"VAR makes reliable and quality tools that have been ergonomically designed to provide a perfect grip. After assembling a few dozens of bikes during one season of World Cup, it’s always a pleasure to open the VAR tool case."

Eddy Le Clainche
Head Mechanic at Team KMC EKOI ORBEA
<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>CD - Frame</td>
</tr>
<tr>
<td>10</td>
<td>FH - Fork</td>
</tr>
<tr>
<td>12</td>
<td>DR - Headset</td>
</tr>
<tr>
<td>16</td>
<td>BP - Bottom bracket</td>
</tr>
<tr>
<td>22</td>
<td>PE - Crankset and pedals</td>
</tr>
<tr>
<td>31</td>
<td>RL - Freewheel and cassette</td>
</tr>
<tr>
<td>36</td>
<td>CH - Chain</td>
</tr>
<tr>
<td>38</td>
<td>FR - Cables and brakes</td>
</tr>
<tr>
<td>45</td>
<td>RP - Wheels and pumps</td>
</tr>
<tr>
<td>60</td>
<td>CR - Wheel truing stand</td>
</tr>
<tr>
<td>62</td>
<td>CL - Hex wrenches</td>
</tr>
<tr>
<td>64</td>
<td>MF - Multi-tools</td>
</tr>
<tr>
<td>65</td>
<td>DV - Miscellaneous</td>
</tr>
<tr>
<td>76</td>
<td>KO - Tool kits</td>
</tr>
<tr>
<td>82</td>
<td>PR - Repair stands</td>
</tr>
<tr>
<td>86</td>
<td>MO - Workshop equipment</td>
</tr>
<tr>
<td>101</td>
<td>AP - Workshop aprons</td>
</tr>
<tr>
<td>102</td>
<td>NL - Care products</td>
</tr>
<tr>
<td>108</td>
<td>CA - Bottle cages</td>
</tr>
<tr>
<td>110</td>
<td>PA - Disc brake pads</td>
</tr>
<tr>
<td>115</td>
<td>SC - Screws and bolts</td>
</tr>
<tr>
<td>116</td>
<td>DH - Gear hangers</td>
</tr>
</tbody>
</table>
2 Frame

Head tube/bottom bracket reaming and facing set
Features a quick release compression ring for fast fitting and removal of the tool and also for fine tuning of spring when used.

To be used with cutting oil CD-77000 (page 7)

- Set of 1 1/8" Cane-Creek semi-integrated headset
- Set of 1 1/8" Cane-Creek integrated headset
- Set of 1 1/8" Campagnolo integrated headsets

CD-03623-44
CD-03621-41.15
CD-03622-41.15
CD-03623-49.55
CD-03621-41.95
CD-03622-41.95
CD-03623-52.10
CD-03623-55.95

CD-03605
Conical pilot

49.55mm reaming & facing cutter for 1 1/2” standard headsets
52.10mm reaming & facing cutter for 1 1/2” integrated headsets
55.95mm reaming & facing cutter for 1 1/2” semi-integrated headsets

CD-77000 (page 7)
<table>
<thead>
<tr>
<th>Type</th>
<th>Standard</th>
<th>Ø</th>
<th>Item number</th>
<th>Tool specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB30</td>
<td>BB30</td>
<td>42mm</td>
<td>CD-03600-BB30</td>
<td>1 tool without cutter (CD-03600) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td>Press Fit</td>
<td>PF</td>
<td>41mm</td>
<td>CD-03600-PF</td>
<td>1 cutter in 41mm (CD-03623-PF) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td>Press Fit 30</td>
<td>PF30</td>
<td>46mm</td>
<td>CD-03600-PF30</td>
<td>1 cutter in 46mm (CD-03623-PF30) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td>Traditional</td>
<td>1 1/8&quot;</td>
<td>49,55mm</td>
<td>CD-03600-49.55</td>
<td>1 cutter in 49,55 x 26,5mm (CD-03623-49.55) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td>Integrated headsets</td>
<td>1 1/8&quot;</td>
<td>44mm</td>
<td>CD-03600-44</td>
<td>1 cutter in 44 x 8mm (CD-03623-44) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td></td>
<td>(28,6mm)</td>
<td></td>
<td></td>
<td>1 cutter in 44 x 8mm (CD-03623-44) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td></td>
<td>1 1/2&quot;</td>
<td>55,95mm</td>
<td>CD-03600-55.95</td>
<td>1 cutter in 55,95 (CD-03623-55.95) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td></td>
<td>(38,1mm)</td>
<td></td>
<td></td>
<td>1 cutter in 55,95 (CD-03623-55.95) with 1 conical pilot (CD-03605)</td>
</tr>
<tr>
<td></td>
<td>1 1/8&quot;</td>
<td>41,10mm</td>
<td>CD-03600-41</td>
<td>1 lower cutter 41,15x7,2mm (CD-03621-41.15) with 1 upper cutter 41,15x3,2mm (CD-03622-41.15)</td>
</tr>
<tr>
<td></td>
<td>(28,6mm)</td>
<td></td>
<td></td>
<td>1 lower cutter 41,15x7,2mm (CD-03621-41.15) with 1 upper cutter 41,15x3,2mm (CD-03622-41.15)</td>
</tr>
<tr>
<td></td>
<td>Cane Creek</td>
<td></td>
<td></td>
<td>1 lower cutter 41,15x7,2mm (CD-03621-41.15) with 1 upper cutter 41,15x3,2mm (CD-03622-41.15)</td>
</tr>
<tr>
<td></td>
<td>1 1/8&quot;</td>
<td>41,95mm</td>
<td>CD-03600-41.80</td>
<td>1 lower cutter 41,95x6,9mm (CD-03621-41.95) with 1 upper cutter 41,95x3,3mm (CD-03622-41.95)</td>
</tr>
<tr>
<td></td>
<td>(28,6mm)</td>
<td></td>
<td></td>
<td>1 lower cutter 41,95x6,9mm (CD-03621-41.95) with 1 upper cutter 41,95x3,3mm (CD-03622-41.95)</td>
</tr>
<tr>
<td></td>
<td>Campagnolo</td>
<td></td>
<td></td>
<td>1 lower cutter 41,95x6,9mm (CD-03621-41.95) with 1 upper cutter 41,95x3,3mm (CD-03622-41.95)</td>
</tr>
<tr>
<td></td>
<td>1 1/2&quot;</td>
<td>52,10mm</td>
<td>CD-03600-52.10</td>
<td>1 lower cutter 41,95x6,9mm (CD-03621-41.95) with 1 upper cutter 41,95x3,3mm (CD-03622-41.95)</td>
</tr>
<tr>
<td></td>
<td>(38,1mm)</td>
<td></td>
<td></td>
<td>1 lower cutter 41,95x6,9mm (CD-03621-41.95) with 1 upper cutter 41,95x3,3mm (CD-03622-41.95)</td>
</tr>
</tbody>
</table>
4 Frame

Head tube reaming and facing set for standard headset
- reams inner diameter of head tube and faces both ends of head tube
- quick release compression ring for fast fitting and removal of the tool and also for fine tuning of tension spring when used

It features:
- 1 body and handle assembly CD-03200
- 1 head tube reaming cutter
- 1 head tube facing cutter
- 1 reversible pilot for 1” and 1 1/8” head tubes
- 1 quick-release compression ring
- 1 compression spring

To be used with cutting oil CD-77000 (page 7)

CD-03200 – Tool without cutters

CD-03200-30/45 – complete tool set with 30mm (1") reaming cutter and 45mm facing cutter

CD-03200-33.8/45 – complete tool set with 33.8mm (1 1/8") reaming cutter and 45mm facing cutter

Head tube reaming cutter
- fits tool set CD-03200
- top quality high speed steel, high precision machining and heat-treatment

CD-03210-30 – 30mm cutter for Ø 30.2mm (1") cup

CD-03210-33.8 – 33.8mm cutter for Ø 34mm (1 1/8") cup

CD-03220-45 Head tube facing cutter
- outer diameter : 45mm
- fits tool set CD-03200
- top quality high speed steel, high precision machining and heat-treatment
Frame taps
- to cut small threads in the frame
- precision ground and hardened high speed steel
- fit tap handle DV-04320 and DV-04340 (page 65)

To be used with cutting oil CD-77000 (page 7)

<table>
<thead>
<tr>
<th>Item number</th>
<th>Tool description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD-04100-03</td>
<td>3mm x 0,5 for rear wheel drop-out alignment screws</td>
</tr>
<tr>
<td>CD-04100-05</td>
<td>5mm x 0,8 for water bottle, toe clip, fender and rack bosses</td>
</tr>
<tr>
<td>CD-04100-06</td>
<td>6mm x 1 for cantilever brakes and large fender bosses</td>
</tr>
<tr>
<td>CD-04100-10</td>
<td>10mm x 1 for derailleur hangeur</td>
</tr>
<tr>
<td>CD-04112-1</td>
<td>Thru-axle taps 12 mm x 100</td>
</tr>
<tr>
<td>CD-04112-1.5</td>
<td>Thru-axle taps 12 mm x 150</td>
</tr>
<tr>
<td>CD-04112-1.75</td>
<td>Thru-axle taps 12 mm x 175</td>
</tr>
<tr>
<td>CD-04115-1</td>
<td>Thru-axle taps 15 mm x 100</td>
</tr>
<tr>
<td>CD-04115-1.5</td>
<td>Thru-axle taps 15 mm x 150</td>
</tr>
<tr>
<td>CD-04120-1</td>
<td>Thru-axle taps 20 mm x 100</td>
</tr>
<tr>
<td>CD-04120-1.5</td>
<td>Thru-axle taps 20 mm x 150</td>
</tr>
<tr>
<td>CD-04120-2</td>
<td>Thru-axle taps 20 mm x 200</td>
</tr>
</tbody>
</table>

Expanding seat tube reamer
- 6 hardened high speed steel blades
- fit tap handle DV-04340 (page 65)

To be used with cutting oil CD-77000 (page 7)

<table>
<thead>
<tr>
<th>Item number</th>
<th>Tool description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD-04510-26/29.5</td>
<td>for tube of inner Ø 26-29,5mm</td>
</tr>
<tr>
<td>CD-04520-26/29.5</td>
<td>for tube of inner Ø 26-29,5mm equipped with an extension</td>
</tr>
<tr>
<td>CD-04520-29.5/33.5</td>
<td>for tube of inner Ø 29,5-33,5mm equipped with an extension</td>
</tr>
</tbody>
</table>
6 Frame

Bottom bracket tapping set
- to tap in line both sides of the bottom bracket shell
- CNC machined handles
- equipped with 2 taps either in English thread (1.370"x24 TPI - left and right hands) or Italian thread (36mm x24 TPI - right hand)
- chrome plated steel
- to be used with kit CD-38340 to clean up the face of the bottom bracket shell or to convert a BB shell from 70 to 68mm
To be used with cutting oil CD-77000 (page 7)

CD-38200 – bottom bracket tapping tool without taps
CD-38200-1.370 – complete bottom bracket tapping set - English thread 1.370"x24 TPI (left and right hands)
CD-38200-36 – complete bottom bracket tapping set - Italian thread 36mm x24 TPI (right hand)

Bottom bracket hand tap
- fits bottom bracket tapping set CD-38200 for hand application
- for cutting threads in steel and aluminum bottom bracket shell
- not suitable for intensive use in titanium bottom bracket shell
- skip thread
- top quality high speed steel, high precision machining and heat-treatment

CD-38210-1.370 – 1.370"x24 TPI right hand thread English tap
CD-38211-1.370 – 1.370"x24 TPI left hand thread English tap
CD-38210-36 – 36mm x24 TPI right hand Italian tap

Bottom bracket machine tap
- to fully tap the bottom bracket shell with a machine-tool
- helicoidal cut with skip thread
- available in English thread only (left and right hands)
- top quality high speed steel, high precision machining and heat-treatment

CD-38410-1.370 – 1.370"x24 TPI right hand thread English tap
CD-38411-1.370 – 1.370"x24 TPI left hand thread English tap
**CD-38340** Bottom bracket facing kit
- to clean up the faces of the bottom bracket shell of a threaded frame
- to remove excess paint from the BB shell to perfectly fit external bottom bracket cups
- to also convert a 70mm bottom bracket to a 68mm bottom bracket
- tension spring and tension nuts apply a gentle pressure not to get a chattering appearance
- comes with cutter CD-38310-45, 2 BSC guides CD-38320-1.370 and assembly key CD-38330
- to be used with bottom bracket tapping set CD-38200 from serial code L2

To be used with cutting oil CD-77000 (page 7)

**CD-38310-45** Bottom bracket facing cutter
- fits bottom bracket facing set
- 45mm outer diameter
- CNC machined and hardened high speed steel

To be used with cutting oil CD-77000 (page 7)

**CD-38320-1.370** - set of 2 English guides 1.370" x 24 TPI (L&R)
**CD-38320-36** - set of 2 Italian guides 36 x 24 (R&R)
**CD-38330** - assembly tool for guides

**CD-77000** High-quality cutting oil
- strongly recommended for any cutting, tapping, facing and reaming operations on frame and fork
- extends tool life and makes frame prep operations better
- not dangerous for skin
- comply with European regulation
- 400ml aerosol
8 Frame

**CD-13000 Derailleur hanger repair kit**

Drill into the old threading in gear hanger using 12mm drill, then fit the nut into the gear hanger from the inside of the frame. The nut to be installed must be of the same thickness as the gear hanger. Threads the derailleur axle into the hex nut and your gear hanger is saved.

The kit features:
- 1 HSS steel ground flute twist drill of 12mm with shank 6x22mm
- 3 hex nuts of 4.95mm
- 3 hex nuts of 5.85mm
- delivered in a compartmented plastic box

**CD-13002-4.95** – bag of 5 hex nuts of 4.95mm

**CD-13002-5.85** – bag of 5 hex nuts of 5.85mm

**CD-13900 Derailleur hanger alignment gauge**

Designed to control the alignment of rear derailleur hanger and solve most derailleur shifting problems, specially those with index shifting systems.

Threads the tool into the derailleur hanger.
The tool arm holds a gauge which marks the distance to the rim.
Rotates the gauge with the wheel from 90° to 90° to check potential differences in measurements. If any, apply pressure to the tool arm to realign the derailleur hanger.

- head and body of the tool are CNC machined
- threaded spindle in hardened alloy tool steel
- chrome plated steel

**CD-47500 Frame and fork end alignment gauge set**

- checks whether frame and fork drop-outs are parallel to avoid bent axles or skewers, tracking and index shifting problems
- can also be used to straighten frame and fork drop-outs with tool arm
- CNC machined alloy tool steel
- chrome plated steel
CD-14500 Disc brake mount facing tool

Our new generation of disc brake mount facing tool is designed and manufactured to accurately face frame and fork disc brake mounts to ensure a precise alignment to the rotor.

- faces any IS Mount, Post Mount and new Shimano® Flat Mount (Front Mount and Rear Mount) including low clearance chainstay mounts
- suitable for both quick release dropouts (front: 9x100 and rear: 10x135) and thru axle dropouts (front: 15x100, Boost 110, 20x110 and rear: 142x12, Boost 148)
- includes four facing cutters:
  - 2 for IS Mounts
  - 2 for Post Mount and Flat Mount
- both cutters rotate simultaneously for quick and accurate facing operations
- both mounts are faced at the same time, ensuring both will be parallel and in the same plane with just one cut
- CNC precision machining and laser cut parts
- includes storage case
Fork

**FH-92700 Universal swivel fork clamp**
- holds tight the fork to cut threads, mill and face the fork’s crown race seat, make many maintenances on suspension forks...
- new swivel design to drain the fork oil out without removing the fork from the clamp
- fits any types of forks (MTB, downhill, road forks)
- quick-release system for easy fitting and removal of fork
- vinyl coating gives a perfect protection of painting
- with QR9 (quick-release), 15x100 and 20x110 adaptors

**FH-92750 Update kit for old fork clamps**
- compatible with swivel or standard fork clamps FH-92700
- to fit any types of fork axles except Lefty forks
- T-shaped sliding fork holding part
- with QR9 (quick-release), 15x100 and 20x110 adaptors

**FH-80800 Shock pump**
- ideal option for use with suspension forks and rear shocks
- maximum inflation pressure 300 PSI / 21 bar
- air bleed button for fine tuning of pressure
- reliability: made of steel (body) and aluminum (handle)
- long swiveling hose with Schrader valve adapter
- long connector compatible with any brand including RockShox
Caution: this pump is not suitable for tire inflation.

