| **Size:** | 108 × 69mm |
| **Weight:** | 398 gram/pair |

## SP-813

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP with non-slip inlay |
| **Size:** | 110 × 69mm |
| **Weight:** | 290 gram/pair |

## SP-820

BR LBA BS or TW

| | |
|---|---|
| **Body:** | PP with non-slip inlay |
| **Size:** | 104 × 82 x 26mm |
| **Weight:** | 280 gram/pair |

## SP-827

BR LBA BS or TW

| | |
|---|---|
| **Body:** | PP with non-slip inlay |
| **Size:** | 109 x 90mm |
| **Weight:** | 364 gram/pair |

## SP-807

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP (black or grey) with non-slip inlay (grey or black) |
| **Size:** | 108 × 74mm |
| **Weight:** | 366 gram/pair |

## SP-808

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP (black or grey) with non-slip inlay (grey or black) |
| **Size:** | 108 × 78mm |
| **Weight:** | 368 gram/pair |

## SP-809

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP (black) with non-slip inlay (grey) |
| **Size:** | 108 × 78mm |
| **Weight:** | 370 gram/pair |

## SP-868

BR BA BS or TW

| | |
|---|---|
| **Body:** | Aluminium with PVC |
| **Size:** | 108 × 69mm |
| **Weight:** | 500 gram/pair |

## SP-872N

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 109 × 91mm |
| **Weight:** | 286 gram/pair |

## SP-875

BR BA or NB
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 108 × 84mm |
| **Weight:** | 292 gram/pair |

## SP-877

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 110 × 79mm |
| **Weight:** | 318 gram/pair |

## SP-878

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 109 × 91mm |
| **Weight:** | 298 gram/pair |

## SP-698

BR BA or BL BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 114 × 83mm |
| **Weight:** | 279 gram/pair |

## SP-202

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 104 × 90mm |
| **Weight:** | 324 gram/pair |

## SP-300

BR BA or BL BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 108 × 69mm |
| **Weight:** | 322 gram/pair |

## SP-301

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 113 x 74mm |
| **Weight:** | 324 gram/pair |

## SP-305

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 108 × 69mm |
| **Weight:** | 284 gram/pair |

## SP-460

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 110 × 100mm |
| **Weight:** | 305 gram/pair |

## SP-450

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 110 × 100mm |
| **Weight:** | 330 gram/pair |

## SP-420

CM LBA BS

| | |
|---|---|
| **Body:** | Nylon + 20% Glass Fiber |
| **Size:** | 110 × 100mm |
| **Weight:** | 338 gram/pair |

## SP-410

BR BA or NB

BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 112 x 100mm |
| **Weight:** | 352 gram/pair |

## SP-400

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 110 × 100mm |
| **Weight:** | 336 gram/pair |

## SP-420 COLOR

CM LBA BS

| | |
|---|---|
| **Body:** | Nylon + 30% Glass Fiber (different color options) |
| **Size:** | 110 × 100mm |
| **Weight:** | 338 gram/pair |

## SP-700

BR BA or BL

BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 111 × 86mm |
| **Weight:** | 325 gram/pair |

## SP-767

BR BA or BL

BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 113 × 87mm |
| **Weight:** | 337 gram/pair |

## SP-320

BR BA

BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 125 × 78mm |
| **Weight:** | 386 gram/pair |

## SP-201

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 87 x 70mm |
| **Weight:** | 267 gram/pair |

## SP-834

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP with non-slip inlay(grey) |
| **Size:** | 97 x 72mm |
| **Weight:** | 332 gram/pair |

## SP-481

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 98 × 64mm |
| **Weight:** | 278 gram/pair |

## SP-835

BR BA BS or TW

| | |
|---|---|
| **Body:** | PP with non-slip inlay(grey)<br>with additional side reflector |
| **Size:** | 97 x 72mm |
| **Weight:** | 334 gram/pair |

## SP-690

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 95 × 64mm |
| **Weight:** | 271 gram/pair |

## SP-695K

BR BA or NB or BL
BS or TW

| | |
|---|---|
| **Body:** | PP (optional w/o reflector) |
| **Size:** | 91 × 65mm |
| **Weight:** | 270 gram/pair |

## SP-698K

BR BA or BL
BS or TW

| | |
|---|---|
| **Body:** | PP |
| **Size:** | 98 x 68mm |
| **Weight:** | 248 gram/pair |

## SP-687H

BR BC BS or TW

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 117 × 76mm |
| **Weight:** | 572 gram/pair |

## SP-685H

BR BC BS or TW

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 79mm |
| **Weight:** | 562 gram/pair |

## SP-689

BR BC BS

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 63mm |
| **Weight:** | 540 gram/pair |

## SP-687H WHITE

BR BC BS or TW

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 117 × 76mm |
| **Weight:** | 572 gram/pair |

## SP-685H WHITE

BR BC BS or TW

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 79mm |
| **Weight:** | 562 gram/pair |

## SP-689 WHITE

BR BC BS

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 63mm |
| **Weight:** | 540 gram/pair |

## 261

BR BC

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 122 × 58mm |
| **Weight:** | 625 gram/pair |

## 265H

BR BC

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 72mm |
| **Weight:** | 560 gram/pair |

## SP-689 BROWN

BR BC BS

| | |
|---|---|
| **Body:** | steel (galvanized ) & PVC mixture |
| **Size:** | 118 × 63mm |
| **Weight:** | 540 gram/pair |

## SP-250

BR BA

| With horizontal balance weight | |
|---|---|
| **Function:** | non slip home trainer pedal |
| **Body:** | PP with non-slip inlay (grey) |
| **Size:** | 137 × 123mm |
| **Weight:** | 660 gram/pair |

## SP-240

BR BA

| With horizontal balance weight | |
|---|---|
| **Function:** | home trainer pedal |
| **Body:** | PP |
| **Size:** | 137 × 123mm |
| **Weight:** | 640 gram/pair |

## SP-209

BR BA

| | |
|---|---|
| **Function:** | home trainer pedal |
| **Body:** | PP |
| **Size:** | 100 × 120mm |
| **Weight:** | 750 gram/pair |

## MT-1

| • For use with straps | |
|---|---|
| **Function:** | MTB/ATB toe clip |
| **Material:** | nylon |

## MT-2

| • For strapless use | |
|---|---|
| **Function:** | MTB/ATB toe clip |
| **Material:** | nylon |

## MT-11

| • For use with straps | |
|---|---|
| **Function:** | MTB/ATB toe clip |
| **Material:** | nylon |
| **Reflector:** | integrated (approved, screw-in) |

## MT-13

| • For use with straps | |
|---|---|
| **Function:** | Road/Trekking toe clip |
| **Material:** | PP |
| **Reflector:** | integrated (approved, screw-in) |

## MT-14

| • For strapless use | |
|---|---|
| **Function:** | Road /MTB/Trekking toe clip |
| **Material:** | PP |
| **Reflector:** | integrated (approved, screw-in) |

## STRAP-N

| | |
|---|---|
| **Function:** | for use with MT-11 or MT-1 toe clip |
| **Material:** | PP woven |
| **Size:** | 12.5 × 450mm |

## SP-5600

CM or T CBS

| Clipless low profile "mud free" MTB pedal | |
|---|---|
| **Body:** | Aluminium, black coated |
| **Size:** | 81 × 65mm |
| **Weight:** | 298 (CrMo) gram/pair<br>254 (Titanium) gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5600 RED

CM or T CBS

| Clipless low profile "mud" MTB pedal | |
|---|---|
| **Body:** | Aluminium, red coated<br>option: white coated |
| **Size:** | 81 × 65mm |
| **Weight:** | 298 (CrMo) gram/pair<br>254 (Titanium) gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5650

CM LBA

| Clipless low profile "mud free" MTB pedal | |
|---|---|
| **Body:** | Aluminium, black coated |
| **Size:** | 82 × 59mm |
| **Weight:** | 334 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5400

CM CBS

| Clipless RACE pedal | |
|---|---|
| **Body:** | Aluminium, polished |
| **Size:** | 80 × 65mm |
| **Weight:** | 310 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5500

CM CBS

| Dual-Function Trekking-Bike pedal | |
|---|---|
| **Body:** | Aluminium, silver coated |
| **Size:** | 85 × 84mm |
| **Weight:** | 352 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5750

CM LBA

| Clipless low profile RACE pedal | |
|---|---|
| **Body:** | Aluminium, silver coated |
| **Size:** | 84 × 91mm |
| **Weight:** | 294 gram/pair |
| **Cleat:** | UR-5 (Look ARC compatible) inclusive |

## SP-5700

CM or T CBS

| Clipless low profile RACE pedal | |
|---|---|
| **Body:** | Aluminium, high polished |
| **Size:** | 80 × 92mm |
| **Weight:** | 294(CrMo) gram/pair<br>250(Titanium) gram/pair |
| **Cleat:** | UR-5 (Look ARC compatible) inclusive |

## SP-5700K

CM or T CBS

| Clipless low profile RACE pedal, for use in combination with innovative URK cleats | |
|---|---|
| **Body:** | Aluminium, silver coated |
| **Size:** | 78 × 91mm |
| **Weight:** | 326(CrMo) gram/pair<br>282(Titanium) gram/pair |
| **Cleat:** | URK-6 (Look KEO compatible) inclusive |

## SP-5700K BLACK

CM or T CBS

| Clipless low profile RACE pedal, for use in combination with innovative URK cleats | |
|---|---|
| **Body:** | Aluminium, black coated<br>option: white or red coated |
| **Size:** | 78 × 91mm |
| **Weight:** | 326(CrMo) gram/pair<br>282(Titanium) gram/pair |
| **Cleat:** | URK-6 (Look KEO compatible) inclusive |

## SP-5800

CM CBS BS AL BA

| Dual-Function Trekking-Bike pedal, with "non slip" elastomer tread | |
|---|---|
| **Body:** | Aluminium, ball polished |
| **Size:** | 101 × 65mm |
| **Weight:** | 354 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5850

CM LBA BS AL BA

| Dual-Function Trekking-Bike pedal, with "non slip" elastomer tread | |
|---|---|
| **Body:** | Aluminium, ball polished |
| **Size:** | 102 × 65mm |
| **Weight:** | 372 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## SP-5900

CM CBS AL BA

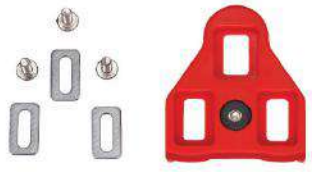
| Dual-Function MTB pedal, with reinforced axle and bearings | |
|---|---|
| **Body:** | Aluminium, ball polished |
| **Size:** | 105 × 65mm |
| **Weight:** | 446 gram/pair |
| **Cleat:** | UM-1 inclusive, Shimano 51 compatible |

## UM1

- **MTB cleat, black coated, with improved mud clearance**
- **Shimano 51 compatible**
- **4° lateral float**
- **Set with 2 cleats / 2 washers / 4 screws**

| | |
|---|---|
| **Material:** | CrMo (SCM-415) |
| **Weight:** | 54 gram/set |

## UR5



- **Racing cleat, "float", red**
- **Look "ARC" compatible**
- **9° lateral float**
- **Set with 2 cleats / 6 washers / 6 screws**

| | |
|---|---|
| **Material:** | reinforced Nylon |
| **Weight:** | 88 gram/set |

## UR6

- **Racing cleat, black**
- **Look "ARC" compatible**
- **3° lateral float**
- **Set with 2 cleats / 6 washers / 6 screws**

| | |
|---|---|
| **Material:** | reinforced Nylon |
| **Weight:** | 88 gram/set |

## URK-0

- **Racing cleat, Look KEO compatible**
- **Fix, (0° lateral float) / black**
- **Set with 2 cleats / 6 washers /6 screws**

| | |
|---|---|
| **Material:** | reinforced Nylon & TPR |
| **Weight:** | 52 gram/set |

## URK-6

- **Racing cleat, Look KEO compatible**
- **6° lateral float / red**
- **Set with 2 cleats / 6 washers /6 screws**

| | |
|---|---|
| **Material:** | reinforced Nylon & TPR |
| **Weight:** | 52 gram/set |

## URK-9

- **Racing cleat, Look KEO compatible**
- **9° lateral float / gray**
- **Set with 2 cleats / 6 washers /6 screws**

| | |
|---|---|
| **Material:** | reinforced Nylon & TPR |
| **Weight:** | 52 gram/set |

BIKE

| | |
|---|---|
| CB | Commuter bike |
| EB | E-bike |
| KID | Kids bike |
| ATB | ATB |
| MTB | MTB |
| RB | Road bike |

## VIENNA

EB CB VU ES EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 252 × 222mm |
| **Weight:** | 519 (steel) gram/pc |

## LINDAU

EB CB VU EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP |
| **Size:** | 258 × 190mm |
| **Weight:** | 443 (steel) gram/pc |

## LUGANO

EB CB VU ES EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 255 × 231mm |
| **Weight:** | 896 (steel) gram/pc |

## MONACO

EB CB VU ES EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 255 × 220mm |
| **Weight:** | 720 (steel) gram/pc |

## VERONA

EB CB VU EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP |
| **Size:** | 265 × 200mm |
| **Weight:** | 450 (steel) gram/pc |

## VARESE

EB CB VU GEL EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP |
| **Size:** | 265 × 200mm |
| **Weight:** | 450 (steel) gram/pc |

