Tools for bicycle service

Multifunction tools

Tools for frame and forks

Tools for drive

Tools for wheel sets

Tool sets

New advanced technology

The use of new technological methods and top quality materials result in tools with a long life span, safety designs ensure repair jobs without damages, customized solutions, excellent effectiveness, modern materials and ergonomic design provide good looks and safe use.

Customized solutions for excellent results

Our solutions offer adaptability to the bicycle parts of all producers. Our tradition, our own design, and constant technical development and modern technology keep us one step ahead.

Excellent durability

Unior hand tools finish many jobs faster and make working in tight areas easier. They are adapted to also work even on the latest bicycle models.

UNIOR ergonomics - protect your hands

UNIOR®

1600A

Set of bike tools 5 pcs

№	
617232	1600A 13

584/2POLLY (180), **1647/2BI, 1630/2P** (3.3), **1669/4, 220/3PH** (1.5 - 10 / 9)

1600B

Set of bike tools 9 pcs

№	
617233	1600B 17

1610/2 (15 x 15), **1631/2, 1647/2BI, 1660/2, 1670.5/4, 584/2POLLY** (180), **250/1** (100), **1612/2** (13 x 14), **220/3LPH** (1.5 - 10 / 9)

1600C

Set of bike tools 14 pcs

№	
617234	1600C 22

1609/2BI, 1610/2 (15 x 15), **1631/2, 1647/2BI, 1660/2, 1670.5/4, 250/1** (100, 150), **584/2POLLY** (180), **615TBI** (PH 2 x 100), **605TBI** (0.5 x 3.0 x 80, 0.8 x 4.0 x 100), **1612/2** (13 x 14), **220/3LPH** (1.5 - 10 / 9)

1600AT

Empty bag for 1600A

	A	B
617229	210	200

1600BT

Empty bag for 1600B

	A	B
617230	390	270

1600CT

Empty bag for 1600C

	A	B
617231	380	460

1600E

Set of bike tools 37 pcs

№	
617238	1600E 37

1609/2BI, 1613/2BI, 1615/4, 1616/4, 1617/2DP (13, 14, 15, 16, 17), **1630/2P** (3.3, 3.45), **1647/2BI, 1660/2, 1661/4, 1670.5/4, 1671.1/4, 1671.2/4, 1682/4, 250/1** (100, 300), **193HX** (2.5, 3, 4, 5, 6, 8, 10), **220/3L** (2), **193TX** (TX 25), **615TBI** (PH 1 x 80, PH 2 x 100), **605TBI** (0.5 x 3.0 x 80, 0.8 x 4.0 x 100), **1681/4, 1644/2, 584/2POLLY** (180), **AP1**

1600E1

Set of bike tools in tool box

№		
617275	1600E1	39
	1600E, 912/3, 912V	

1600G

Set of bike tools 50 pcs

№		
617239	1600G	50

1607/4, 1609/2BI, 1612/2A (8 x 9, 10 x 11, 12 x 13, 14 x 15), **1613/2BI, 1616/4, 1617/2DP** (13, 14, 15, 16, 17, 32), **1630/2P** (3.3, 3.45), **1647/2BI, 1660/2, 1661/4, 1670.5/4, 1671.2/4, 1680/4, 1681/4, 1682/4, 183/2** (8 x 10), **253/2DP, 125/1** (24), **193HX** (2.5, 3, 4, 5, 6, 8, 10), **220/3L** (2), **193TX** (TX 25), **615TBI** (PH 1 x 80, PH 2 x 100), **605TBI** (0.5 x 3.0 x 80, 0.8 x 4.0 x 100), **449/1PYTHON** (240), **449.1, 1643/4, 1670/2BI, 250/1** (100, 300), **1683/4A, 1671.1/4, 584/2POLLY** (180), **AP1**

1600G1

Set of bike tools 50 pcs in tool case

№		
617276	1600G1	51
	1600G, 970U6	

1600SOS1

Bike tool set in SOS tool tray

	№	
620119	1600SOS1	10

1680/4, 1615/4, 1616/4, 1682/4, 1617/2DP (14, 15, 16, 17)**, 1618/2DP** (36)**, VL.1600SOS1**

VL.1600SOS1

SOS tool tray for 1600SOS1

	L	B	H
620125	564	364	30

1600SOS2

Bike tool set in SOS tool tray

	№	
620120	1600SOS2	12

1601/2P, 1640/1DP, 466/1BI (180)**, 1612/2** (13 x 14, 13 x 14)**, 183/2** (8 x 10)**, 1643/4, 1647/2BI, 701A, 1642/2DP, 584/2POLLY** (180)**, VL.1600SOS2**

VL.1600SOS2

SOS tool tray for 1600SOS2

	L	B	H
620126	564	364	30

1600SOS3

Bike tool set in SOS tool tray

	№	
620121	1600SOS3	6

1696, 1696.2, 1697, 1683/4A, 1681/4, VL.1600SOS3

VL.1600SOS3

SOS tool tray for 1600SOS3

	L	B	H
620127	564	364	30

1600SOS4

Bike tool set in SOS tool tray

	№	
620122	1600SOS4	4

1699, 1694, 1607/4, VL.1600SOS4

VL.1600SOS4

SOS tool tray for 1600SOS4

	L	B	H
620128	564	364	30

1600SOS5

Bike tool set in SOS tool tray

	№	
620123	1600SOS5	15

1670/2BI, 1660/2, 1613/2BI, 1608/2BI, 1609/2BI, 190.1/1ABI (1/2")**, 1670.1/4, 1670.4/4, 1670.5/4, 1670.7/4, 1671.1/4, 1671.2/4, 1695.1, 1661.2/4PGR, VL.1600SOS5**

