





# Index



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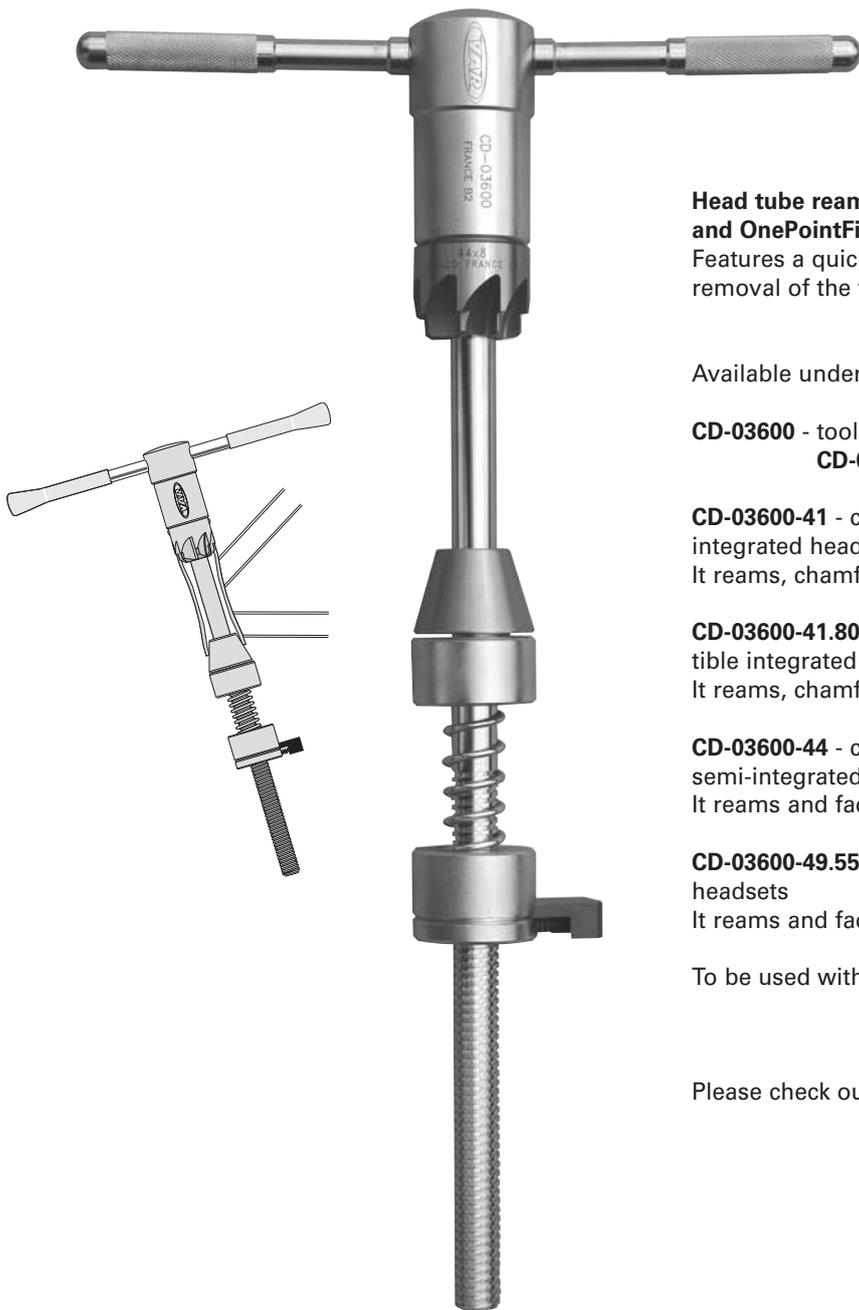
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**Head tube reaming and facing set for integrated, semi-integrated and OnePointFive headsets**

Features a quick release compression ring for fast fitting and removal of the tool and also for fine tuning of spring when used.

Available under the following specifications :

**CD-03600** - tool set without cutter and pilot (only one conical pilot **CD-03605** is included)

**CD-03600-41** - complete tool set for Cane Creek® and compatible integrated headsets  
It reams, chamfers at 45° and faces the head tube.

**CD-03600-41.80** - complete tool set for Campagnolo® and compatible integrated headsets  
It reams, chamfers at 45° and faces the head tube.

**CD-03600-44** - complete tool set for Cane Creek® and compatible semi-integrated headsets  
It reams and faces the head tube.

**CD-03600-49.55** - complete tool set for "OnePointFive" standard headsets  
It reams and faces the head tube.

To be used with cutting oil **CD-77000-00250**

Please check out the enclosed chart for further information.

**Set for 1 1/8" Cane-Creek® integrated headset**



**CD-03621-41.15** - lower cutter  
- reaming diameter : 41,15 mm  
- reaming depth : 7,2 mm  
- facing diameter : 51 mm  
- chamfer : 45°



**CD-03631-41.05** - lower pilot  
- diameter : 41,05 mm  
- depth : 7,2 mm



**CD-03622-41.15** - upper cutter  
- reaming diameter : 41,15 mm  
- reaming depth : 3,2 mm  
- facing diameter : 51 mm  
- chamfer : 45°



**CD-03632-41.05** - upper pilot  
- diameter : 41,05 mm  
- depth : 3,2 mm

### Set for 1" and 1 1/8" Campagnolo® integrated headsets



**CD-03621-41.95** - lower cutter  
 - reaming diameter : 41,95 mm  
 - reaming depth : 6,9 mm  
 - facing diameter : 51 mm  
 - chamfer: 45°



**CD-03631-41.85** - lower pilot  
 - diameter : 41,85 mm  
 - depth : 6,9 mm



**CD-03622-41.95** - upper cutter  
 - reaming diameter : 41,95 mm  
 - reaming depth : 3 mm  
 - facing diameter : 51 mm  
 - chamfer: 45°



**CD-03632-41.85** - upper pilot  
 - diameter : 41,85 mm  
 - depth : 3 mm

### Set for 1 1/8" Cane Creek® semi-integrated headset



**CD-03623-44** - reaming and facing cutter  
 - reaming diameter : 44 mm  
 - reaming depth : 8 mm  
 - facing diameter : 51 mm



**CD-03633-43.90** - pilot  
 - diameter : 43,90 mm  
 - depth : 8 mm

### Set for One Point Five standard headset



**CD-03623-49.55** - reaming and facing cutter  
 - reaming diameter : 49,55 mm  
 - reaming depth : 26,5 mm  
 - facing diameter : 62 mm



**CD-03605** - conical pilot  
 - upper diameter : 33 mm  
 - lower diameter : 54 mm  
 - inner diameter : 20,55 mm  
 - fits tool set **CD-03600** only

Type	Brand	Standard	Angular contact bearing	Item number	Tool specification	
Integrated headset	Cane Creek® and compatibles at 45° (FSA®, TH Industries®, Ritchey®, Tange®, TA JD-201289)	1 1/8" (28,6 mm)	45°	<b>CD-03600-41</b>	1 lower cutter in 41,15 x 7,2 mm 1 upper cutter in 41,15 x 3,2 mm 1 lower pilot in 41,05 x 7,2 mm 1 upper pilot in 41,05 x 3,2 mm 1 conical pilot	(CD-03621-41.15) (CD-03622-41.15) (CD-03631-41.05) (CD-03632-41.05) (CD-03605)
	Campagnolo® Hiddenset and compatibles Campagnolo® at 45° Stronglight® Light'in, Spécialités TA - JD-202289	1" (25,4 mm) 1 1/8" (28,6 mm)	45°	<b>CD-03600-41.80</b>	1 lower cutter in 41,95 x 6,9 mm 1 upper cutter in 41,95 x 3 mm 1 lower pilot in 41,85 x 6,9 mm 1 upper pilot in 41,85 x 3 mm 1 conical pilot	(CD-03621-41.95) (CD-03622-41.95) (CD-03631-41.85) (CD-03632-41.85) (CD-03605)
Semi-integrated headset	Cane Creek® and 44 mm compatibles (FSA®, TH Industries®, Spécialités TA - JD-301289)	1 1/8" (28,6 mm)		<b>CD-03600-44</b>	1 cutter in 44 x 8 mm 1 conical pilot 1 special pilot in 43,90 mm	(CD-03623-44) (CD-03605) (CD-03633-43.90)
One Point Five headset	Cane Creek® Double X Double Xc and Xc Flush FSA® Big Fat Pig 1.5R Orbit Xtreme Pro 1.5R Orbit Z 1.5R - Big Fat Pig 1.5 Orbit Xtreme PRO 1.5	1 1/8" (28,6 mm) 1 1/2" (38,1 mm)		<b>CD-03600-49.55</b>	1 cutter in 49,55 x 26,5 mm 1 conical pilot	(CD-03623-49.55) (CD-03605)



### 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

**CD-03200** - tool set without cutter

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

**CD-03200-33.8/45** - complete tool set with 33,8 mm (1 1/8") reaming cutter and 45mm facing cutter

To be used with cutting oil **CD-77000-00250**.

### Head tube reaming cutter

- fits tool set **CD-03200**
- top quality high speed steel, high precision machining and heat-treatment

**CD-03210-30** - 30 mm cutter for Ø 30,2 mm (1") cup

**CD-03210-33.8** - 33,8 mm cutter for Ø 34 mm (1 1/8") cup

**CD-03210-36.8** - 36,8 mm cutter for Ø 37 mm (1 1/4") cup

To be used with cutting oil **CD-77000-00250**.

### Head tube facing cutter CD-03220-45

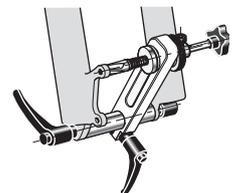
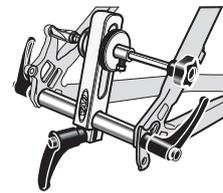
- outer diameter : 45 mm
- fits tool set **CD-03200**
- top quality high speed steel, high precision machining and heat-treatment

To be used with cutting oil **CD-77000-00250**.



### Facing tool for disc brake mounts CD-14000

- allows to precisely face frame and fork mounts to ensure perfect alignment of the brake caliper
- guided HSS-CO facing cutter **CD-14010**
- delivered with one front axle (100 mm) and one rear axle (135 mm)
- option : adapter for 20 mm hubs **CD-14020**



**Adapter for 20mm hubs CD-14020**  
Option : not included in **CD-14000**





### 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 (36 mm x24 TPI - right hand)
- chrome plated steel

**CD-38200** - bottom bracket tool set without tap

**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 36 mm x24 TPI (right hand)

To be used with cutting oil **CD-77000-00250**.

### 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

To be used with cutting oil **CD-77000-00250**.



### Bottom bracket facing set CD-38300-45

Highly recommended when you have to cut a large amount of material for example, to convert a bottom bracket shell from 73 mm to 68 mm.

- to face both sides of the bottom bracket shell
- equipped with facing cutter CD-38310-45 in high quality HSS steel
- CNC machined tool set
- chrome plated steel

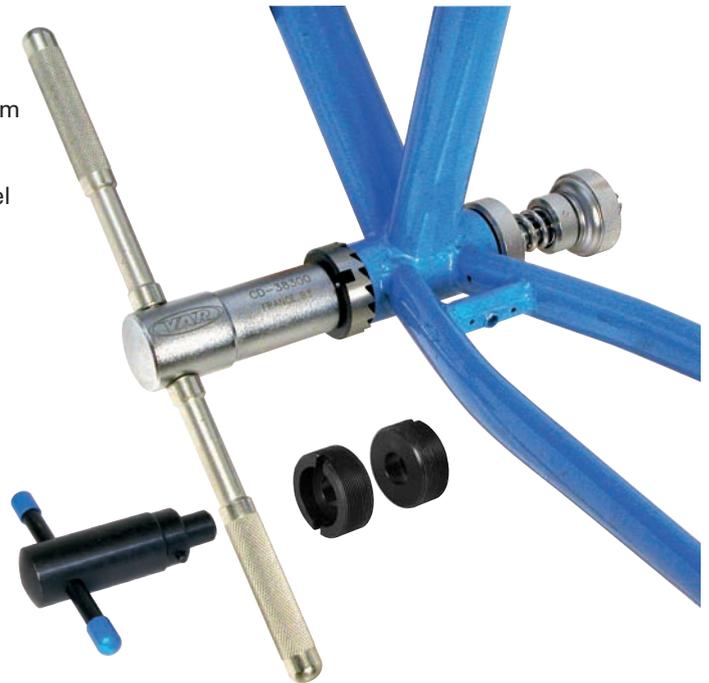
**CD-38300** - bottom bracket tool set without cutter

**CD-38300-45** - bottom bracket facing set with 45 mm cutter

To be used with cutting oil **CD-77000-00250**.