## DONAU

CB HD EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 258 × 186mm |
| **Weight:** | 439 (steel) gram/pc |

## MOSEL

CB HD EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 280 × 171mm |
| **Weight:** | 395 (steel) gram/pc |

**FOAM**
- (GEL) w / Gel inlay
- (HD) High density foam
- (HR) High Resilience foam padded
- (VU) Vacuum

**RAIL**
- /SR/ Ø7mm steel rail
- /ES/ Elastomer
- /SPS/ Spring w / safety cover
- /ST/ Satin steel rail
- /EBR/ ED black steel rail

**CLAMP**
- /CS/ Clamp set

## MÂCON

EB CB (VU) /EBR/

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 275 ×162mm |
| **Packing:** | 20 pcs./carton |

Brown cover available

## LIÈGE

EB CB (VU) /EBR/

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP + Glass fiber |
| **Size:** | 257 × 215mm |
| **Packing:** | 20 pcs./carton |

Brown cover available

## ZURIGO

EB CB (VU) /EBR/

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP |
| **Size:** | 260 × 210mm |
| **Packing:** | 20 pcs./carton |

## TORINO

ATB MTB (VU) /EBR/

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 270 × 170mm |
| **Packing:** | 420 (steel) gram/pc |

## TAUNUS

ATB MTB (HD) /EBR/

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black PP |
| **Size:** | 249 × 157mm |
| **Weight:** | 422 (steel) gram/pc |

## 3220

CB (HR) /SR/ /SPS/ /CS/

## 3225 GEL

CB (HR) (GEL) /SR/ /SPS/ /CS/

| | | | |
|---|---|---|---|
| **Top:** | Vinyl (3220) | **Top:** | PU (3225) |
| **Base:** | black PP | **Base:** | black PP |
| **Size:** | 252 × 225mm | **Size:** | 252 × 225mm |
| **Packing:** | 20 pcs./carton | **Packing:** | 20 pcs./carton |

Brown cover available

## 3240

CB (HR) /SR/ /ES/ /CS/

## 3245 GEL

CB (HR) (GEL) /SR/ /ES/ /CS/

| | | | |
|---|---|---|---|
| **Top:** | Vinyl (3240) | **Top:** | PU (3245) |
| **Base:** | black PP | **Base:** | black PP |
| **Size:** | 251 × 219mm | **Size:** | 251 × 219mm |
| **Packing:** | 20 pcs./carton | **Packing:** | 20 pcs./carton |

Brown cover available

## 3250

CB (HR) /SR/ /ES/ /CS/

## 3255 GEL

CB (HR) (GEL) /SR/ /ES/ /CS/

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black PP |
| **Size:** | 252 × 220mm |
| **Packing:** | 20 pcs./carton |

## 3110

ATB MTB (HR) /SR/ /CS/

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black PP |
| **Size:** | 260 × 160mm |
| **Packing:** | 20 pcs./carton |

## 3130

ATB MTB (HR) /SR/ /CS/

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black PP |
| **Size:** | 266 × 148mm |
| **Packing:** | 20 pcs./carton |

BIKE

| | | | |
|---|---|---|---|
| ATB | ATB | DB | Downhill bike |
| MTB | MTB | CB | Commuter bike |
| RB | Road bike | ORB | Off road bike |
| LB | Lady bike | EB | E-bike |

## VENTOUX

RB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 285 × 125mm |
| **Weight:** | 199(CrNi/Ti) gram/pc |

## VENTOUX WHITE

RB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 285 × 125mm |
| **Weight:** | 199(CrNi/Ti) gram/pc |

## TOURMALET

RB MTB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 130mm |
| **Weight:** | 234(CrNi/Ti) gram/pc |

## TOURMALET WHITE

RB MTB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 130mm |
| **Weight:** | 234(CrNi/Ti) gram/pc |

## POGGIO

RB MTB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 290 × 135mm |
| **Weight:** | 225(CrNi/Ti) gram/pc |

## POGGIO WHITE

RB MTB SL CNT

| | |
|---|---|
| **Top:** | PU + Micro fiber |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 290 × 135mm |
| **Weight:** | 225(CrNi/Ti) gram/pc |

## ARIZONA

RB MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 278 × 135mm |
| **Weight:** | 284(CrMo) gram/pc |

## ARIZONA WHITE

RB MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 278 × 135mm |
| **Weight:** | 284(CrMo) gram/pc |

FOAM
- SL Super-Light foam
- HD High density foam
- GEL w / Gel inlay
- VU Vacuum

RAIL
- CNT CrNi/Ti rail
- T-CM Two toned CrMo rail
- S-CM Satin CrMo rail
- ST Satin steel rail
- EBR ED black steel rail

## MODANE

RB MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 290 × 135mm |
| **Weight:** | 285(CrMo) gram/pc |

## MODANE WHITE

RB MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 290 × 135mm |
| **Weight:** | 285(CrMo) gram/pc |

## BRAVURA

MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 135mm |
| **Weight:** | 280(CrMo) gram/pc |

## BRAVURA WHITE

MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 135mm |
| **Weight:** | 280(CrMo) gram/pc |

## ABRUZZO

MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 136mm |
| **Weight:** | 320(CrMo) gram/pc |

## ABRUZZO WHITE

MTB HD S-CM

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 136mm |
| **Weight:** | 320(CrMo) gram/pc |

## ARDÈCHE

RB MTB HD ST

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 278 × 135mm |
| **Weight:** | 354(steel) gram/pc |

## PIEMONTE

MTB HD ST

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 136mm |
| **Weight:** | 360(steel) gram/pc |

## JURA

MTB HD ST

| | |
|---|---|
| **Top:** | Vinyl |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 135mm |
| **Weight:** | 320(steel) gram/pc |

BIKE

| | | | |
|---|---|---|---|
| ATB | ATB | DB | Downhill bike |
| MTB | MTB | CB | Commuter bike |
| RB | Road bike | ORB | Off road bike |
| LB | Lady bike | EB | E-bike |

## 3438

RB SL CNT

| | |
|---|---|
| **Top:** | Micro fiber leather |
| **Size:** | 285 × 125mm |
| **Weight:** | 199 (CrNi/Ti) gram/pc |

## 3436B

ATB RB HD S-CM

| | |
|---|---|
| **Top:** | PU leather |
| **Size:** | 295 × 150 mm |
| **Weight:** | 374 (CrMo) gram/pc |

## 3432

ATB RB SL CNT

| | |
|---|---|
| **Top:** | • Micro fiber leather + Kevlar black<br>• High Frequency & hot sealed design |
| **Size:** | 275 × 130mm |
| **Weight:** | 234 (CrNi/Ti) gram/pc |

## 3430

DB ORB HD S-CM

| | |
|---|---|
| **Top:** | • Vinyl white<br>• High Frequency design |
| **Size:** | 280 × 130mm |
| **Weight:** | 309 (CrMo) gram/pc |

## 3428

RB HD ST

| | |
|---|---|
| **Top:** | PU leather |
| **Size:** | 293 × 135mm |
| **Weight:** | 329 (steel) gram/pc |

## 3426

ATB RB HD S-CM

| | |
|---|---|
| **Top:** | • Kevlar black w/embroidery logo<br>• With anatomic hole design |
| **Size:** | 275 × 135mm |
| **Weight:** | 304 (CrMo) gram/pc |

## 3426A

ATB RB T-CM

| | |
|---|---|
| **Top:** | • Micro fiber leather<br>• With Frequency & sealed design<br>• With anatomic hole design |
| **Size:** | 275 × 135mm |
| **Weight:** | 247 (CrMo) gram/pc |

## 3426C

ATB RB HD S-CM

| | |
|---|---|
| **Top:** | Micro fiber leather |
| **Size:** | 278 × 135mm |
| **Weight:** | 284 (CrMo) gram/pc |

## 3851

RB ATB VU ST EBR

| | |
|---|---|
| **Top:** | • Environmental friendly TPU<br>• With Frequency & sealed design |
| **Size:** | 245 × 145mm |
| **Weight:** | 336 (steel) gram/pc |

## GALIBIER

RB MTB VU CNT or S-CM or EBR

| | |
|---|---|
| **Top:** | PU |
| **Base:** | black Nylon + Glass fiber |
| **Size:** | 280 × 125mm |
| **Weight:** | 235 (CrNi/Ti) or 260 (CrMo) or 300 (steel) gram/pc |

FOAM
- SL Super-Light foam
- HD High density foam
- GEL w / Gel inlay
- VU Vacuum

RAIL
- CNT CrNi/Ti Aluminium rail
- T-CM Two toned CrMo rail
- S-CM Satin CrMo rail
- ST Satin steel rail
- EBR ED black steel rail

## 3178

ATB HD S-CM

| | |
|---|---|
| **Top:** | Micro fiber leather |
| **Size:** | 274 × 135mm |
| **Weight:** | 280 (CrMo) gram/pc |

## 3170G

ATB HD ST

| | |
|---|---|
| **Top:** | Vinyl |
| **Size:** | 280 × 136 mm |
| **Weight:** | 352 (steel) gram/pc |

## 3142

MTB HD EBR

| | |
|---|---|
| **Top:** | Vinyl |
| **Size:** | 246 × 150 mm |
| **Weight:** | 330 (ED BK steel) gram/pc |

## 3132

MTB HD EBR

| | |
|---|---|
| **Top:** | Vinyl |
| **Size:** | 275 × 143 mm |
| **Weight:** | 338 (ED BK steel) gram/pc |

## 3385

CB GEL

| | |
|---|---|
| **With GEL inlay inside, for shock absorbing and comfortable riding.** | |
| **Size:** | 260 × 235mm |
| **Weight:** | 340 g |

## SC-50

| Aluminium seat clamp | |
|---|---|
| **Material:** | cold forged AL 6061, T6 |
| **Diameter:** | ø 28.6 / 31.8 / 34.9mm |
| **Color:** | black or silver |
| **Weight:** | 20 gram |

## SC-55

| Aluminium seat clamp, with stainless steel screw | |
|---|---|
| **Material:** | cold forged AL 6061, T6 |
| **Diameter:** | ø 31.8 / 34.9mm |
| **Color:** | black or silver |
| **Weight:** | 32 gram |

## SC-60

| Aluminium seat clamp, with stainless steel screw | |
|---|---|
| **Material:** | cold forged AL 6061, T6 |
| **Diameter:** | ø 28.6 / 31.8 / 34.9mm |
| **Color:** | black |
| **Weight:** | 21 gram |

## SC-65

| Aluminium seat clamp, with stainless steel screw | |
|---|---|
| **Material:** | cold forged AL 6061, T6 |
| **Diameter:** | ø 31.8 / 34.9mm |
| **Color:** | black or silver |
| **Weight:** | 26 gram |

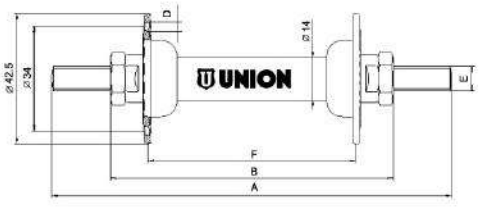
## SC-70QR

| Aluminium seat clamp, with quick release bolt | |
|---|---|
| **Material:** | cold forged AL 6061, T6 |
| **Diameter:** | ø 28.6 / 31.8 / 34.9mm |
| **Color:** | black or silver |
| **Weight:** | 51 gram |

## QR-650

| Aluminium Quick Release | |
|---|---|
| **Material:** | AL 6061 lever and nut, Cr-Mo skewer |
| **Length:** | 50mm |
| **Color:** | black or silver |
| **Weight:** | 39 gram |

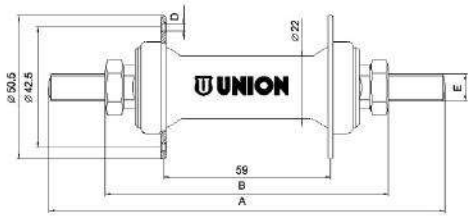
## 410




| Front hub type | Weight (gram) | Number of spoke holes | A Axle length (Mm) | B Over lock nut dimension (Mm) | Free axle end Right + left (Mm) | D Spoke hole Diameter (Mm) | E Axle thread | F Flange distance (Mm) |
|---|---|---|---|---|---|---|---|---|
| | w/o nuts | | | | | | | |
| 410-01 | 153 | 16 | 120 | 80 | 20 | 2.8 +/-0.1 | 5/16" x 26TPI | 56.5 |
| 410-02 | 166 | 16 | 130 | 92 | 19 | 2.8 +/-0.1 | 5/16" x 26TPI | 56.5 |
| 410-03 | 164 | 16 | 130 | 92 | 19 | 2.8 +/-0.1 | 5/16" x 26TPI | 67.5 |
| 410-04 | 163 | 20 | 130 | 92 | 19 | 2.8 +/-0.1 | 5/16" x 26TPI | 67.5 |
| 410-05 | 160 | 36 | 130 | 92 | 19 | 2.8 +/-0.1 | 5/16" x 26TPI | 67.5 |
| 410-06 | 162 | 28 | 130 | 92 | 19 | 2.8 +/-0.1 | 5/16" x 26TPI | 67.5 |
| 412-01 | 195 | 36 | 140 | 100 | 20 | 2.8 +/-0.1 | 3/8" x 26TPI | 67.5 |