VL.1600SOS5

SOS tool tray for 1600SOS5

	L	B	H
620129	564	364	30

1600SOS6

Bike tool set in SOS tool tray

	№	
620124	1600SOS6	16

1635/2P, 1636/2P, 1634/2P, 1663/2BI, 1666/2DP, 1606 (2 x 2.5 x 3, 4 x 5 x 6)**, 1667/2, 1630/2P** (3.3, 3.45)**, 1630/2A** (3.3, 3.45)**, 1658/2P, 1669/4, 1671.5/2BI, VL.1600SOS6**

VL.1600SOS6

SOS tool tray for 1600SOS6

	L	B	H
620130	564	364	30

1601/2P

Tire setter

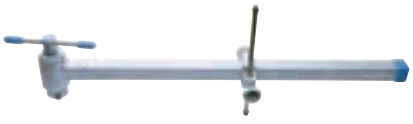
- *material: chrome vanadium*
- *drop forged, entirely hardened and tempered*
- *surface finish: chrome plated to standard EN12540*
- *handles plastic dipped*
- *The pliers for disassembling tyres are intended for fast in straightforward tyre disassembly - especially tyres that have already bonded with the rim. Using the pliers, we compress the tyre so that it detaches from the edge of the rim. With such a grip, we facilitate the removal of the tyres. The well-thought-out shape of the pliers that enables the separation of the tyre from the rim ensures that we do not puncture the inner tube when removing the tyre. The pliers are chromed and laminated with plastic for a more comfortable grip.*

617586

1602/2

Transmission bracket control

- *material: special tool steel, the pipe is made of construction steel*
- *Transmission bracket along with the rear transmission, threaded on it, must be parallel to the rear gear, which is the basis for smooth running of the chain and for a fast, efficient shifting.*
- *If the bicycle falls on the right side, damage to the rear transmission and deformations of the transmission bracket often occur. This causes the loss of the transmission bracket parallelism, which hinders proper functioning of gears.*
- *When performing repair work, first the rear wheel must be centered because an alligned rear wheel is the basis for the adjustment of the transmission bracket.*
- *The tool is easy to use and very precise. It is used to check the parallelism between the transmission bracket and the wheel, and to align the bracket if the parallelism is not reached.*
- *How to use the tool: Mount the control to the transmission bracket. Move the slider along with the measuring gauge towards the wheel rim and position it in such a way that the gauge only lightly touches the wheel rim. Then fix the measuring gauge by tightening the screw on the top of the slider. Perform the check by moving the bracket control to different positions on the wheel rim. If the transmission bracket is parallel to the wheel, the measuring gauge touches the wheel rim lightly on all positions. If the stick moves away from the rim or comes extremely close to it, the bracket has to be aligned. And since our bracket control is strong, the transmission bracket may be aligned by means of the fixed control. Repeat the procedure until the measuring gauge lightly touches the whole rim and then parallelism is achieved again.*

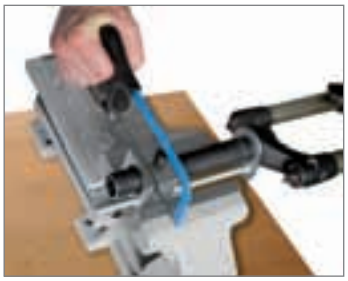


617587

1604/2

Steerer cutting guide, for professional use

- *material: special tool steel*
- *for frames of dimensions: 1" and 1 1/8"*
- *When the pipe on new fork is longer than necessary, it needs to be shortened to the adequate length. The cutting rail enables an even and precise cut of fork pipe without thread - of dimensions 1" and 1 1/8", while the mounted measuring gauge enables a fast and precise determination of fork pipe length desired after the cut. Bind the fork into the cutting rail and set the desired length by means of the measuring gauge. The cut must be positioned exactly on the opening of the rail itself. Lightly tighten the screw. Install the cutting rail along with the fixed fork to the vice on the working bench. Saw the fork by means of a saw (art.. 750) through the opening in the rail. The housing, made in a compact and precise way, does not leave scratches on the fork pipe.*



618409

1605/2

Steerer cutting guide 1", 1 1 /8"

- *material: special tool steel*
- *When the tube of the new forks is longer than is necessary, we cut it to size. The cutting guide ensures a straight and accurate cut on the fork tube without a thread - the dimensions being 1" and 1 1/8".*
- *Clamp the forks into the cutting guide. Move the guide so that its opening is above the marked part of the tube and gently tighten the bolt. Clamp the cutting guide together with the secured forks into a vice on the work table. Saw the forks using a saw (art. 750) through the notch in the guide. Compactly and precisely manufactured housing does not leave scratch marks on the fork tube.*

618419

1606

Inbus, three-legged

- *material: chrome vanadium*
- *The key is used for tightening and unscrewing screws with inbus-shaped nuts. The plastic-coated middle part of the key offers a comfortable and compact grip of the key, which enables efficient working while the high-quality material enables long-term use of the tool*

618405	2	2.5	3
618406	4	5	6

1607/4

Bottom bracket shell installation tool

- *material: special tool steel*
- *This tool is used for the installation and removal of the bottom bracket shell of 35, 8 mm and 36, 3 mm. It is made of quality steel with heat treatment and surface protection. The advantage of the tool is that it prevents slipping off the shell.*

616293

1608/2BI

Bottom bracket tool

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *ergonomic heavy duty double component handle*
- *This tool is made for the installation and removal of bottom brackets XTR ® and Dura Ace and enables easy work without slippage and damage*

615534

1609/2BI

Lockring wrench

- *The wrench is used to remove and install bottom brackets Shimano ® XTR - FC - M960, XT FC-M 760, SAINT FC -M 800, RACE FACE ® X-TYPE, FSA ® MEGAE X, Truativ ® Giga X- Pipe without slippage or damage. The wrench has an additional feature to loosen the plastic pin of the bottom bracket.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *ergonomic heavy duty double component handle*