**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)



### Bottom bracket facing cutter CD-38310-45

- fits bottom bracket facing set **CD-38300-45**
- 45 mm outer diameter
- CNC machined and hardened high speed steel
- To be used with cutting oil **CD-77000-00250**.

### 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

To be used with cutting oil **CD-77000-00250**.





### Expanding seat tube reamer

- 6 hardened high speed steel blades



Item number	Tool description	Compatible tap handle
CD-04510-23/26	for tube of inner diameter 23-26 mm	DV-04330
CD-04520-23/26	for tube of inner diameter 23-26 mm equipped with an extension	
CD-04510-26/29.5	for tube of inner diameter 26-29,5 mm	DV-04340
CD-04520-26/29.5	for tube of inner diameter 26-29,5 mm equipped with an extension	
CD-04520-29.5/33.5	for tube of inner diameter 29,5-33,5 mm equipped with an extension	

CD-04511-23/26 - set of 6 HSS blades for reamers Ø 23-26mm

CD-04521-26/29.5 - set of 6 HSS blades for reamers Ø 26-29,5mm

CD-04531-29.5/33.5 - set of 6 HSS blades for reamers Ø 29,5-33,5mm

To be used with cutting oil CD-77000-00250



### Frame taps

- to cut small threads in the frame

- precision ground and hardened high speed steel

- fit tap handle DV-04310

To be used with cutting oil CD-77000-00250.

Item number	Tool description
CD-04100-03 1 tap	3mmx0,5 for rear wheel drop-out alignment screws
CD-04100-05 set of 2 taps	5mmx0,8 for water bottle, toe clip, fender and rack bosses
CD-04100-06 set of 2 taps	6mmx1 for cantilever brakes and large fender bosses
CD-04100-10 set of 2 taps	10mmx1 for derailleur hanger



### High-quality cutting oil CD-77000-00250

- 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

- 250 ml aerosol



### Derailleur hanger repair kit CD-13000

Drill into the old threading in gear hanger using 12 mm 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.



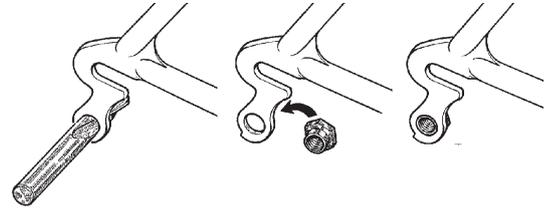
The kit features :

- 1 HSS steel ground flute twist drill of 12 mm with shank 6x22mm
- 3 hex nuts of 4,95 mm
- 3 hex nuts of 5,85 mm
- delivered in a compartmented plastic box



CD-13002-4.95 - bag of 5 hex nuts of 4,95 mm

CD-13002-5.85 - bag of 5 hex nuts of 5,85 mm



### Derailleur hanger alignment gauge CD-13900

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

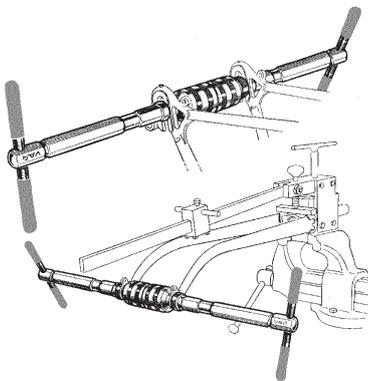
CD-13908 - replacement threaded spindle

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

- 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



### Frame and fork straightener CD-36700

- to straighten frames, forks, cranks and handlebars

- long handle for powerful leverage

- vinyl coated hooks gives perfect enamel protection

- hook adjustment on 20 cm



### Frame alignment gauge CD-71400

- checks frame alignment quickly and accurately at the drop-out
- retractable pointer fits all sizes and kinds of bikes





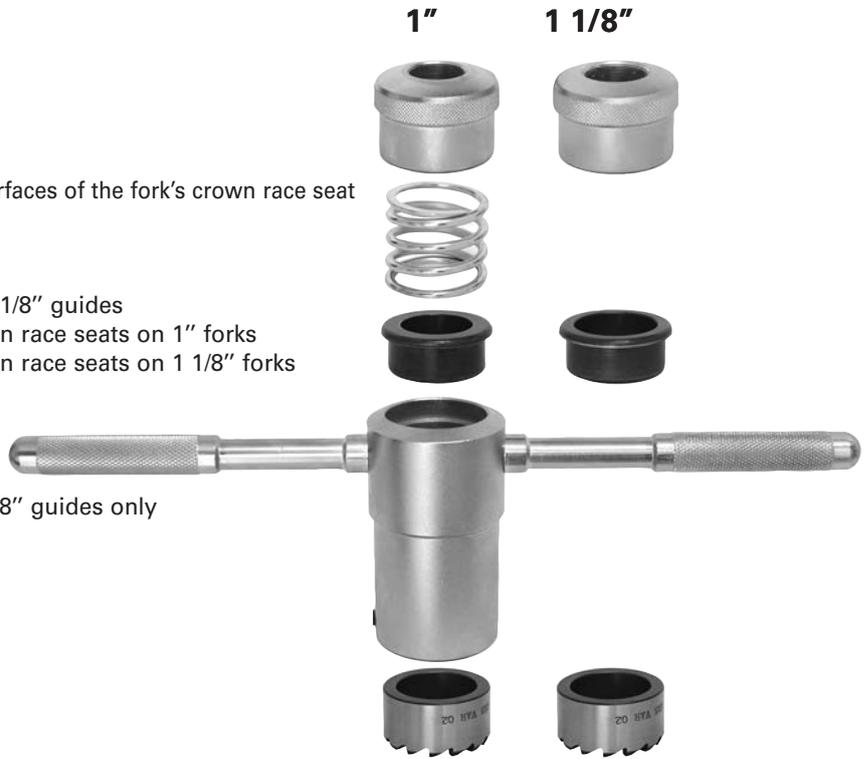
**Fork crown race cutting set FH-96300-26.5/30.1**

- to accurately mill both the outer edge and lower surfaces of the fork's crown race seat
- CNC machined alloy tool steel

The tool includes :

- 1 body/handle assembly **FH-96300** with 1" and 1 1/8" guides
- 1 cutter **FH-03810-26.5** to machine 26,5 mm crown race seats on 1" forks
- 1 cutter **FH-03810-30.1** to machine 30,1 mm crown race seats on 1 1/8" forks
- 1 tension nut of 1"
- 1 tension nut of 1 1/8"
- 1 tension spring

**FH-96300** - body/handle assembly with 1" and 1 1/8" guides only  
To be used with cutting oil **CD-77000-00250**.



**Milling cutter**

- high speed steel cutter
- CNC machined and hardened
- To be used with cutting oil **CD-77000-00250**.

Item number	Tool description	VAR compatible fork cutting set
<b>FH-03810-26.4</b>	Ø 26,4 mm single cutter	<b>FH-96300-26.5/30.1</b>
<b>FH-03810-26.5</b>	Ø 26,5 mm single cutter	<b>FH-96300-26.5/30.1</b>
<b>FH-03810-30.1</b>	Ø 30,1 mm single cutter	<b>FH-96300-26.5/30.1</b>
<b>FH-03810-30.2</b>	Ø 30,2 mm single cutter	<b>FH-96300-26.5/30.1</b>
<b>FH-03310-26.4/26.5</b>	Ø 26,4-26,5 mm double cutter	<b>33 AC</b>
<b>FH-03310-26.5/27.2</b>	Ø 26,5-27,2 mm double cutter	<b>33 AC</b>
<b>FH-03310-26.6/27.1</b>	Ø 26,6-27,1 mm double cutter	<b>33 AC</b>
<b>FH-03310-27.1/27.1</b>	Ø 27,1-27,1 mm double cutter	<b>33 AC</b>
<b>FH-03310-27.2/27.2</b>	Ø 27,2-27,2 mm double cutter	<b>33 AC</b>

**Fork column die stock**

- to cut new threads or chase existing threads on fork columns that are not chromed
- delivered without die but with 1" (**FH-04003-1**) and 1 1/8" (**FH-04003-1.1/8**) guides
- CNC machined
- chrome plated steel
- compatible with any VAR headset die

**Caution** : you must remove the chrome before using any die.  
Otherwise the die will dull very quickly and compromise performance.

- FH-04000** - body / handle assembly with 1" and 1 1/8" guides
- FH-04000-1** - complete die stock with 1" guide and die
- FH-04000-1.1/8** - complete die stock with 1 1/8" guide and die
- FH-04003-1** - 25,4 mm replacement guide
- FH-04003-1.1/8** - 28,6 mm replacement guide
- To be used with cutting oil **CD-77000-00250**.



### Headset die

- high speed steel cutting die
- CNC machined



There are 2 dies designed for chasing existing threads (SH treatment) :

**FH-04010-1** - 1"x24 TPI die (25,4 mm)

**FH-04010-1.1/8** - 1 1/8"x26 TPI die (28,6 mm)

and 2 dies for cutting new threads (TICN treatment) :

**FH-04020-1** - 1"x24 TPI die (25,4 mm)

**FH-04020-1.1/8** - 1 1/8"x26 TPI die (28,6 mm)



Our handle assembly **FH-04000** fits any VAR headset die.

### Caution :

- remove chrome before using the die not to dull it
- always apply cutting oil **CD-77000-00250** before and during any cutting operation.

### Universal fork clamp FH-92700

- holds tight the fork to cut threads, mill and face the fork's crown race seat, make many maintenances on suspension forks ...
- 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 enamel



Option : Adapter kit to work on forks with 20 mm through axles **FH-92720**



### Fork column cutting guide FH-92900

- for a clean cut perfectly square with the axis of the threaded or threadless fork column
- delivered with a set of 1" (25,4 mm) and 1 1/8" (28,6 mm) rings
- hardened alloy tool steel
- chrome plated steel



**FH-92902-1** - 25,4 mm replacement ring

**FH-92902-1.1/8** - 28,6 mm replacement ring



### Expanding reamer for fork column FH-93800

- useful for proper stem assembly
  - for fork columns of inner diameter from 21 to 24 mm
  - 6 hardened high speed steel blades
- To be used with cutting oil **CD-77000-00250**.

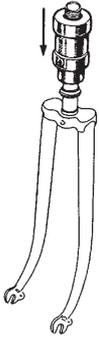




**Headset cup press DR-03400**

- aligns and presses quickly and accurately both upper and lower headset cups into the head tube
- stepped bushings accurately fit 1" and 1 1/8" headset cups
- quick-release press ring for instant fitting and removal
- CNC machined tool quality steel
- chrome plated steel

**DR-03410** - set of two 1" and 1 1/8" stepped bushings



**Fork crown race setting tool**

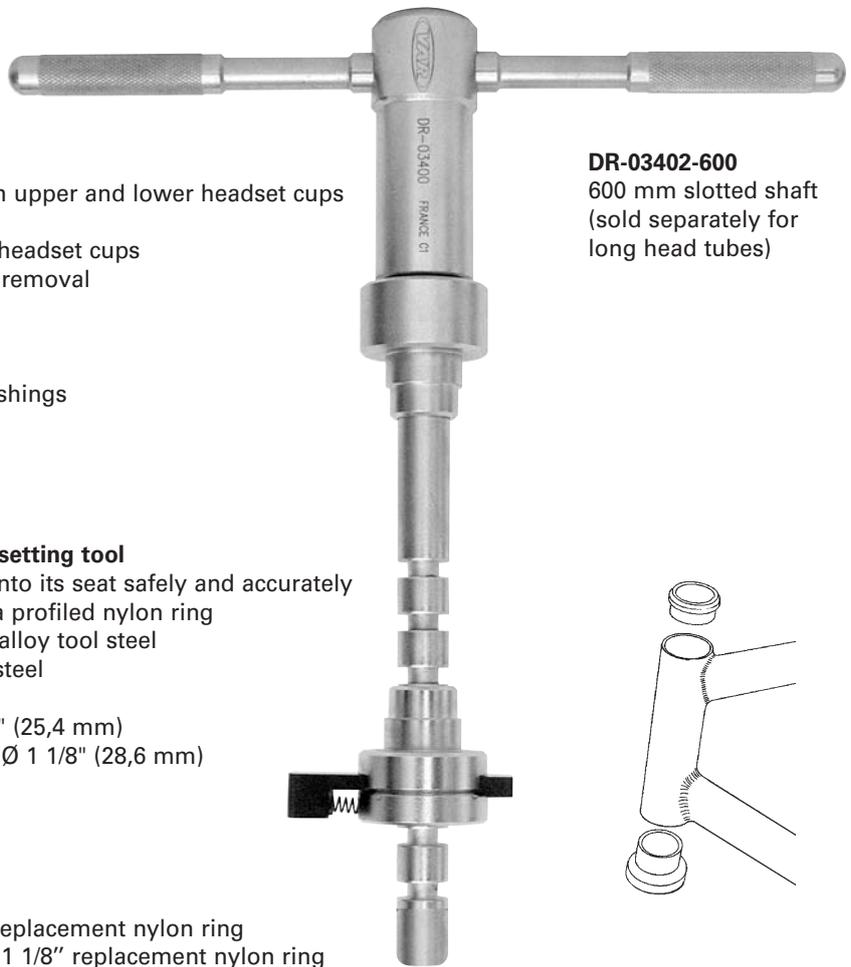
- to set the race into its seat safely and accurately
- equipped with a profiled nylon ring
- CNC machined alloy tool steel
- chrome plated steel