## 420

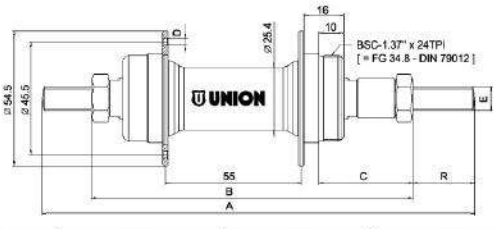
## 420QR




| Front hub type | Weight (gram) | Number of spoke holes | A Axle length (mm) | B Over lock nut dimension (mm) | Free axle end right + left (mm) | D Spoke hole diameter (mm) | E Axle thread | F Flange distance (mm) |
|---|---|---|---|---|---|---|---|---|
| | w/o nuts | | | | | | | |
| 420-01 | 248 | 36 | 140 | 100 | 20 | 2.8 +/-0.1 | 3/8" x 26TPI | 59 |
| | with QR | | | | | | | |
| 420-01 QR | 267 | 36 | 108 | 100 | 4 | 2.8 +/-0.1 | 3/8" x 26TPI | 59 |

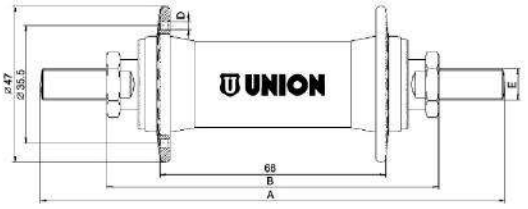
## 463

All STEEL hubs also available in black




| Rear hub type | Weight (gram) | Number of spoke holes | A Axle length (mm) | B Over lock nut dimension (mm) | C Sprocket clearance (mm) | R Free Axle right (mm) | D Spoke hole diameter (mm) | E Axle thread |
|---|---|---|---|---|---|---|---|---|
| | w/o nuts | | | | | | | |
| 463-7 | 370 | 36 | 175 | 130 | 38 | 25 | 2.8 +/-0.1 | 3/8" x 26TPI |
| 463-7 CrMo | 370 | 36 | 175 | 130 | 38 | 25 | 2.8 +/-0.1 | 3/8" x 26TPI |
| 463-8 | 372 | 36 | 180 | 135 | 40 | 25 | 2.8 +/-0.1 | 3/8" x 26TPI |
| 463-8 CrMo | 372 | 36 | 180 | 135 | 40 | 25 | 2.8 +/-0.1 | 3/8" x 26TPI |

## 512




## 512QR

Rubber cap

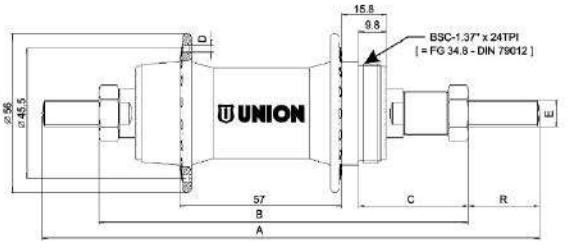
Safety washer

Flange nut

Cap nut 17mm total height

| Front hub type | Weight (gram) | Number of spoke holes | A Axle length (mm) | B Over lock nut dimension (mm) | Free axle right (mm) | D Spoke hole diameter (mm) | E Axle thread |
|---|---|---|---|---|---|---|---|
| 512 | w/o nuts 176 | 36 | 140 | 100 | 20 | 2.9 +/-0.1 | 3/8" x 26TPI |
| 512 QR | with QR 188 | 36 | 108 | 100 | 4 | 2.9 +/-0.1 | M9 x 1 |

## 562




## 562QR

All ALUMINIUM hubs also available in black (anodized)

Rubber cap

Flange nut

Cap nut 21mm total height

| Rear hub type | Weight (gram) | Number of spoke holes | A Axle length (mm) | B Over lock nut dimension (mm) | C Sprocket clearance (mm) | R Free axle right (mm) | D Spoke hole diameter (mm) | E Axle thread |
|---|---|---|---|---|---|---|---|---|
| 562-7 | w/o nuts 286 | 36 | 175 | 130 | 38 | 25 | 2.9+/-0.1 | 3/8" x 26TPI |
| 562-8 | 291 | 36 | 180 | 135 | 40 | 25 | 2.9+/-0.1 | 3/8" x 26TPI |
| 562-7 QR | with QR 301 | 36 | 140 | 130 | 38 | 5 | 2.9+/-0.1 | M10 x 1 |
| 562-8 QR | 311 | 36 | 145 | 135 | 40 | 5 | 2.9+/-0.1 | M10 x 1 |

## E-Bike Lights

### UN-4200E EXTREME E-BIKE

- For use at EPAC (E-Bike) at a Voltage between 6V to 48V DC
- Front light with 1 x LED white
- 80 Lux performance
- Aluminium heat sink in U-shape
- 1+1 INPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

∿∿ K 1738
IA (E1) 024913

### UN-4270E SPARK E-BIKE

- For use at EPAC (E-Bike) at a Voltage between 6V to 44V DC
- Front light with 1 x LED white
- 50 Lux performance
- 1+1 INPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

∿∿ K 1598
IA (E1) 024913

### UN-4250E VENTI E-BIKE

- For use at EPAC (E-Bike) at a Voltage between 6V to 44V DC
- Front light with 1 x LED white
- 20 Lux performance
- 1+1 INPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

∿∿ K 990
IA (E1) 023716

### UN-4930E RETRO 40 E-BIKE

- For use at EPAC (E-Bike) at a Voltage between 6V to 44V DC
- Classic front light with 1 x LED white
- 40 Lux performance
- 1+1 INPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

∿∿ K 1123
IA (E1) 024005

### UN-4990E CLASSICO E-BIKE

- For use at EPAC (E-Bike) at a Voltage between 6V to 48V DC
- Classic front light with 1 x LED white
- 30 Lux performance
- 1+1 INPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

∿∿ K 1657
IA (E1) 024592

## UN-4370E

- For use at EPAC (E-Bike) at a Voltage between 6V to 15V DC
- 1 bright red LED and light bar for high luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- Base with stainless steel M5 bolt, washer and lock nut

∿∿∿ K 1326
IA (E1) 024515

## UN-4350E

- For use at EPAC (E-Bike) at a Voltage between 6V to 15V DC
- 1 bright red LED and light bar for high luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- Base with 2 x M5 bolts, for luggage carrier mounting 50/80 mm
- With stainless steel fasteners

## UN-4360E

- For use at EPAC (E-Bike) at a Voltage between 6V to A15V DC
- 3 red LED and light bar for very bright luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- With stainless steel fasteners

∿∿∿ K 1237
IA (E1) 024302

- Base with 2 x M5 bolts, for flexible luggage carrier mounting 50/80 mm

## HB-11

- Nylon bracket with swivel (for M6 bolt use)
- With stainless steel bolts and lock nuts (black)

## HA-1

- Nylon adapter for SUNTOUR: CR8, CR85-E25, NCX, NEX, NEX-E25 and for ZOOM
- With stainless steel bolt and lock nut (black)

## HA-2

- Nylon adapter for SUNTOUR: MOBIE, NCX 32, NEX-E25-C, NVX, XCM-32-ATB, XCR-32-ATB
- With stainless steel bolt and lock nut (black)

## HA-6

- Nylon adapter for RST
- With stainless steel bolt and lock nut (black)

## Headlights: 6 Volt / 2.4 Watt

### UN-4920 RETRO 20

- Classic front light with 1 x LED white
- 20 Lux performance
- For use with side dynamo
- With 2+2 INPUT and OUTPUT terminal lugs
- Mounting on front fork, bracket stainless steel

K 1122
IA E1 024005

### UN-4930 RETRO 40

- Classic front light with 1 x LED white
- 40 Lux performance
- For use with side dynamo
- With 2+2 INPUT and OUTPUT terminal lugs
- Mounting on front fork, bracket stainless steel

K 1123
IA E1 024005

### UN-4925 RETRO 20 ON/OFF

- Like RETRO 20 (UN-4920), with on/off switch
- For use with hub dynamo
- With 2+2 INPUT and OUTPUT terminal lugs

### UN-4926 RETRO 20 STEADY

- Like RETRO 20 ON/OFF (UN-4925)
- With "battery free" standlight function

### UN-4935 RETRO 40 ON/OFF

- Like RETRO 40 (UN-4930), with on/off switch
- For use with hub dynamo
- With 2+2 INPUT and OUTPUT terminal lugs

### UN-4936 RETRO 40 STEADY

- Like RETRO 40 ON/OFF (UN-4935)
- With "battery free" standlight function

### UN-4928 RETRO 20 STEADY SENSOR

- Like RETRO 20 STEADY (UN-4926), with on/auto/off switch
- With automatic ON/OFF mode

### UN-4938 RETRO 40 STEADY SENSOR

- Like RETRO 40 STEADY (UN-4936), with on/auto/off switch
- With automatic ON/OFF mode

IA E1 023511

### UN-4965 MOBILE

- Front light with 1 x LED white, and on/off button at the top
- For use with hub dynamo, with fixed twin cable
- Mounting on front fork, bracket stainless steel

black

white

IA E1 023511

### UN-4990 CLASSICO

- Classic front light with 1 x LED white
- 30 Lux performance
- For use with side dynamo, with fixed input twin cable
- 1+1 terminal lugs for optional tail light connection
- Mounting at the front fork, bracket stainless steel

K 1657
IA E1 024592

### UN-4995 CLASSICO ON/OFF

- Like CLASSICO (UN-4990), with on/off switch
- For use with hub dynamo, with fixed input twin cable
- 1+1 terminal lugs for tail light connection

### UN-4996 CLASSICO STEADY

- Like CLASSICO ON/OFF (UN-4995)
- With "battery free" stand light function

### UN-4965+ MOBILE PLUS

- Front light with 1 x high power LED and on/off button at the top
- 10 Lux performance
- For use with hub dynamo, with fixed twin cable
- Mounting on front fork, bracket stainless steel

black

### UN-4220

- Durable ABS housing
- HALOGEN bulb
- 1+1 plug-on contact for secure twin-cable connection
- Base with serration washer and ground contact

K 418

### UN-4225

- Like UN-4220, with additional ON-OFF switch for use with hub dynamo
- 1+1 lugs for twin-cable connection to dynamo and 1+1 terminal lugs for taillight connection

K 418

K 1598
IA E1 024913

## UN-4275 SPARK ON/OFF
- Front light with 1 x LED white
- 50 Lux performance
- With on/off switch, for use, with hub dynamo
- 2+2 INPUT and OUTPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

## UN-4276 SPARK STEADY
- Like SPARK ON/OFF (UN-4275)
- With "battery free" stand light function

## UN-4278 SPARK STEADY SENSOR
- Like SPARK STEADY (UN-4276), with on/auto/off switch
- With automatic ON/OFF mode

K 990
IA E1 023716

## UN-4250 VENTI
- Front light with 1 x LED white
- 20 Lux performance
- For use with side dynamo
- With 1+1 INPUT terminal lugs
- Mounting on front fork, bracket stainless steel

## UN-4255 VENTI ON/OFF
- Like VENTI (UN-4250),with on/off switch
- For use with hub dynamo, with fixed twin cable, 60 cm
- With 1+1 terminal lugs for tail light connection

## UN-4256 VENTI STEADY
- Like VENTI ON/OFF (UN-4255)
- With "battery free" stand light function

## UN-4258 VENTI STEADY SENSOR
- Like VENTI STEADY (UN-4256), with on/auto/off switch
- With automatic ON/OFF mode

## UN-4290 LUPA
- Front light with 1 x LED white
- 30 Lux performance
- For use with side dynamo
- 2+2 INPUT and OUTPUT terminal lugs, for optional tail light connection
- Mounting at the front fork, bracket stainless steel

## UN-4295 LUPA ON/OFF
- Like LUPA (UN-4290), with on/off switch
- For use with hub dynamo
- 2+2 INPUT and OUTPUT terminal lugs

K 1738
IA E1 024913

## UN-4205 EXTREME ON/OFF
- Front light with 1 x LED white
- 80 Lux performance
- Aluminium heat sink in U-shape
- With on/off switch, for use with hub dynamo
- 2+2 INPUT and OUTPUT terminal lugs
- Mounting at the front fork, bracket stainless steel

## UN-4206 EXTREME STEADY
- Like EXTREME ON/OFF (UN-4205)
- With "battery free" stand light function

## UN-4208 EXTREME STEADY SENSOR
- Like EXTREME STEADY (UN-4206), with on/auto/off switch
- With "battery free" stand light function

K 836
IA E1 023273

## UN-4260 HILUX
- Front light with 1 x LED white
- 35 Lux performance
- For use with side dynamo
- With 1+1 INPUT terminal lugs
- Mounting on front fork, bracket stainless steel

## UN-4265 HILUX ON/OFF
- Like HILUX (UN-4260),with on/off switch
- For use with hub dynamo, with fixed twin cable, 60 cm
- With 1+1 terminal lugs for taillight connection

## UN-4266 HILUX STEADY
- Like HILUX ON/OFF (UN-4265)
- With "battery free" stand light function

## UN-4268 HILUX STEADY SENSOR
- Like HILUX STEADY (UN-4266), with on/auto/off switch
- With automatic ON/OFF mode

K 1657
IA E1 024592

## UN-4296 LUPA STEADY
- Like LUPA ON/OFF (UN-4295)
- With "battery free" stand light function

## UN-4298 LUPA STEADY SENSOR
- Like LUPA STEADY (UN-4296)with on/auto/off switch
- With automatic ON/OFF mode

## Rear Lights: 6 Volt

### UN-4370
- 1 red LED and light bar for bright luminosity
- Extra wide radiation >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- Base with stainless steel M5 bolt, washer and lock nut