615536

1610/2

Pedal wrench

- *material: chrome vanadium*
- *surface finish: chrome plated according to EN12540*
- *drop forged, entirely hardened and tempered*
- *Pedal wrench is intended for quick, simple end effective assembly and disassembly of the pedals. Extremely long and slim body as well as specially designed jaw enable perfect adaptability to the pedals. Higher speed and safety by screwing and unscrewing the pedals compared to the traditional open end wrench ensures comfortable working without damage. The pedal wrenches are available in three different dimensions: 15 x 15 for pedals, while 15 x 17 and 15 x 9/16" for hubs.*

615011	15 x 15
615012	15 x 17
615127	15 x 9/16"

1612/2

Hub cone wrench

- *The hub cone wrenches are intended for the home mechanics or professional users. The extreme thin design with pen end jaw fit four popular sizes. These cone wrenches are used by every cyclist for quick repairs and daily maintenance of bicycles.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*

615125	13 x 14	15 x 17
615126	13 x 14	15 x 16

1612/2A

Hub cone wrench

- *Made of quality chrome vanadium steel, this wrench combines extreme toughness, hardness and durability. The shape and short design enables work in hard to reach places.*
- *material: chrome vanadium*
- *drop forged, entirely hardened and tempered*
- *surface finish: chrome plated according to EN12540*

615373	8 x 9
615374	10 x 11
615375	12 x 13
615376	14 x 15

1612PB

Set of cone wrenches

615120	2	13/14 x 15/17. 13/14 x 15/16

1613/2BI

Pedal wrench, profi

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *drop forged, entirely hardened and tempered*
- *ergonomic heavy duty double component handle*
- *The professional pedal wrench has three 15 mm openings oriented at different angles so the user can achieve precision and efficient removal of the pedal regardless of the pedal axe position. The wrench design and finish give you durability, strength and precision work. An extra long handle provides the leverage to remove even the tightest pedals.*

615537

1614/4BI

Universal crown race puller

- *material: special tool steel, hardened and tempered*
- *The puller is a tool for quickly and precisely removing the headset crown race from 1", 1.1/8", 1.1/2" suspension or rigid front fork. To use, place the puller bush onto the front fork race and fix it by turning the nut. Turn the spindle attached to the steering column to pull the crown race from the fork. The product enables efficient race removal without the use of a hammer. It is intended for both professionals and home users.*

620195

1615/4

Crown race setting system

- *material: special tool steel*
- *Surface finish: blacken*
- *This tool is intended for installation of 1" and 1 1/8" headsets. The design enables precise fitting and equal pressure to the headset using the proper size of the tool.*

615526

1616/4

Ball race remover

- *This tool is used for removal of headsets of different sizes. To remove the ball bearing cups tap on tool with hammer.*
- *material: special tool steel*
- *Surface finish: blacken*

615527	

1617/2DP

Cone wrench, single sided

- *The design and dimensions of our tools always adapt to new standards and bicycle models. The single sided cone wrench has a remarkable toughness, hardness, durability and tight fit to the handlebar and to the drive bearings. The cone wrench enables easy fitting and loosening of the nuts on the handlebar. The ergonomic shape ensures good functionality. The cone wrench sits perfectly in the hand which makes the work fast and comfortable*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *double plastic dipped handles*

615518	13
615519	14
615520	15
615521	16
615522	17
615523	18
615524	19
615525	20
617840	22
617841	24
619554	27
615367	30
615368	32
615369	34
615370	36
615371	40
615456	42
615457	44

1618/2DP

Cone wrench, single sided, offset

- *The design of the offset cone wrench enables working in difficult hard to reach places. This unique design is suitable for assembly and disassembly of nuts on Sun Tour handlebars. It is intended to be used together with the single sided cone wrench, art. 1617. The new design enables higher torque and reduces physical effort.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *double plastic dipped handles*

615372	36

1621/1ABI

Ratcheting bottom bracket wrench

- *material: special tool steel*
- *75 - teeth*
- *ergonomic heavy duty double component handle*
- *interchangeable allen head HX8 and Socket 14 mm*
- *The ratchet has exchangeable screwdriver socket HX8 mm and socket 14 mm. It is particularly useful to assemble and disassemble bottom brackets.*

616288	14	8

1621/1BI

Ratcheting bottom bracket wrench

- *material: special tool steel*
- *ergonomic heavy duty double component handle*
- *75 - teeth*
- *The design of the Unior ratcheting hub nut wrench enables working in hard to reach places and also improved accessibility to the hubs. New shape enables higher torque, reduces physical effort and ensures a longer working life of the tool. Maximum torque is assured by the shape of the handle. A perfect fit to the hand makes it comfortable to work with.*
- *The ratcheting nut wrench is made for tightening and loosening nuts of 14 and 15 mm dimensions. It is particularly useful to assemble and disassemble hubs. Special pins prevent the loss of the socket.*
- *Interchangeable sockets: 14 mm and 15 mm*

615248	14 x 15

1629

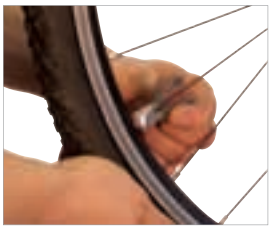
Spoke rule

620561	357.5	30.8

1630/2P

Spoke wrench

- *handle plastic dipped*
- *The spoke wrench is designed to tighten nipples with flat diameters of 3.3 and 3.45 mm.*
- *The ergonomic design makes work easy and efficient. The 3.3 mm wrench has a blue and the 3.45 mm wrench a grey colour.*
- *material: special tool steel, hardened and tempered*



615532	3.3
615533	3.45

1631/2

Triple spoke wrench

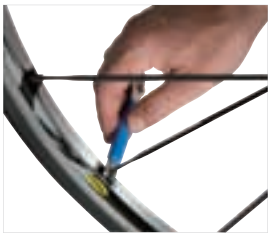
- *material: special tool steel*
- *drop forged, entirely hardened and tempered*
- *This wrench fits the popular spoke nipple flat sizes: 3,3 mm, 3,45 mm, 3,7 mm, 3,96 mm, 4,4 mm and 5mm. The shape adjusts perfectly to the hand and allows a comfortable work and easy grip.*