**RP-42400 Valve core extractor for Schrader valves**
- for removal and replacement of valve cores on pneumatic suspension systems as well as inner tubes with Schrader valves
- 40mm long shaft and 4.45mm diameter
- heavy-duty steel, exceptional durability
- comfortable and ergonomic dual density handle provides excellent grip
- doesn’t fit Presta valves
**FH-04200** Crown race cutting tool and fork threading set
- unique dual function design for both machining fork crown race seats and for cutting new threads or chasing existing threads on fork columns
- delivered with 2 guides (1” and 1.1/8”) for both threading and cutting
- compatible with 1.1/2” tapered column forks
- delivered without any cutter or die

**Crown race cutters**
- to face the fork’s lower seat to ensure proper crown race fit
- to be used with tool holder FH-04200
- high precision CNC machining
- to be used with VAR cutting oil CD-77000 (page 7)

FH-04210-26.5 - for 1” columns
FH-04210-30.1 - for 1.1/8” columns
FH-04210-39.9 - for 1.1/2” columns

**Headset die**
- hardened high speed steel die
- CNC machined
- Our handle assemblies FH-04000 and FH-04200 fits any VAR headset dies

FH-04020-1 - 1”x24 TPI die (25.4mm)
FH-04020-1.1/8 - 1.1/8”x26 TPI die (28.6mm)

**FH-93200** Tube deburrer
- reams the inside and outside edges of tubing
- deburrs with clockwise and counter-clockwise rotations
- suitable for aluminum and steel tubing
- capacity : 4-40mm (5/32” to 1.5”)
- equipped with 3 hardened HSS cutting blades
- fluted body is shaped to fit comfortably in palm of hand

**FH-93100** Adjustable fork column cutting guide
- precisely guides a hacksaw to cut handlebars, fork columns from 1” to 1.5”, integrated seat posts from 22mm to 39mm in diameter and even airfoil shaped seat posts up to 70mm
- holds tube tight to get a clean and square cut
- hardened steel body and plastic pads at contact points to protect tube surfaces
12 Headset

**DR-03500 Headset and bearing cup press**
- accurately presses 1", 1 1/8", 1 1/4", and 1.5" headset cups into head tube
- also presses BB30 cartridge bearings and Press Fit and Press Fit 30 cups into one piece bottom bracket shells
- features a quick-release press ring for fast operation
- long (30cm) handles for superior leverage
- CNC machined stepped bushings for a precise fit

**DR-03520 Set of 2 bushings for headset and bearing cup press**
- compatible with 1", 1 1/8", 1 1/4" and 1.5" headsets
- fits headset cup press tools DR-03400 and DR-03500

**DR-37300 Headset Cup Remover 1", 1 1/8", 1 1/4"**
- makes headset cup removal easy
- fits 1", 1 1/8", 1 1/4" headset cups
- hardened tool quality steel
- tool head is made of hardened alloy steel for extended durability
**PE-13800-PF** Set of 2 rings for BB30 bearing assembly
- to be used with headset cup press DR-03500

**PE-13800-BB30** Set of 2 rings for Shimano Press Fit bearing assembly
- to be used with headset cup press DR-03500

**PE-13800-PF30** Set of 2 rings for Press Fit 30 cups
- to be used with headset cup press DR-03500

**DR-37400** Headset Cup Remover 1 1/4” and 1.5”
- makes headset cup removal easy
- fits 1 1/4” and 1.5” headset cups
- hardened tool quality steel
- tool head is made of hardened alloy steel for extended durability
- also remove the PressFit 30 (PF30) bottom bracket cups. The PressFit 30 inside diameter is the same as headset cups and are pressed in the same way
14 Headset

**DR-10100 Fork crown race extractor**
- to quickly and cleanly remove the headset crown race from any steel, aluminum and carbon fork columns
- works great with 1” and 1 1/8” and now 1 1/4” and 1 1/2” tapered steerer forks
- delivered with an extension tube to work on longer steering columns
- CNC machining
- hardened alloy tool steel collet and thrust bearing
- also suitable for removing Campagnolo and Fulcrum Ultra Torque and Power Torque crankset cartridge bearings

**DR-14700 Crown race setting tool set**
- to ensure fast, safe and accurate fit of the crown race onto the fork crown race seat
- also fits tapered steerer tube forks
- hardened tube end cap
- includes one universal setting tube and one setting ring of each size (1”, 1 1/8”, 1 1/4” and 1.5”)
- rings made from Nylon to prevent any damage to the crown races
- chrome plated steel tube
DR-95400  Star fangled nut setting tool
- perfectly aligns stars nut into 1" and 1 1/8" threadless fork columns and sets them about 15mm (9/16") below the top of the steering column
- delivered with 1 1/8" guide for a perfect driving of the nut
- large diameter rubber grip provides great comfort and prevents pinched fingers
- removable hardened bolt DR-95602

DR-95600  Star fangled nut setting tool
- to adjust, fit and remove headsets
- jaws are precision cut for proper fitting
- hardened alloy tool steel
- chrome plated steel

DR-98200  30x32x36x40mm headset wrench
- to adjust, fit and remove headsets
- hardened alloy tool steel
- chrome plated steel

**Professional headset wrenches**
- to hold the upper headset cup
- high-precision laser cut
- 4mm thickness
- hardened alloy tool steel
- chrome plated steel

- DR-16200-30 – 30mm opening
- DR-16200-32 – 32mm opening
- DR-16200-36 – 36mm opening
**Bottom bracket**

**NEW**

**BP-03700** Bottom bracket tool kit
- quickly and accurately installs and removes various types of external bearing bottom brackets
- all sockets feature 1/2” square drive compatible with torque wrenches **DV-12200** (page 66) or **DV-10500** and adaptor **DV-10800** (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

**Socket item code** | Ø OD cup | Teeth | compatible with
--- | --- | --- | ---
BP-98500 | 39mm | 16 | Shimano XTR BB93, Dura Ace BB9000, STePS
BP-98600 | 41mm | 16 | Shimano Ultegra BBR60
BP-98700 | 46mm | 12 | Sram DUB, Race Face, Rotor BSA30, Zipp Vuma
BP-98800 | 48,5mm | 16 | FSA Mega Evo, Wheels Manufacturing
BP-98900 | 44mm | 16 | Shimano Hollowtech II, Sram GXP, FSA Mega Exo, Chris King, Hope, Race Face X Type, Campagnolo, Enduro…

**Guides Ø** | compatible with
--- | ---
22 / 24mm | Sram GXP
24mm | Shimano Hollowtech II, FSA Mega Exo, Chris King, Hope, Face Face X Type…
29mm | Sram DUB
30mm | FSA Mega Evo

Available in October
BP-98500  Bottom bracket tool 39mm / 16Teeth
- to fit and remove Shimano XTR BB93, Dura Ace BB9000, STEPS
- 1/2” square drive to be used with torque wrench DV-12200, DV-10500 and adaptor DV-10800 (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

BP-98600  Bottom bracket tool 41mm / 16Teeth
- to fit and remove Shimano Ultegra BBR60
- 1/2” square drive to be used with torque wrench DV-12200, DV-10500 and adaptor DV-10800 (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

BP-98700  Bottom bracket tool 46mm / 12Teeth
- to fit and remove Sram DUB, Race Face, Rotor BSA30, Zipp Vuma
- 1/2” square drive to be used with torque wrench DV-12200, DV-10500 and adaptor DV-10800 (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

BP-98800  Bottom bracket tool 48.5mm / 16Teeth
- to fit and remove FSA Mega Evo, Wheels Manufacturing
- 1/2” square drive to be used with torque wrench DV-12200, DV-10500 and adaptor DV-10800 (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

BP-98900  Bottom bracket tool 44mm / 16Teeth
- to fit and remove Shimano Hollowtech II, Sram GXP, FSA Mega Exo, Chris King, Hope, Race Face X Type, Camagno, Enduro...
- 1/2” square drive to be used with torque wrench DV-12200, DV-10500 and adaptor DV-10800 (page 67)
- precision CNC machined aluminum tools
- anodized and laser engraved

Available in October
18 Bottom bracket

**BP-03000-35.1/36.1** Bottom bracket fixed cup tool
- to tighten and loosen the fixed cup on old type bottom brackets without slipping out
- equipped with jaw **BP-03005-35.1/36.1**
- hardened alloy tool steel

**BP-03005-35.1/36.1** - 35,1x36,1mm jaw for Campagnolo, T.A., Shimano

**BP-03005-35.5/36.8** - 35,5x36,8mm jaw for Maillard

**BP-03005-37.8/38.1** - 37,8x38,1mm jaw for Stronglight

**BP-03100** Set of bottom bracket tools
- to fit and remove most bottom brackets
- delivered with bb tools **BP-99300, BP-99500, BP-99600** and **BP-99900**
- long handles for hard-to-remove cups
- equipped with pilots to avoid slippage
- torque wrench **DV-10500** (page 67) can be fitted using a 24mm socket (not delivered)

**BP-03160** - bottom bracket tool with **BP-99600**
**BP-03190** - bottom bracket tool with **BP-99900**
BP-41400 Bottom bracket tool for Campagnolo
- to fit and remove Campagnolo Record, Chorus, Athena, Miche and Stronglight JP SBB sealed cartridge bottom brackets
- precisely CNC machined
- hardened alloy tool steel
- industrial phosphate finish

BP-99500 Bottom bracket tool for Shimano XTR
- to fit and remove the cups on Shimano XTR, Ultegra (from 1998 to 2003) and Truvativ ISIS Drive sealed cartridge bottom brackets
- also to fit and remove the chainring lockring on Shimano XTR, XT, LX, and STX-RC with guide PE-99501
- hardened industrial quality chrome vanadium steel
- industrial phosphate finish

Bottom bracket tool for Shimano and ISIS Drive
- to fit and remove all models of Shimano’s sealed cartridge bottom brackets including those with Octalink pipe billet spindles
- compatible with ISIS Drive for example FSA, Race Face, Stronglight (JP MX, JP 400, Twister and JP MX dh) bottom brackets
- drop-forged and hardened industrial quality chrome vanadium steel

BP-99600 - bottom bracket tool only
To be used with torque wrench DV-10500 and adaptor DV-10800 (page 67)
BP-99620 - bottom bracket tool with a spring loaded threaded axle to hold the tool against the cup

BP-99700 Crank lock ring tool for Shimano STePS
- to install and remove Shimano SM-CRE60 chainring on e-bikes equipped with Shimano STePS E6000 series (DU-E6000, DU-E6001 and DU-E6010) drive units
- hardened tool quality steel

BP-99900 Bottom bracket tool for Hollowtech II and Ultra Torque
- for fitting and removal of Shimano XTR, Saint, Deore XT, Hone, Deore LX, Dura Ace 10 speed, Ultegra and 105 (2006 serie) bottom bracket cups
- compatible with Campagnolo Ultra Torque, Truvativ GXP, Race Face X-type, FSA Megaexo and Stronglight Pulsion Activ Link bottom brackets
- to be used with torque wrench DV-10500 and adaptor DV-10800 (page 67)
- cold forged and hardened cromoly steel
- use tool PE-60220 or PE-60600 to remove crank arm adjustment cap (page 22)
Bottom Bracket

20

BP-96100  Professional wrench for Shimano Hollowtech II bottom brackets
- for fitting and removal of Shimano (XTR, Saint, Deore XT, Hone, LX, Dura Ace 10 speed, Ultegra), Campagnolo Ultra Torque, Truvativ, Giga X-Pipe, Race Face X-type, FSA Megaexo cartridge bearing bottom brackets
- laser cut and hardened CR-VA steel

BP-62100-C  Premium bottom bracket wrench for Hollowtech II
- to fit and remove Shimano Hollowtech II, Race Face X-type, FSA Mega-Exo, Truvativ GXP, Sram GXP, Campagnolo and similar bottom bracket cups with 16 external notches
- 30cm long tool provides tremendous leverage
- hardened high quality carbon steel
- equipped with tool PE-60220 to fit and remove crank arm adjusting caps
- thick handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- unmatched quality and comfort for a consumer tool
- packaged carded

BP-60000-C  15x17mm pedal and bottom bracket wrench
- to fit and remove the "star shaped" cartridge cups on Shimano BBUN 10, Sachs, Campagnolo Veloce, Mirage, Xenon, Centaur, Daytona, Avanti, Otmega, Thun SKF and FAG sealed cartridge bottom brackets
- hardened alloy tool steel
- packaged carded

BP-60300  15x17mm pedal and bottom bracket wrench
- for fitting and removal of Shimano XTR and Dura Ace bottom brackets (1996–2002)
- 15x17mm pedal wrench
- high-precision laser cut
- hardened tool quality steel
BP-60500-C  Wrench for Shimano Hollowtech II and SM BB9900 bottom brackets
- the small size is compatible with Shimano Dura Ace BB9000 series and XTR BB93 series threaded bottom brackets
- the Dura-Ace threaded bearing adaptors have an outside diameter of 39mm
- the large size is compatible with Shimano Hollowtech II, Campagnolo, Truvativ GXP, Sram GXP, RaceFace X-type, FSA MegaExo threaded bottom brackets
- these threaded bearing adaptors have an outside diameter of 44mm

BP-01300  Adjustable peg spanner
- to adjust the bottom bracket adjusting cup and some old type freewheels featuring 2 holes
- high-precision laser cut
- pins are made of hardened Nickel Chrome steel

BP-01600  Bottom bracket lock ring pliers
- to adjust the locknut on old type bottom brackets
- 2 setting positions
- pins are made of hardened alloy tool steel

BP-30200  Bottom bracket lock ring spanner
- to adjust the locknut on bottom bracket
- fully vinyl coated for an excellent protection of painting on bottom bracket shell and for comfort
- hardened alloy tool steel
Crankset and pedals

PE-60220-C Roller for Shimano Hollowtech II crank arm adjustment cap
- engages the 8 internal splines of the Shimano Hollowtech II crank arm adjustment cap
- nylon reinforced with fiberglass

PE-60600 Adjusting cap screwdriver
- to remove and fit the adjusting caps on Shimano Hollowtech II cranks
- ergonomic and anti-slip dual density handle for great comfort
- steel investment cast socket for long life

PE-12900 Press Fit bottom bracket bearing remover
- compatible with BB86, BB90, BB92 Shimano Press Fit, Sram Press Fit GXP, RaceFace Press Fit and other Press Fit bottom bracket systems with 23 or 24mm spindles
- compatible with Press Fit bottom brackets with or without an inner cover
- easily slides through the BB shell and expands behind the bearing
- to be used with double face hammer DV-56800 to drive the cup out
- to press the cups into the BB shell, use our headset and bearing cup press DR-03500 (page 12) with bushings PE-13800-PF

PE-13800-PF Set of 2 rings for Shimano Press Fit bearing assembly
- to be used with headset cup press DR-03500 (page 12)
- for pressing Shimano Press Fit cups into the BB shell
- rings are made from Delrin that won’t damage any cups or bearings
- pressing areas on the cups or bearings comply with manufacturers’ requirements
- precise CNC machining to ensure a quality assembly
**Standard**

- Press / BB86, BB92
- Designed by Shimano
  - fits ø 41mm cups into a threadless frame shell

**BB 30**

- Press Fit 30
- Designed by Cannondale
  - ø 42mm bearings directly pressed into the frame shell

**Press Fit 30**

- Designed to fit ø 46mm cups into a threadless frame shell
- Designed by Campagnolo to fit an Ultra Torque crankset into a Press Fit frame shell

**OS Fit 86.5x41 / Press Fit**

- Designed by Campagnolo to fit an Ultra Torque crankset into a BB30 frame shell

---

**PE-13500**  Bearing press and extractor for BB30 cranksets
- for smooth and quick fitting and removal of BB30 cartridge bearings
- won’t damage the cartridge bearing seat into the BB shell
- pressing ring with bearing seat is made from Delrin and protects frame painting
- CNC machined and chrome plated
- hardened ball thrust bearing

**PE-13800-PF30**  Set of 2 rings for Press Fit 30 cups
- to be used with press tool DR-03500 (page 12)
- for pressing Press Fit 30 cups into the BB shell to fit BB30 cranksets
- rings are made from PVC that won’t damage any cups
- rings press on cups but not on bearings
- precision CNC machining for a perfect fit

**PE-13800-BB30**  Set of 2 rings for BB30 bearing assembly
- to be used with headset cup press DR-03500 (page 12)
- for pressing BB30 bearings into the BB shell
- rings are made from Delrin that won’t damage any bearings
- pressing areas on the bearings comply with manufacturers’ requirements
- precise CNC machining to ensure a quality assembly

---

<table>
<thead>
<tr>
<th>Standard</th>
<th>Press Fit / BB86, BB92</th>
<th>BB 30</th>
<th>Press Fit 30</th>
<th>OS Fit 86.5x41 / Press Fit</th>
<th>OS Fit 68x42 / BB30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Designed by Shimano fits ø 41mm cups into a threadless frame shell</td>
<td>Designed by Cannondale ø 42mm bearings directly pressed into the frame shell</td>
<td>Designed to fit ø 46mm cups into a threadless frame shell</td>
<td>Designed by Campagnolo to fit an Ultra Torque crankset into a Press Fit frame shell</td>
<td>Designed by Campagnolo to fit an Ultra Torque crankset into a BB30 frame shell</td>
</tr>
<tr>
<td><strong>Fitting</strong></td>
<td>PE-12500 or PE-13800-PF and DR-03500</td>
<td>PE-12500 or PE-13500 or PE-13800-BB30 and DR-03500</td>
<td>PE-12500 or PE-13800-PF30 and DR-03500</td>
<td>PE-12500 or PE-13800-PF30 and DR-03500</td>
<td>PE-12500 or PE-13800-PF30 and DR-03500</td>
</tr>
<tr>
<td><strong>Removal</strong></td>
<td>PE-12900</td>
<td>PE-13500</td>
<td>DR-37400</td>
<td>PE-12900</td>
<td>PE-12900</td>
</tr>
</tbody>
</table>
24 Crankset and pedals

PE-09600-14 14mm L-type hex wrench
- to remove the compression screw on Campagnolo Power Torque cranks
- hardened tool steel
- chamfered tip for perfect fit
- ergonomic and anti-slip dual density handle for great comfort

PE-10800-14 14mm hex bit socket for Campagnolo Power Torque cranksets
- super heavy-duty steel designed for high torque applications
- 3/8" square drive socket
- to be used with torque wrench DV-10500 (page 67)

PE-12600 Power Torque carbon and alloy crank extractor
- to remove Campagnolo Power Torque cranks pressed onto the spindle
- compatible with alloy and carbon cranks
- specially designed contact surfaces to prevent any damage to the crank
- hardened tool steel parts

PE-13100 Crank bearing installation set for Campagnolo and Fulcrum Ultra Torque and Power Torque
- to press cartridge bearings on Campagnolo and Fulcrum Ultra Torque and Power Torque cranksets
- precise fit to the inner bearing race which will not damage bearing surfaces during operation
- head of the tool is hardened for long tool life
- delivered with a Delrin base to be clamped in a bench vise to hold the crank and make bearing fitting easy
**PE-10800-10** 10mm hex bit socket for Campagnolo Ultra Torque cranksets
- the 62mm length makes removal of Campagnolo Ultra Torque semi-axle easier
- super heavy-duty steel designed for high torque applications
- 3/8” square drive socket
- to be used with torque wrench DV-10500 (Page 67)

**DR-10100** Crank bearing extractor
- to remove pressed cartridge bearings from Campagnolo and Fulcrum Ultra Torque and Power Torque crank arms after internal snap-ring removal
- for a quick and smooth removal without damaging any part
- CNC machining
- hardened alloy tool steel collet and thrust bearing
- also suitable for removing 1” and 1 1/8” crown races and now 1 1/4” and 1 1/2” crown races from fork column

---

<table>
<thead>
<tr>
<th>Campagnolo Ultra Torque</th>
<th>Campagnolo Power Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crank arms</strong></td>
<td><strong>Bearings</strong></td>
</tr>
<tr>
<td>PE-10800-10 or DV-12200</td>
<td>PE-13100 or DV-12200</td>
</tr>
<tr>
<td><strong>Removal</strong></td>
<td><strong>PE-10800-10 and DV-11900</strong></td>
</tr>
</tbody>
</table>
Crankset and pedals

**Set of 2 crank taps**
- to clean out or restore damaged threads in crank arms
- fits tap handle DV-04320 (page 65)
- precision ground
- hardened alloy tool steel

**PE-12500** Bottom bracket bearing press
- quickly and accurately fits bottom bracket bearings into press fit-type bottom bracket shells
- fast installation and removal of tool thanks to its quick-release design
- 9 precision-machined bushings in 5 sizes to fit all the major bottom bracket standards: Campagnolo OS Fit 68x42 (BB30) and OS Fit 86.5x41 (Press Fit), Shimano Press Fit, PF41, BB121, BB86, BB92, Press Fit 24, Press Fit GXP (Sram) BB30, BBright, Direct Fit, Press Fit 30, BBright Press Fit, 386EVO
- works on bottom bracket shell widths from 68mm to 121mm

**PE-04100-9/16** - set of 2 taps 9/16”x20 TPI (L&R)

**PE-04100-1/2** - set of 2 taps 1/2”x20 TPI (L&R)
To be used with cutting oil CD-77000 (page 7)
**PE-04700 Crank repair kit**

Ideal for repairing damaged threads in cranks and saving high-end cranks.

First, you have to cut new 5/8”x24 TPI oversized threads in crank arms. Apply some thread lock NL-77400 (page 104) to the outside of the threaded insert and then thread it into the new threading in the crank. Finally, fit pedal spindle into the insert.