### UN-4375
- Like UN-4370
- With additional "battery free" stand light function, powered by capacitor

K 1326 IA E1 024515

### UN-4360
- 3 red LED and light bar for very bright luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- Base with 2 x M5 bolts, for luggage carrier mounting 50/80 mm
- With stainless steel fasteners

### UN-4365
- Like UN-4360
- With additional "battery free" stand light function, powered by capacitor

K 1237 IA E1 024302

### UN-4350
- 1 bright red LED and light bar for high luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- 1+1 INPUT terminal lugs
- Base with 2 x M5 for luggage carrier mounting 50/80 mm
- With stainless steel fasteners

### UN-4355
- Like UN-4350
- With additional "battery free" stand light function, powered by capacitor

### UN-4340
- 1 bright red LED for extra wide radiation >220°
- Transparent lens
- Durable ABS housing
- 1+1 clamp contact
- Base with 2 x M5 bolt, for luggage carrier mounting 50/80mm

### UN-4345
- Like UN-4340
- With additional "battery free" stand light function, powered by capacitor

K 694

### UN-4320
- 3 red LED for >220° radiation
- Transparent lens
- Durable ABS housing
- 1+1 clamp contact
- Base with M 5 bolt, for easy mudguard mounting

### UN-4325
- Like UN-4320
- With additional "battery free" stand light function, powered by capacitor

K 693

## Dynamos: 6 Volt / 3 Watt

### UN-4105
- Effi ciency more than 35%
- Release lever for easy operating
- Durable nylon pulley
- 1+1 clamp contact for twin-cable
- Zinc plated bracket with serration washer
- RIGHT- and LEFT- side type
- Maintenance free
- Weight : 147g

K 386

### UN-4190
- Effi ciency more than 35%
- Sintered steel bearings
- Serrated steel pulley
- 1+1 clamp contact for twin-cable
- Zinc plated bracket with serration washer
- RIGHT- and LEFT- side type
- Maintenance free
- Weight : 202g

### UN-4125
- Effi ciency more than 35%
- Release lever for easy operating
- Durable rubber pulley
- 2+2 plug-on contacts for twin-cable
- Zinc plated bracket + serration washer
- RIGHT- and LEFT- side type available
- Maintenance free
- Weight : 150g

K 386

### UN-4195
- Effi ciency more than 35%
- Sintered steel bearings
- Durable rubber pulley
- 1+1 clamp contact for twin-cable
- Zinc plated bracket + serration washer
- RIGHT- and LEFT- side type available
- Maintenance free
- Weight : 148g

K 386

# LED Headlights

## UN-4980 CLASSICO BATTERY

- Front light with 1 x LED white, with on/off button at the top
- 20 Lux performance
- Batteries : 4 x AAA alkaline, included and assembled
- Mounting at the front fork, bracket stainless steel

K 1374
IA E1 024592

## UN-4915 RETRO BATTERY

- Classic front light with 1 x LED white
- 20 Lux performance
- With on/off button at the top
- Batteries : 4 x AAA alkaline, included and assembled
- Mounting on front fork, bracket stainless steel

K 1122
IA E1 024005

## UN-4960 MOBILE BATTERY

- Front light with 1 x LED white and on/off button at the top
- Batteries: 2 x AA alkaline, included and assembled
- Mounting on front fork, bracket stainless steel

black/black

white/white

IA E1 023511

## UN-4900

- Front light with 3 x LED white, with on/off button at the top
- Batteries: 3 x AAA alkaline, included and assembled
- Mounting on handlebar stem bracket
- ABS-housing, available in black and chrome

## UN-4900 STAINLESS STEEL & RETRO REFLECTOR

- Like UN-4900, with lamp holder in stainless steel
- With retro reflector in ring design
- ABS-housing, available in black and chrome

## UN-4280 LUPA BATTERY

- Front light with 1 x LED white, with on/off button at the top
- 20 Lux performance
- Batteries : 4 x AAA alkaline, included and assembled
- Mounting at the front fork, bracket stainless steel

K 1374
IA E1 024592

## UN-4240 VENTI BATTERY

- Front light with 1 x LED white, with on/off button at the top
- 20 Lux performance
- Batteries : 4 x AAA alkaline, included and assembled
- Mounting on front fork, bracket stainless steel

## UN-4245 VENTI BATTERY SENSOR

- Like VENTI BATTERY (UN-4240)
- With automatic ON/OFF mode

K 1196
IA E1 024188

## UN-4960+ MOBILE PLUS BATTERY

- Front light with 1 x high power LED, with two modes (low / high) by push button at the top
- 10 Lux in high mode /5 Lux in low mode
- Batteries : 2 x AA alkaline, included and assembled
- Mounting on front fork, bracket stainless steel

black/black

IA E1 023511

## UN-4800

- Front light with 1 x LED white and on/off button at the front
- 10 Lux performance
- Batteries: 3 x AAA alkaline, included and assembled
- Mounting at the front fork, bracket stainless steel

## UN-4955

- Classic LED front light, downsized
- With on/off button at the top and 1 x high power LED white
- Batteries: 2 x AAA alkaline, included and assembled
- Various mounting opportunities, bracket flange stainless steel

# LED rear lights

## UN-4470

- 1 red LED and light bar for bright luminosity
- Extra wide radiation >220°
- Transparent lens and durable ABS housing
- Batteries: 2x AAA,included and assembled
- On/off switch at the back side
- Base with M5 bolt
- With stainless steel fasteners

## UN-4475

- Like UN-4470, with 1 red LED and light bar
- With automatic ON/OFF mode

∿∿ K 1326
IA (E1) 024515

## UN-4460

- 3 red LED and light bar for very bright luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- Batteries: 2 x AA, included and assembled
- On/off button at the side
- Base with 2 x M5 bolts, for luggage carrier mounting 50/80 mm
- With stainless steel fasteners

## UN-4465

- Like UN-4460, with 3 red LED and light bar
- With automatic ON/OFF mode

∿∿ K 1237
IA (E1) 024302

## UN-4450

- 1 bright red LED and light bar for high luminosity
- Extra wide radiation to the sides >220°
- Transparent lens and durable ABS housing
- Batteries: 2 x AAA alkaline, included and assembled
- On/off switch at the side
- Base with 2 x M5 for luggage carrier mounting 50/80 mm
- With stainless steel fasteners

## UN-4430

- Rear carrier light with 2 x LED red and light bar, with on/off switch at the bottom
- Batteries: 2 x AA alkaline, included and assembled
- Mounting on rear carrier with pitch 80mm (alternative 50mm)
- With stainless steel fasteners

IA (E1) 023409

## UN-4420

- Rear carrier light with 3 x LED red, with on/off switch
- Batteries: 2 x AA alkaline, included and assembled
- Mounting on rear carrier with pitch 80mm (alternative 50mm)
- With stainless steel fasteners

IA (E1) 023349

## UN-4400

- Rear carrier light with 2 x LED red in SMD technology and additional lenses, with on/off switch
- Batteries: 2 x AA alkaline, included and assembled
- Mounting on rear carrier with pitch 80mm (alternative 50mm)

## UN-4309

- Rear mudguard light with 1 x LED red, with on/off switch at the back side
- Extra water resistant
- Batteries: 2 x AAA alkaline, included and assembled
- Stainless steel fasteners, including lock nut
- Mounting on rear mudguard
- With smoke glass

IA (E1) 024515

## UN-4307

- Rear mudguard light with 1 x LED red, with on/off switch at the back side
- Extra water resistant
- Batteries: 2 x AAA alkaline, included and assembled
- Stainless steel fasteners, including lock nut
- Mounting on rear mudguard
- With smoke glass

IA (E1) 023408

# Li-Ion Battery Lights

## UN-100 **

- Front light LED
- Direct USB adapter
- Steady + flash
- Burning time 2.5 HRS

**Also available in a set as UN-102

## UN-101 **

- Tail light LED
- Direct USB adapter
- Steady + flash
- Burning time 2.5 HRS

## UN-120

- Tail light LED (2 x LED)
- Incl. micro USB charging cable
- Steady + flash
- Adjustable rubber quick release
- Burning time 6 HRS

## UN-130

- Tail light LED (2 x LED)
- Incl. USB 2.0 charging cable
- Bracket system with finger screw
- Steady + flash + steady 50%
- Burning time 4 HRS

## UN-150

- Front light LED
- 2 x LED (2 LUX)
- Incl. micro USB charging cable
- Steady + flash
- Adjustable rubber quick release
- Burning time 6 HRS

## UN-160

- Front light LED
- 2 x LED (4 LUX)
- Incl. USB 2.0 charging cable
- Bracket system with finger screw
- Black version with handlebar and V-brake bracket
- Steady + flash + steady 50%
- Burning time 4 HRS

## UN-170

- Front light LED
- 1 x LED (30 LUX)
- Incl. USB 2.0 charging cable
- Bracket system with finger screw
- With handlebar and V-brake bracket
- Steady + flash + steady 50%
- Burning time 4 HRS

## UN-170M2

- Front light LED
- 1 x LED (30 LUX)
- Incl. USB 2.0 charging cable
- Bracket system with finger screw
- Black version with handlebar and V-brake bracket
- Steady + flash + steady 50%
- Burning time 8 HRS

## UNION- 5N / 8N-SILVER

- UNION-N cycle computer with silver coloured housing
- Available with 5- and 8- functions with wire (dark grey inner panel)

## UNION- 5N / 8N-BLACK

- UNION-N cycle computer with black coloured housing
- Available with 5- and 8- functions with wire (black inner panel)

## UNION- 5 / 8 / 10

- UNION cycle computer with titanium coloured housing
- Available with 5-, 8- and 10- functions with wire

## UNION- 9W

- UNION cycle computer with titanium coloured housing
- Available with 9- functions wireless

| MODEL / FUNCTION | UNION-5N UNION-5 | UNION-8N UNION-8 | UNION-10 | UNION-9W |
|---|---|---|---|---|
| Current speed | v | v | v | v |
| Average speed | | v | v | v |
| Maximum speed | | v | v | v |
| Trip distance | v | v | v | v |
| Odometer | v | v | v | v |
| Distance/ day | | | | v |
| Auto scan | v | v | v | v |
| Speed pacer | | | v | |
| Riding time | | v | v | v |
| Total riding time | | | v | |
| 12 hours clock | v | v | v | |
| 12/24 hours clock | | | | v |
| **FEATURES** | | | | |
| With wire | v | v | v | |
| Wireless | | | | v |
| Auto ON/OFF | | | | v |

- 8 models of high quality computers
- Two years of full guarantee
- All computers packed in blister-panelbox
- Exclusive housing designs
- Special handlebar bracket
- Assembly instructions and user manual in 10 languages
- Easy installment

## UNION- 12

- UNION cycle computer with transparent upper housing and white lower casing
- Available with 12- functions with wire
- Low battery indicator

## UNION- 7TW

- UNION cycle computer
- Available in white
- 7- functions, wireless

## UNION- 21TAW

- UNION cycle computer
- Available in black
- 21- functions, wireless
- Incl. altitude functions
- Incl. Calories consumption and temperature
- Low battery indicator and backlight

| MODEL / FUNCTION | UNION-12 | UNION-7TW | UNION-21TAW |
|---|---|---|---|
| Current speed | v | v | v |
| Average speed | v | v | v |
| Maximum speed | v | | v |
| Trip distance | v | v | v |
| Dual wheel size | | | v |
| Odometer bike 1 & 2 | | | v |
| (Total)Odometer | v | v | v |
| Distance/ day | | | v |
| Auto scan | v | | v |
| Speed pacer | v | v | v |
| Riding time | v | v | v |
| Total riding time | v | | |
| 12/24 hours clock | v | v | v |
| Calory consumption | v | | v |
| Total calory consumption | v | | v |
| Temperature | | | v |
| Current altitude | | | v |
| Maximum altitude | | | v |
| Trip climb | | | v |
| Total climb bike 1 & 2 | | | v |
| Total climb | | | v |
| Backlight | | | v |
| | FEATURES | | |
| With wire | v | | |
| Wireless | | v | v |
| Low battery indicator | v | | v |
| Auto ON/OFF | | v | v |

- 3 models of high quality computers
- All computers packed in blister-panelbox
- Two years of full guarantee
- Exclusive housing designs
- Special handlebar bracket
- Assembly instructions and user manual in 10 languages
- Easy installment

## Headset Tool

**BT-301**
Headset wrench
30-32mm x 36-40mm

## Hub Cone Tool

**BT-310**
Hub cone wrench
13-15mm x 14-16mm
(set of 2 pieces)

## Tire Lever

**BT-850**
Tire lever set (nylon / fiberglass reinforced)

## Bottom Bracket Tool

**BT-630**
Cartridge bottom bracket
tool (Shimano-type)

## Freewheel and Cassette Tools

**BT-410**
Freewheel remover for Shimano HG20

**BT-420**
Cassette sprocket lockring tool with
stabilizer (Shimano-type)

**BT-440**
Cassette sprocket lockring tool (Shimano-type)

**BT-490**
Freewheet turner (chainwhip)

## Spoke Tools

**BT-127**
Spoke wrench for 0,127"
nipples (DT Swiss &
Wheelsmith)

**BT-136**
Spoke wrench for 0,136"
nipples (Asian nipples)

**BT-130**
Spoke wrench for 0,130"
nipples (European nipples)

**BT-139**
Spoke wrench 3-in-1
(for all nipples)

## Crank Tools

### BT-510
Cotterless crank extractor (14mm)

### BT-520
Cotterless crank extractor with wrench (all axles)

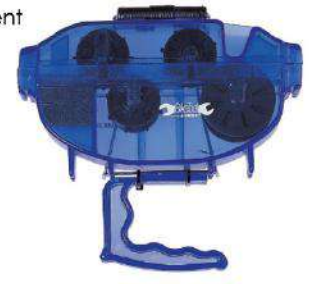
## Chain Tools

### BT-710
Chain rivet extractor (fits all chains)

### BT-750
Chain rivet extractor Cr-Mo steel (fits all chains)

## Cleaning Tools

### BT-780
Chain scrubber with solvent reservoir and bristles



### BT-860
Derailleur and chain scrubber

## Workshop Stand

### BT-999
Aluminium workshop stand
Completely foldable
Bicycle can be fixed under any angle (360°)

## Folding Tool

### BT-950
Folding tool with 9 functions

- Full range of high quality bicycle chains
- Type tested and certificated by German TüV Product Service
- Two years warranty
- All chains packed in a compact panelbox with euroslot
- All panelboxes include connector for tool-free assembly
- All panelboxes carry BAR code
- QR-code for easy access to product information
- 3 models with special GST coating for supreme anti-rust protection

**step 1**
To connect the Sigma Connector, hold the inner plate ends of the chain in both hands and insert the connecting link.