616289

1633/2P

Spoke wrench

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *the key body is plastic-coated*
- *Spoke wrench is used for centering of spokes with dimensions 4.0 and 4.4 mm on some wheels. Plastic-coated body enables comfortable tightening and unscrewing of the nipples of spokes. The length of the key is 100 mm, which enables access to the nipples which are mounted on the wheel hub.*



620179

1630/2A

Spoke wrench

- *Spoke wrenches are designed to tighten nipples with flat diameter 3,3 mm to 3,45 m. The form of wrench enables a perfect fit to the nipples without slippage and ensures efficient work.*

616759	3.3
616845	3.45

1632

Wrench for fixing flat spoke

- *material: polyamide*

617588

1634/2P

Spoke wrench, Shimano

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *the key body is plastic-coated*
- *Shimano Spoke wrench is used for centering of spokes with dimensions 4.3 and 4.4 mm on some Shimano wheels. Plastic-coated body enables comfortable tightening and unscrewing of the nipples of Shimano spokes. The length of the key is 100 mm, which enables access to the nipples which are mounted on the wheel hub.*

618410

1635/2P

Spoke wrench, Mavic

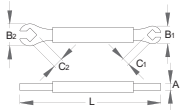
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *the key body is plastic-coated*
- *Mavic spoke wrench is used for centering of some spokes on Mavic wheels. Plastic-coated body enables comfortable tightening and unscrewing of the nipples. The length of the key is 120 mm.*

618411

1636/2P

Spoke wrench, 5 and 5.5 mm

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *the key body is plastic-coated*
- *This wrench is used for centering spokes with 5 mm and 5.5 mm nipples. Plastic-coated body enables comfortable tightening and unscrewing of nipples. The length of the wrench is 100 mm.*



619718

1639/2

Axle vice

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *The vice features two different diameter receptacles of 9 mm and 10 mm for inserting front or rear axles. Fits into jaws of engineers vice. The axle vice is easy to use. Two inserted springs will open the jaws automatically when axle vice is removed from engineers vice.*

619715

1640/1DP

Chain rivet pliers

- *material: special tool steel, hardened and tempered*
- *drop forged, entirely hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *pin induction hardened*
- *double plastic dipped handles*
- *The chain rivet pliers have been developed to enable both professional and home repairs and service work on bicycle chains. Higher functionality, effectiveness and practicality are the advantages of the chain rivet pliers. With this unique design less physical effort is required to extract the rivets from the chain. Jobs will be performed quickly and comfortably without damage to the rivets. The ergonomic shape enables single handed use.*

615377

1640.1/4

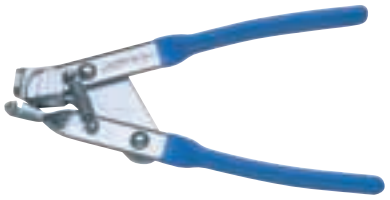
Replaceable pin for chain rivet pliers

605956

1642/2DP

Inner wire pliers

- *The function of the inner wire pliers is to tension steel cables. It holds the inner wire and pulls it out of the housing, quick and simple with less effort.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *double plastic dipped handles*

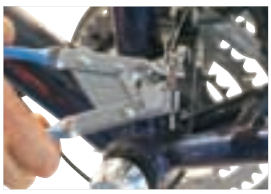


615128

1642.1/2P

Inner wire pliers with safety lock

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *double plastic dipped handles*
- *The basic function of the inner wire pliers is to tension brake and derailleur steel cables. It isused for holding the inner cable and pulling it out of the housing. The safety lock is activatedwith a thumb push. The pliers can now be released and the cable fixed. The lock is automatically released by squeezing handles together. The additional safety lock enables easier, faster and more comfortable use.*



619719

1643/4

Chain checker, for professional use

- *To alleviate poor shifting and uneven drive train wear, most manufacturers recommend chain replacement at or before 1% stretch. Now you can quickly and accurately determine the wear and stretch of any chain. Simply insert the chain checker`s pins into two links, press the swing arm gauge tight, and then check the gauge window for an accurate reading*

617170

1644/2

Chain wear indicator

- *Made from precision, laser cut steel.*
- *A worn chain shifts poorly and wears sprockets quicker. The tool is a "go, no go" gauge designed to accurately indicate when a chain is worn out.*
- *Measurement:*
- *from 0 to 0,6 mm - no chain wear.*
- *from 0,7 to 1,2 mm the chain is worn out and it is necessary to replace it.*

617171

1647/2BI

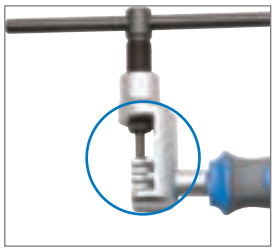
Screw type chain tool

- *material: special tool steel, hardened and tempered*
- *The Screw type chain tool is intended for both professionals and home users. The simple tightening of the spindle fits the chain pin perfectly. With its ergonomic design it is easy to use and works with great precision.*
- *ergonomic heavy duty double component handle*

615531

1647.1/4

Replaceable pins for screw type chain tool (2 pcs)

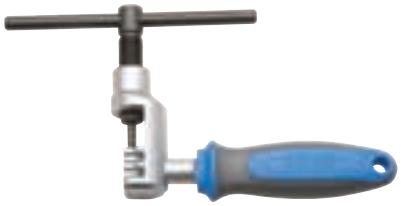


616496

1647/2ABI

Screw type chain tool

- *for Compagnolo, for 11 speed chain*



621662

1647.1/4A

Replaceable pins for screw type chain tool (2 pcs)