Both taps fit conventional tap handle DV-04330 (page 65)

To be used with cutting oil CD-77000 (page 7)

The kit includes:
- 1 set of 2 reaming taps in 5/8”x24 tpi (L&R)
- 5 threaded bushings for right crank arms
- 5 threaded bushings for left crank arms
- delivered in a compartmented plastic box

**PE-04703-5** – bag of 5 bushings 9/16”x20 TPI Right thread

**PE-04704-5** – bag of 5 bushings 9/16”x20 TPI Left thread

---

**PE-11000 Crank arm repair kit**

Designed to repair and remove a crank arm whose pulling threads are damaged.

Thread a pilot into the bottom bracket spindle, slide onto it the small tap and cut new 24mm x 150 threads. Then thread special 24mm x 150 extractor to remove the crank arm. Finally, fit one of those special 24mm dust caps into new threads.

The kit includes:
- 3 tapping pilots (bolt, nut and splined “Pipe Billet” types)
- 1 tap in 24mm x 150 made from hardened high speed steel
- 1 special crank extractor in 24mm x 150
- 4 aluminum dust caps
- 4 hex fixing bolts of 8mm
- 1 M8/M15 crank extractor adaptor for pipe billet spindles PE-39500

**PE-11108** - bag of 4 dust caps and 4 hex bolts of 8mm

To be used with cutting oil CD-77000 (page 7)
28 Crankset and pedals

**PE-09600-08 8mm wrench for Shimano and standard cranksets**
- to fit and remove cranks equipped with hex screws
- ergonomic handle for excellent comfort
- hardened chrome vanadium steel
- chrome plated steel

**PE-65000 15mm professional pedal wrench**
- precision cut
- long handle for an excellent leverage
- hardened chrome vanadium steel
- chrome plated

**PE-65100 15mm pedal wrench adaptor for torque wrench**
- to ensure pedals are installed according to the manufacturers’ torque recommendations
- fits any 3/8” drive torque wrench such as DV-12200 (digital type) and DV-10500 (click type)
- laser cut, hardened and chrome-plated for long life
- 4mm thickness

**PE-62000-C Premium pedal wrench**
- two 15mm wrench openings oriented at two angles for an easy fit regardless of the pedal position
- thick handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- 30cm long tool provides tremendous leverage
- high quality hardened alloy steel
- unmatched quality and comfort for a consumer tool
- packaged carded
Crankset and pedals

**PE-01000** Crank extractor with M8/M14/M15 rotating tip
- to remove 22mm splined Shimano Octalink and ISIS Drive crank arms as well as square-holed crank arms
- 8mm hex wrench to remove crank bolts
- CNC machined
- hardened tool quality steel

**PE-39300** 22 and 23mm crank extractor
- to remove any 22mm crank arm (Shimano, Campagnolo, Sram, TA,...) and 23mm (old type TA)
- CNC machined
- rotating tip is made from hardened alloy tool steel

**PE-39500** M8/M15 crank extractor adaptor for billet spindles for Shimano
- to fit Shimano Octalink and ISIS Drive splined, oversized "Pipe Billet" bottom bracket spindles for crank arm removal
- hardened alloy tool steel
- to be used with crank extractor PE-39300

**PE-95000** Professional ratcheting crank bolt wrench
- reversible ratcheting wrench for fast and easy use
- 14 and 15mm sockets
- drop-forged and hardened tool quality steel

**PE-99500** Chainring tool for Shimano
- to fit and remove Shimano XTR, XT, LX, and STX RC chainrings with guide PE-99501 (included)
- also designed to fit and remove Shimano XTR M950 and Ultegra (from 1998 to 2003) and Truvativ ISIS Drive sealed cartridge bottom brackets
- hardened industrial quality chrome vanadium steel
- industrial phosphate finish
30 Crankset and pedals

PE-35300 Chainring bolt wrench
- double-ended to fit both standard (Shimano, Campagnolo, Truvativ, FSA, TA, Stronglight) and Campagnolo Ultra Torque bolts
- hardened tool quality steel

PE-35400 Tool for chainring bolts
- comfortable and ergonomic dual density handle provides excellent grip
- hardened tool quality steel

PE-35500 Combined tool for chainring bolts
- to securely hold the slotted nut to prevent spinning while tightening or loosening the bolt at the same time
- unique design with a 5mm hex & T30 reversible bit
- ergonomic handle for an efficient tightening

PE-35202 – replacement blade

PE-35600 Bosch ® engines compatible lockring tool
- specially designed for fitting and removing and lockring sprocket from Bosch Active and Performance engines (2014/2015+ model years)
- 32mm hex socket featuring a 1/2” square drive
- to be used with torque wrench DV-10500 and adaptor DV-10800 or digital torque wrench DV-12200
RL-00900-C  Consumer sprocket remover
- to remove and fit threaded cogs on freewheels and to hold a cassette for lockring removal on a freehub
- removing some old type freewheels may require two sprocket removers
- packaged carded

Hex wrench for freehub bolt
- to remove most freewheels and cassette bodies including Shimano RL-09600-10
- for Sram, Mavic, Sun Race, Sovos, please use either RL-09600-11 or RL-09600-12
- ergonomic handle for an excellent comfort
- hardened industrial quality chrome vanadium steel
- chrome plated steel

RL-09600-10 - 10mm hex wrench
RL-09600-11 - 11mm hex wrench
RL-09600-12 - 12mm hex wrench
RL-09600-15 - 15mm hex wrench
32 Freewheel and cassette

**RL-62200-C** Premium sprocket remover
- curved tool head fits the cassette shape and make operations easy
- fits all 5 to 11 speed cassettes and freewheels
- thick handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- 30cm long tool provides tremendous leverage and easy removal even of the tightest cassettes
- unmatched quality and comfort for a consumer tool
- packaged carded

**RL-62400-C** Premium cassette lockring wrench for Shimano HG & Sram
- to fit and remove Shimano, Sram, SunRace, SunTour, Chris King and other cassette lockrings
- also fits Shimano disc brake CenterLock lockrings
- guide pin to hold the tool into the hub
- thick handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- 30cm long tool provides tremendous leverage and easy removal even of the tightest cassettes
- unmatched quality and comfort for a consumer tool
- packaged carded

**RL-62500-C** Premium cassette lockring wrench for Campagnolo
- to fit and remove all Campagnolo cassettes (including 11 speed)
- guide pin to hold the tool into the hub
- thick handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- 30cm long tool provides tremendous leverage and easy removal even of the tightest cassettes
- unmatched quality and comfort for a consumer tool
- packaged carded
Freewheel and cassette

Professional sprocket remover
- to fit and remove a freewheel on a threaded hub and to hold a cassette when removing it
- excellent grip on cogs thanks to its curved head

RL-27000  Professional sprocket remover
- compatible with 8, 9, 10 and 11 speed cassettes

RL-27100  Professional single speed sprocket remover
- works on 1/8” fixed gear sprockets (fixies and track bicycles)
- also compatible with single speed and BMX

RL-27010 Chain rebuild kit for RL-27000

RL-27110 Chain rebuild kit for RL-27100

Freewheel remover wrench

RL-40000-401 - for Atom, Regina and Zeus
RL-40000-414 - for Shimano UG, Sachs Aris and Campagnolo
RL-40000-979 - for Shimano HG, Sram and Mavic

- design with aluminum oval shaped handle
- removable pilot to prevent from slipping out of the splines of the cassette lockring
- high precision laser cut and hardened tool steel
- to be used with professional sprocket remover RL-27000
- RL-40000-979 can also be used for fitting and removing Shimano’s XTR M965 and Deore XT disc brake lockings

RL-97910  Special cassette remover for RL-40000-979
Cassette and freewheel removers
- CNC machined
- hardened alloy tool steel

**RL-18600**
for old type Shimano, Suntour, Atom and Regina 2 notch freewheels

**RL-18710**
for old type 1 speed 2 notch freewheels

**RL-18720**
for old type 1, 2 and 3 speed 2 notch freewheels

**RL-18800**
for old type Cyclo and 4, 5 and 6 speed Regina 2 notch freewheels

**RL-40100**
for Atom, Regina and splined Zeus freewheels
to be used with freewheel remover wrench **RL-40000** (page 31)

**RL-40200**
for 4 notch ACS BMX freewheels 14/15 teeth compatible with 14mm oversized axles

**RL-40300**
for 4 notch BMX freewheels such as ACS Fat 16/22 teeth compatible with 14mm oversized axles

**RL-40400**
for Campagnolo 2 helicoidal notch aluminum freewheels

**RL-40500**
for splined Maillard Normandy freewheels

**RL-41100**
for splined Tiger, Falcon and old type Shimano freewheels
**Freewheel and cassette**

**RL-41300**
for old type Suntour and Maillard “course” 2 notch freewheels

**RL-41400**
for Shimano UG, Sachs Aris and Campagnolo freewheels to be used with freewheel remover wrench RL-40000-414

**RL-41500**
for splined Falcon freewheels type FW-L804, FW-L80, FW-L704, FW-L70, FW-L604 and FW-L60

**RL-41600**
for Shimano UG, Sachs Aris and Campagnolo freewheels features a guide pin and a 1/2” square drive to be used with torque wrench DV-10500 and adaptor DV-10800

**RL-96400**
for Suntour 4 notch freewheels since 1986

**RL-97900**
for Shimano Hyperglide, Sram and Mavic cassette lockrings RL-97910 is to be used with freewheel remover wrench RL-40000-979. Also fits Shimano disc brake lockrings

**RL-98000**
for Shimano Hyperglide, Sram and Mavic cassette lockrings features a guide pin and a 1/2” square drive to be used with torque wrench DV-10500 and adaptor DV-10800 (page 67) also fits Shimano® disc brake lockrings

**RL-98100**
Cassette lock ring tool with 12mm pin
- specially designed for fitting and removing cassette lockrings from Shimano, Sram, Sunrace and Suntour through-axle hubs
- features a 12mm pin to guide the tool in use
- 1/2” square drive
- to be used with torque wrench DV-10500 and adaptor DV-10800 or digital torque wrench DV-12200 (page 66)
- also fits some Shimano disc brake lockrings
36 Chain

**CH-04800-C** Premium chain tool
- compatible with 7 to 10-speed road and MTB chains
- also compatible with Shimano and Sram XX1 chains
- compact tool, very easy to take along with you in a bag
- ergonomically designed, handles with wide finger contact points
- heavy-duty investment cast tool body
- packaged carded

**CH-06500** Professional chain tool
- compatible with 7 to 10-speed road and MTB chains
- also compatible with Shimano 11-speed and Sram XX1 chains
- high precision CNC machining
- removable hardened pin
- ergonomic handles and comfortable overmolded body

**CH-06600** Professional chain tool
- compatible with any chain up to 11-speed
- high precision CNC machined parts
- knurled knob features 4 settings: wide and BMX chains, 7 to 11-speed Shimano and Sram chains, Campagnolo 11-speed chains, rivet peening on Campagnolo 11-speed chains
- fine tuning for a perfect fit
- hardened removable pin
- ergonomic handles and comfortable overmolded body

**CH-05802-5** – bag of 5 pins for professional chain tool CH-05800, CH-06500 and CH-06600
CH-06400-C Chain plier for Master links
- quick and easy installation and removal of Master Links such as Powerlink, Powerlock or similar products
- avoid difficult handlings with bare hands on a dirty and slippery chain
- hardened tool quality steel
- ergonomic shape for comfort

CH-04900-C Chain wear indicator
- a worn chain makes poor shifting and will slip over the cog teeth. Premature wear of chainrings and sprockets may happen
- features two gauges for checking chain stretch
  a/ +0.075 per link : chain to be replaced quickly in order to avoid sprocket replacement
  b/ +0.10 per link : chain and sprockets to be replaced at once, chainrings may be worn
- stainless steel
- high precision cut
- packaged carded

CH-06400 Chain plier for Master links
- quick and easy installation and removal of Master Links such as Powerlink, Powerlock or similar products
- avoid difficult handlings with bare hands on a dirty and slippery chain
- hardened tool quality steel
- ergonomic shape for comfort

CH-90700-C Chain rest
- to hold chain tension when rear wheel is removed during repair or transport
- simple, easy to install device for protecting chains and frames
- very handy to carry a bike without rear wheel in the trunk, in a frame bag or on a bike carrier
- fiberglass reinforced nylon
- packaged carded
38 Cables and brakes

Bottle of 200 cable end caps
- fit on both derailleur and brake cables
- made of aluminium

FR-01740
for brake cable

Bottle of 200 steel cable housing ferrules
- for perfectly holding housings into frame
- housing stops
- ferrules are made of chrome plated steel

FR-01750
for 4mm cable housing

FR-01760
for 5mm cable housing

Bottle of 100 plastic cable housing ferrules
- for perfectly holding housings into frame
- housing stops
- ferrules are made of black plastic

FR-01850
for 4mm cable housing

FR-01860
for 5mm cable housing
**Bottle of 200 cable end caps**
- fit on both derailleur and brake cables
- made of anodized aluminium

- **FR-01941** black
- **FR-01942** red
- **FR-01943** blue
- **FR-01944** green
- **FR-01945** orange

---

**Bottle of 100 aluminium derailleur cable housing ferrules**
- for perfectly holding housings into frame housing stops
- ferrules are made of anodized aluminium alloy
- for 4mm cable housing

- **FR-01951** black
- **FR-01952** red
- **FR-01953** blue
- **FR-01954** green
- **FR-01955** orange

---

**Bottle of 100 aluminium derailleur cable housing ferrules**
- for perfectly holding housings into frame housing stops
- ferrules are made of anodized aluminium alloy
- for 5mm cable housing

- **FR-01961** black
- **FR-01962** red
- **FR-01963** blue
- **FR-01964** green
- **FR-01965** orange
Cables and brakes

Frame protectors
VAR frame protectors cover brake or shift housings as well as hydraulic hose to protect a frame's finish from cables rubbing and minimize noise.
- save your paint and particularly wear into carbon frames
- clips over 4mm or 5mm housing and stays in place
- durable and flexible silicon construction
- 6 colors are available: black, white, red, blue, green and orange

Bottle of 50 frame protectors for 4mm housing
FR-01971 black
FR-01972 red
FR-01973 blue
FR-01974 green
FR-01975 orange
FR-01976 white

Bottle of 50 frame protectors for 5mm housing
FR-01981 black
FR-01982 red
FR-01983 blue
FR-01984 green
FR-01985 orange
FR-01986 white
FR-07000  Professional cable and housing cutter
- provides a clean cut of wire without flattening, fanning and splaying
- blades are made from hardened high carbon steel
- ergonomically designed dual density handles for comfortable use

FR-07900-C  Cable cutter
- triangular clean cut
- hardened alloy tool steel
- not convenient for cutting spokes
- vinyl coating for excellent comfort
- packaged carded

Cable stretcher
- pulls cables tight while adjusting brakes or index shifting
- thumb lock system holds the cable tight while your hand is removed to tighten pull-up bolts and nuts
- hardened and chrome plated alloy tool steel
- vinyl coating for excellent comfort
- packaged carded

Brake and derailleur wrenches
- 2.5mm ultra thin wrenches
- hardened tool quality steel
- chrome plated steel

FR-93600-08/09 - 8 and 9mm
FR-93600-10/11 - 10 and 11mm
Cables and brakes

FR-29900 Disc brake rotor straightener
- to gently straighten mountain bike disc brake rotors
- 2 slots depths: one long for bent brake rotors at rotor arm and one short for those bent at the braking area
- high-precision laser cut
- hardened tool quality steel
- comfortable handle

As bent or damaged disc brake rotors are often due to misaligned disc brake calipers to wheel hubs, we advise you to use tool CD-14500 (Page 9)

FR-29800 Lever for hydraulic brake pads
- to compress hydraulic pistons before brake pad replacement or bleeding
- to be used when brake pads are installed
- specially shaped to prevent major damages to the pads when compressing
- hardened tool quality steel
- ergonomic aluminum oval shaped

FR-29700 Hydraulic hose cutter
- for clean, quick and effortless cut of hydraulic brake hoses
- prevent bias cut that gives a poor fitting of inserts and olives
- heavy-duty hardened steel blade
- comfortable vinyl coating
- not suitable for cutting derailleur and brake cables and housings
**Professional hydraulic disc brake bleeding kit**

Never mix mineral oil and DOT fluid to save brake seals. We recommend the use of one bleeding kit for mineral oil and another one for DOT brake fluid. We strongly recommend the use of gloves such as **NL-79002** (page 107) for any hydraulic brake, fork and rear shock services due to the corrosiveness of mineral oil and DOT fluid.

- to bleed most hydraulic disc brakes
- includes 2 shop quality 30ml syringes
- much longer life than conventional syringes
- 4, 5 and 6mm threaded adaptors
- 6 hoses equipped with clamps on each hose to prevent fluid from getting back in unintentionally
- kit compatible with mineral oil and DOT brake fluid
- comes in plastic storage case

FR-30000-N - for mineral oil, black syringes
FR-30000-O - for DOT brake fluid, orange syringes

---

FR-30011 - replacement seal-O-ring for syringes (50ml) FR-30000-N and FH-30000-O
FR-30021 - replacement seal-O-ring for syringes (30ml) FR-30000-N and FH-30000-O
FR-30024 - replacement seal-O-ring for syringes (20ml) FR-30000-N and FH-30000-O
FR-30014-2 - set of 2 hoses and M4 fittings - black
FR-30015-2 - set of 2 hoses and M5 fittings - grey
FR-30016-2 - set of 2 hoses and M6 fittings - orange
FR-30050 - set of 2 hoses and Hayes fittings - blue
Cables and brakes

**FR-35000 Master hydraulic brake bleed kit**

Our brake bleed kit **FR-30000** quickly became the standard of the bike industry thanks to the extreme durability of our professional syringes. Thanks to this new Master bleed kit, you can bleed most hydraulic brakes comfortably while taking part in waste oil recycling.

The kit includes:

- 1 hydraulic hose cutter **FR-29700**
- 1 lever for hydraulic brake pads **FR-29800**
- 1 professional brake bleed kit for mineral oil **FR-30000-N**
- 1 professional brake bleed kit for DOT **FR-30000-O**
- 1 box of 100 nitrile gloves **NL-78002**
- 1 waste hydraulic fluid drainer **NL-79300**
- 1 shop apron **AP-94900**

We strongly recommend the use of gloves for any hydraulic brake, fork and rear shock services due to the corrosiveness of mineral oil and DOT fluid.

- to bleed most hydraulic disc brakes
- includes two 20ml shop quality syringes
- much longer life than conventional syringes
- 4, 5 and 6mm threaded adaptors
- 6 hoses equipped with clamps on each hose to prevent fluid from getting back in unintentionally
- color code for each size of hose with clamp

Never mix mineral oil and DOT fluid to save brake seals. Our Master bleed kit includes one plastic case for DOT fluid (orange syringes) and another for mineral oil (black syringes) to avoid any mistake during bleeding services.

Designed for convenient collection and transportation of waste hydraulic fluids, our waste fluid drainer helps you to take part in recycling and thus environment protection.