**step 2**
Now that one side of the Sigma Connector is inserted, place the outer connector plate on one pin, then place your thumbs over the outside plate and both pins. Gently flex the chain by pushing with thumbs until the outside connector plate snaps into position over the second pin.

**step 3**
Make sure the plates are parallel to each other and plate is fully seated in the pin channel. Note: If the outside connector plate is not seated in the channel, the plate may fall off.

**Disassembly :**
With the connector plate facing you, grasp the chain 4 to 5 links away from the connector and flex the chain by pushing with your thumbs. The link disconnects and the connector can be removed.

Greener Surface Treatment

GST 300 resists > 300hrs. salt spray test

| | Type | Art.nr. | Size | Length | Finish | Design | Tensils strenght | Compatibility | Extra feature | Connector |
|---|---|---|---|---|---|---|---|---|---|---|
| | 747 | 390190 | 1/2"×1/8" | 112 links | black | bush-type roller chain | >920 KGS | coaster brake | - | 1 set UN-01 included |
| | 410H | 390410 | 1/2"×1/8" | 112 links | black | bush-less | >920 KGS | single speed and gear hub 1/8" | - | 1 set UN-33 included |
| | 410H-AR | 390415 | 1/2"×1/8" | 112 links | titanium-grey with black pins | bush-less | >920 KGS | single speed and gear hub 1/8" | GST 300 | 1 set UN-33 in GST grey included |
| | 430H | 390430 | 1/2"×3/32" | 112 links | black | bush-less | >1020 KGS | gear hub 3/32" and non-index | - | 1 set UN-25 included |
| | 430H-AR | 390435 | 1/2"×3/32" | 112 links | titanium-grey with black pins | bush-less | >1020 KGS | gear hub 3/32" | GST 300 | 1 set UN-25 in GST grey included |
| | 710 | 390710 | 1/2"×3/32" | 116 links | black | bush-less | >1020 KGS | 5-/6-/7-speed index UG | - | 1 set UN-23 included |
| | 810 | 390810 | 1/2"×3/32" | 116 links | black | bush-less | >1020 KGS | 7-/8-speed IG/HG | Inner chamfer on inner plates | 1 set UN-23 included |

| | Type | Art.nr. | Description | Application | Quantity | Size | Finish |
|---|---|---|---|---|---|---|---|
| | UN-01 | 390001 | Spring clip connector<br>Use standard plier<br>Fits all chain brands | 1/2"×1/8" bush-type coaster brake chain | 2 sets on card or 500 in bulk | 1/2"×1/8" | black |
| | UN-33 | 390033 | Sigma connector<br>No tools required<br>Fits all chain brands | 1/2"×1/8"chain for gear hub or single speed | 2 sets on card or 500 in bulk | 1/2"×1/8" | black |
| | UN-25 | 390025 | Sigma connector<br>No tools required<br>Fits all chain brands | 1/2"×3/32"chain for gear hub | 2 sets on card or 500 in bulk | 1/2"×3/32" | black |
| | UN-23 | 390023 | Sigma connector<br>No tools required<br>Fits all chain brands | 1/2"×3/32" derailleur chain 5-/6-/7-8-speed | 2 sets on card or 500 in bulk | 1/2"×3/32" | black/silver |
| | UN-20 | 390020 | Sigma connector<br>No tools required<br>Fits all chain brands | 1/2"×5/64" derailleur chain 9-speed | 2 sets on card or 500 in bulk | 1/2"×5/64" | silver |

**GH-001**
fits various brands

**GH-002**
fits various brands

**GH-003**
fits various brands

**GH-005**
fits various brands

**GH-006**
fits various brands

**GH-009**
fits various brands

**GH-010**
fits various brands

**GH-011**
fits various brands

**GH-012**
fits various brands

**GH-013**
fits various brands

**GH-014**
fits various brands

**GH-015**
fits various brands

**GH-017**
fits various brands

**GH-018**
fits various brands

**GH-020**
fits various brands

**GH-021**
fits Giant and others

**GH-022**
fits various brands

**GH-023**
fits various brands

**GH-026**
fits various brands

**GH-027**
fits various brands

**GH-029**
fits various brands

**GH-033**
fits various brands

**GH-036**
fits various brands

**GH-038**
fits various brands

**GH-039**
fits various brands

**GH-041**
fits various brands

**GH-043**
fits various brands

**GH-045**
fits various brands

**GH-049**
fits various brands

**GH-051**
fits various brands

**GH-056**
fits various brands

**GH-057**
fits various brands

**GH-058**
fits various brands

**GH-059**
fits various brands

**GH-060**
fits various brands

**GH-061**
fits various brands

Check for all bike brands and model lists our website: **www.marwi-eu.com/gh**

**GH-062**
fits various brands

**GH-063**
fits various brands

**GH-068**
fits Trek and others

**GH-069**
fits various brands

**GH-072**
fits various brands

**GH-075**
fits various brands

**GH-076**
fits various brands

**GH-078**
fits various brands

**GH-080**
fits various brands

**GH-081**
fits various brands

**GH-082**
fits various brands

**GH-083**
fits Specialized(road)

**GH-084**
fits Specialized(MTB)

**GH-085**
fits Cube

**GH-086**
fits Specialized

**GH-087**
fits various brands

**GH-088**
fits various brands

**GH-089**
fits Specialized

**GH-090**
fits Felt

**GH-092**
fits Bianchi

**GH-093**
fits various brands

**GH-094**
fits Specialized

**GH-095**
fits Marin

**GH-096**
fits Marin

**GH-097**
fits Corratec and others

**GH-098**
fits KTM

**GH-099**
fits KTM

**GH-100**
fits various brands

**GH-101**
fits various brands

**GH-102**
fits various brands

**GH-103**
fits various brands

**GH-104**
fits various brands

**GH-105**
fits various brands

**GH-106**
fits various brands

**GH-107**
fits various brands

**GH-108**
fits Cannondale

**GH-109**
fits Cannondale

**GH-110**
fits Giant

**GH-111**
fits Trek

**GH-112**
fits Trek

**GH-113**
fits Trek and others

**GH-114**
fits various brands

**GH-115**
fits various brands

**GH-116**
fits various brands

**GH-117**
fits various brands

**GH-118**
fits various brands

**GH-119**
fits various brands

**GH-120**
fits Scott

**GH-121**
fits various brands

**GH-122**
fits various brands

**GH-123**
fits various brands

**GH-124**
fits various brands

**GH-125**
fits Cannondale

**GH-126**
fits various brands

**GH-127**
fits various brands

**GH-128**
fits various brands

**GH-129**
fits various brands

**GH-130**
fits various brands

**GH-131**
fits various brands

**GH-132**
fits Felt and others

**GH-133**
fits various brands

**GH-134**
fits Giant

**GH-135**
fits Giant

**GH-136**
fits Giant

**GH-137**
fits Trek

**GH-138**
fits Trek

**GH-139**
fits Trek

**GH-140**
fits Specialized

**GH-141**
fits Specialized

**GH-142**
fits Specialized

**GH-143**
fits Specialized

**GH-144**
fits GT

Check for all bike brands and model lists our website: **www.marwi-eu.com/gh**

**GH-145**
fits various brands

**GH-146**
fits various brands

**GH-147**
fits Cervelo, Eddy Merckx

**GH-148**
fits Cannondale

**GH-149**
fits Cannondale

**GH-150**
fits Cannondale

**GH-151**
fits Cannondale

**GH-152**
fits Eddy Merckx

**GH-153**
fits various brands

**GH-154**
fits various brands

**GH-155**
fits Orbea

**GH-156**
fits Scott

**GH-157**
fits Scott

**GH-158**
fits Cervelo

**GH-159**
fits Specialized

**GH-160**
fits Cannondale

**GH-161**
fits Trek

**GH-162**
fits Lapierre, Koga

**GH-163**
fits Scott

**GH-164**
fits Cube

**GH-165**
fits Cube

**GH-166**
fits Specialized

**GH-167**
fits Lapierre, Ghost

**GH-168**
fits Lapierre

**GH-169**
fits Ghost

**GH-170**
fits Ghost

**GH-171**
fits Ghost

**GH-172**
fits Ghost

**GH-173**
fits Ghost, Koga

**GH-174**
fits Ghost, Koga

**GH-175**
fits Cube

**GH-176**
fits Cube

**GH-177**
fits Cube

**GH-178**
fits Bergamont

**GH-179**
fits Stevens

**GH-180**
fits Stevens, Kuota

**GH-181**
fits Scott

**GH-182**
fits Scott

**GH-183**
fits Giant

**GH-184**
fits Giant

**GH-185**
fits Giant

**GH-186**
fits Giant

**GH-187**
fits various brands

**GH-188**
fits Trek

**GH-189**
fits Trek

**GH-190**
fits Trek

**GH-191**
fits Giant

**GH-192**
fits Cannondale

**GH-199**
fits KTM

**GH-200**
fits various brands

**GH-201**
fits Cube

**GH-202**
fits various brands

**GH-203**
fits Stevens, BMC

**GH-204**
fits Focus

**GH-205**
fits Fuji

**GH-206**
fits Cannondale

**GH-207**
fits Cervelo

**GH-208**
fits Colnago

**GH-209**
fits Willer and others

**GH-210**
fits Bulls and others

**GH-211**
fits BH and others

**GH-212**
fits Scott

**GH-213**
fits various brands

**GH-214**
fits Focus

**GH-215**
fits Focus

**GH-216**
fits Focus

**GH-217**
fits Scott

**GH-218**
fits Lapierre

**GH-219**
fits various brands

**GH-220**
fits various brands

**GH-221**
fits Lapierre

**GH-222**
fits Lapierre

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**GH-223**
fits Lapierre

**GH-224**
fits Haibike

**GH-225**
fits Trek

**GH-226**
fits BMC

**GH-227**
fits Bergamont

**GH-228**
fits Fuji

**GH-229**
fits Focus and others

**GH-230**
fits BMC

**GH-231**
fits Pinarello

**GH-232**
fits Felt

**GH-233**
fits Giant

**GH-234**
fits Willer

**GH-235**
fits Giant

**GH-236**
fits Ghost

**GH-237**
fits BMC

**GH-238**
fits various brands

**GH-239**
fits various brands

**GH-240**
fits various brands

**GH-241**
fits various brands

**GH-242**
fits various brands

**GH-243**
fits BH

**GH-244**
fits various brands

**GH-245**
fits various brands

**GH-246**
fits KTM

**GH-247**
fits KTM

**GH-248**
fits KTM

**GH-249**
fits Bulls

**GH-250**
fits Bulls

**GH-251**
fits Bulls

**GH-252**
fits Bulls

**GH-253**
fits Bulls

**GH-254**
fits Bulls

**GH-255**
fits Bulls

**GH-256**
fits Orbea

**GH-257**
fits Cube

**GH-258**
fits Stevens, Corratec

**GH-259**
fits Giant

**GH-260**
fits Cannondale

**GH-261**
fits Giant

**GH-262**
fits BH

**GH-263**
fits Bulls

**GH-264**
fits Cube

**GH-265**
fits Orbea

**GH-266**
fits Focus

**GH-267**
fits Focus

**GH-268**
fits Decathion

**GH-269**
fits Stevens

**GH-270**
fits Canyon

**GH-271**
fits Bergamont

**GH-272**
fits Bergamont

**GH-273**
fits Bergamont

**GH-274**
fits Orbea

**GH-275**
fits Scott

**GH-276**
fits Scott

**GH-277**
fits Scott

**GH-278**
fits Scott

**GH-279**
fits Stevens

**GH-280**
fits Stevens

**GH-281**
fits Scott

**GH-282**
fits Orbea

**GH-283**
fits GT

**GH-284**
fits GT

**GH-285**
fits Cube

**GH-286**
fits Cube

**GH-287**
fits Cube

**GH-288**
fits Cube

**GH-289**
fits Focus

**GH-290**
fits Focus

**GH-291**
fits Focus

**GH-292**
fits Scott

**GH-293**
fits Specialized

**GH-294**
fits Specialized

**GH-295**
fits Specialized

**GH-296**
fits Specialized

**GH-297**
fits Specialized

**GH-299**
fits Haiblke

**GH-300**
fits Haiblke

**GH-301**
fits Haiblke & others

**GH-302**
fits Specialized

**GH-298**
fits Specialized

**CONTENT:**
GH-001 GH-002 GH-003
GH-005 GH-006 GH-009
GH-010 GH-011 GH-012
GH-013 GH-014 GH-015
GH-017 GH-018 GH-020
GH-022 GH-023 GH-029
GH-033 GH-039

## BOX TOP-20
Assortment box with the 20 most sold gear hangers (1 pc. each), fitting frames for hundreds of bike brands.