621734

1658/2P

Sprocket wear indicator

- *material: special tool steel, hardened and tempered*
- *for HG and IG sprockets*
- *The sprocket wear indicator is used to determine the condition rear sprockets. It can be used to check 12 to 21 tooth sprockets. Procedure: The chain is put on the sprocket and the tool placed with its round end between two teeth on the upper sprocket side. The last chain link is moved away from the sprocket and a force of 100 N or 10 kg is applied to the tool in the direction of sprocket rotation.*
- *Now the last chain link is moved towards the sprocket. If it skips easily to the cog the sprocket is in a good condition and will function flawlessly even with a new chain. However, if the last chain link gets stuck on the tip of the neighbouring tooth or if we have to force it to skip on the cog, the sprocket is worn out and should be replaced. In case the chain falls off the clog when applying force, the sprocket is heavily worn out and a replacement is overdue.*
- *surface finish: chrome plated according to EN12540*

619717

1659/2

Freewheel remover, 1/8"

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *The freewheel remover is designed for removal of single speed freewheels, which are broader than multi speed freewheels. The chain fits precisely to the freewheel teeth and thus enables effective work without slippage or damage to the sprockets. An added retaining spring is a special feature distinguishing this tool from similar products.*

619589

1660/2

Freewheel remover

- *chain whip: 1/2"*
- *The freewheel remover is intended for all types of sprockets including cassette types. It works effectively and precisely without slippage or damage to the sprockets. An added retaining spring is a special feature compared to similar products.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*

615528

1661/4

Crank puller and wrench

- *Dimension: 14 mm*
- *This tool is designed for removing sprocket and 14 mm nuts. High quality steel and small size enables working in hard to reach places. It is intended for both professionals and home users.*
- *material: special tool steel, hardened and tempered*
- *drop forged, entirely hardened and tempered*
- *Surface finish: blacken*

615529

1661.1/4P

Standard crank puller with handle

- *The crank puller is designed to remove standard square spindle cranks and unthreading bolts with 8 mm nuts. A strong handle enables quick and easy use. The product ensures optimal efficiency and is suitable for both professionals and home users.*

619708

1661.2/4PGR

Shimano octalink crank puller with handle

- *The crank puller is designed to remove standard square spindle cranks and unthreading bolts with 8 mm nuts. A strong handle enables quick and easy use. The product ensures optimal efficiency and is suitable for both professionals and home users.*

619709

1662/4

Taper thread crank puller

- *material: special tool steel, hardened and tempered*
- *This crank puller is used to remove cranks with damaged inner thread, when the crank can not be removed with a normal crank puller.*

619707

1663/2BI

Wrench for Saint brake disc nut

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *ergonomic heavy duty double component handle*
- *The wrench is intended to install and remove Shimano Saint brake disc. The wrench opening is fully adjusted to the brake disc nut and the body is bent, which enables high-quality and fast work. The two-component sleeve on the handle fits exactly to the hand and enables the maximum power transfer to unscrew and tighten the disc.*

618413

1664

XTR crank puller

- *material: special tool steel, hardened and tempered*
- *The crank puller is used for removing new XTR cranks. To use, remove the plastic ring on the outer side of the crank by using four pins on the left puller side. Unthread the nut on the inner crank side with the plastic clamp. Thread the puller with its right side into the crank and use a hexagonal wrench to unthread the nut fixing the crank. Now thread the puller, attached with its inner side to the crank nut, till it is released from the crank. The product enables optimal efficiency and is suitable for both professionals and home users.*

619710

1666/2DP

Rotor truing fork

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *The tool is designed to repair minor damages on brake rotors. It features two different sloth depths to choose from.*

619716

1667/2

Front sprocket truing fork

- *material: special tool steel, hardened and tempered*
- *The tool is used for repairing small damages on the front sprocket. The narrow opening is intended for truing a tooth, the broader for truing the sprocket holder.*

619704

1668/2

Wrench for front sprocket nuts

- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *The wrench is used for unscrewing and tightening of front sprocket nuts. The tightening starts with the broader part, and when the nut is sufficiently tightened, it finishes with the narrower part which is bent in order to enable a better power transfer during the final tightening of the nut. When unscrewing the nut, the key is used in the reverse order.*
- *The dimension of the hexagonal key opening is SW10. It enables unscrewing and tightening of nuts of this dimension, while at the same time it can be used to hang the key.*

618415

1669/4

Pocket spoke and freewheel remover wrench

- *material: special tool steel, hardened and tempered*
- *surface finish: phosphated to standard DIN 12476*
- *The wrench is the basic working tool for cyclists extended tours.*
- *To change broken nipples on the right side of the rear wheel, the nuts have to be loosened firstly.*
- *The wrench is fitted onto the freewheel nuts and then the pedal is turned.*
- *A force of 40 Nm is transmitted by the chain, thus enabling the loosening of the nuts and assuring assembly and disassembly of the freewheel and facilitating the exchanging the nipples.*
- *The nuts are fitted by turning the wheel backwards by hand.*

616758

1670/2BI

Freewheel remover

- *The freewheel remover is intended for all types of sprocket including cassete types.It is useful for freewheel with 11 and 12 teeth.*
- *material: special tool steel, hardened and tempered*
- *surface finish: chrome plated according to EN12540*
- *ergonomic heavy duty double component handle*

617235

1670.1/4

Freewheel remover Shimano®

- *For: Shimano®, SRAM® and Sachs Aris®, Sun Race®*
- *Use the freewheel remover together with the ratchet 1/2" art. 190.1ABI.*

616062

1670.2/4

Freewheel remover Suntour®

- *For: Suntour®*

616063

1670.3/4

Freewheel remover Suntour®

- *For: Suntour®*

616064

1670.4/4

Freewheel remover

- *The freewheel remover is used for removing an assembling Compagnolo® freewheels.*