- collects waste hydraulic fluids during brake and fork bleeds and degreasing parts
- prevents spilling of oil on work bench or workshop floor
- very handy to take your waste fluids to a recycling center
- perforated shelf allows to drain parts without any risk to loose small parts
- plastic can compatible with DOT, mineral oils, fork oils and degreasers **NL-75300** and **NL-75400**
- compact size for easy use and storage on a work bench or tool cabinet (mobile hydraulic workstation)
- funnel below perforated shelf can be sealed (stopper included) to move oil drainer without any risk
- 7 liter capacity, outer measurements 49 x 30 x 11cm, stainless steel perforated shelf of 23 x 23cm
FH-80800  Shock pump
- description : page 10
Caution : this pump is not suitable for tire inflation.

RP-25000-C  Mini-pump
- recommended for mountain and city bikes
- compact and lightweight pump to take along in a bag or jersey pocket
- fits Presta and Schrader valves
- reinforced composite barrel
- comfortable non-slip dual density handle
- mounting bracket to securely attach to water bottle bosses
- 120psi capacity (8bar)
- packaged carded

RP-25100-C  Telescopic mini-pump
- recommended for mountain and city bikes
- very compact and lightweight pump to take along in a bag or jersey pocket
- telescopic feature for faster and easier inflation
- fits Presta and Schrader valves
- reinforced composite barrel, telescopic aluminum barrel
- comfortable non-slip dual density handle
- mounting bracket to securely attach to water bottle bosses
- 120psi capacity (8bar)
- packaged carded

RP-25200-C  Telescopic mini-pump
- recommended for mountain and city bikes
- telescopic feature for faster and easier inflation
- high volume of air at every stroke
- fits Presta and Schrader valves, Presta adaptor stored in the handle
- mounting bracket to securely attach to water bottle bosses
- 80psi capacity (6bar)
- packaged carded

RP-45000-C  Premium mountain mini-pump
- recommended for mountain and city bikes
- CNC machined and polished aluminum construction
- retractable flexible hose is stored inside pump barrel
- fits Presta and Schrader valves, Presta adaptor stored in the handle
- mounting bracket to securely attach to water bottle bosses
- 80psi capacity (6bar)
- packaged carded

RP-45100-C  Premium CNC mini-pump
- recommended for mountain and city bikes
- all CNC machined aluminum construction
- anodized high-polish finish makes this pump stylish
- quick and easy inflation
- telescopic barrel provides very high volume of air at every stroke
- ultra compact and lightweight, easy to fit in a bag or jersey pocket
- 16cm when folded up, 38cm when folded out
- fits Presta and Schrader valves
- mounting bracket to securely attach to water bottle bosses
- 80psi capacity (6bar)
- packaged carded
Wheels and pumps

RP-80100-C  Consumer floor pump
- economical and durable pump
- steel barrel is strongly fixed into the large composite base
- stable base with large foot pads
- fits Presta, Dunlop and Schrader valves
- large dual density ergonomic handle for optimal comfort
- precision pressure gauge
- 160psi capacity (11bar)

RP-80600-C  Professional high-pressure floor pump
VAR is the official supplier of Team KMC EKOI ORBEA, world’s #1 MTB Team as to 2016 UCI ranking
- heavy-duty CNC machined aluminum construction
- large aluminum base gives excellent stability and stiffness
- quick and easy inflation even on road bikes
- extra-long reinforced rubber hose
- fits Presta, Dunlop and Schrader valves
- air bleed valve to easily set precise air pressure in your tire
- ergonomic and anti-slip dual density handle
- large precision pressure gauge (2,5") for optimum readability
- 180psi capacity (12bar)

RP-80500-C  MAGNUM AIR FORCE floor pump for tubeless tires
- top quality high pressure pump
- 2 modes: standard inflation and easier seating of tubeless tires, road and MTB
- built-in reservoir stores a charge of air pressure to release it all at once like a compressor
- fast and easy inflation even for road bikes
- solid metal construction with CNC machined parts
- wide steel base provides great stability and stiffness
- extra-long reinforced rubber hose
- fits Presta, Dunlop and Schrader valves
- ergonomically designed tubular handle
- 2.5" oversized gauge is precise and easy to read
- more than 260psi / 18bar capacity

RP-80203  Replacement dual valve
- reversible head for Presta and Schrader valves
- compatible with VAR floor pumps RP-80200-C, RP-80300-C, RP-80500-C and RP-80600-C
- CNC machined aluminum, blue anodized high-polish finish
RP-80700 Shop inflating gun
- features a large 2.5" (6.35cm) LCD display pressure gauge with backlight and a protective gauge boot
- digital display instantly and clearly shows exact reading, eliminating the guesswork of analog gauges
- orange backlight provides ultimate visibility in low light or at night
- measuring range: 0–200 psi, 0–13.79 bar, +/- 3% accuracy
- measurement units: PSI – Bar – Kg/cm² - Kpa
- pressure increments: 0.1 PSI/0.01Bar/0.01 kg/cm²/1Kpa
- 50cm flexible rubber hose with thumblock head that instantly seals to Presta and Schrader valves
- also features a coupler plug compatible with our recoil air hose RP-79900
- air bleed button for easy pressure tuning
- non-slip handle for sure grip and great comfort
- automatically shuts off after 180 seconds to save the batteries

RP-79900 Recoil air hose
- perfect for high pressure applications and extended use
- self-storing design springs back into coiled shape after each use
- swivel quick release fittings allows maximum directional flexibility
- very durable and resistant to abrasions, cuts, oil, and grease
- 6m long polyurethane hose

RP-45300 CO2 inflator
- fits threaded CO2 cartridges
- ensures fast, convenient tyre inflation on the move
- fits both Presta and Schrader valves
- thread-on valve head for secure, controlled CO2 delivery
- lightweight (13g) and compact size
- precision CNC alloy body, black anodized
48 Wheels and pumps

**RP-42500-C  Nylon tyre lever system**
- specially designed for road narrow tyres
- removable lever works as a second tyre lever
- nylon reinforced with fiberglass not to damage rim and tube
- to be taken along for a ride

**RP-42900-C  Set of 3 nylon tyre levers**
- nylon reinforced with fiberglass for long life
- excellent stiffness, ideal for hard to remove tyres
- ergonomic shape
- features a scuff pad
- slide into each other for easy storage

**RP-42900-B  Retail counter display box of 25 sets**

**RP-43000  Professional tyre lever**
- designed to remove the toughest tyres (downhill, freestyle, ...) 
- long handle (8.26" - 21cm) gives excellent leverage
- ergonomic and anti-slip dual density handle for great comfort
- forged and hardened tool quality steel

**RP-43100-C  Set of 2 nylon tyre levers**
- wide, flat and very stiff to remove even the toughest tyres including most tubeless tyres
- compact size to take along for a ride in a bag
- features a scuff pad
- slide into each other for easy storage

**RP-43100-B  Retail counter display box of 25 pairs**
Wheels and pumps

RP-43300  Tool for removing city bike tyre and inner tube
- avoid removal of rear wheel with internal-gear hub
- provides substantial time-saving as it doesn’t modify the index shifting
- fits steel frame city bikes, not suitable for aluminum frames
- heavy-duty construction with wide forks
- laser cut and hardened parts for durability
- long ergonomic handles provides excellent grip and leverage

RP-44000-B  36 kit countertop display

RP-44000-C  Patch kit
Includes:
- 4 patches 24x34mm
- 2 patches 32x52mm
- 1 rubber cement tube
- 1 metal scraper

RP-44100-B  36 kit countertop display

RP-44100-C  Glueless patch kit
- for a quick repair without using any rubber cement
- adhesive patch stretches and twists right along with the tube

Includes:
- 6 adhesive patches 30x30mm
- 1 metal scraper
50 Wheels and pumps

**RP-42300 Valve core extractor for Presta valves and valve extensions**
- for fitting and removal of tubeless valve cores
- also suitable for fitting valve extensions on deep aero rims
- 45mm long shaft made from hardened high torque alloy steel, exceptional durability
- comfortable handle features an ergonomically designed over-molded rubber slip-resistant grip
- doesn’t fit Schrader valves

**RP-42400 Valve core extractor for Schrader valves**
- for removal and replacement of valve cores on pneumatic suspension systems as well as inner tubes with Schrader valves
- 40mm long shaft and 4.45mm diameter
- heavy-duty steel, exceptional durability
- comfortable and ergonomic dual density handle provides excellent grip
- doesn’t fit Presta valves

**RP-44300 Bottle of 50 Presta valve cores**
- avoid valve replacement when the core is damaged, lost or grimy
- when a valve core is grimy by dried tire sealant, it cannot be closed properly which causes air leaking
- compatible with any Presta valve featuring a removable core
- to be used with valve core extractor **RP-42300**

**RP-44900 Bottle of 50 Schrader valve cores**
- to repair a leaky valve without replacing the whole inner tube
- also great for repairing leaky suspension forks and rear shocks, a damaged core can cause a drop in air pressure
- to be used with professional valve core extractor **RP-42400**
Set of 2 Presta valves 35mm
- available in brass (about 8g per valve) and in anodized alloy construction (3g per valve)
- enables tubeless setup on tubeless ready rims such as NoTubes, Ryde, Roval, ...
- to be used with VAR tubeless rim tapes RP-43800 and RP-43900
- tapered rubber gasket provides perfect airtightness without excessive tightening of the valve (not recommended)
- removable core to easily inject a tire sealant

A  RP-44400  - 2 brass Presta valves - 35mm
B  RP-44400-C  - 2 brass Presta valves - 35mm, carded
C  RP-44410  - 2 brass Presta valves - 44mm

D  RP-44501  - 2 alloy Presta valves - 35mm black
E  RP-44511  - 2 alloy Presta valves - 44mm black

F  RP-44502  - 2 alloy Presta valves - 35mm red
G  RP-44503  - 2 alloy Presta valves - 35mm blue
H  RP-44504  - 2 alloy Presta valves - 35mm green
I  RP-44505  - 2 alloy Presta valves - 35mm orange

RP-44600  2 alloy Presta valve extenders - 40mm black
- lightweight CNC alloy valve extenders, black anodised
- for use on deep rims where a standard valve isn’t long enough
- feature airtight seal to prevent any air leaking between valve and extender
- to be used with inner tubes with removable valve cores
- to install with composite micro tool included or with professional valve core extractor RP-42300
Wheels and pumps

Tubeless rim tapes
- self-adhesive rim tapes
- can be used to create an airtight seal to seal spoke holes on tubeless ready rims (NoTubes, Ryde, Roval ...)
- can be used for tube type or tubeless set up with VAR valves
- very thin, it makes it easier to mount the tire onto the rim
- extremely resistant to high pressures, one turn around is necessary up to 6 bars
- lightweight: 3 to 5g per wheel

RP-43800-17 - 10m tubeless rim tape - 17mm wide for inner rim width from 14 to 18mm
RP-43800-21 - 10m tubeless rim tape - 21mm wide for inner rim width from 18 to 22mm
RP-43800-25 - 10m tubeless rim tape - 25mm wide for inner rim width from 22 to 26mm
RP-43800-29 - 10m tubeless rim tape - 29mm wide for inner rim width from 26 to 30mm

RP-43900-17 - 33m tubeless rim tape - 17mm wide for inner rim width from 14 to 18mm
RP-43900-21 - 33m tubeless rim tape - 21mm wide for inner rim width from 18 to 22mm
RP-43900-25 - 33m tubeless rim tape - 25mm wide for inner rim width from 22 to 26mm
RP-43900-29 - 33m tubeless rim tape - 29mm wide for inner rim width from 26 to 30mm
Tyre sealant
VAR is the official supplier of Team KMC EKOI ORBEA, world’s #1 MTB Team as to 2016 UCI ranking
- seals punctures up to 1/4" (6.5mm) quickly
- makes tubeless ready tyres airtight
- suitable for MTB and road tyres
- resists freezing
- squeeze bottle injects sealant through valve stem by removing core

Amount per tyre:
- 26": 60-90ml
- 27.5": 70-100ml
- 27.5+: 120ml
- 29": 90-120ml
- 700x28: 30-60ml

Remove the valve core or one side of the tyre. Shake the bottle. Inject one measure. Install the valve core or the tyre. Inflate the tyre. Hold the wheel horizontally and spin the wheel to spread sealant uniformly. Flip the wheel and repeat. Add some sealant every 3 to 6 months.
**Wheels and pumps**

**RP-01200**  
Professional axle and pedal vise  
- to insert into a bench vise for easy hub and pedal adjustments  
- to hold 9, 10, 12mm hub axles and 9/16” pedal spindles without damaging spindle threads  
- removable aluminum jaws  
- tool body made from hardened spring steel

**RP-01202-2**  
set of 2 aluminum jaws

**RP-01400**  
Axle vise  
- to be clamped in a bench vise  
- holds the axle while working on the hub, fits front (9mm) and rear axles (10mm)  
- made from spring steel and aluminum

**RP-01402-2**  
set of 2 aluminum jaws

**RP-05700-C**  
Set of 2 consumer cone wrenches  
- to adjust 13, 14, 15, 16, 17 and 18mm hub cones  
- 2mm ultra thin heads and precise openings  
- hardened alloy tool steel  
- durable powder coat finish  
- packaged carded
Wheels and pumps

Set of 11 professional cone wrenches
- to adjust hub cones from 13 up to 24 mm
- 2 mm ultra thin heads and precise openings
- hardened alloy tool steel
- vinyl coating for an excellent comfort
- chrome plated

RP-06000-13: 13 mm opening
RP-06000-14: 14 mm opening
RP-06000-15: 15 mm opening
RP-06000-16: 16 mm opening
RP-06000-17: 17 mm opening
RP-06000-18: 18 mm opening
RP-06000-19: 19 mm opening
RP-06000-20: 20 mm opening
RP-06000-22: 22 mm opening
RP-06000-23: 23 mm opening
RP-06000-24: 24 mm opening

RP-08200
Bottle of 700-3/32" balls (2.38 mm)

RP-08400
Bottle of 400-1/8" balls (3.17 mm)

RP-08300
Bottle of 400-5/32" balls (3.96 mm)

RP-08000
Bottle of 300-3/16" balls (4.76 mm)

RP-08500
Bottle of 200-7/32" balls (5.55 mm)

RP-08100
Bottle of 200-1/4" balls (6.35 mm)
56 Wheels and pumps

RP-43400 Hub bearing extractor kit
- compatible with bearings featuring 10, 12, 15, 17 or 20mm inner bushings no matter what bearing width
- extractor collets rest on the back side of the bearing inner bushing to extract
- punch is perfectly guided into extractor collet which makes extraction in lign easy

RP-43402 10mm
RP-43403 12mm
RP-43404 15mm
RP-43405 17mm
RP-43408 20mm
**RP-43700 Hub bearing press**

- to accurately align and press bearings into the hub shell or freewheel body with or without hub axle
- compatible with bearing sizes 12x21x5, 12x24x6, 12x28x8, 15x24x5, 15x28x7, 17x26x5, 17x30x7, 20x32x7, 25x37x7
- also fits bearings deeply seated into the hub or freewheel body
- thrust bearing ensures smooth rotation by preventing any friction between tool and bearings to be pressed
- hardened steel parts and machined anodized aluminum bushings
- ergonomic handle and magnetized back plate for easy and comfortable use
**58 Wheels and pumps**

**RP-02200 Bladed spoke holder**
- securely holds bladed spokes to prevent twisting during spoke tension process
- fits 0,9mm bladed spokes including DT Swiss Aerolite, Sapim CX Ray, CN Spoke Aero 424
- long guiding blade for great holding feature
- ergonomically designed over-molded rubber slip-resistant grip for comfort

**RP-02400-C Spoke wrench for Mavic wheels**
- unique three-sided design fits any Mavic wheels equipped with M7, M7 oversized nipples and M9 threaded eyelets
- 127mm length for comfortable use
- hardened tool quality steel for exceptional durability
- nickel plated

**RP-02500 Triple spoke wrench**
- to adjust spoke tension, compatible with 3,2/3,3/3,5mm nipples
- hardened tool quality steel
- high precision manufacturing process to prevent damaging nipples when tensioning spokes
- nickel plated

**Professional spoke wrenches**
- available in 2 sizes: 3,2 or 3,5mm
- hardened metal insert, very high hardness level
- precise openings prevent aluminium nipples from rounding out
- ergonomic composite body provides excellent grip and comfort even when high spoke tensions are needed
- nickel plated

**RP-25510 Professional combined spoke wrench**
- 13 and 15 gauges (3,30 and 3,50mm)
- to adjust spoke tension on nipples
- also great for holding flat spokes while truing a wheel
- hardened alloy tool steel
- nickel plated steel

**NEW**

**Professional spoke wrenches**
- available in 3 dimensions: 3,2 / 3,3 / 3,5mm
- heavy-duty design, perfectly balanced with large wings to provide great leverage
- ergonomically designed to provide great comfort
- precision sintered steel
- nickel plated
Wheels and pumps

**RP-26000  Spoke nipple driver**
- quickly threads nipples up to the point where tensioning begins, speeding up the wheel building operation
- piloted steel shaft spins on bearings in a non-slip dual density ergonomic handle
- cannot be used for spoke tensioning

**Hex socket spoke wrench**
- to adjust deep recessed nipples in deep aero rims such as Mavic, Campagnolo ...
- hardened alloy tool steel

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP-26400-03.2</td>
<td>square, 3.2mm</td>
<td></td>
</tr>
<tr>
<td>RP-26400-05</td>
<td>hex, 5mm</td>
<td></td>
</tr>
<tr>
<td>RP-26400-05.5</td>
<td>hex, 5.5mm</td>
<td></td>
</tr>
<tr>
<td>RP-26400-06</td>
<td>hex, 6mm</td>
<td></td>
</tr>
</tbody>
</table>

**RP-26800  Spoke and nipple gauge**
- metric and english markings
- to quickly measure ball bearing and nipple sizes and spoke lengths and thickness
- stainless steel
- conversion table in both metric and inch (at the backside of the ruler)
- engraved to 350mm
**60 Wheel truing stand**

**RP-14300  Wheel alignment gauge**
- to check that the rim is properly centered between the locknuts of the hub
- fits road, mountain or BMX wheels from 14” to 29”
- fits any hub width
- compatible with hub axles of 9, 10, 12x142, 15x100 and 20x110
- wheel size markings on tube allow quick and easy diameter adjustment
- can be used with or without tire on the rim
- chrome plated tube and fiberglass reinforced Nylon sliding feet

**CR-07100  Disc rotor truing gauge for wheel truing stand**
- to accurately check the straightness of a disc brake rotor while the wheel is mounted in professional truing stand CR-07600
- compatible with any rotor diameters from 140 to 203mm
- helps to easily spot bends in rotor
- to be used with disc brake rotor straightener FR-29900 (page 42)

**CR-07300  Thru-axle adaptor for wheel truing stand**
- fits professional wheel truing stands CR-07600
- now compatible with 10, 12, 15, 20 and 25mm through axle hubs for a maximum hub length of 150mm
**Wheel truing stand**