**DR-14600-1** - Ø 1" (25,4 mm)

**DR-14600-1.1/8** - Ø 1 1/8" (28,6 mm)

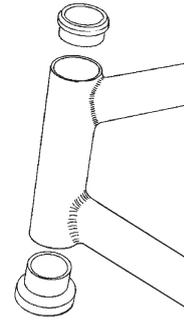
**DR-14603-1** - 1" replacement nylon ring

**DR-14603-1.1/8** - 1 1/8" replacement nylon ring



**DR-03402-600**

600 mm slotted shaft  
(sold separately for long head tubes)



**Pliers for headset cups with milled edge DR-07800**

- slotted jaws
- drop-forged and hardened high quality tool steel
- chrome plated steel



**Professional headset wrench**

- to hold the upper headset cup

- high-precision laser cut
- 4mm thickness
- eye-catching aluminum oval shaped handle only available in 30, 32, 34, 36, 40 and 42 mm
- 35 mm wrench is not laser cut and is available with a steel tube only
- hardened alloy tool steel
- chrome plated steel



- DR-16200-30** - 30 mm opening
- DR-16200-32** - 32 mm opening
- DR-16200-34** - 34 mm opening
- DR-16200-35** - 35 mm opening
- DR-16200-36** - 36 mm opening
- DR-16200-40** - 40 mm opening
- DR-16200-42** - 42 mm opening

### Headset cup remover

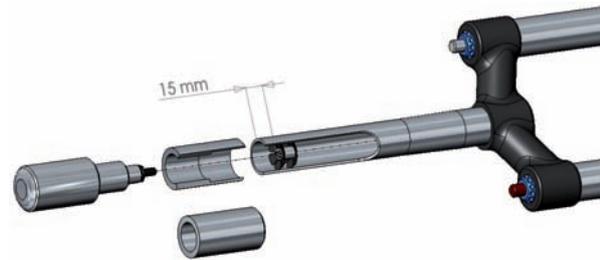
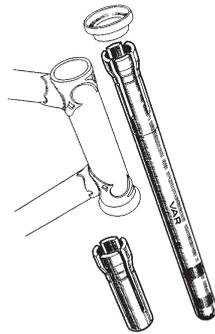
- to easily remove headset cup from head tube
- removable and expanding grip is made from hardened alloy tool steel

**DR-37200-1** - 1" headset cup remover (25,4 mm)

**DR-37200-1.1/8** - 1 1/8" headset cup remover (28,6 mm)

**DR-37203-1** - 1" replacement grip only (25,4 mm)

**DR-37203-1.1/8** - 1 1/8" replacement grip only (28,6 mm)



### 1" & 1 1/8" star nut installation tool set DR-95500

- quickly and accurately installs star nuts in threadless steerers at the correct depth and alignment
- delivered with 2 guide tubes
- hardened double-ended stud (removable)

**DR-95602** - replacement bolt



### 30x32x36x40 mm headset wrench DR-98200

- to adjust, fit and remove headsets
- jaws are precision cut for proper fitting
- hardened alloy tool steel
- chrome plated steel





### Fork crown race remover

- to quickly remove the headset crown race from the crown race seat of 1", 1 1/8" and 1 1/4" old generation forks
- drop-forged and hardened chrome-molybden steel
- chrome plated steel

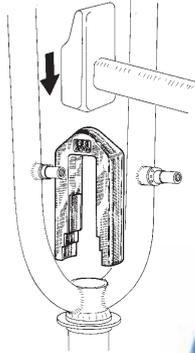


There are 2 types of fork crown race removers :

**DR-98310** - for old types of standard headsets

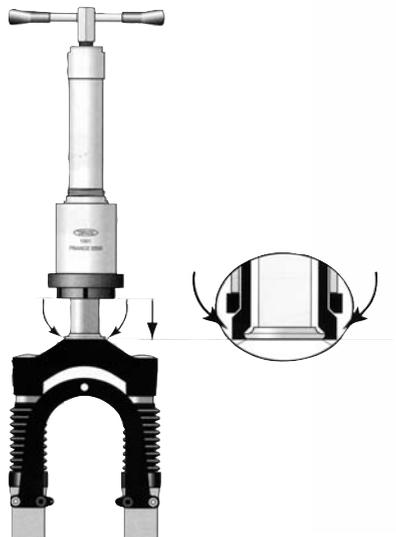
**DR-98320** - for 1", 1 1/8" and 1 1/4" Shimano® cartridge headsets excepted some suspension forks of new generation

**DR-10100** is recommended to easily remove headset crown races that are smaller than the fork seat



### Fork crown race extractor DR-10100

- precision tool to quickly and cleanly remove the headset crown race from the crown race seat of the fork
- works great with 1" and 1 1/8" suspension and rigid forks (specially carbon fiber and aluminum racing forks)
- delivered with an extension tube to work on longer steering columns
- CNC machining
- jaw is made of hardened alloy tool steel
- chrome plated steel

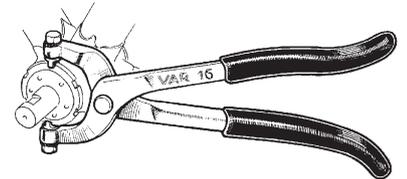




**Adjustable peg spanner BP-01300**

- 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-01307-2** - bag of 2 replacement pins



**Bottom bracket lock ring pliers BP-01600**

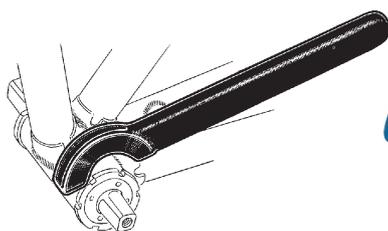
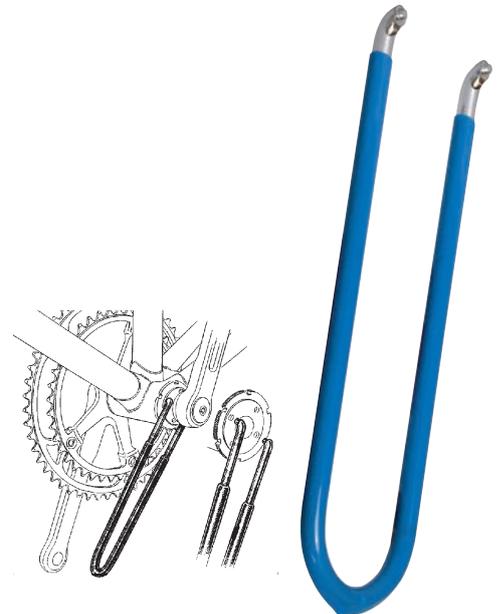
- to adjust the locknut on old type bottom brackets
- 2 setting positions
- pins are made of hardened alloy tool steel

**BP-01606-2** - bag of 2 pins



**Adjustable peg spanner BP-92600**

- to easily adjust the adjusting cup on most old type bottom brackets
- hardened alloy tool steel
- vinyl coated for comfort



**Bottom bracket lock ring spanner BP-30200**

- 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



### Bottom bracket fixed cup tool BP-03000-35.1/36.1

- 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-03000** - tool set without jaw

Available as accessories :

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

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

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

**BP-03005-16.1** - 16,1 mm jaw for Raleigh®



### Bottom bracket tool for Campagnolo® BP-41400

- 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



### Pedal and bottom bracket tool BP-60000

- to fit and remove the "star shaped" cartridge cups on Shimano® BBUN 10, Sachs®, Campagnolo® Veloce®, Mirage®, Xenon®, Centaur®, Daytona®, Avanti®, Ofmega®, Thun® SKF® and FAG® sealed cartridge bottom brackets
- 15x17 mm pedal wrench
- hardened alloy tool steel



### Pedal and bottom bracket tool BP-60200

- for fitting and removal of Shimano® Hollowtech II® (XTR, Saint, Deore XT, Hone, LX, Dura Ace 10 speed, Ultegra), Truvativ Giga X-Pipe, RaceFace X-type, FSA Megaexo and Campagnolo Ultra-Torque and Stronglight Pulsion Activ Link bearing bottom brackets
- 15x17mm pedal wrench
- hardened alloy tool steel



### Pedal and bottom bracket tool BP-60300

- 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



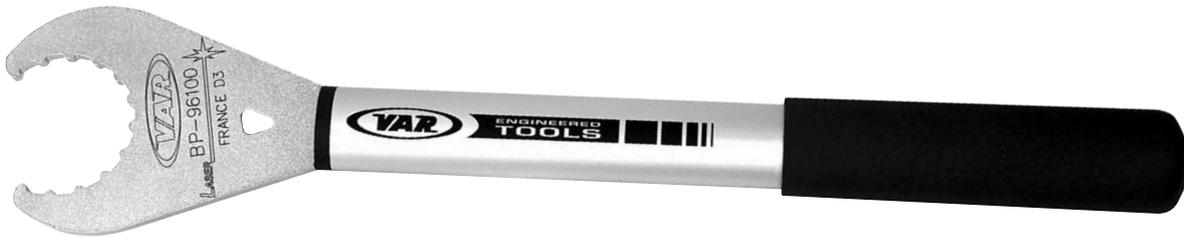
**Professional bottom bracket tool for Campagnolo® BP-95200**

- to fit and remove the "star shaped" cartridge cups on Shimano® BBUN 10, Sachs®, Campagnolo® Veloce®, Mirage®, Xenon®, Centaur®, Daytona®, Avanti®, Ofmega®, Thun®, SKF®, and FAG® sealed cartridge bottom brackets
- high precision laser cut for accurate fit
- adaptor with threaded axle and 3 alignment tabs to hold the wrench against the cup to prevent from slipping out
- hardened alloy tool steel



**Professional wrench for Shimano® Hollowtech II® bottom brackets BP-96100**

- 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
- new design with aluminum oval shaped handle
- laser cut and hardened CR-VA steel



**Bottom bracket tool for Shimano® Hollowtech II® BP-99800**

- for fitting and removal of Shimano® (XTR®, Saint®, Deore XT®, Hone®, LX®, Dura Ace® 10 speed, Ultegra®), Truvativ® Giga X-Pipe, Race Face® X-type, FSA® Megaexo cartridge bearing bottom brackets
- cold forged and hardened CR-VA steel
- to be used with torque wrench DV-10500 (19-110Nm)



**Bottom bracket tool for Shimano® XTR® BP-99500**

- 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 locking on Shimano® XTR®, XT®, LX®, and STX-RC® with guide PE-99501 (not included)
- 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-99625

BP-99630

**BP-99600 - bottom bracket tool only**

- to be used with torque wrench DV-10500 (19-110 Nm)

**BP-99620 - bottom bracket tool with a spring loaded threaded axle to hold the tool against the cup**

**BP-99625 - replacement tool for BP-99630**

**BP-99630 - professional bottom bracket tool**

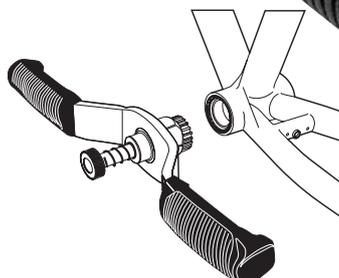
**BP-99620 with double handle assembly**



BP-99620



BP-99600





### Crank extractor with M8/M14/M15 rotating tip PE-01000

- 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



### 22 and 23 mm crank extractor PE-39300

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

### M8/M15 crank extractor adapter for billet spindles PE-39500

- 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



Both crank extractors are not delivered with adapter PE-39500



### Professional crank bolt wrench PE-95000

- 14 and 15 mm sockets
- drop-forged and hardened industrial quality chrome vanadium steel
- chrome plated steel

### Crank arm repair kit PE-11000

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 24 mm x1,5 threads.