616707

1670.5/4

Freewheel remover Shimano®

- *Shimano®, SRAM®, Sun Tour®, Chris King® and Sun Race® and others.*
- *Use the freewheel remover together with the ratchet 1/2" art. 190.1ABI.*

616065

1670.6/4

Freewheel remover for BMX®

- *Freewheel BMX®*

616066

1670.7/4

Freewheel remover with guide pin

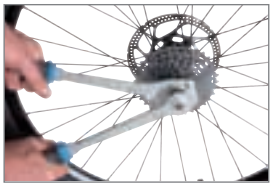
- *Freewheel Remover with guide pin for Shimano®, SRAM® Sun Race®, Suntour® and others.*

616067

1670.8/2BI

Wrench for Shimano® rear sprocket with handle

- *Wrench for rear sprocket with handle is used for Shimano®, SRAM®, Sun Race®, Suntour® and other cassette sprockets, like the key nr. 1670.7. Fixed handle enables easier use because no additional tools for gripping the key are necessary. The two-component sleeve on the handle fits the hand exactly and enables a perfect grip of the key.*



617908

1671.1/4

Cartridge bottom bracket tool

- *material: special tool steel, hardened and tempered*
- *For: Shimano®, ISIS®*
- *Use the freewheel remover together with the ratchet 1/2" art. 190.1ABI.*
- *New cartridge bottom bracket tools are used for installation and removal of the cartridge bottom brackets listed below. It is composed of wrench, product no. 1671.1, screw with nut and handle. Advantage: When we want to remove bottom bracket, it is necessary to put the wrench into bottom bracket nut. With the screw it is fixed it in axle. It prevents the wrench to from slipping and damaging the bottom bracket nut. Work is made easy by the 350 mm long handle with two-component ergonomic sleeve. The same procedure is used for installation. Additional part on the screw is 24mm AF and is for use with a 24 mm wrench, and for torque checking with torque wrench. The handle can be taken down if necessary.*

616068

1671.2/4

Cartridge bottom bracket tool

- *material: special tool steel, hardened and tempered*
- *For: Shimano ®, XTR BB-950, Bontrager ®, and TruVativ ® (ISIS Drive ® type)*

616069

1671.3/2BI

Cartridge bottom brackets tool

- *material: special tool steel, hardened and tempered*
- *ergonomic heavy duty double component handle*
- *For Shimano standard bottom brackets*
- *It is composed of wrench, product no. 1671.1, screw with nut and handle.*
- *Advantage: When we want to remove bottom bracket, it is necessary to put the wrench into bottom bracket nut. With the screw it is fixed it in axle. It prevents the wrench to from slipping and damaging the bottom bracket nut. Work is made easy by the 350 mm long handle with two-component ergonomic sleeve. The same procedure is used for installation.*
- *Additional part on the screw is 24mm AF and is for use with a 24 mm wrench, and for torque checking with torque wrench.*
- *The handle can be taken down if necessary.*

619502

1671.4/2BI

Cartridge bottom brackets tool

- *material: special tool steel, hardened and tempered*
- *ergonomic heavy duty double component handle*
- *For Shimano Octalink and Truvativ bottom brackets*
- *It is composed of wrench, product no. 1671.1, screw with nut and handle.*
- *Advantage: When we want to remove bottom bracket, it is necessary to put the wrench into bottom bracket nut. With the screw it is fixed it in axle. It prevents the wrench to from slipping and damaging the bottom bracket nut. Work is made easy by the 350 mm long handle with two-component ergonomic sleeve. The same procedure is used for installation.*
- *Additional part on the screw is 24mm AF and is for use with a 24 mm wrench, and for torque checking with torque wrench.*
- *The handle can be taken down if necessary.*

619503

1671.5/2BI

Shimano hollowtech® cartridge bottom brackets tool with handle

- *material: special tool steel, hardened and tempered*
- *The tool is used for installing and uninstalling the above mentioned types of bottom brackets. The tool is composed of a wrench, screw with nut and handle. To use, put the wrench into the bottom bracket nut, so that the screw is inserted into the bottom brackets. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle.*

619713

1671.6/2BI

Campagnolo® ultra-torque cartridge bottom brackets tool with handle

- *material: special tool steel, hardened and tempered*
- *The tool is used for installing and uninstalling the above mentioned types of bottom brackets. The tool is composed of a wrench, screw with nut and handle. To use, put the wrench onto the bottom bracket nut, so that the screw is inserted into the bottom brackets. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle.*

619714

1671.7/2BI

Truvativ® cartridge bottom brackets tools with handle

- *material: special tool steel, hardened and tempered*
- *The tool is used for installing and uninstalling the above mentioned types of bottom brackets. The tool is composed of a wrench, screw with nut and handle. To use, put the wrench into the bottom bracket nut, so that the screw is inserted into the bottom brackets. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle.*
- *The tool comes with an adjustable sleeve O13.9mm for bigger dimension of cartridge bottom.*

620206

1672/2

Wrench for driving bearing, for older models of driving bearings

- *material: special tool steel, hardened and tempered*
- *The wrench is used for installing and removing of older models of driving bearings. The wrench fits perfectly to the hand while the slim body and gap form enable a quick and efficient installation and removal of older types of driving bearings. The length of the key is 204 mm.*

618414

1678/2BI

Tools for bike frame

- *material: special tool steel, hardened and tempered*
- *ergonomic heavy duty double component handle*
- *surface finish: chrome plated to standard EN12540*
- *The bike pincers are designed for quick and easy removal of bike tires and tubes in older and city bikes with metal frames.*
- *Its long handlebars enable you to generate sufficient force to loosen the rims allowing you enough space to simply remove the tyre or tube from the wheel without having to dismount the entire wheel. Thanks to its spring lock, the tool will always remain in the state of your choice allowing you to use it without external help.*