**CR-07600** Professional wheel truing stand
- accommodates wheels from 16” to 29” with or without tyre mounted
- quick wheel installation thanks to its quick-release adjustment lever and brass slide bushings
- both uprights move in line simultaneously always centering hub with calipers, regardless of hub width
- heavy-duty rigid construction features most high precision CNC machined parts
- smoother, more accurate, stiffer, more versatile and faster to use than any other model
- removable Nylon caliper tips not to scratch the rim
- calipers accommodate tire widths up to 2.7”
- can be bench-mounted or vise-held
- can be used with our wheel alignment gauge RP-14300 for ultimate accuracy

**CR-07431-2** - set of 2 nylon caliper tips

**CR-07650** Caliper arm adjusting barrel
- optional as standard CR-07600 is delivered without this adjusting system
- will fit new generation of wheel truing stands CR-07600 delivered from May 2018
- will not fit previous series of CR-07600
- enables fine tuning of the caliper arm and to hold your setting

**CR-07700** Wheel truing stand tilting base
- specially designed to fit our CR-07600 professional wheel truing stand
- allows for adjustment of the wheel truing stand 25° degrees forward and 15° backward for comfortable use at any bench height
- features 4 handy slots to fit spoke wrenches and 4 compartments to store spoke nipples and other small parts
- can be mounted to your workbench for greater stability
Hex wrenches

**CL-09001-C** 4, 5 & 6mm Premium hex wrench set

**CL-09002-C** 4, 5 & 6mm Premium hex wrench set with ball-ends

**CL-17800** Professional hex wrench set

- features a ball-end for hard-to-reach bolts and a straight end for high torque applications
- features 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10mm sizes
- chamfered tips for easy insertion into screw heads
- made from hardened industrial quality steel
- chrome-plated for long life

**Y wrenches**
- handle features an ergonomically designed over-molded rubber slip-resistant grip for optimum comfort
- hex keys made from high torque alloy steel of higher quality than Cr-Mo or Cr-V
- easy identification of key size
- chamfered tips for easier insertion into screw heads
- packaged carded

**CL-09003-C** T10, T25 & T30 Premium Torx® compatible wrench set
Hex wrenches

Set of 7 P-handled wrenches
- shop quality wrenches
- magnetic tips for keeping track of hex screws
- non-slip ergonomic dual density grip for great comfort
- specially designed for a well-balanced weight to help you spin the wrench quickly
- hardened superior quality steel

CL-18000-02/08  Set of 7 P-handled hex wrenches
- 2 / 2.5 / 3 / 4 / 5 / 6 / 8mm

CL-18100-02/08  Set of 7 P-handled hex wrenches with ball-ends
- 2 / 2.5 / 3 / 4 / 5 / 6 / 8mm

CL-18100-02/10  10mm-hex wrench with ball-end

CL-18200-07/40  Set of 7 P-handled Torx® compatible wrenches
- T7 / T10 / T15 / T20 / T25 / T30 / T40
### MF-21000-C Micro multi-tool 8 functions
- 5 hex wrenches 2 / 3 / 4 / 5 / 6mm
- flat blade and n°1 Phillips screwdrivers
- T25 Torx® compatible wrench
- compact size (7mm thickness and 55mm length) and lightweight (58g)
- forged wrenches made from hardened chrome vanadium steel, nickel plated
- packaged carded

### MF-21100-C Multi-tool 8 functions
- 5 hex wrenches 2 / 3 / 4 / 5 / 6mm
- flat blade and n°1 Phillips screwdrivers
- T25 Torx® compatible wrench
- compact size (7mm thickness and 71mm length) and lightweight (80g)
- forged wrenches made from hardened chrome vanadium steel, nickel plated
- packaged carded

### MF-21200-C Multi-tool 16 functions
- 5 hex wrenches 2 / 3 / 4 / 5 / 6mm
- 8mm socket
- flat blade and n°2 Philips screwdrivers
- T25 Torx® compatible wrench
- chain tool
- 3,2 / 3,3 / 3,5 / 4mm and Mavic M7 spoke wrenches
- bottle-opener
- compact size (10mm thickness and 71mm length) and lightweight (115g)
- forged wrenches made from hardened chrome vanadium steel, nickel plated
- packaged carded

### MF-93700-C Multi-tool
- fiberglass reinforced nylon body
- lightweight tool, compact (80mm length) and ergonomic design
- 3 / 4 / 5 / 6mm hex wrenches, flat blade screwdriver and T25 Torx® compatible wrench
- hardened chrome vanadium steel
- nickel plated
- packaged carded
**Professional bench vise**
- heavy duty construction for intensive professional use
- special guiding spindle ensures durability, stiffness and precision (no looseness)
- both jaws are fully replaceable, accurately machined and hardened
- large swivel base and vise mass provide excellent stability
- 90° rotation swivel base with 2 locking nuts
- long steel slide bar for maximum leverage
- large anvil work surface (hardened)

DV-09000-100 - 100mm jaw width  
DV-09000-125 - 125mm jaw width

**Set of 2 nylon jaws for bench vise**
- made from nylon reinforced with fiberglass  
- properly positioned on bench vise by magnetic strip on each jaw

DV-09100-100 - for bench vise with 100mm jaws  
DV-09100-125 - for bench vise with 125mm jaws  
DV-09100-150 - for bench vise with 150mm jaws

**Set of 2 aluminum jaws for bench vise**

DV-09400-100 - for bench vise with 100mm jaws  
DV-09400-125 - for bench vise with 125mm jaws  
DV-09400-150 - for bench vise with 150mm jaws

<table>
<thead>
<tr>
<th>Item number</th>
<th>Size of square</th>
<th>Product compatibility</th>
</tr>
</thead>
</table>
| DV-04320    | from 3 to 9mm  | CD-04100-03  
CD-04100-05  
CD-04100-06  
CD-04100-10  
PE-04100-1/2  
PE-04100-9/16 |
| DV-04330    | from 4 to 12,5mm | PE-04700 |
| DV-04340    | from 5 to 16mm  | CD-04510-26/29.5  
CD-04520-26/29.5  
CD-04520-29.5/33.5 |

**Tap handle**
66 Miscellaneous

**DV-10000 Consumer torque wrench**
- essential to apply recommended torque specifications provided by component makers specially carbon components
- click-mechanism to indicate when torque setting is reached
- 3-14Nm range
- equipped with a ratcheting 1/4" drive
- includes a set of hex bits (3 / 4 / 5 / 6 / 8mm) and Torx® compatible bits (T25 / T30)
- calibrated to be accurate to +/- 4%
- 22cm (8.66") length
- protective case included

**Digital torque wrenches**
- to accurately apply the selected target torque to components and accessories
- high performance even under intensive use: accurate from +/-1% (clockwise) to +/-2% (counterclockwise)
- audible/LED light alarm when pre-set target torque is approaching
- supplied with an ISO 6789 calibration certificate and 1 AAA battery
- measuring mode: peak or track (real-time torque)
- unit of measurement: Nm, in.lbf, ft.lbf, kg.cm
- comfortable dual density grip
- numbered and supplied in a storage case
- auto power-off

**DV-12100**
- torque range: from 1 to 20Nm
- resolution: 0.01Nm
- compact and lightweight wrench: 20cm / 174g
- 1/4" female square drive
- delivered with an adaptor, 2 / 3 / 4 / 5 / 6mm hex bits, T7 / T10 / T25 / T30 Torx® compatible bits

**DV-12200**
- torque range: from 4.2 to 85Nm
- resolution: 0.1Nm
- compact and lightweight wrench: 29cm / 390g
- 3/8" male square drive
- delivered with an adaptor, 2 / 3 / 4 / 5 / 6 / 8mm hex bits, T7 / T10 T25 / T30 Torx® compatible bits
**Reversible head of DV-10500**

---

**Professional torque wrenches**
- to comply with torque specifications given by component and accessory manufacturers
- a click can be heard when the requested torque is reached
- equipped with a 3/8” drive
- equipped with a torque locking nut
- delivered in a plastic case
- to be used with hex socket and hex bit kit DV-10700

**DV-10400** torque wrench ranges from 4 to 20Nm  
(no bit included)

**DV-10500** torque wrench ranges from 20 to 100Nm  
(no bit included)

---

<table>
<thead>
<tr>
<th>Item number</th>
<th>Tool description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DV-10800</td>
<td>drive adaptor 3/8” (Female) x 1/2” (Male)</td>
</tr>
<tr>
<td>DV-10800-02</td>
<td>2mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-03</td>
<td>3mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-04</td>
<td>4mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-05</td>
<td>5mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-06</td>
<td>6mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-08</td>
<td>8mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-10</td>
<td>10mm hex bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-T7</td>
<td>T7 Torx® compatible bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-T25</td>
<td>T25 Torx® compatible bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10800-T30</td>
<td>T30 Torx® compatible bit - 3/8” drive</td>
</tr>
<tr>
<td>DV-10900-08</td>
<td>8mm hex socket - 3/8” drive</td>
</tr>
<tr>
<td>DV-10900-09</td>
<td>9mm hex socket - 3/8” drive</td>
</tr>
<tr>
<td>DV-10900-10</td>
<td>10mm hex socket - 3/8” drive</td>
</tr>
<tr>
<td>DV-10900-14</td>
<td>14mm hex socket - 3/8” drive</td>
</tr>
<tr>
<td>DV-10900-15</td>
<td>15mm hex socket - 3/8” drive</td>
</tr>
</tbody>
</table>

---

**DV-10700** **Socket and bit set**
- 7 hex bits of 2 / 3 / 4 / 5 / 6 / 8 / 10mm
- 3 Torx® compatible bits T7, T25 / T30
- 5 hex sockets of 8 / 9 / 10 / 14 / 15mm
- 1 drive adaptor 3/8”(F) x 1/2” (M)
- hardened chrome vanadium steel
- fits both torque wrenches DV-10400 and DV-10500
Miscellaneous

DV-11900 42 piece professional ratchet wrench set
- includes a 25cm long shop quality ratchet wrench and a collection of the most popular sockets, hex keys, Torx bits, screwdriver bit sockets and more
- hardened and chrome plated chrome vanadium steel
- housed in a protective carrying case

Set includes:
- 1 pc 3/8" drive professional ratchet wrench (25cm long)
- 19 hex sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 & 24mm
- 3 slotted screwdriver bit sockets : 4, 5.5, 7mm
- 2 Phillips bit sockets : Ph#1, Ph#2,
- 8 hex bit sockets : 2, 2.5, 3, 4, 5, 6, 8, 10mm
- 7 Torx compatible bit sockets : T7, T10, T15, T20, T25, T27, T30
- 1 pc 15cm extension bar
- 1 pc 3/8" to 1/2" drive socket adapter

DV-55300 Tape measure
- durable dual density case provides a comfortable non-slip grip
- metric reading up to 3m (118.11 inch)
- blade auto stop provides simple, effortless operation
- features a side hanging hook

DV-11600 Electronic digital caliper
- measuring range from 0 to 6" (from 0 to 150mm)
- resolution of 0.0005inch / 0.01mm
- choice between inch and mm
- external, internal and depth measurements
- tightening screw of the sliding gauge
- large LCD display for an easy reading, zero setting
- on/off switch and automatic power off, warning of battery wear
- hardened stainless steel, metal case
- delivered in its box
**DV-12800** Professional hacksaw for 300mm blade
- heavy-duty steel frame
- comfortable elastomer handles
- blade easily removable and easy tension adjustment
- 2 blade positions: standard and 45°
- delivered with a bi-metal blade, 10 teeth per cm
- After tube cutting, don’t forget to use our tube deburrer **FH-93200** (page 11) for quick and clean I.D. reaming and O.D. beveling

**DV-12710** Set of 2 HSS replacement blades 10 teeth

**DV-12720** Special blade for cutting carbon fiber components, HSS 12 teeth

**DV-20200** Professional tube cutter for steel and aluminum
- for clean and straight cuts on handlebars, headset tubes, seatposts from 3 to 42mm
- delivered with a replacement cutting wheel (inside knob)
- removable rotating deburrer
- After tube cutting, don’t forget to use our tube deburrer **FH-93200** (page 11) for quick and clean I.D. reaming and O.D. beveling

**DV-20001** - replacement cutting wheel **DV-20000** et **DV-20200**
DV-55000 6-in-1 Multifunction circlip pliers
- one single pliers for any circlips
- works on shafts with grooves (external circlips) and bores with grooves (internal circlips)
- delivered with straight noses, 45° bent noses and 90° bent noses

DV-55700 Retractable utility knife
- professional quality construction features a steel body overmolded by an ergonomic dual density handle for great comfort and a sure grip
- features 5 extra sharp blades of 18mm (4 replacement blades in a secure blade dispenser) and a screw lock system

DV-55900 Needle nose pliers
- thin tips enable to fit parts in hard-to-reach areas
- features crimping and grasping areas plus one cutting blade
- hardened tool steel for excellent durability
- comfortable ergonomic handles
- dual density grips

DV-56500 Twin slip-joint multigrip pliers
- inter-slotted jaws for increased stiffness
- 7 settings
- 240mm length, maximum opening of 32mm
- anti-slip grips
- hardened chrome-vanadium steel
DV-57200  Half-round file
- features one flat and one rounded side
- dual density handle for comfort and grip
- high carbon steel blade for durability
- 250mm long blade

DV-57300  Scissors
- professional quality scissors with solid, stainless steel blades and comfort dual density grips
- convenient for many workshop uses such as cutting bar tapes, rim tapes, handle grips and zip-ties

DV-57400  Side cutting pliers
- features very hard cutting edges designed to cleanly cut all types of wire
- long lever arm and dual density grips for great comfort
- made from forged, hardened, chromoly steel for high durability

DV-57500  Pick hook set
- set of 4 multi-purpose picks very convenient for many workshop uses
- ideal for pulling and marking in confined spaces
- includes full hook, angle hook, 90° angle hook and straight pick
- chromed alloy steel bars for corrosion resistance and long life
- slip-resistant bi-material handle for a comfortable grip
72 Miscellaneous

DV-55400 Adjustable wrench
- forged alloy tool steel
- 12" wrench for a powerful leverage
- maximum opening up to 35mm
- jaw-opening measuring scale for easy reading

DV-55500-06/17 Set of 11 combination wrenches
- box/open end wrenches from 6 to 17mm
- hardened chrome vanadium steel
- chrome plated for long life

Each wrench can be sold separately.
DV-55500-06 - 6mm combination wrench
DV-55500-07 - 7mm combination wrench
DV-55500-08 - 8mm combination wrench
DV-55500-09 - 9mm combination wrench
DV-55500-10 - 10mm combination wrench
DV-55500-11 - 11mm combination wrench
DV-55500-12 - 12mm combination wrench
DV-55500-13 - 13mm combination wrench
DV-55500-14 - 14mm combination wrench
DV-55500-15 - 15mm combination wrench
DV-55500-17 - 17mm combination wrench

DV-57100 Set of 5 ratchet combination wrenches
- 8 / 9 / 10 / 13 / 15mm wrenches
- hardened chrome vanadium steel
- polished and chrome plated finish

DV-57100-08 - 8mm ratchet combination wrench
DV-57100-09 - 9mm ratchet combination wrench
DV-57100-10 - 10mm ratchet combination wrench
DV-57100-13 - 13mm ratchet combination wrench
DV-57100-15 - 15mm ratchet combination wrench
**DV-57000** Set of 6 angled open socket wrenches
- includes 13 / 14 / 15 / 17 / 18 / 19mm wrenches
- hardened chrome vanadium steel
- chrome plated for durability
- DV-57000-13 - 13mm wrench
- DV-57000-14 - 14mm wrench
- DV-57000-15 - 15mm wrench
- DV-57000-17 - 17mm wrench
- DV-57000-18 - 18mm wrench
- DV-57000-19 - 19mm wrench

**DV-71000** Set of 6 professional screwdrivers
- 3 flat blades of 3.2 / 4 / 6mm and 3 Phillips blades n°0, n°1 and n°2
- higher quality blades than standard chrome vanadium or chrome molybdenum blades
- magnetized tip makes work easier on hard-to-reach screws
- ergonomic and anti-slip dual density grip provides maximum tip torque and great user comfort
- identification symbol moulded on top of grip makes tip identification easy
- DV-71101 - 3.2mm flat blade
- DV-71102 - 4mm flat blade
- DV-71103 - 6mm flat blade
- DV-71201 - n°0 Phillips blade
- DV-71202 - n°1 Phillips blade
- DV-71203 - n°2 Phillips blade

**DV-56800** Professional double-face hammer
- one steel face for heavy strikings, one removable soft plastic face for use on sensitive parts
- one-piece forged and hardened steel head for maximum durability
- chamfered edges to avoid chipping on parts
- long fiberglass shaft with shock-absorbing rubber hand grip for maximum comfort
- DV-56801 - spare soft plastic tip

**DV-56900** Dead-blow hammer
- steel shot-filled rubber-coated head allows you to drive with more force than with solid-head hammers without feeling as much of the impact, and without marring the surface
- the design also curbs bounce-back to help reduce related injuries and improve driving accuracy
74 Miscellaneous

DV-17300 Swivel head hand riveter
- handy for instant setting of bottle cage
- 360° swivel head to be used in any angle
- easy to operate and fit attachments such as rivets, nuts and anchors
- delivered with draw bars for M3, M4, M5 and M6
- delivered in a plastic box with a bag of 10 nuts M5

DV-55600 Magnetic parts bowl
- polished stainless steel with rubber covered magnetic base (6’/15cm in diameter)
- strong magnet keeps track of small parts such as balls, chain links, bolts, nuts, washers...

DV-71600 Auto-ranging digital multimeter
- essential when testing battery load and searching for breakdown on e-bikes
- quick and easy to use
- compatible with AC/DC power supply
- voltage (0~500V), current (0~10A), resistance (0~40MΩ), frequency measurement (0~10MHz)
- continuity measurement allows to easily check that an electrical wire is not broken
- compact and sturdy overmolded case
- CE conformity
**DV-71700 Portable digital scale**
- compact scale to accurately weigh bikes, frames, and components
- can be hung from a hook or installed into the clamp of a repair stand using its lanyard
- +/- 10g scale accuracy
- maximum capacity of 40kg (88.2 pounds) and displays kilograms to 10 grams
- includes a vinyl-coated hanging hook
- easily switch between metric and English weights (grams, ounces, kilograms, pounds)
- tare function to exclude weight of hanging hook
- easy to read display with its large size digits and stark contrast LCD blue backlight
- auto shut off to preserve battery life
- includes 2 Alkaline AAA batteries
- comply with CE / ROHS regulations
- product size : 8.5cm x 5cm x 1.6cm / 3.2 x 2 x 0.7 inch,
  Weight : 82g / 2.93 OZ.