Then thread special 24 mm x 1,5 extractor to remove the crank arm.

Finally, fit one of those special 24 mm dust caps into new threads.

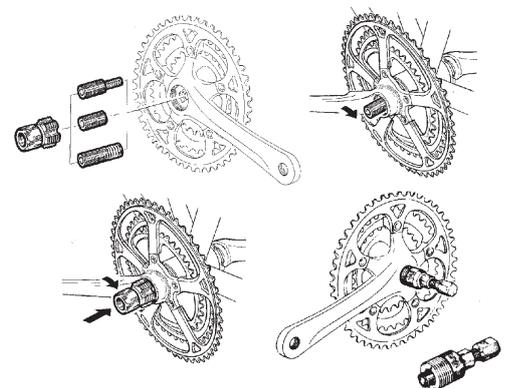


The kit includes :

- 3 tapping pilots (bolt, nut and splined « Pipe Billet » types)
- 1 tap in 24 mm x 1,5 made from hardened high speed steel
- 1 special crank extractor in 24 mm x 1,5
- 4 aluminum dust caps
- 4 hex fixing bolts of 8mm
- 1 M8/M15 crank extractor adapter 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-77000-00250





**8mm hex wrench for chainring PE-09600-08**

- to fit and remove crank bolts from crank arms
- precision chamfered tip for a clean and tight fit
- ergonomic composite handle for an excellent comfort
- hardened industrial quality chrome vanadium steel

**Roller for Shimano® Hollowtech II crank arm adjustment cap PE-60220**

- engages the 8 internal splines of the Shimano® Hollowtech II crank arm adjustment cap
- nylon reinforced with fiberglass



**Set of 2 crank taps**

- to clean out or restore damaged threads in crank arms
- fits tap handle **DV-04320**
- precision ground
- hardened alloy tool steel

**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-77000-00250**.

**Crank repair kit PE-04700**

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 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**.

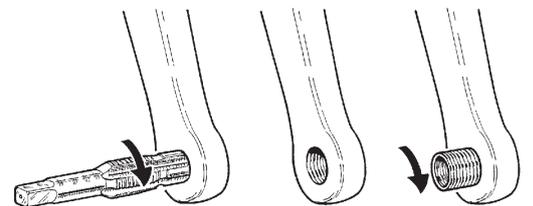
The kit includes :

- 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

To be used with cutting oil **CD-77000-00250**



**15x17mm professional pedal wrench PE-65000**

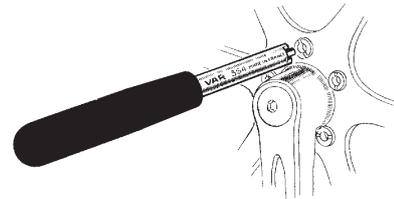
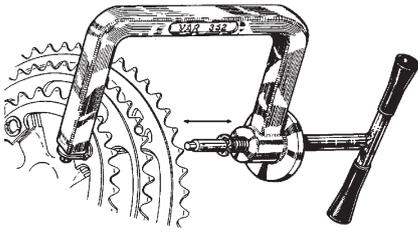
- new design with aluminum oval shaped handle
- high precision laser cut for an accurate fit
- long handle gives an excellent leverage
- hardened Industrial quality chrome vanadium steel
- chrome plated steel



### Combined tool for chainring bolts PE-35200

- holds nut while tightening chainring bolt with the 5mm hex wrench
- compatible with double chainrings
- investment cast aluminum tool
- 5 mm hex wrench is made from hardened alloy tool steel

PE-35202 - replacement blade



### Tool for chainring bolts PE-35400

- screwdriver type tool to tighten chainring bolts
- new design with aluminum oval shaped handle
- hardened industrial quality chrome vanadium steel



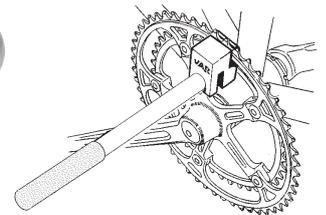
### Chainring bolt wrench PE-35300

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



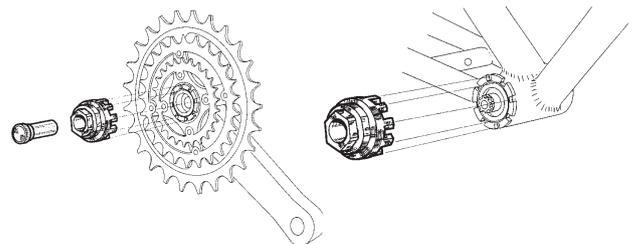
### Chainring straightener PE-94000

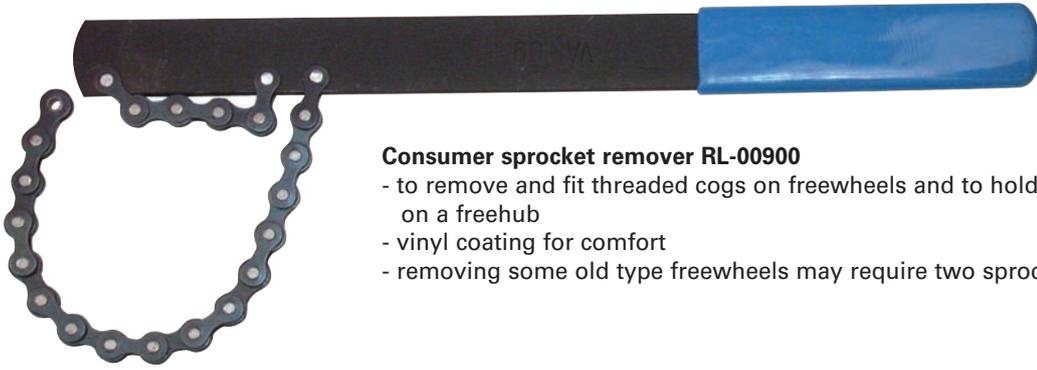
- narrow slot for straightening chainrings and wide slot for spider arms, dropouts, ...
- hardened alloy tool steel
- chrome plated steel



### Chainring tool for Shimano® PE-99500

- 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) and Truvativ® ISIS Drive sealed cartridge bottom brackets
- hardened industrial quality chrome vanadium steel
- industrial phosphate finish





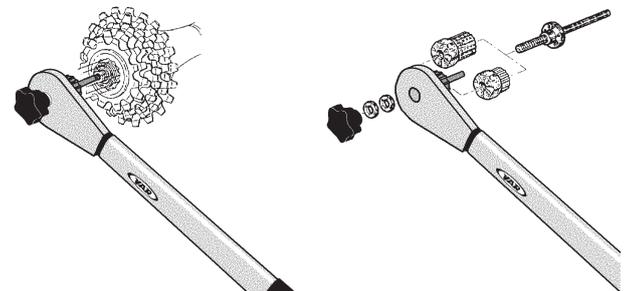
**Consumer sprocket remover RL-00900**

- to remove and fit threaded cogs on freewheels and to hold a cassette for locking removal on a freehub
- vinyl coating for comfort
- removing some old type freewheels may require two sprocket removers



**Professional sprocket remover RL-27000**

- design with aluminum oval shaped handle
- 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
- compatible with new 9 and 10 speed cassettes
- high precision laser cut and hardened tool steel
- equipped with SRAM®'s narrow chain
- to be used with freewheel remover wrench **RL-40000**



**Freewheel remover wrench**

- design with aluminum oval shaped handle
- removable pilot to prevent from slipping out of the splines of the cassette locking
- compatible with the following freewheel removers only :
  - 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®
- 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 lockrings



### 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**



**RL-40200** for 4 notch ACS® BMX freewheels 14/15 teeth  
Compatible with 14 mm 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-40700** for old type splined Atom® freewheels



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



**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**



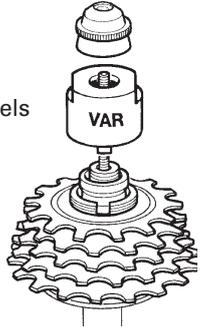
**RL-41500** for splined Falcon® freewheels type FW-L804, FW-L80, FW-L704, FW-L70, FW-L604 and FW-L60



**RL-41600** for Shimano® UG®, Sachs Aris and Campagnolo® freewheels  
Features a guide pin and a 1/2" square to be used with torque wrench **DV-10500**



**RL-41700** for Maillard "Hélicomatic" and "Super Plus" freewheels





**RL-95100** for splined Maillard Aris MTB freewheels



**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**

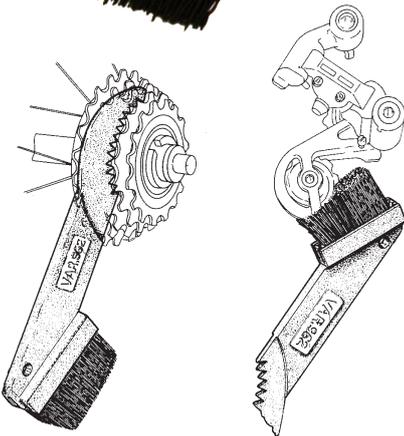
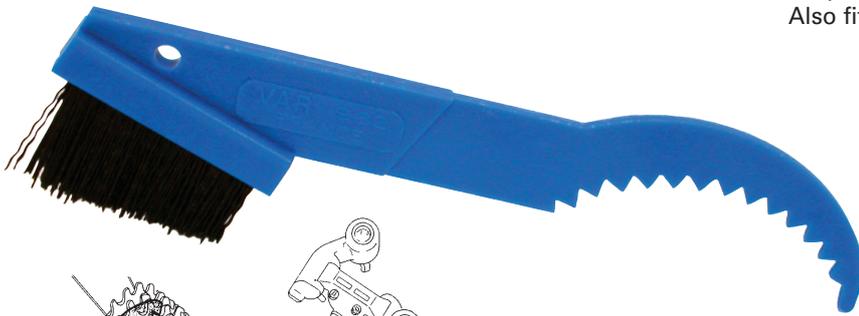
Also fits Shimano® disc brake lockrings



**RL-98000** for Shimano® Hyperglide®, SRAM® and Mavic® cassette lockrings

Features a guide pin and a 1/2" square to be used with torque wrench **DV-10500**

Also fits Shimano® disc brake lockrings



**Gear and chain cleaning brush RL-96200**

- to clean chains, brakes, derailleurs and spaces between the cogs thanks to his curved and toothed end
- brush made of sturdy nylon fiberglass reinforced
- saves wear and tear on chain and cassette

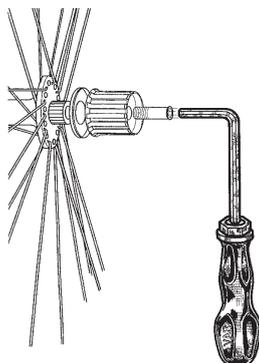
**Hex wrench for freehub bolt**

- 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 composite handle for an excellent comfort
- hardened industrial quality chrome vanadium steel

**RL-09600-10** - 10 mm hex wrench

**RL-09600-11** - 11 mm hex wrench

**RL-09600-12** - 12 mm hex wrench





**Compact chain rivet tool CH-04000**

- compatible with Shimano chains including HG, and IG, SRAM and Campagnolo,
- made from investment cast steel
- heavy-duty construction but light and compact to fit a saddle bag
- pin is made from hardened chrome vanadium steel (available in early 2008)

**Expert chain rivet tool CH-05000**

- fits any 7, 8, 9 and 10 speed road and MTB chains including Shimano HG, and IG, SRAM, Campagnolo,
- chain support to hold the chain perfectly
- comfortable grip provided by its ergonomic design
- made from investment cast steel
- pin is made from hardened chrome vanadium steel



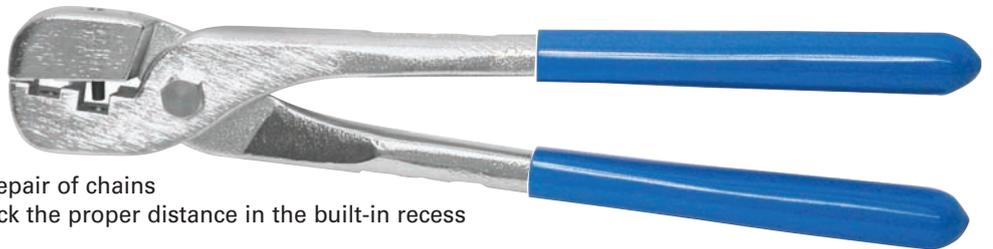
CH-05001 – replacement pin



**Professional chain tool for Shimano® Hyperglide® CH-05800**

- new design with aluminum oval shaped handle
- long chain support shelf for perfect chain fitting
- investment cast tool steel and chromed plated tool
- threaded axle is made from hardened alloy tool steel (available in early 2008)