620077

1680/4

Bearing cup press

- *This tool accurately aligns and presses headset cups 1" 1 1/8", 1 1/4 and 1 1/2" into head tubes. In addition it has a longer spindle for BMX headsets with larger tubing. This precision made tool enables work without damages.*
- *material: special tool steel*

616290

1681/4

•

616291

1681.1/4

Head set cup remover

- *material: special tool steel*
- *surface finish: phosphated to standard DIN 12476*
- *The head set cup remover makes removal of used cups 1.1 /4" and 1.1 /2" from the frame easy*

619705

1682/4

Threadless nut setter

- *The threadless nut setter is used to install the star-fangled nut found on 1" and 1 1/8"threadless headset systems. It is intended for both professionals and home users.*
- *material: special tool steel*

616292

1682.1/4

Threadless nut setter quide

- *material: special tool steel*
- *surface finish: phosphated to standard DIN 12476*
- *The guide is designed for guiding a threadless nut setter when installing star-fangled nuts found on 1" to 1 1/8" threadless headset systems. It is intended for both professionals and home users.*

619618

1683/4

Crown race setting system

- *The tool is used for setting crown race on the fork tube.*
- *Dimension: 1"; 1.1/4"; 1.1/8"*

617172

1683/4A

Crown race setting system

- *The tool is used for setting crown race on the fork tube.*
- *Dimension: 1", 1.1/4"; 1.1/8" as additional parts and 1.1/2" is dimension of the tube.*

620255

1684

Bike lift

- *material: special tool steel*
- *The bike lift is a simple device which enables a bike to be stored under the ceiling. The lift assembly is fixed to the ceiling. The bike can be raised or lowered by using the rope.*
- *Mounting instructions are enclosed.*
- *Weight capacity: 50 lb or 22,5 kg.*

618371

1688

Wheel centering stand – for home use

- *material: special tool steel*
- *This stand is intended especially for occasional users. It is very easy to use, light (2.3 kg) and does not take up much space. The left bracket is fixed and welded to the lower profile, while the right bracket is flexible due to different lengths of wheel axes.*
- *The stand can be folded by folding the leg to the lower profile.*
- *The stand can also be fixed to the working bench by screws, which increases its stability*
- *It is possible to center wheels with dimension from 16 to 29 inch, with or without tire*
- *The control sensor is single side so first the wheel shall be centered on one side, then turned around and centered on the other side.*
- *The additional function enables true checking of wheel disks.*

618489

1689

Wheel centering stand, for professional use

- *material: special tool steel*
- *This stand for professional use is specially designed for bicycle repair shops. It can be bench-mounted or vise-held.*
- *The calipers enable simultaneous radial control of the wheel position on both sides, with an additional possibility to control radial symmetry in relation to the wheel hub.*
- *The geometry of the calipers enables a simultaneous axial control for accurate truing of the wheel.*
- *The calipers have plastic coated tips to prevent leaving marks on the wheel.*
- *The upright arms position can be adjusted with an upright adjustment knob to fit the axle width. The caliper arm position can be adjusted to fit the wheel radius and the caliper tip distance can be adjusted to fit the rim width.*
- *When changing the wheel, the spring loaded upright arms and the caliper arm can be quickly pulled away, automatically springing back to a set position when inserting a new wheel. This enables faster truing of several same size wheels.*
- *accepts wheels from 16 to 29 inch with or without tyre removed.*
- *truing of 20 mm axle wheels requires additional adapters.*
- *truing control of brake rotors can be done with additional calipers inserted into slots in the upright arm.*

619720

1689.1

Controlling caliper arm for 1689

621615

1689.2

Brake caliper for 1689

621616

1689.3

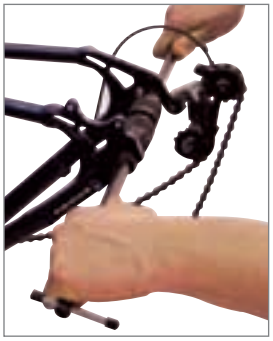
Adapters of 20 mm axle wheels (2 pcs)

621617 2

1692/4

Frame and fork end alignment gauge tool

- *Remove the wheel and insert the tool into the frame. The tool is used for the alignment of the back fork to achieve the parallelism.*
- *material: special tool steel, hardened and tempered*



618412

1693B

Repair bike stand with fixed plate

- *Repair bike stand with fixed plate is designed for service workshops and every day use.*
- *Fixed plate is ergonomicaly designed. Maximum load capacity is 30kg, what enable to servise havier downhill bikes.*
- *weight of the stand is 36kg*
- *The bike stand is suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm*

621471

1690/1

True checking tool - professional

- *Material: construction steel, stainless steel and PE-polyethylene*
- *The true checking tool is a tool designed to check the axle symmetry between the nave and the wheel rim. First we set an appropriate distance between the slides according to the wheel size. We lean the middle rest against the nave axle and put the frame with slides nearer to the rim so that the slides touch the rim. Then we fix the rest with a screw and check the other side of the wheel. This enables us to see if the nave is centered according to the rim. If the wheel is not centered, it needs to be trued up.*
- *Precisely manufactured tools enable simple checking of wheels with dimensions from 16 to 29 inch, with or without tire.*

618486

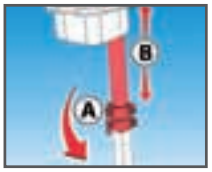
1693A

Repair bike stand with support tubes

- *The bike repair stand is the basic working tool both for service workshops and enthousiastic amateurs.*
- *It is easy to assemble and the support tubes are fold together enabling easier transportation between work place*
- *Maximum load capacity is 19kg*
- *The bike stand is suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm*
- *Weight of the stand is 6.5kg*

621470

BIKE STAND PREPARATION



To adjust bike stand high, release lever (A) and adjust the high of stand tube (B).

To adjust bike stand head, release lever (C) and adjust/ rotate the stand head (D).

CLAMPING BIKE

Adjust opened jaws (F) to the tube of bike.