**DV-71800 Tabletop digital scale**
- highly accurate (1g / 0.01oz) and convenient for weighing small parts and components
- maximum capacity of 5kg (11lb) and displays kilograms to 1 gram
- easily switch between metric and English weights (kilograms, grams, ounces, pounds)
- stainless steel platform design for easy cleaning
- tare function to exclude weight of container
- easy to read display with its large size digits and stark contrast LCD blue backlight
- auto shut off to preserve battery life
- includes 2 Alkaline AAA batteries
- comply with CE / ROHS regulations
76 Tool kits

KO-91205 Cycling club tool kit
This economical kit includes the necessary tools for most basic repairs at cycling clubs and bike rental stores. (See page 79 for tool list)

KO-91304 Starter tool kit
This is a solid starter kit for the shop mechanic including many major professional tools. (See page 79 for tool list)
KO-91406  Professional workshop kit
The kit is designed for the professionals. This tool list is to be highly considered for a bike shop opening. (See page 79 for tool list)
**KO-91506  Expert professional workshop kit**  
The kit is designed to perform a full maintenance and repair services. It includes the complete program of our finest professional tools to perform the most technically advanced repairs. Enjoy our 70 years of technical expertise to make your job easier! (See page 79 for tool list)
<table>
<thead>
<tr>
<th>Item number</th>
<th>Tool description</th>
<th>Tool description</th>
<th>Tool description</th>
<th>Tool description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP-94900</td>
<td>100% cotton professional workshop apron</td>
<td>AP-94900</td>
<td>100% cotton professional workshop apron</td>
<td>AP-94900</td>
</tr>
<tr>
<td>BP-01300</td>
<td>Professional pin spanner for most adjusting cranksets</td>
<td>BP-01300</td>
<td>Professional pin spanner for most adjusting cranksets</td>
<td>BP-01300</td>
</tr>
<tr>
<td>BP-01600</td>
<td>Professional pin spanner for bottom bracket locking</td>
<td>BP-01600</td>
<td>Professional pin spanner for bottom bracket locking</td>
<td>BP-01600</td>
</tr>
<tr>
<td>BP-03700</td>
<td>Set of bottom bracket tools</td>
<td>BP-03700</td>
<td>Set of bottom bracket tools</td>
<td>BP-03700</td>
</tr>
<tr>
<td>BP-41400</td>
<td>Cartridge BB tool for Campagnolo Record</td>
<td>BP-41400</td>
<td>Cartridge BB tool for Campagnolo Record</td>
<td>BP-41400</td>
</tr>
<tr>
<td>BP-60000</td>
<td>15x1mm pedal &amp; BB wrench for Campagnolo, Sachs &amp; Thun SKF</td>
<td>BP-60000</td>
<td>15x1mm pedal &amp; BB wrench for Campagnolo, Sachs &amp; Thun SKF</td>
<td>BP-60000</td>
</tr>
<tr>
<td>BP-60300</td>
<td>15x1mm pedal &amp; BB wrench for Shimano, XTR &amp; Dura-Ace</td>
<td>BP-60300</td>
<td>15x1mm pedal &amp; BB wrench for Shimano, XTR &amp; Dura-Ace</td>
<td>BP-60300</td>
</tr>
<tr>
<td>BP-85050</td>
<td>BB wrench for Hollowtech II &amp; SM-BB9000</td>
<td>BP-85050</td>
<td>BB wrench for Hollowtech II &amp; SM-BB9000</td>
<td>BP-85050</td>
</tr>
<tr>
<td>BP-96100</td>
<td>Professional wrench for Hollowtech II, Campagnolo Ultra Torque</td>
<td>BP-96100</td>
<td>Professional wrench for Hollowtech II, Campagnolo Ultra Torque</td>
<td>BP-96100</td>
</tr>
<tr>
<td>BP-99500</td>
<td>Bottom bracket tool for Shimano, Campagnolo, Sram and Tektro</td>
<td>BP-99500</td>
<td>Bottom bracket tool for Shimano, Campagnolo, Sram and Tektro</td>
<td>BP-99500</td>
</tr>
<tr>
<td>BP-99700</td>
<td>Bottom bracket tool for Shimano SM-BB900 &amp; STePS</td>
<td>BP-99700</td>
<td>Bottom bracket tool for Shimano SM-BB900 &amp; STePS</td>
<td>BP-99700</td>
</tr>
<tr>
<td>CL-03500</td>
<td>Head tube bearing and facing set for Cane Creek semi-integrated headset</td>
<td>CL-03500</td>
<td>Head tube bearing and facing set for Cane Creek semi-integrated headset</td>
<td>CL-03500</td>
</tr>
<tr>
<td>CL-04100</td>
<td>shimno(for rear shifter dropout)</td>
<td>CL-04100</td>
<td>shimno(for rear shifter dropout)</td>
<td>CL-04100</td>
</tr>
<tr>
<td>CL-04100</td>
<td>set of 2 HSS taps Shimano for water-bottle, toe-clip, fender and rack bosses</td>
<td>CL-04100</td>
<td>set of 2 HSS taps Shimano for water-bottle, toe-clip, fender and rack bosses</td>
<td>CL-04100</td>
</tr>
<tr>
<td>CL-04100</td>
<td>set of 2 HSS taps for carbon fiber tubes</td>
<td>CL-04100</td>
<td>set of 2 HSS taps for carbon fiber tubes</td>
<td>CL-04100</td>
</tr>
<tr>
<td>CL-04100</td>
<td>set of 2 HSS taps 15x11mm for front / rear axles</td>
<td>CL-04100</td>
<td>set of 2 HSS taps 15x11mm for front / rear axles</td>
<td>CL-04100</td>
</tr>
<tr>
<td>CL-13000</td>
<td>Gear hanger repair kit</td>
<td>CL-13000</td>
<td>Gear hanger repair kit</td>
<td>CL-13000</td>
</tr>
<tr>
<td>CL-13800</td>
<td>Derailleur hanger alignment gauge</td>
<td>CL-13800</td>
<td>Derailleur hanger alignment gauge</td>
<td>CL-13800</td>
</tr>
<tr>
<td>CL-14500</td>
<td>Facing tool for ie, Postmount and Shimano Flat Mount disc brake systems</td>
<td>CL-14500</td>
<td>Facing tool for ie, Postmount and Shimano Flat Mount disc brake systems</td>
<td>CL-14500</td>
</tr>
<tr>
<td>CL-32600</td>
<td>BB tapping set with taps 1 26”x24 TPI - Left and right hand threads</td>
<td>CL-32600</td>
<td>BB tapping set with taps 1 26”x24 TPI - Left and right hand threads</td>
<td>CL-32600</td>
</tr>
<tr>
<td>CL-38300</td>
<td>Bottom bracket facing kit</td>
<td>CL-38300</td>
<td>Bottom bracket facing kit</td>
<td>CL-38300</td>
</tr>
<tr>
<td>CL-47500</td>
<td>Frame and fork end alignment gauge set</td>
<td>CL-47500</td>
<td>Frame and fork end alignment gauge set</td>
<td>CL-47500</td>
</tr>
<tr>
<td>CL-77000</td>
<td>Biodegradable cutting oil</td>
<td>CL-77000</td>
<td>Biodegradable cutting oil</td>
<td>CL-77000</td>
</tr>
<tr>
<td>CH-04005</td>
<td>Chain wear indicator</td>
<td>CH-04005</td>
<td>Chain wear indicator</td>
<td>CH-04005</td>
</tr>
<tr>
<td>CH-06400</td>
<td>Chain plier for Master links</td>
<td>CH-06400</td>
<td>Chain plier for Master links</td>
<td>CH-06400</td>
</tr>
<tr>
<td>CH-08902</td>
<td>Bag 5 replacement pins for chain rivet tool</td>
<td>CH-08902</td>
<td>Bag 5 replacement pins for chain rivet tool</td>
<td>CH-08902</td>
</tr>
<tr>
<td>CH-08902</td>
<td>Professional chain tool</td>
<td>CH-08902</td>
<td>Professional chain tool</td>
<td>CH-08902</td>
</tr>
<tr>
<td>CL-18300</td>
<td>12x1mm and 3x10mm hex wrenches from 26” and 10x11mm</td>
<td>CL-18300</td>
<td>12x1mm and 3x10mm hex wrenches from 26” and 10x11mm</td>
<td>CL-18300</td>
</tr>
<tr>
<td>CL-18110</td>
<td>10x1mm hex wrench with ball-end</td>
<td>CL-18110</td>
<td>10x1mm hex wrench with ball-end</td>
<td>CL-18110</td>
</tr>
<tr>
<td>CL-18300</td>
<td>Set of 7 H-and hex wrenches with ball-ends from 2 to 8mm</td>
<td>CL-18300</td>
<td>Set of 7 H-and hex wrenches with ball-ends from 2 to 8mm</td>
<td>CL-18300</td>
</tr>
<tr>
<td>CR-07300</td>
<td>Adaptors for 12, 15, 20 &amp; 26mm axles</td>
<td>CR-07300</td>
<td>Adaptors for 12, 15, 20 &amp; 26mm axles</td>
<td>CR-07300</td>
</tr>
<tr>
<td>CR-07600</td>
<td>Professional wheel truing stand for cycles</td>
<td>CR-07600</td>
<td>Professional wheel truing stand for cycles</td>
<td>CR-07600</td>
</tr>
<tr>
<td>DR-03500</td>
<td>Headset and bearing cup press</td>
<td>DR-03500</td>
<td>Headset and bearing cup press</td>
<td>DR-03500</td>
</tr>
<tr>
<td>DR-10100</td>
<td>Crown race remover for new carbon and suspension forks</td>
<td>DR-10100</td>
<td>Crown race remover for new carbon and suspension forks</td>
<td>DR-10100</td>
</tr>
<tr>
<td>DR-14700</td>
<td>Crown race setting tool</td>
<td>DR-14700</td>
<td>Crown race setting tool</td>
<td>DR-14700</td>
</tr>
<tr>
<td>DR-37300</td>
<td>1&quot;, 1 1/8&quot; and 1 1/4&quot; headset cup remover</td>
<td>DR-37300</td>
<td>1&quot;, 1 1/8&quot; and 1 1/4&quot; headset cup remover</td>
<td>DR-37300</td>
</tr>
<tr>
<td>DR-37400</td>
<td>1 1/8&quot; &amp; 1 1/2&quot; headset cup remover</td>
<td>DR-37400</td>
<td>1 1/8&quot; &amp; 1 1/2&quot; headset cup remover</td>
<td>DR-37400</td>
</tr>
<tr>
<td>DR-95400</td>
<td>Frontset extractor used for 1&quot; and 1 1/8&quot; guide</td>
<td>DR-95400</td>
<td>Frontset extractor used for 1&quot; and 1 1/8&quot; guide</td>
<td>DR-95400</td>
</tr>
<tr>
<td>DR-98200</td>
<td>32x32x32x40mm headset wrench</td>
<td>DR-98200</td>
<td>32x32x32x40mm headset wrench</td>
<td>DR-98200</td>
</tr>
<tr>
<td>DV-04300</td>
<td>Tap handle - for square from 3 to 9mm</td>
<td>DV-04300</td>
<td>Tap handle - for square from 3 to 9mm</td>
<td>DV-04300</td>
</tr>
<tr>
<td>DV-11600</td>
<td>Electronic digital caliper capacity up to 155mm</td>
<td>DV-11600</td>
<td>Electronic digital caliper capacity up to 155mm</td>
<td>DV-11600</td>
</tr>
<tr>
<td>DV-12800</td>
<td>2.4-4.8mm digital torque wrench</td>
<td>DV-12800</td>
<td>2.4-4.8mm digital torque wrench</td>
<td>DV-12800</td>
</tr>
<tr>
<td>DV-12800</td>
<td>Professional hack saw for 300mm blade</td>
<td>DV-12800</td>
<td>Professional hack saw for 300mm blade</td>
<td>DV-12800</td>
</tr>
<tr>
<td>DV-12720</td>
<td>Imperial hacksaw blade for cutting carbon fiber tubes (super HSS)</td>
<td>DV-12720</td>
<td>Imperial hacksaw blade for cutting carbon fiber tubes (super HSS)</td>
<td>DV-12720</td>
</tr>
<tr>
<td>DV-20200</td>
<td>8-16mm Multi-function circlip pliers</td>
<td>DV-20200</td>
<td>8-16mm Multi-function circlip pliers</td>
<td>DV-20200</td>
</tr>
<tr>
<td>DV-55300</td>
<td>Measuring tape - 3m long</td>
<td>DV-55300</td>
<td>Measuring tape - 3m long</td>
<td>DV-55300</td>
</tr>
<tr>
<td>DV-55400</td>
<td>12° adjustable wrench</td>
<td>DV-55400</td>
<td>12° adjustable wrench</td>
<td>DV-55400</td>
</tr>
</tbody>
</table>
80 Tool kits

KO-91700 TEAM REPLICA tool case
VAR is the official supplier of Team KMC EKOI ORBEA, world’s #1 MTB Team as to 2016 UCI ranking

The case includes:
- professional wrench for Shimano Hollowtech II bottom brackets BP-96100
- bottom bracket tool for Shimano & ISIS drive compatible BP-99600
- chain wear indicator CH-04900
- master link pliers CH-06400
- professional chain tool CH-06500
- set 7 P-handled hex wrenches from 2 to 8mm CL-18000-02/08
- 10mm P-handled hex wrench with a ball-end CL-18100-10
- set 7 P-handled Torx wrenches from 7 to 40 CL-18200-07/40
- 12” adjustable wrench DV-55400
- needle nose pliers DV-55900
- L-type wrenches, 14mm DV-57000-14
- L-type wrenches, 15mm DV-57000-15
- shop quality scissors DV-57300
- pick hook set DV-57500
- set of 6 professional screwdrivers DV-71000
- cable and housing cutter FR-07900-C
- cable stretcher with thumb lock FR-23300
- TEAM REPLICA service tool case
- lithium grease - 100ml NL-78500
- 22mm crank extractor with 8mm hex wrench PE-01000
- screwdriver for Shimano Hollowtech II crank install PE-60600
- 15x15mm professional pedal wrench PE-65000
- professional sprocket remover 8/9/10 speed RL-27000
- freewheel locking wrench RL-40000-979
- cassette remover for Campagnolo, Shimano UG, Sachs Aris RL-41400
- gear cleaning brush RL-96200
- spoke wrench for Mavic wheels RP-02400-C
- professional spoke wrench - 3.2 mm RP-02600-3.2-C
- professional spoke wrench - 3.3mm RP-02702
- professional spoke wrench - 3.5mm RP-02600-3.5-C
- set 11 professional hub cone wrenches RP-06600-13/24
- set 3 nylon tyre levers reinforced with fiberglass RP-42900-C
- vulcanizing patch kit RP-44000-C

Weight: 15kg
KO-91801 Premium rolling tool case
- provides huge storage capacity for tools, components and spare parts
- built from impact resistant polycarbonate housing assembled with aluminum frame
- bottom tray features a large assortment of removable spare part bins
- unique design features removable trolley driven-unit with built-in solid wheels, telescopic handle and 3 additional compartments
- includes removable dual-sided pallets with textile loops, pockets and brush-type tool holders (smart quick-release system)
- built-in lid brake to keep lid open during use
- ergonomic dual density handle and combination lock
- sold without tools

Outer dimensions : 540 x 405 x 270mm
Inner dimensions : 435 x 275 x 185mm
Repair stands

**PR-90100**  Professional single clamp repair stand
- excellent stability thanks to the 28kg steel square base
- clamp height is adjustable up to 167cm for comfortable workstation
- oversized clamp PR-72000 quickly adjusts to fit any frame tube up to 80mm including aero-shaped tubes
- the clamp rotates 360° for the bike to be positioned at any angle
- rubber clamp covers protect frame
- clamp with double cable relief
- epoxy powder coated steel square base, chrome-plated vertical tube
- delivered with one handlebar holder PR-71300 and a composite compartmented tool tray PR-90150

**PR-90200**  Professional double clamp repair stand
- same specifications as stand PR-90100 but with 2 workstations
- each clamp can be adjusted to required height separately for optimal work comfort
- delivered with 2 handlebar holders PR-71300 and 1 composite compartmented tool tray PR-90150
- excellent stability thanks to the 44kg steel square base

**PR-90500**  Work bench repair stand
- heavy-duty steel construction and powder coated adjustable opening of clamp up to 80mm
- the clamp rotates 360° for the bike to be positioned at any angle
- equipped with professional clamp PR-72000 (360° rotation)
- can be bench-mounted or vise-held
**PR-90300 Electric repair stand**
- allows effortless height adjustment for any bike up to 50kg (111 pounds)
- ideal for lifting heavy electric bikes
- maximum working height of 170cm
- highly recommended to adapt workstations to bike mechanics with lifting limitations
- minimise risk of accident at work
- large super rigid structure made from extruded aluminum
- heavy-duty long CNC threaded shaft for ultimate reliability
- large steel square base provides excellent stability
- with professional quality clamp **PR-72000**
- works on a 230V ~ 50Hz power supply
- CE compliant

**PR-90400 Electric belt hoist**
- allows effortless height adjustment for any bike, e-bike and scooter up to 100kg (222 pounds)
- minimise risk of accident at work
- requires the hoist to be bolted to a maximum height of 4m
- to be bolted on a truly massive steel structure that supports heavy loads for safety reasons
- works on a 230V ~ 50Hz power supply
- CE compliant
Repair stands

PR-72000  Professional clamp
- fits repair stands PR-90100, PR-90200, PR-90500 and old type (PR-89900, PR-90000, PR-99700)
- oversized clamp quickly adjusts to fit any frame tube up to 80mm including aero-shaped tubes
- excellent frame clamping thanks to rubber clamp covers
- clamp with double cable relief
- equipped with 2 rubber clamp covers
- micro adjustable clamping pressure prevents damage to thin-walled tubes
- die-cast aluminum main body parts and hardened locking parts

PR-72020  Set of 2 rubber clamp covers
- fits clamp PR-72000
- with double cable relief
- anti-slip properties for optimal holding
- delivered with 4 circlips to hold the rubber clamp

PR-71300  Handlebar holder
- to hold the handlebar stationary, keeping the front wheel from turning while working on the bike
- fully thick vinyl coated for painting protection

Set of 2 storage hooks
- perfect for hanging bikes and wheels
- vinyl coated to prevent scratching
- sold in pairs

- PR-70301 - wood threaded, for road wheels and bikes
- PR-70302 - wood threaded, for MTB wheels and bikes
- PR-70303 - wood threaded, for fat wheels and bikes

- PR-70311 - M6 machine thread, for road wheels and bikes
- PR-70312 - M6 machine thread, for MTB wheels and bikes
- PR-70313 - M8 machine thread, for fat wheels and fat bikes
  - each set includes 2 nuts
**PR-85000 Team Replica folding repair stand**
- specially designed for Team KMC EKOI ORBEA mechanics (#1 MTB team as to 2016 UCI ranking)
- includes our professional clamp PR-72000 that can grip nearly any tube from 7/8" to 3" (23–80mm) including aero tubes
- clamp can be rotated 360 degrees for easy access to any component
- cam handle to quickly release tube from jaws
- clamping jaws are nominally 3" (8cm) wide
- quickly and easily folds down to 45" (115cm)
- clamping height adjusts up to 60" (152cm)
- maximum weight holding capacity is 77 lbs (35kg)
- stable and lightweight, just 11 lbs (5,1 kg), made of aluminium tubes

**PR-82000 Display stand**
- for bicycle wheels of all sizes 12 inch to 27,5 inch
- maximum tire width up to 2.4 inch
- made of durable steel tubes
- non-slip feet
- available in black
- measurements : 42cm x 42cm x 75cm (L x W x H)
- ideal for shops, garages, sheds, exhibitions, races, ...