CH-05608-5 - bag of 5 pins



**Professional chain pliers**

- for fast and easy removal, fitting and repair of chains
- the travel adjusts to return the rivet back the proper distance in the built-in recess
- also works on 9 speed chains.
- drop-forged and chrome plated steel
- pin is made from hardened alloy tool steel

CH-30310 - pliers wider 3/32"

CH-30320 - most chains including Shimano® HG® & IG® and SRAM®

CH-30313-5 - bag of 5 pins

CH-30327 - adaptateur



**Chain rest CH-90700**

- 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
- CNC machined aluminum



**Chain rest and rear dropout axle CH-90800**

- to fit between dropouts for holding chain tension when rear wheel is removed
- recommended for bike transport when wheel is removed
- avoid accidental frame compression
- compatible with road frames (130mm) and mountain bike frames (135mm)
- quick fitting and locking without any key
- fiberglass reinforced nylon body and CNC machined axle



**Professional axle and pedal vise RP-01200**

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



**Axle vise RP-01400**

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



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

**Professional spoke wrench 13 gauge RP-05100-13**

- to adjust spoke tension on gauge 13 nipple (3,30 mm)
- semi-box design to prevent from slipping off from nipple
- hardened industrial quality chrome vanadium steel



**Universal spoke wrench RP-05400**

- to adjust tension spoke on gauge 13, 15, 16, 17, 18 and 19 nipples
- hardened alloy tool steel



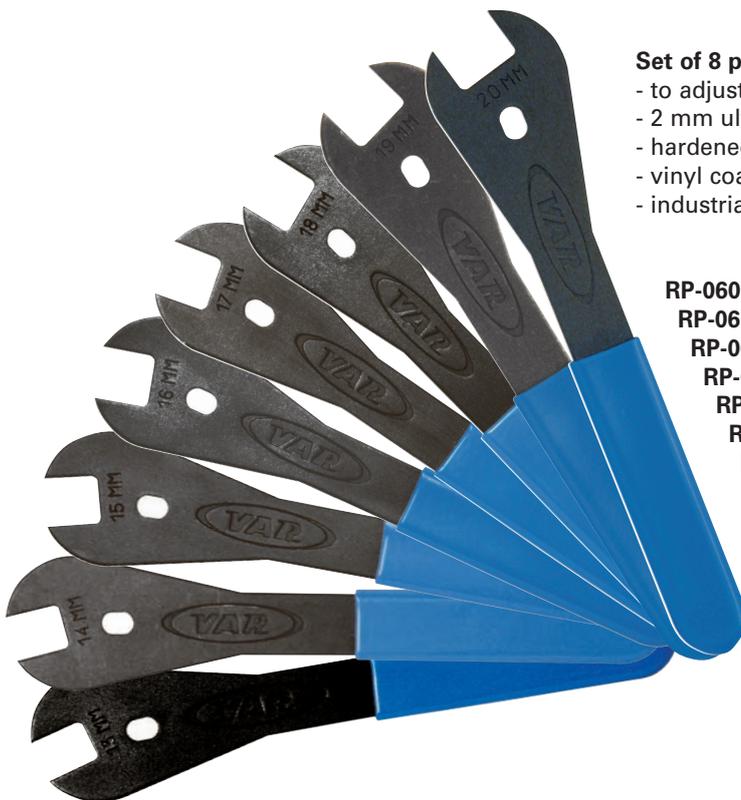
**Set of 2 consumer cone wrenches RP-05700**

- to adjust 13, 14, 15, 16, 17 and 18 mm hub cones
- 2 mm ultra thin heads and precise openings
- hardened alloy tool steel
- industrial phosphate finish



**Set of 8 professional cone wrenches RP-06000-13/20**

- to adjust hub cones from 13 up to 20 mm
- 2 mm ultra thin heads and precise openings
- hardened alloy tool steel
- vinyl coating for an excellent comfort
- industrial phosphate finish



- 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



### Spoke and nipple gauge RP-26800

- metric and english markings
- to quickly measure ball bearing and nipple sizes and spoke lengths and thickness
- stainless steel
- conversion table in both mm and inch (at the backside of the ruler)
- engraved, to 350mm

### Professional combined spoke wrench RP-25510

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

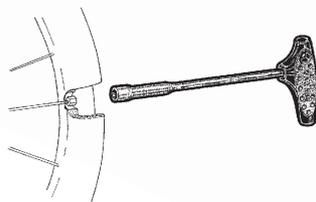
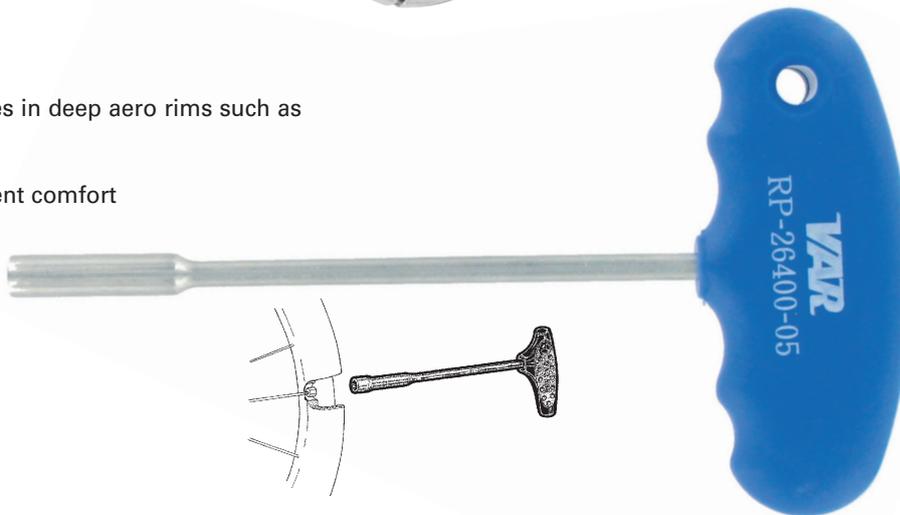


### Hex socket spoke wrench

- to adjust deep recessed nipples in deep aero rims such as Mavic®, Campagnolo®, ...
- hardened alloy tool steel
- T-shaped handle for an excellent comfort

RP-26400-05 - 5 mm wrench

RP-26400-05.5 - 5,5 mm wrench



### Automatic screwdriver for spoke nipples RP-26300

- ideal for rapid deep rim wheel assembly
- works on helicoidal rail
- removable blade with locking system

RP-26301 - replacement blade



### Spoke nipple driver RP-26500

- quickly thread nipples to the point where tensioning begins
- to be used with electric drill
- CNC machined and hardened nickel chrome steel
- pins are made from hardened alloy tool steel

RP-26502 - replacement pin



RP-26500

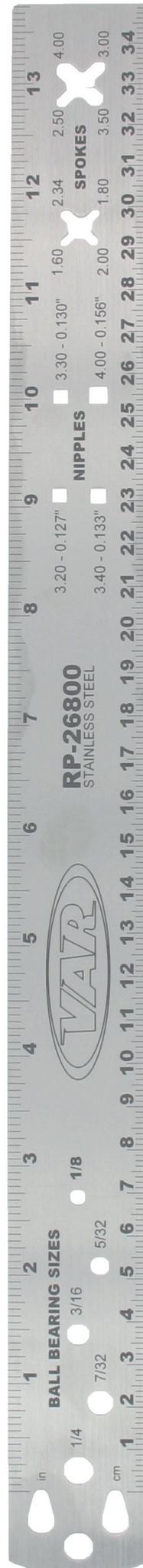
### Spoke nipple driver RP-26600

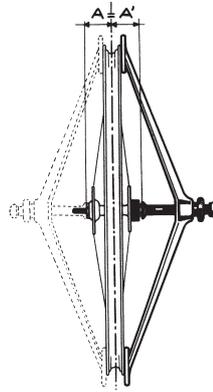
- quickly thread nipples to the point where tensioning begins
- to adjust deep recessed nipples in deep aero rims such as Mavic®, Campagnolo®, Gipiemme, Rigida, ...
- 6mm hexagonal body to be used with electric drill
- CNC machined and hardened nickel chrome steel
- pins are made from hardened alloy tool steel

RP-26502 - replacement pin



RP-26600





**Wheel alignment gauge RP-14300**

- deep capacity sliding gauge to fit all hub widths
- fits any rim from 20 to 27"
- cast aluminum tool
- durable powder coat finish



**Professional pliers for cutting spoke ends RP-01710**

- to cut off spoke ends into the rim
- pins are made from hardened alloy tool steel
- vinyl coating for an excellent comfort
- chrome plated steel

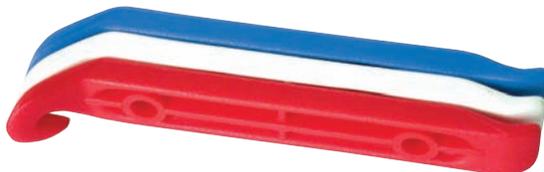
**RP-01714**

set of 2 upper and lower pins



**Plier for removing tyres and inner tubes from internal gear hub RP-43200**

- quick and easy to avoid rear wheel removal
- comfortable long handles
- spring-loaded locking system for holding the opening of the tool
- large dropouts
- specially designed for steel frame city bikes



**Set of 3 nylon tyre levers RP-42800**

- nylon reinforced with fiberglass
- thin tips for easy insertion below the tyre
- clipable for easy storage



**Nylon tyre lever system RP-42500**

- 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



**Inner tube repair kit RP-44000**

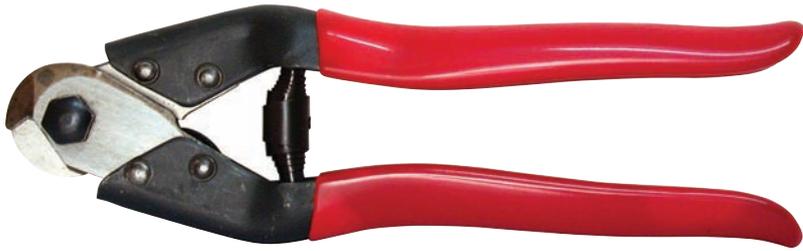
The kit includes :

- 3 round 15mm patches
- 3 round 25mm patches
- 1 tube of cold vulcanizing fluid (glue)
- 1 sand paper

**Air inflator with gauge RP-80400**

- special for compressor
- universal hose for bicycle, moped and motorcycle tyres





**Consumer cable cutter FR-07900**

- triangular clean cut
- hardened alloy tool steel
- not convenient for cutting spokes and SIS type gear housings
- vinyl coating for excellent comfort



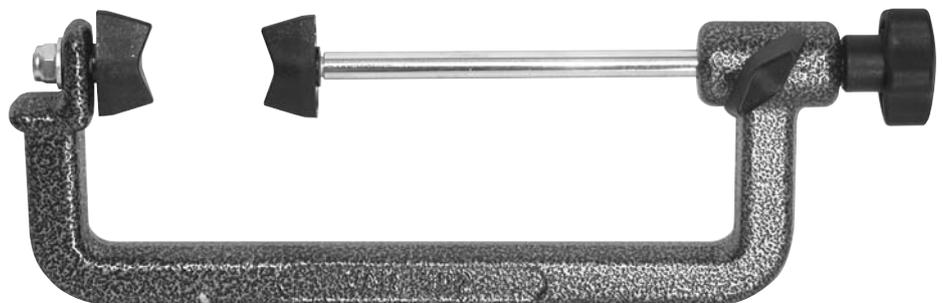
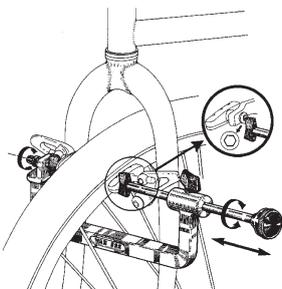
**Professional cable and housing cutter FR-99000**

- very strong and sharp long-lasting jaws for cutting cables and SIS housings without squashing
- features a center forming hole to reshape the outer housing end
- high grade hardened alloy tool steel
- sturdy rubber handles for excellent comfort