Turn handle (E) until jaws accommodate frame whole tube. Adjust final clamping pressure, to avoid damage to bike, do not over tighten.

RELEASING BIKE

Firmly hold bike frame (H). Flip handle (G) to quickly release tube from jaws.

1693.1

Swiveling vice jaw for 1693A and 1693B

- *The bike stand is suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm*

621472

1694

Head tube reamer 1 1/8"

- *material: special tool steel*
- *ergonomic heavy duty double component handle*
- *maximum length of the forks – 190 mm*
- *maximum edging depth – 15 mm*
- *maximum thickness of the frame: 4 mm*
- *for reliable running of the front wheel*
- *Faultless running of the front wheel and reliable steering depend on the*
- *steering bearing that connects the forks with the frame of the bicycle. When*
- *bearings start to falter due to wear and tear, we repair the parallel alignment*
- *of the steering tube surface. By edging the steering tube, we achieve the tube*
- *being optimally adjusted to the steering bearing cup.*
- *The special advantage of the Unior edging machine is the option of fast*
- *uncoupling and regulation. The sharpened centring cone is fitted on the*
- *bearing that enables smooth operation of the tool. All the cutting surfaces are*
- *characterised by top-level quality.*

617593	1 1/8" (34 mm)

1694.1

Reamer for 1694

- *material: special tool steel*

617824	1 1/8" (34 mm)

1695

Frame taps

- *material: special tool steel*
- *Its function is to scrap out the rust or restore damaged threads. Available in three different dimensions.*
- *The finish prevents from eventual outside damages.*
- *M10 - frame tap for derailleur hanger (616079)*
- *M5 - frame tap for water bottle, fender, rack bosses (616078)*
- *M3 - frame tap for derailleur hanger (616077)*

	M
616077	3
616078	5
616079	10

1695.1

Pedal taps

- *material: special tool steel*
- *Precise design and hardening to stay sharp. Left and right tap available in set.*
- *For cutting new threads to enable the insertion or the alignment tool on badly damaged threads.*
- *This tool enables precise work on pedal taps before cutting the thread.*

	M
616080	16 x 1.25

1695.1AL

Pedal taps

- *left*
- *material: special tool steel*

616554	5/8" x 24

1695.1AR

Pedal taps

- *right*
- *material: special tool steel*

616553	5/8" x 24

1695.2

Pedal taps

- *material: special tool steel*
- *Precise design and hardening to stay sharp. Left and right tap available in set.*
- *For cutting new threads to enable the insertion or the alignment tool on badly damaged threads. This tool enables precise work on pedal taps before cutting the thread.*

	M
616081	16 x 1

1695.3

10 pieces set of tool for alignment of pedal taps, right

- *material: special tool steel*
- *Dimension: M16x1/M16x1,25*
- *This tool is used for alignment of crank arm and corrected thread on the pedal*

616082

1695.3A

10 pieces set of tool for alignment of pedal taps

- *right*
- *material: special tool steel*

616551	5/8" x 24

1695.4

10 pieces set of tool for alignment of pedal taps, left

- *material: special tool steel*
- *Dimension: M16x1/M16x1,25*
- *This tool is used for alignment of crank arm and corrected thread on the pedal*

616083

1695.4A

10 pieces set of tool for alignment of pedal taps

- *left*
- *material: special tool steel*

616552	5/8" x 24

1696

Fork threading tool

- *The fork threading tool is designed for cutting new threads and for chasing existing threads on fork columns that are not chromed.*
- *Made of quality steel is designated for long life use. Set the tool on the fork column under 90° angle. When cutting threads use the cutting grass.*
- *The ergonomic design of the handle ensures optimal force transmission and an effective work.*
- *material: special tool steel*
- *ergonomic heavy duty double component handle*

616074	1" x 24
619633	1.1/8" x 24

1696.1

Cutting guide

- *material: special tool steel*

M	D
1	24

1696.2

Steerer cutting guide

- *material: special tool steel*

M	D
1.1/8"	26

1697

Bottom bracket tapping tools (BSA)

- *material: special tool steel*
- *This tool is used for tapping the threads in the bottom bracket shell of a frame. When cutting left and right thread insert the tool at one time parallel from both sides into the bottom bracket shell of a frame.*
- *ergonomic heavy duty double component handle*
- *The design enables effective and precise work*
- *ergonomic heavy duty double component handle*

616076

1697.1

Spare taps for 1697

- *material: special tool steel*
- *left and right taps available in set for article 1697*

617310

1.37"x24tpi (BSA)

1698

Bottom bracket tapping tools, ITAL

- *material: special tool steel*
- *ergonomic heavy duty double component handle*
- *For the repair and cutting of threads in the frame of the drive bearing, use the special thread cutter. It is intended especially for wheels of Italian origin that have a right-hand thread on both sides of the drive bearing (36 mm x 24t pi), which means that unwinding on both sides is in the counter clockwise direction.You can also repair threads using the thread cutter.*

617589	36X24 tpi (ITAL)

1698.1

Spare taps for 1698

- *material: special tool steel*

617590	36 x 24 tpi (ITAL)

1699

Bracket shell facing tool (BSA and ITAL)

- *material: special tool steel*
- *ergonomic heavy duty double component handle*
- *When, due to the cutting of threads or inaccurate manufacture, changes in the chamber of the drive bearing or damage on the edges of the bearing appear, use the complete set of tools for frontal treatment and edging.*
- *Use is simple: Tighten the bits with the thread into the chamber of the drive bearing and fit the spring and nut for ensuring an appropriate axial force. Well-considered design and top-level manufacture of the tool will enable the left and right sides of the bearing chamber to be simultaneously treated and coaxially edged.*

617591	36 x 24 tpi (ITAL). 1.37x24tpi(BSA)

1699.1

Facing tool for 1699

- *material: special tool steel*

617592