**PR-82100 Bike stand up to 29”**
- fits any wheel size from 12 to 29”
- maximum tyre width : 8,1cm (3,2”)
- measurements : 45x42x75cm (L x W x H)
- same specifications as PR-82000

**PR-82000 Display stand**
- for bicycle wheels of all sizes 12 inch to 27,5 inch
- maximum tire width up to 2.4 inch
- made of durable steel tubes
- non-slip feet
- available in black
- measurements : 42cm x 42cm x 75cm (L x W x H)
- ideal for shops, garages, sheds, exhibitions, races, ...

**PR-82100 Bike stand up to 29”**
- fits any wheel size from 12 to 29”
- maximum tyre width : 8,1cm (3,2”)
- measurements : 45x42x75cm (L x W x H)
- same specifications as PR-82000
Formerly, workshops were concealed for lack of storage solutions, cleanliness and even appropriate tools… Your workshop now becomes a highly visible work space and a powerful communication vehicle to illustrate your organization and your technical expertise, thus helping you out to win customers’ loyalty.

Considering the fast growing number of maintenance operations and their increasingly technical nature, the workshop also becomes an essential profit center for the financial performance of many shops.

If you dream of a well organized, functional, neat and tidy workshop ensuring huge time-saving trick, VAR launches the ideal solution to organize your work space in a functional, modular and aesthetic way.

- functionality: each tool, each care product, each component will find its place within your workshop
- modularity: design your workshop freely according to your requirements and your budget
- aesthetic: our concept highlights your workshop and reassures your customers by strengthening your bike dealer’s credibility

You can design your work space freely thanks to its free-standing structure. No wall fixing required. Each furniture can also be ordered individually.

All our steel furniture is powder-coated (colors: RAL 9006 grey and black) and equipped with anodized aluminum handles that are rust-resistant.
88  Workshop equipment

Assembly

1/ Install your floor units.

2/ Screw connectors at the back of any floor furniture (fit double-sided connectors everywhere excepted on both sides of your system).

Special case : if your unit configuration ends with a tall cabinet MO-52201 on one or both sides, it is necessary to use double-sided connectors.

3/ Screw tool panels in between connectors.

4/ Screw wall cabinets and, if selected, corner wall cabinet.

5/ Fit and screw wooden and/or stainless steel bench tops.
**Workshop equipment**

**MO-52150  Workshop system 4m**

This kit includes:

- 1x MO-52201 - tall cabinet
- 1x MO-52202 - 2-door floor cabinet
- 1x MO-52203 - trash can cabinet
- 1x MO-52204 - 5-drawer cabinet
- 1x MO-52205 - 7-drawer cabinet
- 1x MO-52207 - 7-drawer tool cabinet
- 5x MO-52233 - double-sided panel connector
- 1x MO-52234 - single-sided panel connector
- 5x MO-52231 - tool panel (black)
- 3x MO-52221 - wall cabinet
- 1x MO-52011 - beech plywood bench top for 2 units
- 1x MO-52012 - beech plywood bench top for 3 units
Workshop equipment

MO-52201 Tall cabinet
- ideal for storing your chemical products, work wear, safety equipment, consumables, electrical appliances, ...
- 1 door featuring concealed hinges provides 110° opening angle
- 4 powder-coated shelves with adjustable height in 160mm increments
- maximum acceptable load of 40kg per shelf
- 2-point key locking, top and bottom
- Measurements: W. 600 x D. 458 x H. 2000mm

MO-52211 2-door tall cabinet
- ideal for storing your chemical products, work wear, safety equipment, consumables, electrical appliances, ...
- 2 door featuring concealed hinges provides 110° opening angle
- 4 powder-coated shelves with adjustable height in 160mm increments
- maximum acceptable load of 50kg per shelf
- 2-point key locking, top and bottom
- dimensions: L. 915 x W. 458 x H. 2000mm

MO-52202 2-door floor cabinet
- 2 swing doors featuring concealed hinges provide 110° opening angle
- 1 powder-coated shelf (675x420mm) with adjustable height in 80mm increments
- maximum acceptable load of 50kg
- key locking
- measurements (under bench top, not included)
  W. 680 x D. 458 x H. 910mm
**Workshop equipment**

**MO-52203 Trash can cabinet**
- features a trash bin, a paper towel rack (roll max. size ø30cm - W. 23.5cm) and a sliding drawer (W. 250 x D. 400 x H. 295mm)
- measurements (under bench top, not included) : W. 680 x D. 458 x H. 910mm

**MO-52204 5-drawer cabinet**
- 1 drawer : W. 570 x D. 405 x H 60mm
- 4 drawers : W. 570 x D. 405 x H 140mm
- maximum acceptable load per drawer of 35kg
- measurements (under bench top, not included) : W. 680 x D. 458 x H. 910mm

**MO-52205 7-drawer cabinet**
- 5 drawers : W. 570 x D. 405 x H 60mm
- 2 drawers : W. 570 x D. 405 x H 140mm
- maximum acceptable load per drawer of 35kg
- measurements (under bench top, not included) : W. 680 x D. 458 x H. 910mm

**Drawer tool cabinets**
- ball-bearing slide drawers
- anodized aluminum drawer handles are rust-resistant
- 2 types of workbench tops are available (38mm beech plywood and brushed stainless steel)
- central locking system of drawers
- layout of the drawers : adjustable dividers or foam inlays (coming soon)
- soft drawer liners

**MO-52203 Trash can cabinet**
- features a trash bin, a paper towel rack (roll max. size ø30cm - W. 23.5cm) and a sliding drawer (W. 250 x D. 400 x H. 295mm)
- measurements (under bench top, not included) : W. 680 x D. 458 x H. 910mm
**Workshop equipment**

**MO-52006 Corner floor cabinet**
- 1 door featuring concealed hinges provide 110° opening angle
- 1 powder-coated shelf (860x450mm) with adjustable height in 80mm increments
- key locking
- measurements (under bench top, **not included**) : W. 864 x D. 864 x H. 910mm
- to be installed back to back to benefit from a wider bench top : 864 x 1,728 mm
**MO-52207  7-drawer tool cabinet**
- fits perfectly into your system by rolling under bench top
- smooth-action ball-bearing slides
- over 35kg load capacity for each drawer
- equipped with 4 casters including 1 with brakes
- measurements with casters : 646 x 458 x 861.5mm

<table>
<thead>
<tr>
<th>in cm</th>
<th>MO-52207 7-drawer tool cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td>W x D x H</td>
<td>64,6 x 45,8 x 86,2</td>
</tr>
<tr>
<td>Drawers</td>
<td>53 x 40 x 6 (x6)</td>
</tr>
<tr>
<td>Weight</td>
<td>53 kg</td>
</tr>
</tbody>
</table>

**MO-50700  6-drawer tool cabinet**
- heavy-duty construction for professional use
- over 500kg total load capacity
- over 40kg load capacity for each drawer
- smooth-action ball-bearing slides
- internal keyed locking system (2 tubular keys supplied)
- quick-lock system drawer to prevent unit from accidentally opening
- drawer liners for protection to drawer bottom
- heavy-duty rubber casters with 2 brakes for silent moves
- ABS worktop with tool compartments and comfortable dual density built-in handle
- tool holder pegboards on both sides
- delivered with a steel caddy for aerosol cans and a paper towel holder

<table>
<thead>
<tr>
<th>in cm</th>
<th>MO-50700 6-drawer tool cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td>W x D x H</td>
<td>76 x 46 x 102</td>
</tr>
<tr>
<td>Drawers</td>
<td>56,5 x 39 x 6 (x3)</td>
</tr>
<tr>
<td>Weight</td>
<td>57kg</td>
</tr>
</tbody>
</table>
Workshop equipment

Beech plywood bench tops
- 40mm thickness ensuring sturdiness and durability
- treated with oil for a better resistance to liquids and easier maintenance
- threaded inserts ensure fast and easy assembly

MO-52017 Beech plywood bench top for 1 units
- to cover 1 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements : L. 680 x l. 463 x H. 40mm

MO-52011 Beech plywood bench top for 2 units
- to cover 2 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements : L. 1.361 x l. 463 x H. 40mm

MO-52012 Beech plywood bench top for 3 units
- to cover 3 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements : L. 2.041 x l. 463 x H. 40mm

MO-52014 Beech plywood corner bench top
- to cover the corner floor cabinet
- measurements : L. 865 x P. 865 x H 40mm
Stainless steel bench top
- 38mm thickness MDF top covered with a sheet of brushed stainless steel
- threaded inserts ensure fast and easy assembly

**MO-52013 Stainless steel bench top for 2 units**
- to cover 2 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements: W. 1.361 x D. 463 x H. 38mm

**MO-52018 Stainless steel bench top for 1 units**
- to cover 1 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements: L. 680 x L. 463 x H. 38mm

**MO-52015 Stainless steel bench top for 3 units**
- to cover 3 pieces of floor furniture (drawer cabinet, 2-door floor cabinet, tool cabinet and trash can cabinet)
- measurements: L. 2.041 x L. 463 x H. 38mm

**MO-52016 Stainless steel corner bench top**
- to cover the corner floor cabinet
- measurements: L. 865 x P. 865 x H 38mm
96 Workshop equipment

**Tools panels**
- epoxy-coated steel
- colors available: black granite, RAL 5012 blue, RAL 3020 red or RAL 9006 grey
- dimensions: L. 614.5 x W. 24 x H. 1052mm
- square holes
- hold tools with hook kit MO-52060

**MO-52231** Tool panel black granite

**MO-52035** Tool panel blue (RAL 5012)

**MO-52235** Tool panel red (RAL 3020)

**MO-52239** Tool panel grey (RAL 9006)

**Corner tools panels**
- epoxy-coated steel
- colors available: black granite, RAL 5012 blue, RAL 3020 red or RAL 9006 grey
- dimensions: L. 800 x W. 24 x H. 1052mm
- square holes
- hold tools with hook kit MO-52060

**MO-52232** Corner tool panel black granite

**MO-52036** Corner tool panel blue (RAL 5012)

**MO-52236** Corner tool panel red (RAL 3020)

**MO-52240** Corner tool panel grey (RAL 9006)
Double-sided panel connector
- to link two tool panels together in the modular system
- measurements: W. 65 x D. 30 x H. 1420mm

MO-52032 Single-sided panel connector
- to cap the edge of the tool panels on both sides (except if the last unit is the tall cabinet which needs to be connected with a double-sided connector)
- measurements: W. 32.5 x D. 30 x H. 1420mm

MO-5233 Double-sided panel connector - black granite

MO-52037 Double-sided panel connector - blue (RAL 5012)

MO-5227 Double-sided panel connector - red (RAL 3020)

MO-52241 Double-sided panel connector - grey (RAL 9006)

MO-52234 Single-sided panel connector - black granite

MO-52038 Single-sided panel connector - blue (RAL 5012)

MO-52238 Single-sided panel connector - red (RAL 3020)

MO-52242 Single-sided panel connector - grey (RAL 9006)

MO-52221 Wall cabinet
- ideal for storing your chemical products, consumables, technical literature...
- steel lift-up door equipped with 2 gas struts
- maximum acceptable load of 15kg
- quick and easy to fit on a tool panel
- measurements: W. 680 x D. 281 x H. 350mm

MO-52222 Corner wall cabinet
- ideal for storing your chemical products, consumables, technical literature...
- steel lift-up door equipped with 2 gas struts
- maximum acceptable load of 15kg
- quick and easy to fit on a tool panel
- measurements: W. 865 x D. 865 x H. 350mm

MO-52233 Double-sided panel connector - black granite

MO-52037 Double-sided panel connector - blue (RAL 5012)

MO-5227 Double-sided panel connector - red (RAL 3020)

MO-52241 Double-sided panel connector - grey (RAL 9006)
98 Workshop equipment

MO-52050 Set of 2 LED ramps
- comes with one single power adapter and one connecting cable to power up the second ramp from the first
- 8 watts
- soft and white light (4,000 K)
- to be installed under a wall cabinet (adhesive tape included)
- measurements: W. 615 x D. 30 x H. 12mm

We recommend to consider buying at least one multi-socket plug adaptor to put on top of wall cabinets MO-52221 and MO-52222 to plug in the power adapter.

MO-52060 Hook and rack kit
The kit includes (valid for 2 panels)
- 20 single hooks - 35mm long
- 10 single hooks - 87mm long
- 5 double hooks - 35mm long
- 5 double hooks - 87mm long
- 5 rectangle loop hooks
- 2 round loop hooks
- 1 screwdriver and hex wrench rack
- 1 combination wrench rack

MO-52070 Kit of peg bins
- 1 steel bar to fit peg bins (440mm long)
- 4 plastic bins
- measurements of one bin: 140x105x75mm

MO-52072 Aerosol can tray
- fits MWS tool panels and tool cabinet MO-50700
- dimensions: 304 x 83 x 83mm

NEW

MO-52075 Steel shelf
- dimensions: 600 x 280 x 180mm
**MO-52080 Kit of drawer dividers**
- supplied with 4 steel dividers and 2 side rails to store your tools properly
- suitable for our drawer tool cabinets MO-52204 and MO-52205
- not suitable for our cabinets MO-52207 and MO-50700

**MO-52078 Set of 39 insert boxes**
- ideal for organising drawer cabinets MO-52204 and MO-52205 and rolling tool cabinet MO-52207
- suitable for storing small parts and components
- made of high-impact plastic

Set includes:
- 20 red boxes - outer dimensions: 54x54x63mm
- 15 yellow boxes - outer dimensions: 54x108x63mm
- 2 blue boxes - outer dimensions: 108x108x63mm
- 2 green boxes - outer dimensions: 108x162x63mm

**MO-52082 Sets of 7 drawer liners MO52204 et MO-52205**
- protects drawer bottoms by dramatically reducing slidings of tools
- 3mm thickness PVC material
- dimensions: 567 x 404 x 3mm

**MO-52084 Sets of 7 drawer liners MO-52207**
- protects drawer bottoms by dramatically reducing slidings of tools
- 3mm thickness PVC material
- dimensions: 533 x 404 x 3mm
**Workshop equipment**

**MO-51100 Rubber anti-fatigue mat**
- specially designed for alleviating foot, leg and lower back pressure when standing for long periods
- rubber diamond-plate anti-slip surface on a sturdy waffle support system on the underside for maximum comfort
- mat includes 2 deck plates with bevelled edges
- total measurements: 155cm (width) x 71cm (depth) x 1.27cm (thickness)
- easy to mop or sweep clean
- thermal insulation for cold floors
- shock and perforation resistant
- can be used in welding areas
- resistant to lubricants, greases and standard chemicals
- caution: in case of DOT or mineral oil drop fall, mop the mat immediately
- protects your tools specially cutting tools in case of unexpected fall
- additional deck plates available to adapt your working space to your needs

**MO-51101** - end mat with interlocking teeth on one end only

**MO-51102** - center mat with interlocking teeth on both ends

**MO-51200 Shop stool**
- VAR shop stool is the perfect height for wheel trueing operations
- also great for other work at a bench or counter or in the shop
- chrome-plated steel legs and a comfortable padded seat with a silver logo
- seat rotates 360 degrees and is positioned at a height of 28.74” (73cm)

**MO-51300 Rolling shop stool**
- VAR shop stool is very handy for quickly moving around the bike while making adjustments or repairs
- adjustable height from 19.29” to 24.80” (49cm to 63cm)
- comfortable rotating seat with silver VAR logo
- quality wheels for fast and smooth-rolling
AP-94800  Professional workshop apron
- high quality cotton canvas
- cross-back fastening system that removes pressure from the neck
- ideal protection for your clothes
- 2 different lengths and many pockets

AP-94900  Workshop apron with VAR logo
- to protect your clothes whenever you work on your bike
- many reinforced pockets for stashing pens, parts, tools
- 100% high quality pre-shrunk cotton
- black with 2 white VAR logos
102 Care products

**NL-75300 Biodegradable degreaser**
- dissolves lubricants and greases from the grimmest chains and drive train parts
- won't damage any plastic or rubber parts
- complete degreasing of drive train is necessary before the first use of lubricant
- NL-75500 to fully take advantage of its efficiency
- 400ml aerosol

**NL-75400 Biodegradable degreaser**
- 100% plant origin formulation
- fully biodegradable, VOC free, non-toxic
- for use on the grimmest chains and drivetrain parts
- dissolves oil and grease without any risk to sensitive parts
- protects from corrosion
- 5 liter steel can

**NL-79000 Chain cleaner**
- enables to clean your chain quickly and easily
- keeping your drivetrain clean is essential for both transmission efficiency and component lifespan
- works with all chain types from 5 up to 11 speeds
- rotating central brushes get rid of grime built-up in the middle of the chain
- rotating side brushes turn twice faster than the others for optimum efficiency
- ergonomic handle features a reliable and sturdy locking clip
- to be used with degreaser NL-75300

**NL-75500 Professional chain lube**
- very high performances
- good in wet conditions
- no sludge build-up
- water repellent and anti-static
- protects plastic parts
- 400ml aerosol

**NL-76000 Releasing oil**
- to release and lubricate parts in contact
- to ease disassembly of corroded parts
- high penetrating properties
- leaves a thin oily and protecting film that is water resistant
- prevents corrosion and repels moisture
- 400ml aerosol
NL-75200 Cleaning foam for frames and forks
- cleans and degreases frames and forks without water
- more economical use (doesn’t run)
- leaves a protective shiny film
- makes future cleaning easy
- no need for rinsing
- 400ml aerosol

NL-79100 Cleaning brush set (6 pieces)
- cleaning a bike is essential to get better performance
- the kit contains 4 brushes, a sponge and a handy mesh bag for easy drying, storage and transportation
- each of them is designed for a specific cleaning purpose: a double-ended gear cleaning brush, a tyre cleaning brush, a frame cleaning brush and a wheel brush
- comfortable dual density handles

NL-79200 Cleaning brush set (4 pieces)
- cleaning a bike is essential for better performance
- the kit contains 3 brushes and a handy mesh bag for easy drying, storage and transportation
- each of them is designed for a specific cleaning purpose: a double-ended gear cleaning brush, a tyre cleaning brush and a frame cleaning brush
- comfortable dual density handles

NL-79400 Premium microfiber cleaning and polishing cloth
- to use after bike washing to remove water drops, spots and smears and also to polish bicycle frames and components
- high absorbency: absorbs six times its weight in water and dries in half the time of standard towels
- anti-static, lint-free, streak-free and its super-soft microfibers won’t scratch all plastic and painted surfaces
- made up of very small fibers that trap dirt deep in the pile of the cloth
- can be machine washed and reused hundreds of times
- can be used to clean with or without chemicals (cleaning foam, polish, …)
- one cloth must be dedicated to each special operation specially when chemicals are used
- size 40x30cm

NL-79500 Silicon shine
- apply to a clean and dry surface after a bike wash
- non-stick silicon formula prevents mud and grime build up
- protects paints, varnishes, metal, plastic, rubber and carbon fiber parts
- leaves a protective, water-repellent silicone coating and gives a sparkling shine even on tarnished frames by micro scratches
- buff the treated surface using microfibre cloth NL-79400
- cuts down on future cleaning

Caution: never apply our silicon shine to your brakes, rotors, disc brake pads, brake shoes, rims and tyres.
**104 Care products**

**Carbon and alloy assembly compound**
- designed to increase friction and reduce slippage between carbon fiber or alloy components (seat posts, handlebars and stems)
- avoid the risk to over tighten components
- caution: all similar compounds contain fine particles of silica. This silica may cause cosmetic blemishing
- NL-78300 and NL-78200 is NOT a grease. So never use it on threaded parts or for bearing lubrication.