**Professional cable stretcher FR-23300**

- 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



**Universal brake tool FR-99200**

- designed to be used on virtually all caliper and cantilever brakes
- can be used on many different parts of brakes (shoe, mounting bolt, ...)
- squeeze sliding axle with V-shaped part and turn knob to lock in place
- powder coated cast aluminum

**Disc brake rotor straightener FR-29900**

- 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-14000** (page 4)



**Brake and derailleur wrenches**

- hardened drop-forged steel
- chrome plated steel

**FR-93600-08/09** - 8x9 mm wrench

**FR-93600-10/11** - 10x11 mm wrench

**Box of 200 cable end caps**

- for a touch of finish after cut and avoid injuries
- made from aluminum

**FR-01730** - for derailleur cable from Ø1,2 to 1,5 mm

**FR-01740** - for brake cable from Ø 1,8 to 2 mm



**Cable end cap crimper FR-01720**

- works for both derailleur and brake cable end caps
- drop-forged and chrome plated steel

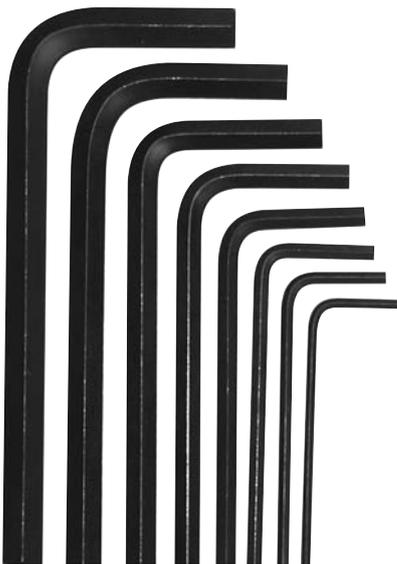
**FR-01721** - bag of 2 pins





**3-way hex wrench CL-09001**

- 4 / 5 / 6 mm wench
- ergonomic shape provides comfort and tremendous leverage
- chamfered tips for a perfect fit
- hardened high grade industrial steel



**Set of 8 hex wrenches CL-09500-02/08**

- wrenches of 2/2,5/3/4/5/6/7/8 mm
- hardened industrial quality chrome vanadium steel
- also available separately



**Set of 7 hex wrenches CL-09700-02/08**

- shop quality wrenches of 2/2,5/3/4/5/6 and 8 mm
- magnetic tips for keeping track of hex screws
- comfortable dual density molded handle
- hardened industrial quality chrome vanadium steel



**Set of 7 hex ball-end wrenches CL-09800-02/08**

- shop quality wrenches of 2/2,5/3/4/5/6 and 8 mm
- magnetic tips for keeping track of hex screws
- comfortable dual density molded handle
- hardened industrial quality chrome vanadium steel

**Set of 8 Torx wrenches CL-09900-07/40**

- T7 / T10 / T15 / T20 / T25 / T27 / T30 / T40 wrenches
- magnetized tips
- dual density handle for excellent comfort
- hardened industrial quality chrome-vanadium steel





### Home mechanic tool kit KO-91000

The home mechanic tool kit **KO-91000** includes all the major bike tools needed to repair and maintain most current model bikes.

Sturdy Cordura®, carrying case features 17 assorted nylon and mesh storage pockets. Durable buckle to hold it all together.

Features two grommets for hanging open on wall.

Ideal for bringing to the races or to rides for last minute repairs

Shimano® composition includes 16 shop quality tools :

- 1 pedal wrench 15x17 mm and bottom bracket wrench for Shimano® Hollowtech II® and Campagnolo® Ultra Torque® **BP-60200**
- 1 bottom bracket tool for Shimano® and ISIS Drive® **BP-99600**
- 1 Expert chain rivet tool for 7, 8, 9 and 10 speed chains **CH-05000**
- 2 brake and derailleur wrenches 8x9 mm **FR-93600-08/09** and 10x11 mm **FR-93600-10/11**
- 1 professional cable and SIS housing cutter **FR-99000**
- 1 folding hex wrench and Phillips n°1 screwdriver set **MF-94400**
- 1 crank extractor 22 mm with M8 / M14 / M15 rotating tip **PE-01000**
- 1 sprocket remover **RL-00900**
- 2 hub cone wrenches of 13/14/15/16/17/18 mm **RP-05700**
- 1 cassette lock ring remover for Shimano® Hyperglide® **RL-97900**
- 1 patch kit featuring 6 round patches (3x15mm and 3x25 mm) **RP-44000**
- 1 universal spoke wrench with 13, 15, 16, 17, 18 and 19 gauges **RP-05400**
- 1 set of 3 nylon tyre levers **RP-42800**
- 1 nylon brush for cleaning cassette, chain, derailleur, brakes **RL-96200**

Campagnolo® tool kit is **KO-91100**, same as **KO-91000** except :

- **BP-99600** replaced by **BP-41400** bottom bracket tool for Campagnolo®
- **RL-97900** replaced by **RL-41400** cassette lock ring remover for Campagnolo®

**KO-91001** - Cordura® carrying case only (no tool)





### Folding hex wrench set MF-94300

- includes 7 hex wrenches of 1,5/2,2,5/3/4/5/6 mm
- features a composite grip handle shaped for superior ergonomics
- soft cushion grips provide comfort and slip resistance
- hard shell provides years of service
- hardened 8650 industrial quality chrome vanadium steel
- industrial phosphate finish



### Folding hex wrench set MF-94400

- includes 3 hex wrenches of 4/5/6 mm and one flat and one Phillips n°1 screwdrivers
- features a composite grip handle shaped for superior ergonomics
- soft cushion grips provide comfort and slip resistance
- hard shell provides years of service
- hardened 8650 industrial quality chrome vanadium steel
- industrial phosphate finish



### Folding Torx® wrench set MF-94500

- includes 8 Torx® wrenches T6/T7/T8/T9/T10/T15/T20/T25
- features a composite grip handle shaped for superior ergonomics
- soft cushion grips provide comfort and slip resistance
- hard shell provides years of service
- hardened 8650 industrial quality chrome vanadium steel
- industrial phosphate finish

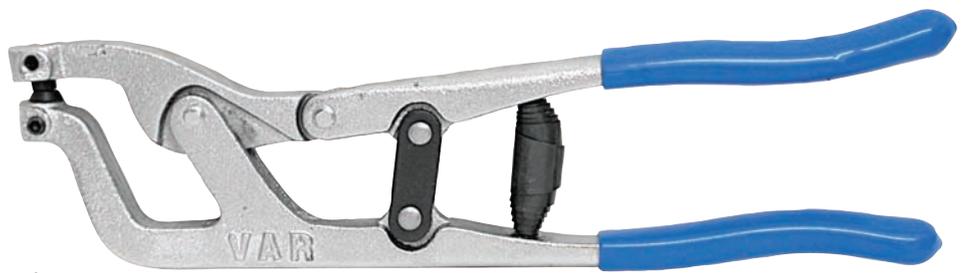


### Multifunction tool "15 in 1" MF-95900

- includes 7 hex wrenches of 2/2,5/3/4/5/6/8 mm
- includes 8/9/10 mm sockets
- hex wrenches and sockets are made from hardened chrome vanadium steel
- flat and Phillips n°1 screwdrivers
- 13 gauge spoke wrench
- tyre lever
- saw-knife



Very handy and versatile multi tool to be taken along for a ride.



**Punch plier DV-01500**

- to punch holes into mudguards
- delivered with 5mm removable pin and matrix
- die cast steel

DV-01509 - set of 5 mm replacement pin and 5mm matrix



**Tap handle**

Item number	Size of square	Product compatibility
DV-04310	from 2 to 6,3 mm	CD-04100-03 CD-04100-05 CD-04100-05x75 CD-04100-06 CD-04100-08.5x100 CD-04100-10x150 CD-04100-10
DV-04320	from 3 to 9 mm	CD-04100-11x100 PE-04100-1/2 PE-04100-9/16
DV-04330	from 4 to 12,5 mm	CD-04510-23/26 CD-04520-23/26 FH-93800 PE-04700
DV-04340	from 5 to 16 mm	CD-04510-26/29.5 CD-04520-26/29.5 CD-04520-29.5/33.5



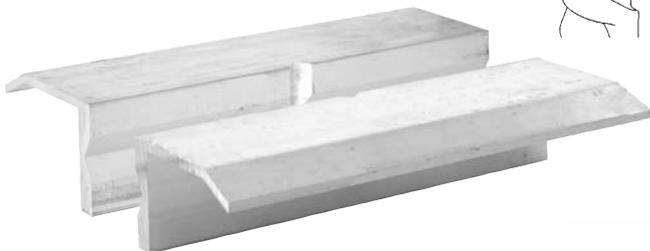
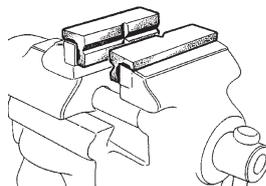
**Ratcheting tap handle DV-58100**

- sliding handle and reversible ratcheting design permit tapping in tight places
- compatible with frame taps such as CD-04100



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

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



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



**Professional torque screwdriver DV-10300**

- ranges from 1 to 5 Nm
- equipped with a 1/4" drive
- delivered in a plastic case with 2/2,5/3/4/5 mm hex bits and T7 & T25 Torx® bits



**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

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

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

**DV-10400** and **DV-10500** are to be used with hex socket and hex bit kit **DV-10700**.



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

**Hex socket and hex bit kit DV-10700**

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



**Dial caliper DV-11500**

- 150mm measuring capacity
- 0,01mm precision, large dial for an easy and accurate reading
- outside, inside and depth measurements
- hardened stainless steel construction and shock resistant dial
- delivered in its aluminum box

**Electronic digital caliper DV-11600**

- measuring range from 0 to 6" (from 0 to 150mm)
- resolution of 0.0005 inch / 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





**1/2" drive ratchet wrench DV-12000**

- reversible ratchet
- angle of resumption of 5° to work in narrow spaces
- comfortable dual density handle, 235mm long
- hardened chrome-vanadium steel
- features a quick socket release
- chrome-plated body

**Professional hacksaw for 300 mm blade DV-12700**

- 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



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

**DV-12720** - special blade for cutting carbon fiber components Super HSS 10 teeth



**Swivel head hand riveter DV-17300**

- 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-17305-50** - bag of 50 nuts in M5



**Professional tube cutter for steel and aluminium DV-20000**

- for clean and straight cuts on handlebars, headset tubes, seatposts
- from 1/4" to 1 1/2" OD (from 6 to 38mm)
- delivered with a replacement cutting wheel (inside knob)
- removable rotating deburrer

**DV-20001** - replacement cutting wheel





**Biodegradable cleaner**

- to clean plastic and rubber parts (elastomers, O-rings, composite washers and parts or enamel)
- to perfectly clean metal parts
- more than 90% biodegradable

NL-75100-01000 - 1 liter jug

NL-75100-05000 - 5 liter jug



**Releasing oil NL-76000-00400**

- 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



**Biodegradable degreaser**

- to clean chain and drive train
- dissolves oil and grease
- contains anti-rust additives
- made from orange peels distillation
- more than 90% biodegradable

NL-76100-00400 - 500ml aerosol

NL-76100-05000 - 5 liter jug



**Biodegradable 300 ml lubricant aerosol NL-76200-00300**

- to lube chain and derailleur
- water repellent
- excellent adhesiveness
- contains anti-rust additives
- more than 90% biodegradable



### P.T.F.E. grease

- to grease headsets, bottom brackets, hubs, seat stays, elastomers in forks, stems and 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



NL-76400-00100 - 100 g box

NL-76400-00500 - 500 g box



### Anti-seize copper grease NL-76600-00100

- solves problems of cracking, corrosion, rust, cold-welding on threaded parts and aluminum and titanium components
- to be used for any assembly of parts of different metals or titanium against titanium
- to be used with parts exposed to moisture and extreme conditions

### Threadlocker NL-77300

- 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
- 60 ml squeeze bottle



### Bucket of 70 high performance hand cleansing wipe NL-76800

- remove lubricants, heavy greases, dirt, tar, soils, grime, adhesives, graphite, wax ...
- can also be used for cleaning tools, workshop equipment, bike components, ...
- high performance citrus hand cleaning formula combined with a heavy-duty, non scratching, abrasive cleaning wipe
- tested under dermatological control
- offer quick, efficient and convenient hand cleaning
- perfect when soap and water are not readily available