**CONTENT:**
GH-021 GH-026 GH-036
GH-043 GH-045 GH-056
GH-058 GH-068 GH-080
GH-106 GH-107 GH-114
GH-116 GH-117 GH-119
GH-124 GH-126 GH-128
GH-130 GH-131

## BOX TOP 21-40
Assortment box with another 20 common gear hangers (1 pc. each), fitting frames for many different bike brands.

**CONTENT:**
GH-083 GH-086 GH-094
GH-108 GH-109 GH-110
GH-111 GH-112 GH-134
GH-135 GH-139 GH-140
GH-017 GH-018 GH-020
GH-142 GH-148 GH-149
GH-150 GH-151

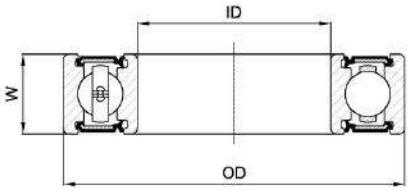
## BOX SPECIALS
Assortment box with the 20 special hangers fitting the lastest frames of Cannondale, Specialized, Trek and Giant

## BOX SELECTION
Create your own assortment box, using your selection from the 160 different stickers that come with this box, all drawings at scale 1:1

NEW

## CARTRIDGE BEARING

**Races:** CrMo
**Balls:** CrMo (HRC 61-66)
**Retainer:** Steel
**Sealing:** Rubber 2RS (light contact)
**Grease:** Multemp SRL (Kyodo Yushi)
**Tolerance:** ABEC-3




| CARTRIDGE BEARING | | |
|---|---|---|
| Item No. | Bearing No. | IDxODxW |
| CB-010 | MR105 | 5x10x4 |
| CB-011 | 685 | 5x11x5 |
| CB-012 | 695 | 5x13x4 |
| CB-013 | 605 | 5x14x5 |
| CB-020 | MR106 | 6x10x3 |
| CB-021 | 686 | 6x13x5 |
| CB-022 | 696 | 6x15x5 |
| CB-024 | 606 | 6x17x6 |
| CB-025 | 626 | 6x19x6 |
| CB-030 | MR137 | 7x13x4 |
| CB-031 | 607 | 7x19x6 |
| CB-040 | 688 | 8x16x5 |
| CB-041 | 698 | 8x19x6 |
| CB-042 | 608 | 8x22x7 |
| CB-050 | 689 | 9x17x5 |
| CB-051 | 699 | 9x20x6 |
| CB-053 | R6 | 3/8"x7/8"x9/32" |
| CB-056 | 609 | 9x24x7 |
| CB-058 | 629 | 9x26x8 |
| CB-060 | 6700 | 10x15x4 |
| CB-061 | 6800 | 10x19x5 |
| CB-062 | 63800 | 10x19x7 |
| CB-064 | 6900 | 10x22x6 |
| CB-065 | 6000 | 10x26x8 |
| CB-066 | MR16100 | 10x28x8 |
| CB-067 | 6200 | 10x30x9 |
| CB-070 | 6701 | 12x18x4 |
| CB-071 | 6801 | 12x21x5 |

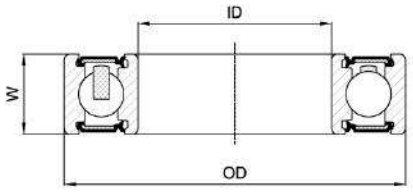
| CARTRIDGE BEARING | | |
|---|---|---|
| Item No. | Bearing No. | IDxODxW |
| CB-072 | 63801 | 12x21x7 |
| CB-074 | 6901 | 12x24x6 |
| CB-075 | 6001 | 12x28x8 |
| CB-078 | 6201 | 12x32x10 |
| CB-080 | 6702 | 15x21x4 |
| CB-081 | 6802 | 15x24x5 |
| CB-082 | 63802 | 15x24x7 |
| CB-083 | MR15267 | 15x26x7 |
| CB-084 | MR15268 | 15x26x8 |
| CB-085 | 6902 | 15x28x7 |
| CB-086 | 6002 | 15x32x9 |
| CB-088 | 6202 | 15x35x11 |
| CB-091 | MR16287 | 16x28x7 |
| CB-093 | MR163110 | 16x31x10 |
| CB-100 | 6703 | 17x23x4 |
| CB-101 | 6803 | 17x26x5 |
| CB-104 | MR17286 | 17x28x6 |
| CB-105 | MR17287 | 17x28x7 |
| CB-106 | 6903 | 17x30x7 |
| CB-107 | 6003 | 17x35x10 |
| CB-108 | 6203 | 17x40x12 |
| CB-110 | MR18307 | 18x30x7 |
| CB-130 | 6704 | 20x27x4 |
| CB-131 | MR20307 | 20x30x7 |
| CB-132 | 6804 | 20x32x7 |
| CB-133 | 63804 | 20x32x10 |
| CB-134 | 6904 | 20x37x9 |
| CB-135 | 6004 | 20x42x12 |

| CARTRIDGE BEARING | | |
|---|---|---|
| Item No. | Bearing No. | IDxODxW |
| CB-138 | MR215317 | 21.5x31x7 |
| CB-141 | MR22378 | 22x37x8 |
| CB-145 | MR22378B | 22x37x8/11.5 |
| CB-146 | MR22378-E | 22x37x8/11.5 |
| CB-160 | MR24377 | 24x37x7 |
| CB-162 | MR24378 | 24x37x8 |
| CB-170 | 6705 | 25x32x4 |
| CB-171 | 6805/6 | 25x37x6 |
| CB-172 | 6805 | 25x37x7 |
| CB-174 | 63805 | 25x37x10 |
| CB-176 | 6905 | 25x42x9 |
| CB-178 | 6005 | 25x47x12 |
| CB-180 | 6805B | 25.1x37x7 |
| CB-190 | MR27537 | 27.5x37x7 |
| CB-200 | R8 | 1/2"x1-1/8"x 5/16" |
| CB-210 | 6706 | 30x37x4 |
| CB-212 | 6806 | 30x42x7 |
| CB-214 | 6906 | 30x47x9 |
| CB-230 | MR314357 | 31x43.5x7 |
| CB-240 | 6707 | 35x44x5 |
| CB-244 | 6807 | 35x47x7 |
| CB-251 | 6708 | 40x50x6 |
| CB-252 | 6808 | 40x52x7 |
| CB-260 | 6809 | 45x58x7 |
| CB-270 | 6710 | 50x62x6 |
| CB-271 | 6810 | 50x65x7 |

NEW

## CERAMIC BEARING

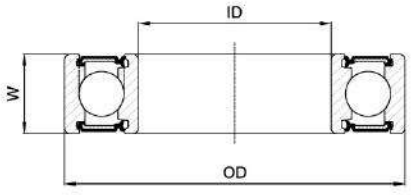
**Races:** CrMo
**Balls:** $Si_3N_4$ Silicon Nitride (HRC 75-89)
**Retainer:** Nylon
**Sealing:** Rubber LLB (non contact)
**Grease:** Multemp PS2 (Kyodo Yushi)
**Tolerance:** ABEC-5




| CERAMIC BEARING | | |
|---|---|---|
| **Item No.** | **Bearing No.** | **IDxODxW** |
| CB-305 | 686 CER | 6x13x5 |
| CB-308 | 626 CER | 6x19x6 |
| CB-311 | 697 CER | 7x17x5 |
| CB-314 | 607 CER | 7x19x6 |
| CB-317 | 688 CER | 8x16x5 |
| CB-320 | 608 CER | 8x22x7 |
| CB-323 | 6800 CER | 10x19x5 |
| CB-326 | 6900 CER | 10x22x6 |
| CB-329 | 6000 CER | 10x26x8 |
| CB-332 | 6801 CER | 12x21x5 |
| CB-335 | 6901 CER | 12x24x6 |
| CB-338 | 6001 CER | 12x28x8 |
| CB-341 | 6802 CER | 15x24x5 |
| CB-344 | MR15267 CER | 15x26x7 |
| CB-347 | 6902 CER | 15x28x7 |
| CB-350 | 6803 CER | 17x26x5 |
| CB-353 | MR17287 CER | 17x28x7 |
| CB-356 | 6903 CER | 17x30x7 |
| CB-365 | 6804CER | 20x32x7 |
| CB-368 | 6904 CER | 20x37x9 |
| CB-371 | MR24377 CER | 24x37x7 |
| CB-374 | 6805 CER | 25x37x7 |
| CB-377 | 6806 CER | 30x42x7 |
| CB-380 | 6807 CER | 35x47x7 |

## MAX BEARING

**Races:** CrMo
**Balls:** CrMo (HRC 61-66)
**Retainer:** Non (full ball bearing)
**Sealing:** Rubber LLU (full contact)
**Grease:** Multemp SLR (Kyodo Yushi)

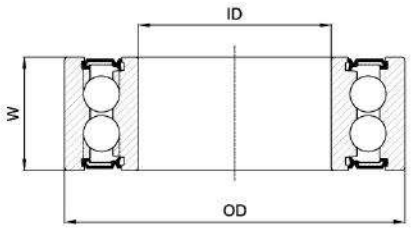



| MAX BEARING | | |
|---|---|---|
| **Item No.** | **Bearing No.** | **IDxODxW** |
| CB-420 | 668V MAX | 8x16x5 |
| CB-423 | 698V MAX | 8x19x6 |
| CB-426 | 608V MAX | 8x22x7 |
| CB-429 | 6800V MAX | 10x19x5 |
| CB-432 | 63800V MAX | 10x19x7 |
| CB-435 | 6900V MAX | 10x22x6 |
| CB-438 | 6000V MAX | 10x26x8 |
| CB-441 | 6801V MAX | 12x21x5 |
| CB-444 | 6901V MAX | 12x24x6 |
| CB-447 | 6001V MAX | 12x28x8 |

| MAX BEARING | | |
|---|---|---|
| **Item No.** | **Bearing No.** | **IDxODxW** |
| CB-450 | 6802V MAX | 15x24x5 |
| CB-453 | 6902V MAX | 15x28x7 |
| CB-456 | 6803V MAX | 17x26x5 |
| CB-459 | 17286V MAX | 17x28x6 |
| CB-462 | 6903V MAX | 17x30x7 |
| CB-465 | 6804V MAX | 20x32x7 |
| CB-468 | 6805V MAX | 25x37x7 |
| CB-471 | 6808V MAX | 40x52x7 |
| CB-474 | 6809V MAX | 45x58x7 |

## MAX DOUBLE ROW BEARING

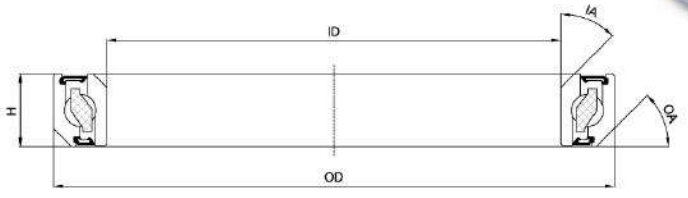
**Races:** CrMo
**Balls:** CrMo (HRC 61-66)
**Retainer:** Non (full ball bearing)
**Sealing:** Rubber LLU (full contact)
**Grease:** Multemp SLR (Kyodo Yushi)




| MAX DOUBLE ROW BEARING | | |
|---|---|---|
| **Item No.** | **Bearing No.** | **IDxODxW** |
| CB-620 | DR11197V MAX | 11x19x7 double row |
| CB-625 | 3801V MAX | 12x21x8 double row |
| CB-630 | 3901V MAX | 12x24x10 double row |
| CB-635 | 3802V MAX | 15x24x7 double row |
| CB-640 | DR17289V MAX | 17x28x9 double row |

## HEADSET BEARING

**Races:** CrMo
**Balls:** CrMo (HRC 61-66)
**Retainer:** Nylon
**Sealing:** Rubber LLU (full contact)
**Grease:** Multemp SRL (Kyodo Yushi)




| HEADSET BEARING | | |
|---|---|---|
| Item No. | IDxODxH | IA/OA |
| CB-706 | 27.2x38x6.5 | 36°/45° |
| CB-710 | 30.2x39x6.5 | 45°/45° |
| CB-713 | 30.2x41x6.5 | 36°/45° |
| CB-714 | 30.2x41x6.5 | 45°/45° |
| CB-715 | 30.2x41x7 | 36°/45° |
| CB-716 | 30.2x41x7 | 45°/45° |
| CB-720 | 30.2x41.5x6.5 | 36°/36° |
| CB-723 | 30.2x41.8x6.5 | 45°/45° |
| CB-725 | 30.2x41.8x7 | 45°/45° |
| CB-732 | 30.5x41.8x6.5 | 45°/45° |
| CB-735 | 30.5x41.8x8 | 45°/45° |
| CB-740 | 31x41.8x8 | 45°/45° |
| CB-745 | 33.05x43.8x7 | 30°/45° |
| CB-751 | 34.1x46x7 | 45°/45° |
| CB-752 | 34.1x46.8x7 | 45°/45° |

| HEADSET BEARING | | |
|---|---|---|
| Item No. | IDxODxH | IA/OA |
| CB-755 | 34.1x46.9x7 | 45°/45° |
| CB-762 | 37x46.9x7 | 45°/45° |
| CB-764 | 37x48x6.5 | 36°/45° |
| CB-766 | 37x48x7 | 45°/45° |
| CB-768 | 37x49x6.5 | 36°/45° |
| CB-770 | 37x49x7 | 45°/45° |
| CB-774 | 40x51x6.5 | 36°/36° |
| CB-776 | 40x51.8x7.5 | 36°/45° |
| CB-778 | 40x51.8x8 | 36°/45° |
| CB-780 | 40x51.9x8 | 45°/45° |
| CB-782 | 40x52x6.5 | 36°/45° |
| CB-784 | 40x52x7 | 45°/45° |
| CB-786 | 40x52x7.5 | 45°/45° |
| CB-790 | 40x52x8 | 45°/45° |

Or **Organic** compound is specially formulated to produce excellent all around performance, perfect for everyday use.