**P.T.F.E. grease**
- to grease headsets, bottom brackets, hubs, seat stays, elastomers in forks, stems, handlebars
- synthetic grease with micronized P.T.F.E. particles (Teflon)
- water repellent
- excellent friction coefficient that increases ball-bearing lifetime
- contains anti-rust additives
- white colour eases contamination analysis and potential ball-bearing wear and tear
- no oil and grease separation

**Lithium bearing grease**
- makes headset, bottom bracket, pedal and hub bearings work smoothly
- viscosity formulated to reduce friction inside bearings
- waterproof for enhanced anti-corrosion protection of components
- reduces risks of water and grime intrusion
- suitable for freewheel mechanism, noise reduction property
- excellent lubrication and protection of suspension frame pivot points
- won’t damage seals and plastic parts
- 100ml tube (3.52 fl oz.)

**Anti-seize copper grease**
- solves problems of cracking, corrosion, rust, cold-welding on threaded parts aluminum and titanium components
- to be used for any assembly of parts of different metals against titanium
- to be used with parts exposed to moisture and extreme conditions
- 100ml tube (3.52 fl oz.)

**Grease gun**
- all metal construction ensures long life and reliability
- long nozzle enables to lubricate hard-to-reach components
- enables to control the output of grease
- ergonomic shape for comfortable grip
- compatible with any tube featuring M15 thread
NL-74802 Cleaning kit
- 1 cleaning foam NL-75200 / 1 degreaser NL-75300 / 1 lubricant NL-75500
- 1 set of 4 cleaning brushes and a sponge NL-78104 sturdy parts washer
- storage bucket

NL-74700 Care product countertop display
- 6 lubricants NL-75500
- 3 degreasers NL-75300
- 3 brake cleaners NL-75000

NL-74902 Care product countertop display
- 6 lubricants NL-75500
- 3 degreasers NL-75300
- 3 cleaning foams NL-75200
- 3 brake cleaners NL-75000
- 6 P.T.F.E. greases NL-78400
- 6 lithium bearing greases NL-78500
- 2 anti-seize copper greases NL-76600
106 Care products

**NL-77200 Cyanoacrylate glue**
- to bond threadless bottom bracket cups (Press-Fit, PF30, GXP, Campi OS Fit or similar) or sealed bearings in BB30 shell, hubs and suspension pivots
- also great to repair small holes in tubeless tyres without removing tyre or repair partly chunked tyre knobs, …
- fast acting cyanoacrylate glue works on virtually all materials (ABS, aluminum, steel, rubber, ceramic, wood, leather, …)
- always make sure surfaces are free of dust, grease, oil, moisture, …
- excellent resistance to shear and tensile stress
- to keep it fresh longer, simply store in a cool and dry environment such as a box in the fridge

**NL-77300 Thread locker - medium strength**
- disassembly can still be made with conventional tools
- prevents accidental loosening of fasteners in case of shocks and vibrations
- highly recommended for safety parts
- 60ml squeeze bottle
- equipped with a dropper
- colour: blue

**NL-77400 Thread locker - high strength**
- for parts that don’t require regular disassembly
- to be used for threaded inserts such as PE-04703-5 and PE-04704-5 (page 27), loose fitting bearing cups and pressed-in bottom bracket bearings
- 60ml squeeze bottle
- equipped with a dropper
- colour: red

**NL-77900 Shop hand cleaner**
- highly efficient to remove greases, lubricants, paintings and grime
- won’t dry out the skin, leaves skin super soft
- environmentally friendly, 90% biodegradable
- 5 liter pump dispenser
Box of 100 nitrile gloves
- to protect hands from grime and potentially harmful chemicals
- made from nitrile (latex free) to avoid allergies
- thin gloves to give good finger dexterity
- tough enough to resist snags

NL-79300 Waste hydraulic fluid drainer
- collects waste hydraulic fluids during brake and fork bleeds and degreasing parts
- prevents spilling of oil on work bench or workshop floor
- very handy to take your waste fluids to a recycling center
- perforated shelf allows to drain parts without any risk to loose small parts
- plastic can compatible with DOT, mineral oils, fork oils and VAR degreasers NL-75300 and NL-75400
- compact size for easy use and storage on a work bench or tool cabinet (mobile hydraulic workstation)
- funnel below perforated shelf can be sealed (stopper included) to move oil drainer without any risk
- 7 liter capacity, outer measurements 49 x 30 x 11cm, stainless steel perforated shelf of 23 x 23cm

Box of 100 nitrile gloves
- to protect hands from grime and potentially harmful chemicals
- made from nitrile (latex free) to avoid allergies
- thin gloves to give good finger dexterity
- tough enough to resist snags

NL-78001 Size M
NL-78002 Size L
NL-78003 Size XL

107
108 Bottle cages

**Bottle cage**
- lightweight and flexible material to hold any type of bottles securely
- excellent value for money
- carded

A CA-15101 - Black bottle cage  
B CA-15102 - White bottle cage

**CA-15111 Matt black bottle cage**
- durable coating provides a soft touch finish to avoid scratches on bottles  
- extremely easy to wipe off and clean  
- lightweight at only 39g/1.34oz.

**CA-15001 Alloy bottle cage**
- made from an oversized durable yet lightweight aluminum tubing  
- securely holds any type of bottles while providing easy access to the bottle  
- carded with one set of 2 hex bolts
Bottle cages

600ml water bottle
- BPA-free bottle (bisphenol A)
- bottle made of soft translucent material (LD Polyethylene)
- cap made of Polypropylene
- won’t break when falling down
- push pull cap
- 600ml capacity

CA-15401 - 600ml translucent water bottle - black and red
CA-15402 - 600ml translucent water bottle - black and blue
CA-15403 - 600ml translucent water bottle - black and green
CA-15411 - 600ml white water bottle - black and red
CA-15412 - 600ml white water bottle - black and blue
CA-15413 - 600ml white water bottle - black and green

CA-15700 Tool box
- fits into a traditional bottle cage
- convenient for storing tools, tubes, patch kits, Co2 inflators, etc.
- protects your equipment from poor conditions (rain, mud, sand, dust,...)
- durable HDPE thermoplastic material

CA-15700 Sold without tools
**110 Brake pads**

After a long development process and rigorous test rides, we are proud to introduce our brand new line of high performance disc brake pads. We have developed our line of brake pads in cooperation with the industry's finest technical partners. Our comprehensive line currently includes 44 disc brake pads to equip more than 320 different brake systems.

**All brake pads must be bedded-in progressively (about 30 brakings) to benefit from their optimum efficiency.**

During running in, we recommend to brake several times smoothly and to let your brakes cool down after each braking. Increase progressively braking power and braking duration to prevent brake overheating. Once bedding-in has been achieved, pads can sustain the most powerful brakings.

NB : Extreme conditions of use (high speed, sand, mud, …) and some entry level rotors increase wear and tear of pads.

---

**ORGANIC CERAMIC**

Our high performance **Organic Ceramic** pads contain ceramic particles for consistent efficiency from one braking to another. The pads benefit from a very good bite but remain progressive and easy to control despite high braking power. Long lifespan and rotor friendly. Suitable for all conditions. These pads are designed for cycling enthusiasts and competitors.

---

**SINTERED METAL**

Our high performance **Sintered Metal** pads contain fine metallic particles for ultimate braking performance. These pads have a very good bite when you start braking while maintaining a powerful braking. Our pads enable to easily control braking power even in case of a powerful braking. Long lifespan in any condition. These pads are designed for competitors (from cross-country to downhill).
Brake pads

Shop box with 25 sets of disc brake pads

PA-59001-B x25 pairs
PA-59002-B x25 pairs
PA-59003-B x25 pairs
PA-59015-B x25 pairs
PA-59021-B x25 pairs
PA-59030-B x25 pairs
PA-59060-B x25 pairs

PA-59001 ORGANIC
PA-59002 ORGANIC
PA-59003 ORGANIC
PA-64002 SINTERED
PA-59004 SINTERED
PA-64003 SINTERED
PA-64004 SINTERED
PA-64005 SINTERED
112 Brake pads
# Brake pads

<table>
<thead>
<tr>
<th>Brands</th>
<th>Boxes 25 pairs</th>
<th>Organic Ceramic</th>
<th>Sintered Metal</th>
<th>Brakes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVID, SRAM</td>
<td>PA-59015</td>
<td>PA-64015</td>
<td>Elixir, XX, XO</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59016</td>
<td>PA-64016</td>
<td>Juicy Ultimate/7</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59017</td>
<td></td>
<td>BB3/BB5 mechanical</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59018</td>
<td></td>
<td>RED/Force1/CX1</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59019</td>
<td></td>
<td>CODE R</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59020</td>
<td></td>
<td>CODE 4 piston</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59021</td>
<td>PA-64021</td>
<td>Xo Trail/Elixir 7</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59022</td>
<td></td>
<td>DB1/DB3/DB5 hydraulic</td>
<td>Brakes</td>
</tr>
<tr>
<td>BENGAL</td>
<td>PA-59001-B</td>
<td>PA-64005</td>
<td>Helix 7B/Ares Pro/5</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59048</td>
<td></td>
<td>Ares/MB Series/Strida/Helix 1~7.5 (not including Helix 4X/7B/Ares pro/5)</td>
<td>Brakes</td>
</tr>
<tr>
<td>BFO</td>
<td>PA-59061</td>
<td></td>
<td>BrakeForceOne/Tune</td>
<td>Brakes</td>
</tr>
<tr>
<td>CLARKS</td>
<td>PA-59001-B</td>
<td>PA-64002</td>
<td>S2</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59002-B</td>
<td>PA-64002</td>
<td>M1/M2/M3</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59003</td>
<td>PA-64003</td>
<td>HDB-540/HDB-600/HDB-790</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59016</td>
<td>PA-64065</td>
<td>CMD-15</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59065</td>
<td></td>
<td>Skeletal</td>
<td>Brakes</td>
</tr>
<tr>
<td>FORMULA</td>
<td>PA-59030-B</td>
<td>PA-64030</td>
<td>Mega/One/R1 Racing/R1/RX/R1/RO/T1/T1 Racing/C1/Cura/CR3</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59031</td>
<td>PA-64032</td>
<td>Oro</td>
<td>Brakes</td>
</tr>
<tr>
<td></td>
<td>PA-59032</td>
<td></td>
<td>4 Racing XC/FR/DH/BR Team/Pro/SL</td>
<td>Brakes</td>
</tr>
<tr>
<td>FSA</td>
<td>PA-59002-B</td>
<td>PA-64002</td>
<td>K-Force/Afterburner</td>
<td>Brakes</td>
</tr>
<tr>
<td>Brands</td>
<td>Boxes 25 pairs</td>
<td>Organic Ceramic</td>
<td>Sintered Metal</td>
<td>Brakes</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>----------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GIANT</td>
<td>PA-59001-B</td>
<td>PA-59001</td>
<td>MPH Root</td>
<td></td>
</tr>
<tr>
<td>GRIMECA</td>
<td>PA-59004</td>
<td>PA-59004</td>
<td>System 8 / System 16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59032</td>
<td>PA-59032</td>
<td>System 13</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59045</td>
<td>PA-59045</td>
<td>Ryde/Dyno</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59046</td>
<td>PA-59046</td>
<td>Stroker/Stroker Gram</td>
<td></td>
</tr>
<tr>
<td>HAYES</td>
<td>PA-59047</td>
<td>PA-59047</td>
<td>HFX MAG/HFX 9/MX1 hydraulic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59049</td>
<td>PA-59049</td>
<td>El Camino/EL trail hydraulic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59050</td>
<td>PA-59050</td>
<td>Prime/Prime Comp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59004</td>
<td>PA-59004</td>
<td>Mono M4/Tech M4</td>
<td></td>
</tr>
<tr>
<td>HOPE</td>
<td>PA-59075</td>
<td>PA-59075</td>
<td>Tech V2/Mini X2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59076</td>
<td>PA-59076</td>
<td>V4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59077</td>
<td>PA-59077</td>
<td>Mono Mini</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59060-B</td>
<td>PA-59060</td>
<td>MTS/MT2/MT4/MT4e/MT6/MT8/MT8 Carbon/MT Trail carbon rear</td>
<td></td>
</tr>
<tr>
<td>MAGURA</td>
<td>PA-59061</td>
<td>PA-59061</td>
<td>Louise 2007-2010</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59062</td>
<td>PA-59062</td>
<td>Julie/Louise 2007</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59063</td>
<td>PA-59063</td>
<td>Louise 2000/Louise 2001/Clara 2000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59065</td>
<td>PA-59065</td>
<td>Marta/Marta SL/Marta Gold</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59066</td>
<td>PA-59066</td>
<td>MT5/MT5e</td>
<td></td>
</tr>
<tr>
<td>PROMAX</td>
<td>PA-59016</td>
<td>PA-59016</td>
<td>DSK-950/E-Capsule</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59017</td>
<td>PA-59017</td>
<td>DSK-710/DSK-310/DSK-913 Decipher/Render</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59064</td>
<td>PA-59064</td>
<td>DSK-903</td>
<td></td>
</tr>
<tr>
<td>RST</td>
<td>PA-59001-B</td>
<td>PA-59001</td>
<td>D-power</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59001</td>
<td>PA-59001</td>
<td>M575/M525/M515/M495/M486/M485/M475/M465/M447/M446/M445/M415/M416 M416A/M355/M375/M395/T675/T615/C601/TX805/M4050/M3050/R517/R317</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59002-B</td>
<td>PA-59002</td>
<td>M9000/M9020/M985/M987/M978/M785/R785/RS785/M7000/M8000/M675/M666/M615 S700/CX75/R75/S785/RS785/R515/R315/CX77/R517/R317/Aline</td>
<td></td>
</tr>
<tr>
<td>SHIMANO</td>
<td>PA-59003</td>
<td>PA-59003</td>
<td>M975/M975P/M966/M965/M800/M776/M775/M755596/M595/M585/M545/M535 T665/605/601/R505/S501/S500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59004</td>
<td>PA-59004</td>
<td>XT M755</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59005</td>
<td>PA-59005</td>
<td>Saint M810/820/ZZE M640</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59006</td>
<td>PA-59006</td>
<td>Direct-Mount R9170/U5000/RS805/R505/R405F/R405R/RS305R/RS305F</td>
<td></td>
</tr>
<tr>
<td>TRICKSTUFF</td>
<td>PA-59060-B</td>
<td>PA-59060</td>
<td>Cleg 2</td>
<td></td>
</tr>
<tr>
<td>TRP</td>
<td>PA-59001</td>
<td>PA-59001</td>
<td>Parabox R/Hylex/HY/RD/Spyre/Spyre SLC/Spyke/Dash Sport</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59003</td>
<td>PA-59003</td>
<td>Dash carbon</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA-59005</td>
<td>PA-59005</td>
<td>Quadiem/Quadiem SL/Slate T4</td>
<td></td>
</tr>
</tbody>
</table>
**Screws and bolts**

**SC-67001** Bottle of 100 disc brake bolts
- M5x12, Torx T25
- super high quality steel (class 12.9) for optimal safety
- coated with medium strength thread locker

**SC-67002** Bag of 6 bolts
- M5x12, Torx T25

**SC-67101** Bottle of 50 socket head bolts
- M5x16
- high quality steel (class 10.9) suitable for brake calipers and sensitive components such as stems, handlebars...

**SC-67201** Bottle of 50 socket head bolts
- M6x20
- high quality steel (class 10.9) suitable for brake calipers and sensitive components such as stems, handlebars...

**SC-67301** Bottle of 60 chainring bolts
- steel, silver finish (chrome)

**SC-67302** Bag of 5 sets
116 Gear hangers

A removable gear hanger is a small part which can be found between your rear mech and your frame. In case of an accident, it’s designed as a weak point to bend or even break off if necessary to protect your frame.

We have selected the 164 most popular gear hangers to help mechanics to quickly replace damaged gear hangers.
- for minimising damage to your bike frame and rear derailleur in the event of an accident
- lightweight and easy to fit
- designed to fit a wide range of bikes - please see compatibility list below
- all our gear hangers are made to the equivalent quality as the original parts (OEM quality i.e. cold forged aluminum alloy 6061)
- sold with a pair of bolts
- blister carded

Please compare your hanger to the drawing at actual size (scale 1/1) to ensure the correct fitting.

For further information about gear hanger compatibility, please visit our web site at: www.vartools.com/en/derailleur-hangers.php and browse our compatibility chart of gear hangers.
118 Gear hangers
120 Gear hangers

DH-69133  DH-69134  DH-69135  DH-69136

DH-69137  DH-69138  DH-69139  DH-69140

DH-69141  DH-69142  DH-69143  DH-69144

DH-69146  DH-69147  DH-69148  DH-69149
122 Gear hangers
124 Gear hangers

DH-69206
DH-69207
DH-69208
DH-69209
DH-69210
DH-69211
DH-69212
DH-69213
DH-69214
DH-69215
DH-69216
DH-69217
DH-69218
DH-69219
DH-69220
DH-69221
126 Gear hangers

DH-69238
DH-69239
DH-69240
DH-69241

DH-69242
DH-69243
DH-69244
DH-69245

DH-69246
DH-69247
DH-69248
DH-69256

DH-69257
DH-69258
DH-69259
DH-69260
128 New products

BP-98500  P. 17
BP-98600  P. 17
BP-98700  P. 17
BP-98800  P. 17
BP-98900  P. 17
BP-03700  P. 16

RP-02701  P. 58
RP-02702  P. 58
RP-02703  P. 58
FR-07000  P. 41

RP-46300  P. 53
PR-82100  P. 85
KO-91801  P. 81

CD-04112-1  CD-04112-1.5  CD-04112-1.75  P. 5
CD-04115-1  CD-04115-1.5  P. 5
CD-04120-1  CD-04120-1.5  CD-04120-2  P. 5
VAR company has supported Team KMC-EKOI-ORBEA since 2017. Their tyre sealant proves to be efficient to ensure the airtightness of our tyres during assembly but also to seal potential punctures, because riders are always on the borderline.”

Pierre Lebreton, Team Manager