### Box of 100 nitrile gloves NL-78000

- 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
- size L





**Professional truing stand CR-07400**

- compatible with bicycle, moped and motorcycle wheels
- heavy-duty steel construction and precision ground parts
- chrome plated steel

**CR-07409-2** - set of 2 replacement cones



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



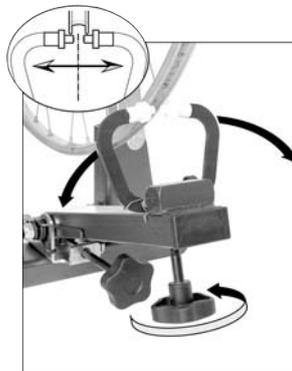
**Professional truing stand CR-07500**

- accepts wheels from 16" to 28" with or without tyre mounted
- both uprights move simultaneously always centering hub with calipers, regardless of hub width
- heavy-duty construction and high precision laser cut parts
- caliper tips are made from nylon not to scratch the rim
- can be bench-mounted or vise-held
- chrome plated steel

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



To be used with wheel dishing gauge **RP-14300** for greater accuracy



**Professional truing stands for wheel builders**

- to check and correct lateral and radial run-outs within a few seconds even by a beginner
- direct reading of the gap by two needles (one for reading radial rim run-out, the other one for reading lateral rim run-out) magnified by a system of nylon rollers
- precisely shows which nipples to work on to correct the gap
- accepts wheels of any diameter and any width of rims and hubs
- high precision ground parts

**CR-48500** - for cycles

**CR-48600** - for cycles, mopeds and motorcycles

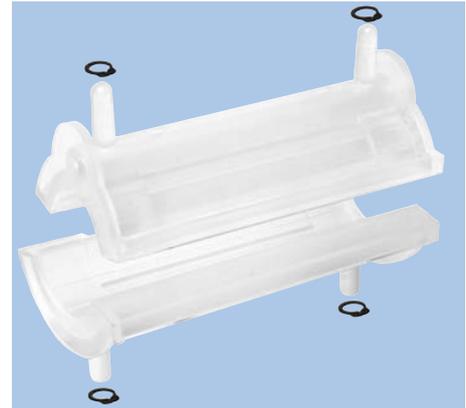
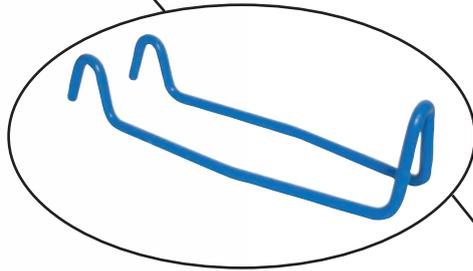
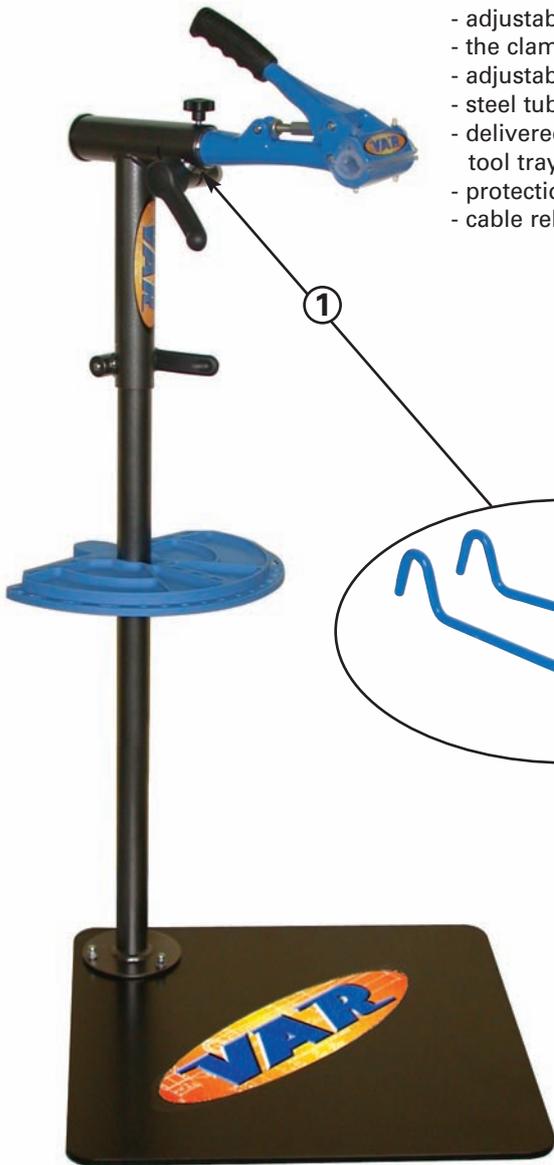


### Single clamp repair stand PR-90000

- excellent stability by steel square base of 30 kg
- adjustable working height from 130cm to 152 cm
- the clamp rotates 360° for the bike to be positioned at any angle
- adjustable opening of clamp up to 40 mm
- steel tubes and base are powder coated
- delivered with one handlebar holder PR-71300 and a composite compartmented tool tray PR-89950
- protection of frame by rubber clamp covers
- cable relief in the upper jaw

### Set of 2 replacement rubber clamp covers PR-70010

- fits PR-89900, PR-90000 and PR-99700
- cable relief for cable housing in the upper jaw
- delivered with 4 circlips to hold the rubber clamp covers into the aluminium jaws



### Double clamp repair stand PR-89900

- excellent stability by steel square base of 44 kg
- same features as the stand PR-90000 but with 2 working positions
- delivered with two handlebar holders PR-71300 and a composite compartmented tool tray PR-89950



**Work bench repair stand PR-99700**

- heavy-duty steel construction and powder coated
- adjustable opening of clamp up to 40mm
- the clamp rotates 360° for the bike to be positioned at any angle
- equipped with professional clamp **PR-70000** (360° rotation)
- can be bench-mounted or vise-held

**Replacement clamp PR-70000**

- fits professional repair stands **PR-89900**, **PR-90000** and **PR-99700**
- clamp with adjustable opening to fit any size tubing up to 40 mm
- frame protection by 2 rubber clamp covers
- cable relief in the upper half-jaw
- clamp made from investment cast aluminum, hardened and powder coated

**PR-70001** - upper half-jaw

**PR-70002** - aluminum handle with rubber handle grip

**PR-70003** - lower jaw with steel rotating shaft

**PR-70004** - complete adjusting barrel with 2 side screws

**PR-70005** - set of 3 axles with circlips

**PR-70006** - set of 2 side screws for adjusting barrel

**PR-70010** - set of 2 rubber clamp covers

**PR-70019** - set of 4 circlips



**Semi-professional repair stand PR-89000**

- additional stand in a workshop
- clamp rotates 360° for the bike to be positioned at any angle
- adjustable opening of clamp up to 50mm
- quick locking and unlocking of the jaw
- cable relief both in upper and lower jaws
- steel tubes and base are powder coated
- delivered with a compartmented tool tray
- protection of frame by 4 rubber stripes

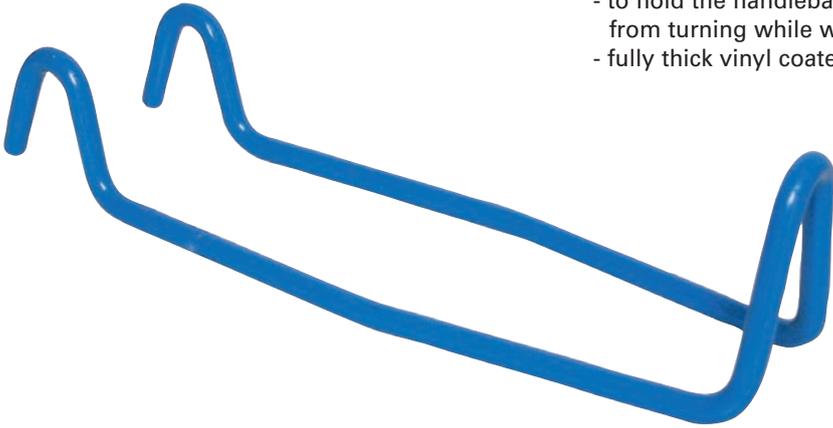
**PR-89002** - set of 2 nylon jaws with cable relief

**PR-89015-4** - set of 4 replacement rubber stripes for jaws



**Handlebar holder PR-71300**

- 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 two hooks PR-70300-C**

- ideal to hang up bicycles and wheels
- vinyl coating to protect frame enamel and rims
- blister packed

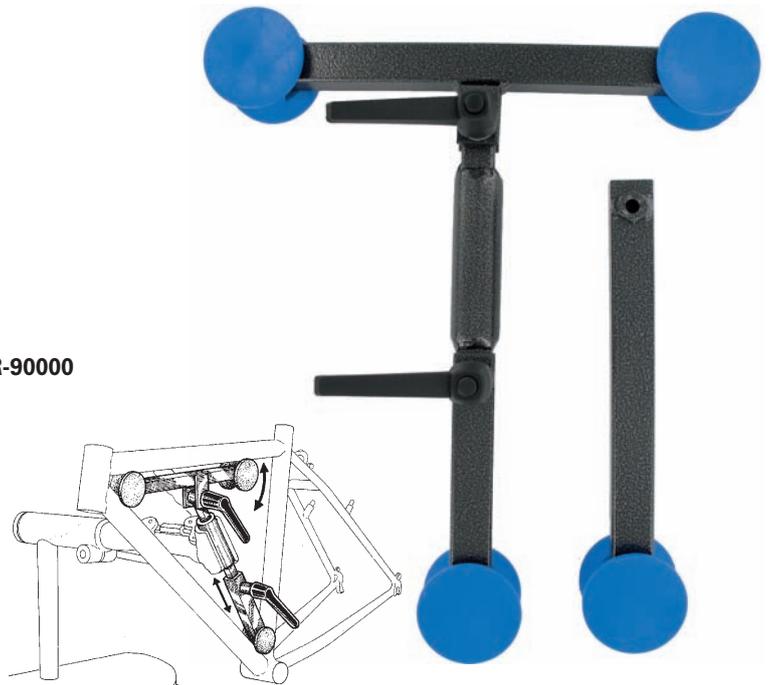


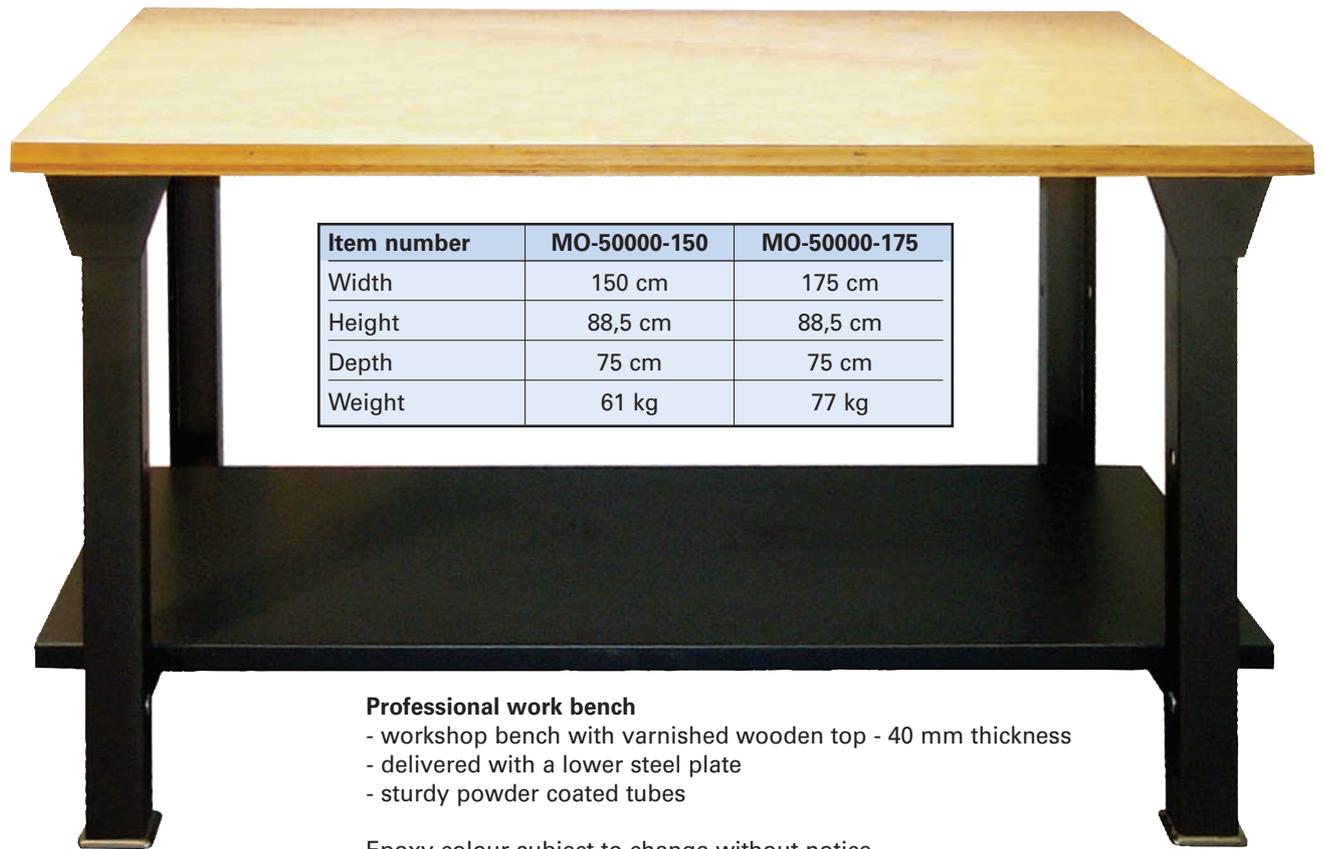
**Set of 2 double hooks PR-07000**

- to hang up bicycles and wheels for saving-space storage
- rim protection with a thick vinyl coating