Sin **Sintered** compound is designed to produce consistent performance in all condition, offer high durability and high resistance to contamination by mud, water, sand and grit.

* **With spring**

A AVID · C CAMPAGNOLO · C CLARKS · F FORMULA · G GIANT · H HAYES

H HOPE · M MAGURA · P PROMAX · S SHIMANO · S SRAM · T TEKTRO · Z ZOOM

### A AVID

**DBP-11** Or
**DBP-11S** Sin *

for AVID Juicy BB7 / Juicy Ultimate and PROMAX DSK-950

### A AVID

**DBP-34** Or
**DBP-34S** Sin *

for AVID Code

### A AVID

**DBP-38** Or
**DBP-38S** Sin *

for AVID BB5

### A AVID

**DBP-44** Or
**DBP-44S** Sin *

for AVID Elixir / DB and SRAM XX /XO series

### A AVID

**DBP-57** Or
**DBP-57S** Sin *

for AVID XO trail and SRAM GUIDE

### A AVID

**DBP-63** Or
**DBP-63S** Sin *

for AVID DB1 / DB3

### C CAMPAGNOLO

**DBP-67** Or

for CAMPAGNOLO

### C CLARKS

**DBP-62** Or

for CLARKS CMB-B

### F FORMULA

**DBP-07** Or

for FORMULA hydraulic callipers

### F FORMULA

**DBP-16** Or
**DBP-16S** Sin *

for FORMULA B4 Team / Pro / SL & 4Racing callipers

### F FORMULA

**DBP-31** Or
**DBP-31S** Sin *

for FORMULA Oro callipers

### F FORMULA

**DBP-42** Or
**DBP-42S** Sin *

for FORMULA Mega

### F FORMULA

**DBP-50** Or

for FORMULA Activa / MD1 mechanical callipers

### G GIANT

**DBP-21** Or

for GIANT MPH 2 / 3 callipers

### G GIANT

**DBP-51** Or

for GIANT MPH 1 callipers

### H HAYES

**DBP-01** Or
**DBP-01S** Sin

for HAYES HFX and PROMAX hydraulic callipers

### H HAYES

**DBP-26** Or
**DBP-26S** Sin

for HAYES Sole / MX2 / MX3

### H HAYES

**DBP-37** Or
**DBP-37S** Sin

for HAYES El Camino callipers

### H HAYES

**DBP-40** Or
**DBP-40S** Sin *

for HAYES Stroker Ryde

### H HAYES

**DBP-41** Or
**DBP-41S** Sin

for HAYES Stroker Trial

### H HAYES

**DBP-45** Or
**DBP-45S** Sin

for HAYES Ace

### H HOPE

**DBP-05** Or
**DBP-05S** Sin

for HOPE open/closed 2-piston callipers Pro / Sport

### H HOPE

**DBP-20** Or
**DBP-20S** Sin *

for HOPE Mini callipers

### H HOPE

**DBP-22** Or
**DBP-22S** Sin *

for HOPE M4 / DH4 / E4 callipers

### H HOPE

**DBP-24** Or *

for HOPE XC4

HOPE
DBP-28 Or
DBP-28S Sin *

for HOPE Mono 6-pot callipers

HOPE
DBP-29 Or
DBP-29S Sin *

for HOPE Mono mini callipers

HOPE
DBP-35 Or *

for HOPE Mono V2

HOPE
DBP-39 Or

for HOPE Mono trial

HOPE
DBP-48 Or
DBP-48S Sin *

for HOPE X2

HOPE
DBP-58 Or
DBP-58S Sin *

for HOPE V4

HOPE
DBP-59 Or
DBP-59S Sin *

for HOPE E4

MAGURA
DBP-04 Or
DBP-04S Sin

for MAGURA Clara 2000 / Louise 98-01 callipers

MAGURA
DBP-12 Or
DBP-12S Sin

for MAGURA Julie callipers

MAGURA
DBP-14 Or
DBP-14S Sin

for MAGURA Clara 2001-2 / Louise 2002/Louise FR callipers

MAGURA
DBP-18 Or *

for MAGURA Gustav M callipers

MAGURA
DBP-19 Or
DBP-19S Sin

for MAGURA Marta / SL callipers

MAGURA
DBP-36 Or
DBP-36S Sin

for MAGURA Louise 2007 / Louise Carbon 2008

MAGURA
DBP-55 Or
DBP-55S Sin

for MAGURA MT2/ MT4/ MT6/ MT8

MAGURA
DBP-60 Or
DBP-60S Sin

for MAGURA MT5/MT7

MAGURA
DBP-65 Or
DBP-65S Sin

for MAGURA MT5 (2015-)

PROMAX
DBP-30 Or

for PROMAX DSK-400 / 601J / X-nine

SHIMANO
DBP-09 Or
DBP-09S Sin *

for SHIMANO Deore XT M755 / 756 / GRIMECA System 8.0+12 / SRAM 9.0 / HOPE Mono M4 callipers

SHIMANO
DBP-10 Or
DBP-10S Sin *

for SHIMANO Deore M515/M475/ C501/C601 mechanical/M525 hydraulic callipers

SHIMANO
DBP-15 Or
DBP-15S Sin *

for SHIMANO Deore M555 hydraulic / C900 / 901 Nexave callipers

SHIMANO
DBP-17 Or
DBP-17S Sin *

for SHIMANO XTR M965/966/Saint M800/Hone M-601/Deore XT M765/ LX M858 callipers

SHIMANO
DBP-43 Or
DBP-43S Sin *

for SHIMANO Saint

SHIMANO
DBP-52 Or
DBP-52S Sin *

for SHIMANO XTR 2011-2016

SHIMANO
DBP-64 Or
DBP-64S Sin *

for SHIMANO Ultegra

SRAM
DBP-54 Or
DBP-54S Sin

for SRAM Red / Level

TEKTRO
DBP-08 Or
DBP-08S Sin

for TEKTRO mechanical callipers

TEKTRO
DBP-27 Or
DBP-27S Sin *

for TEKTRO Volans / Auriga / E-Sub

TEKTRO
DBP-46 Or

for TEKTRO IOX

TEKTRO
DBP-56 Or
DBP-56S Sin

for TEKTRO Lyra

ZOOM
DBP-23 Or

for ZOOM

## Disc Brake Pads E-Bike

Substitute your standard disc brake pad of your E-bike with a special UNION E-bike pad
The E-bike pad has a special compound with a high percentage of KEVLAR®
The life span will be 50% longer than standard organic versions of these pads
No brake power fading due to overheated brake pads
The E-bike pads offer consistent and smooth braking power, also at higher speed

### DBP-10E
for Shimano Deore

### DBP-43E
for Shimano Saint

### DBP-52E
for Shimano XTR 2011-

### DBP-44E
for AVID Elixir

### DBP-53E
for AVID code / SRAM

### DBP-57E
for AVID XO / SRAM Guide

### DBP-55E
for Magura MT-2/4/6/8

### DBP-60E
for Magura MT-5/7

### DBP-65E
for Magura MT-5 (2015-)

### DBP-61E
for Tektro Dorado

## Disc Brake Rotors

Special high grade stainless steel,
excellent wet/dry performance, disc wear and heat dissipation

| | | | | |
|---|---|---|---|---|
| 1 Wavy | DBR-02-160 | ø160mm | Stainless Steel | 6 bolts |
| | DBR-02-180 | ø180mm | | |
| | DBR-02-203 | ø203mm | | |
| 2 WindCutter | DBR-03-160 | ø160mm | | |
| | DBR-03-180 | ø180mm | | |
| | DBR-03-203 | ø203mm | | |

1

2

## Disc Brake Pads with Cooling Fins

The cooling fin helps to prevent heat build-up by improving the heat dissipation and reduce the brake-pad surface temperature by 50°C
No brake power fading due to overheated brake pads
Exactly the same specifications as originally supplied, ensuring consistent performance
Brake pad compound with high friction coefficient that offers consistent and smooth braking power

### DBP-44C-SET
for AVID DB / Elixir

### DBP-42C-SET
for FORMULA Mega One

### DBP-55C-SET
for MAGURA MT2 / MT4 / MT6 / MT8

### DBP-17C-SET
for SHIMANO XTR -2010

### DBP-52C-SET
for SHIMANO XTR 2011-2016

### DBP-64C-SET
for SHIMANO Ultegra

### ASSORTMENT BOX TOP-20

| CONTENT : | | | | |
|---|---|---|---|---|
| | DBP-11 | AVID | DBP-12 | MAGURA |
| | DBP-38 | AVID | DBP-14 | MAGURA |
| | DBP-44 | AVID | DBP-36 | MAGURA |
| | DBP-57 | AVID | DBP-55 | MAGURA |
| | DBP-31 | FORMULA | DBP-10 | SHIMANO |
| | DBP-42 | FORMULA | DBP-17 | SHIMANO |
| | DBP-01 | HAYES | DBP-52 | SHIMANO |
| | DBP-26 | HAYES | DBP-64 | SHIMANO |
| | DBP-40 | HAYES | DBP-08 | TEKTRO |
| | DBP-04 | MAGURA | DBP-46 | TEKTRO |

### WORKSHOP BOXES (25 PRS.)

Packed per 25 sets incl. spring and pin
Boxes are stackable
8 different models available

| | |
|---|---|
| DBP-10 bulk box | DBP-44 bulk box |
| DBP-11 bulk box | DBP-52 bulk box |
| DBP-17 bulk box | DBP-55 bulk box |
| DBP-42 bulk box | DBP-64 bulk box |

## BS-300

- V-Brake brake shoes, cartridge
- Aluminium pad holder
- Silver finish
- Length: 72mm
- Also available in black finish

## BS-301

- Pads & pins only, for BS-300
- Length: 72mm

## BS-320

- V-Brake brake shoes, cartridge
- Aluminium pad holder
- Silver finish
- Triple color pad
- Length: 72mm

## BS-321

- Pads & pins only, for BS-320
- Length: 72mm

## BS-400

- V-Brake brake shoes
- Non-symmetric post
- Length: 72mm

## BS-420

- V-Brake brake shoes
- Symmetric post
- Length: 70mm

## BS-440

- V-Brake brake shoes
- Non-symmetric post
- Length: 80mm
- Specially designed for E-Bike

## BS-460

- V-Brake brake shoes
- Symmetric post
- Length: 75mm
- Specially designed for E-Bike

## BS-500

- Cantilever brake shoes
- Hardened Aluminium post (non-symmetric)
- Length: 72mm

## BS-520

- Cantilever brake shoes
- Hardened Aluminium post (symmetric)
- Length: 70mm

## BS-560

- Cantilever brake shoes
- Symmetric post
- Length: 55mm

## BS-600

- Road racing brake shoes, cartridge
- Shimano type
- Aluminium pad holder
- Silver finish
- Length: 55mm
- Also available in black finish

## BS-601

- Pads only, for BS-600
- For Aluminium rims
- Length: 55mm

## BS-620

- Road racing brake shoes
- Universal type
- Length: 50mm

## BS-641

- Pads only, for BS-640
- For Aluminium rims
- Length: 55mm

## BS-660

- Road racing brake shoes, cartridge
- Campagnolo Record & Chorus -2000
- Aluminium pad holder
- Carbon anodized finish
- Length: 55mm

## BS-661

- Pads only, for BS-660
- For Aluminium rims
- Length: 55mm

## BS-801

- For Magura hydraulic rim brake
- Replacement pads only
- Length: 50mm

## BS-801E

- For Magura hydraulic rim brake
- Replacement pads only
- Length: 50mm
- Specially designed for E-Bike

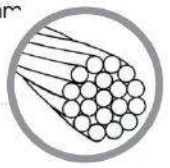
## WORKSHOP BOXES

- Packed per 25 sets in a sturdy plastic box
- Boxes are stackable
- 6 different models available in a workshop box:

| | |
|---|---|
| BS-300 bulk box | BS-500 bulk box |
| BS-400 bulk box | BS-520 bulk box |
| BS-420 bulk box | BS-560 bulk box |

## CW-100
Brake cable, 1.6mm,
galvanized steel,
19 strands, length 2250mm

## CW-120
Brake cable, 1.6mm,
stainless steel, 19 strands,
length 2250mm



## CW-200
Shift/derailleur cable,
1.2mm, galvanized steel,
19 strands, length 2100mm

## CW-220
Shift/derailleur cable,
1.2mm, stainless steel,
19 strands, length 2100mm

## CW-350
Shift/derailleur casing,
Shimano-type stranded core,
black, dia. 4mm,
length 2000mm

## CW-400
Complete brake cable set,
galvanized steel (2250mm),
including outer casing and parts

## CW-420
Complete brake cable set,
stainless steel (2250mm),
including outer casing and parts

## CW-440
Complete shift/derailleur cable set, galvanized steel
(2100mm), including outer casing
(Shimano-type) and parts

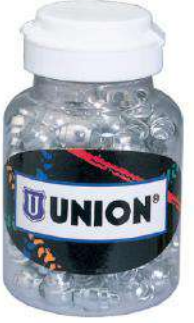
## CW-460
Complete shift/derailleur cable set , stainless steel
(2100mm), including outer casing (Shimano-type)
and parts

## CW-900
Brake ferrules
200 pcs. in a dispenser bottle

## CW-910
Shift ferrules
150 pcs. in dispenser bottle

## CW-920
Brake end caps
500 pcs. in dispenser bottle

## CW-930
Shift end caps
500 pcs. in dispenser bottle



| | | |
|---|---|---|
| CW-430 | | Complete drumbrake cable set, galvanized steel (2250mm)<br>Gazelle-type<br>Including outer casing and all parts |
| CW-434 | | Complete drumbrake cable set, galvanized steel (2250mm)<br>Universal type with adjusting screw<br>Including outer casing and all parts |
| CW-438 | | Complete drumbrake cable set, galvanized steel (2250mm)<br>Batavus-type with hook<br>Including outer casing and all parts |
| CW-470 | | Complete shift cable set, galvanized steel (2500mm)<br>SRAM / Sachs Torpedo<br>Including outer casing and all parts |

## CW-600
Brake cable, 1.6mm, galvanized steel,
19 strands, with barrel (7x6)
100 pcs. of 1800mm, in workshop box

## CW-620
Brake cable, 1.6mm, stainless steel,
19 strands, with barrel (7x6)
100 pcs. of 1800mm, in workshop box

## CW-625
Brake cable, 1.6mm, stainless steel,
19 strands, with pear (10x6)
100 pcs. of 1800mm, in workshop box

## CW-700
Shift/derailleur cable, 1.2mm, galvanized steel, 19 strands,
with barrel (4x4) 100 pcs. of 2100mm, in workshop box

## CW-720
Shift/derailleur cable, 1.2mm, stainless steel, 19 strands,
with barrel (4x4) 100 pcs. of 2100mm, in workshop box

## CW-590
V-Brake guide pipe,
90 degrees
With rubber boot

## CW-596
V-Brake guide pipe,
flexible
With rubber boot

## CW-595
V-Brake guide pipe,
135 degrees
With rubber boot

## CW-800
Brake outer casing, universal coiled core, dia. 5mm
(CW-300) 30 metres in workshop box, black

## CW-810
Brake outer casing, universal coiled core, dia. 5mm
(CW-310) 30 metres in workshop box, grey

## CW-850
Shift/derailleur casing, Shimano-type stranded core, dia. 4mm
(CW-350) 30 metres in workshop box, black

## CW-860
Shift/derailleur casing, Shimano-type stranded core, dia. 4mm
(CW-360) 30 metres in workshop box, grey

## WBC-10

**TIG-welded**
**Water Bottle Cage**

- Aluminium #6061-T4
- 154mm length, for ~ Ø74 mm
- Ø 6.2mm Alum. wire cage
- Colors: Black or silver
- Weight: 63 gram

## WBC-20

**TIG-welded**
**Water Bottle Cage**

- Aluminium #6061-T4
- 153mm length, for ~ Ø74 mm
- Ø 6.2mm Alum. wire cage
- Colors: Black or silver
- Weight: 68 gram

## WBC-25

**Aluminium Plate**
**Water Bottle Cage**

- One piece aluminium type, in welding free design
- 120 mm length, for ~ Ø74 mm
- Colors: Black or white
- Weight: 49 gram

## WBC-30

**Aluminium Plate**
**Water Bottle Cage**

- Ultra-light design by using aluminium #5052, 1.2 mm thick
- Rubber cap for more flexibility
- 145 mm length, for ~ Ø74 mm
- Colors: Black or white
- Weight: 26 gram

## WBC-40

**PC Water Bottle Cage**

- Polycarbonate (PC) material
- Extended and open back side design for more flexibility
- 145 mm length, for ~ Ø74 mm
- Colors: Black or white
- Weight: 28 gram

## WBC-50

**Aluminium Plate**
**Water Bottle Cage**

- Welding free design
- Take the bottle from the side,for narrow bike frames and for left or right hand users
- 130 mm length, for ~ Ø74 mm
- Color: Black
- Weight: 43 gram

## BP-01G

**Aluminium Mini Pump with T-handle & Gauge**

- Like BP-01, with additional precise in-line gauge

## BP-02G

**Pocket Aluminium Pump with In-Line Gauge**

- Like BP-02, with additional precise in-line gauge
- With aluminium lever and aluminium valve cap

## MG-01

- MTB/ATB 24"-26" front and rear fender
- Clips on and off quickly
- Incl. all necessary hardware

## MG-03

- Fender for downtube of MTB 22"-26"
- Assembly by 2 anti-slip rubber woven straps

## MG-04F/R

- Road bike 700C and 26" front fender
- Light weight design
- Quick fit by 2 long rubber straps (Front)
- Quick release system for seat post (Rear)

## MG-11F/R

- MTB 24"-26" front fender
- Suitable for suspension bikes
- Special TPR material mudflap
- Fits steering tubes from 18.5-25.4mm (Front)
- Quick release system for seat post (Rear)

## GP-01

- Black + grey
- Length: 128mm
  with cutting line at 85mm

## GP-02

- Black + grey
- Length: 128mm
  with cutting line at 90mm

## GP-02L

- Black + grey
- Length: 128mm
  with black lock-on ring
  also available in long/ short
  combination 128mm + 100mm (GP-02LS)

## GP-02LS

## GP-03

- Black
- Length: 130mm
  with cutting line at 95mm

## GP-03L

- Black
- Length: 125mm
  with black lock-on ring
  also available in long/ short
  combination 125mm + 90mm (GP-03LS)

## GP-04

- Black
- Length: 128mm

## GP-05

- Black + grey + dark grey
- Length: 130mm
  with cutting line at 95mm

## GP-06

- Black + gray
- Length: 125mm

## GP-07

- Black + grey
- Length: 130mm
  with cutting line at 95mm

## GP-25 /GP-26

- Brown leather
- Length: 130mm
  with ti-coloured lock-on ring
  also available in long/short
  combination 130mm + 95mm (GP-26)

## GP-27 / GP-28

- Black leather
- Length: 130mm
  with black lock-on ring
  also available in long/short
  combination 130mm + 95mm (GP-28)

## KS-10

- Kickstand for rear stay mount
- Material: Aluminium, ED black
- Adjustable 24" - 28"

## KS-20

- Center mount kickstand (middle assy)
- Material: Aluminium, silver or ED black
- Adjustable 24" - 28"

## KS-30

- Center mount double leg kickstand
- Material: Aluminium, #6061-T6, ED black
- For bike size 28"
- Foot width 195mm

## KS-35

- Center mount double leg kickstand
- Material: Aluminium #6061 silver or ED black
- Adjustable 24" - 28"
- Foot width 195mm

## TB-01

- Tri-bar with arm rest pads
- Material: Aluminium #6061-T6
- Powder coated black
- Weight: 640g

## MB-01

- Multibar for trekking bikes
- Material: Aluminium #6061-T6
- Width 570mm
- Available in matt black and polished silver

## MB-02

- Foam set for Multibar
- Damping shock and vibration
- Length 400mm
- Incl. 2 handlebar plugs

## AH-10

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 25.4mm
- Extension 90mm

## AH-11

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 25.4mm
- Extension 110mm

## AH-12

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 25.4mm
- Extension 130mm

## AH-20

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 31.8mm
- Extension 95mm

## AH-21

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 31.8mm
- Extension 110mm

## AH-22

- A-head adjustable 0-60 degrees
- Material: Aluminium #6061-T6, black coated
- Bar bore size 31.8mm
- Extension 125mm

## BE-30

- Bar end, one piece 3D forged
- Material: Aluminium #6061-T6, black anodized
- Length: 85mm
- Weight: 121g

## BE-20

- Bar end, one piece 3D forged
- Material: Aluminium #6061-T6, black anodized
- Length: 150mm
- Weight: 134g

## SSP-02

- Suspension seat post
- Material: Aluminium #6061-T6, silver anodized
- Length 350mm, with ATB/micro adjust head
- Diameters 26.8mm and 27.2mm

## HS-10
- Headset threadless 1" for road bike
- SHIS code: EC30/25.4 | EC30/26

## HS-11
- Headset threadless 1 1/8" for MTB
- SHIS code: EC34/28.6 | EC34/30

## HS-30
- Headset 1 1/8" integrated dimension 41.8 / 30
- SHIS code: IS42/28.6 | IS42/30

## HS-35
- Headset 1 1/8" semi-integrated dimension 44 / 30
- SHIS code: ZS44/28.6| ZS44/30

## HS-40
- Headset 1 1/8" tapered integrated dimension 41.8/52.0-39.8
- SHIS code: IS42/28.6 | IS52/40

## HS-45
- Headset 1 1/8" tapered semi-integrated dimension 44.0/56.0-39.8
- SHIS code: ZS44/28.6 | ZS56/40

## HS-20
- Headset cap for 1" headsets
- Material: Aluminium #6061-T6, black anodized
- Size: 1" cap with 1" star nut
- Stainless steel screw

## HS-21
- Headset cap for 1 1/8" headsets
- Material: Aluminium #6061-T6, black anodized
- Size: 1 1/8" cap with 1 1/8" star nut
- Stainless steel screw

## BB BOTTOM BRACKET CARTRIDGE

- With high-end sealed cartridge bearings
- Steel cups and Boron-steel spindle
- Incl. 2 bolts (CrMo 12.9)
- Available in 14 lengths (from 103 up to 131.5mm)

## BB-E01/E02

- External BB set threaded, Shimano compatible
- 11.2mm (E01) for road bike and 10.2mm (E02) for MTB&city

## BB-E03

- External BB set threaded, SRAM compatible
- 12.5mm for road bike, MTB&city

## BB-PF01

- Press fit BB for 24mm spindle Shimano
- For bracket width 86.5 / 89 /92mm

## BB-PF02

- Press fit BB for 30mm spindle SRAM / FSA
- For bracket width 68 / 73 /86.5mm

## BB-RPF01

- Press fit reducer BB set
- Convert to Shimano crank (spindle 24mm)
- For frames with BB shell width 68mm

## BB-RPF02

- Press fit reducer BB set
- Convert to Shimano crank (spindle 24mm)
- For frames with BB shell width 86mm

## BB-6805

- Bearing set 6805
- 37 x 25 x 7mm (2 pieces)

## BB-RE01

- Press fit reducer sleeve
- Convert to BB set with external thread
- For frames with BB shell width 68mm to 73mm

UNION®

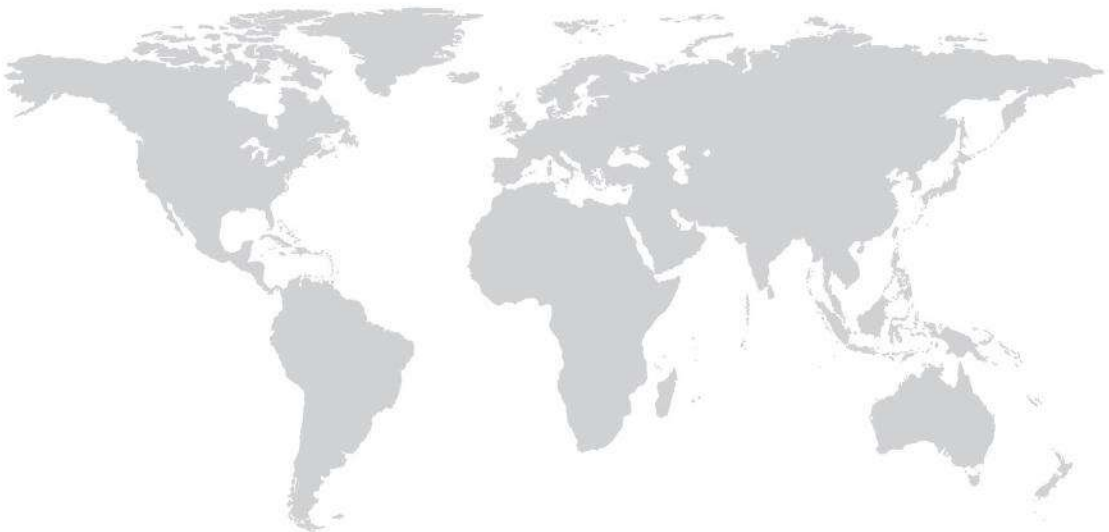
SSR Pro

Ti-Dye®

xerama

BIKETOOL

Selle San Remo



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