**Adaptor for oversized frames PR-89500**

- complementary to repair stands PR-89000, PR-89900 and PR-90000
- fits virtually any size of tubes
- frame protection by 3 rubber rollers





Item number	MO-50000-150	MO-50000-175
Width	150 cm	175 cm
Height	88,5 cm	88,5 cm
Depth	75 cm	75 cm
Weight	61 kg	77 kg

**Professional work bench**

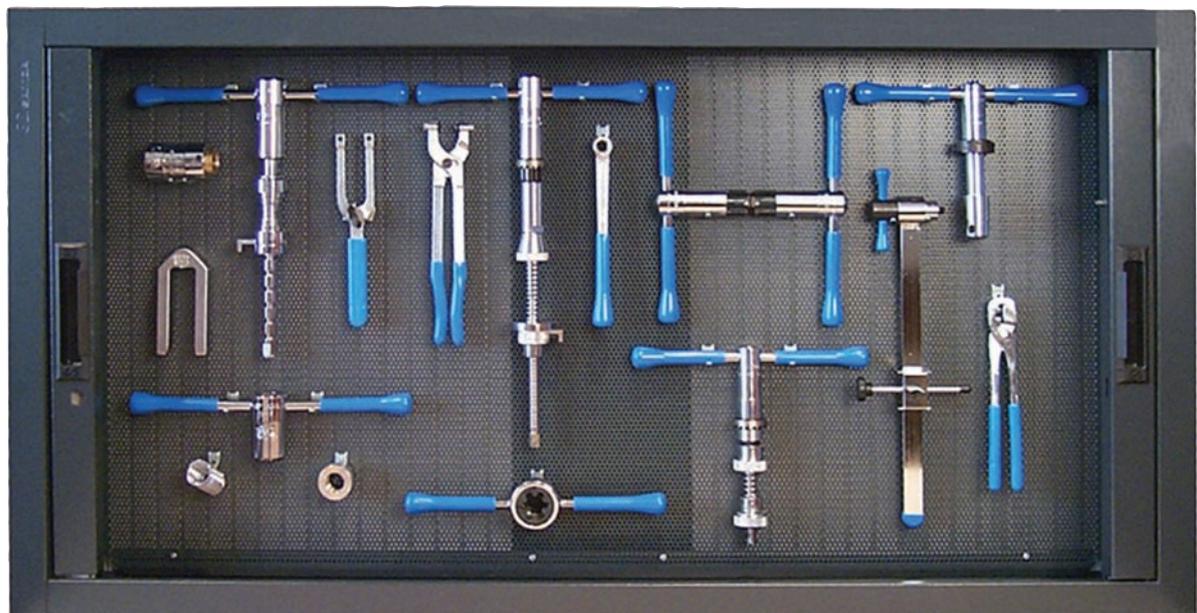
- workshop bench with varnished wooden top - 40 mm thickness
- delivered with a lower steel plate
- sturdy powder coated tubes

Epoxy colour subject to change without notice

**Tool cabinet**

- rolling doors with lock
- heavy-duty construction and powder coated
- delivered without tool but with tool racks and a full set of hooks to hang tools up
- 2 sets of 15 hooks (short and long) included in 125 cm cabinet and 3 sets of hooks (short, long and extra-long) included in 150 and 175 cm cabinets
- can be wall-mounted or bench-mounted

Item number	MO-50100-125	MO-50100-150	MO-50100-175
Width	125 cm	150 cm	175 cm
Height	75 cm	75 cm	75 cm
Depth	19 cm	19 cm	19 cm
Weight	38 kg	45 kg	50 kg



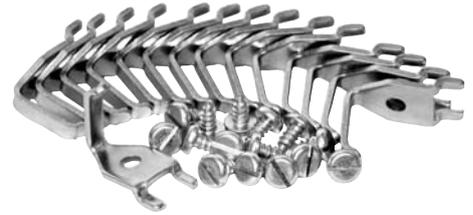


### Tool panel

- powder coat finish
- delivered without tool but with tool racks and a full set of hooks to hang tools up
- 2 sets of 15 hooks (short and long) included in 125 cm panel and 3 sets of hooks (short, long and extra-long) included in 150 and 175 cm panels
- can be wall-mounted or bench-mounted



Item number	MO-50200-125	MO-50200-150	MO-50200-175
Width	125 cm	150 cm	175 cm
Height	75 cm	75 cm	75 cm
Depth	2 cm	2 cm	2 cm
Weight	14 kg	16 kg	17 kg



### Hooks for tool panels and cabinets :

- MO-50101-15** - set of 15 short hooks
  - useful length : 21mm
- MO-50102-15** - set of 15 long hooks
  - useful length : 32mm
- MO-50103-15** - set of 15 extra-long hooks
  - useful length : 75mm



### 7 drawer workshop tool cabinet MO-50800

- heavy-duty construction for professional use
- over 500 kg total load capacity
- over 40 kg 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
- possibility to install tool chest MO-50900 on top of the tool cabinet to increase storage capacity

### 6 drawer workshop tool chest MO-50900

- heavy-duty construction for professional use
- 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
- weight: 38 kg

<b>Tool cabinet measurements</b>	76 x 46 x 102 (cm)
<b>Drawer measurements</b>	56,5 x 39 x 6 (x 5)
	56,5 x 39 x 13 (x 2)
<b>Weight</b>	64 kg





**Professional workshop apron AP-94800**

- high quality cotton canvas
- cross-back fastening system that removes pressure from the neck
- ideal protection for your clothes
- magnetized pocket for fasteners and washers
- 3 different lengths and many pockets

**Workshop apron with VAR logo AP-94900**

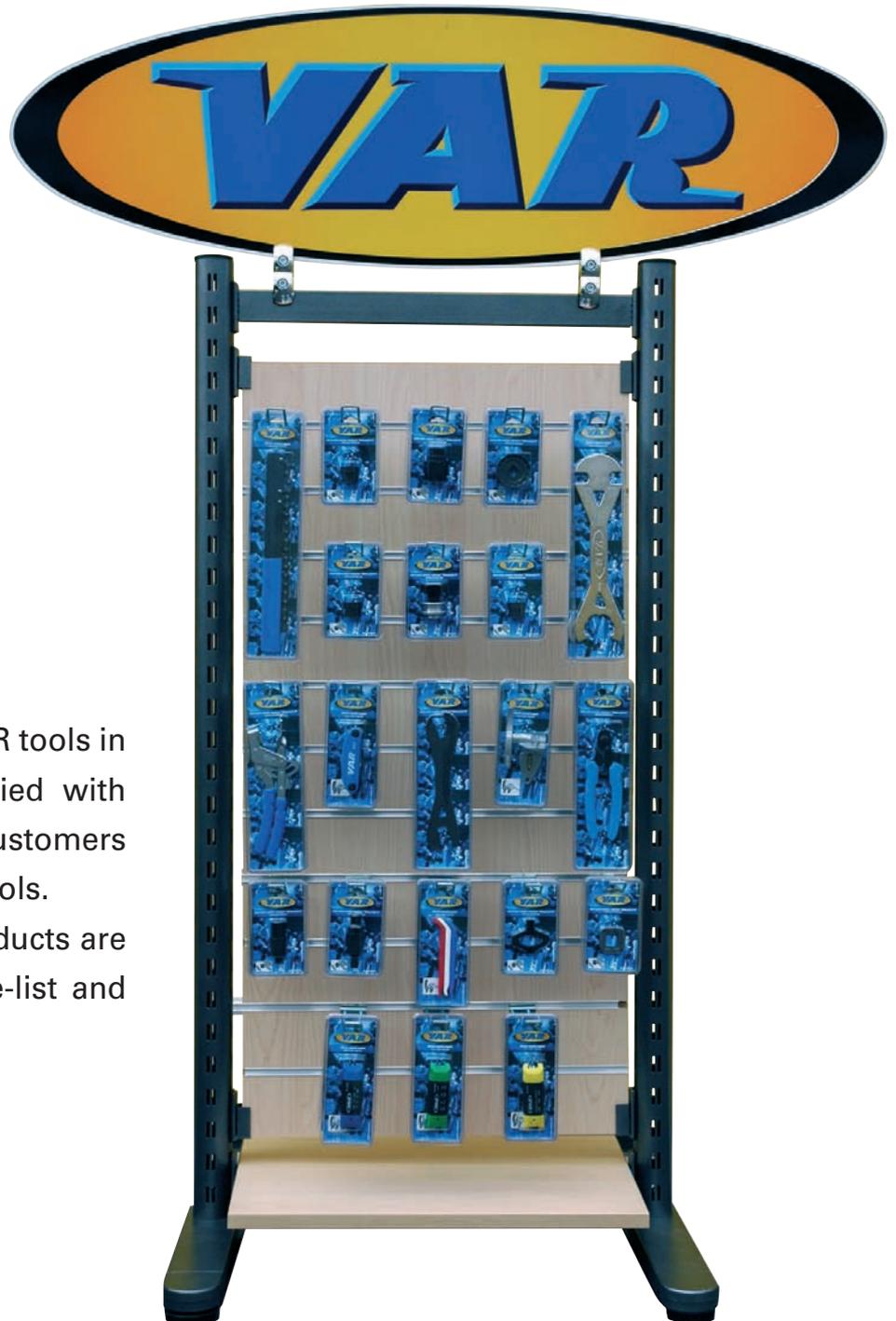
- to protect your clothes whenever you work on your bike
- many reinforced pockets for stashing pens, parts, tools
- 100% high quality pre-shrunk cotton
- black with 2 white VAR logo





You, professionals, who use VAR tools in your workshop and are satisfied with them, just offer them to your customers by selling VAR blister-packed tools.

The item numbers of these products are mentioned in dark in our price-list and followed by a “-C”



# New products



**BP-60200** (page 14)



**BP-60300** (page 14)



**CH-90800** (page 22)



**DV-12000** (page 34)



**DV-11500** (page 33)



**DV-11600** (page 33)



**DV-12700** (page 34)



**RP-43200** (page 25)



**PE-01000** (page 16)



**PE-35300** (page 18)



**RP-01200** (page 23)



**FR-29900** (page 27)

# New products (next)



NL-76000-00400  
(page 35)



NL-77300 (page 36)



NL-78000 (page 36)



DR-95500 (page 11)



MO-50900 (page 42)



AP-94800 (page 43)



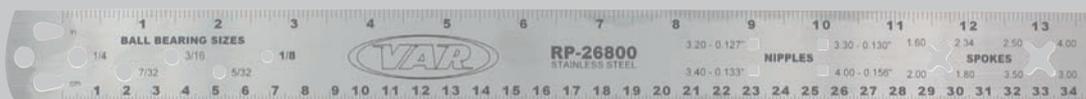
CL-09001 (page 28)



MO-50800 (page 42)



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RP-26800 (page 24)

CH-04000 (page 22)



Espace Eiffel - Lot D6 - 19/21, avenue Gustave Eiffel

28630 Gellainville - France

Tel : 02 37 33 37 10 - Fax : 02 37 33 37 17

www.vartools.com - e-mail : contact@vartools.com