

## BIKE TOOLS

Even the wheels of time need maintenance.

### WHAT IF A BUMP IN THE ROAD THROWS YOU OFF BALANCE?

*Not to worry. Check the damage, fix it and move on!*

Unior bicycle tools enable efficient and simple repair and maintenance of all vital parts of your bike. The frame and fork tools, the drive repair and maintenance tools, the wheel set tools and multifunction tools, were produced in cooperation with renowned international bicycle manufacturers.

Advantageous to bikers themselves as well as experienced maintenance experts, the tools facilitate repair, assembly and disassembly of the various bicycle parts regardless of the manufacturer, while also proving a helpful assistance in taking care of specific features of individual bike makes.

Made of high wear resistance materials, Unior bicycle tools are ergonomically shaped for safe, comfortable and easy use. Available in complete sets and individually.



## TOOLS FOR FRAME &amp; FORKS

**1615** CROWN RACE SETTING SYSTEM

Code	EAN	dim	Material: Carbon Steel Surface with black finish
615526	155265	1", 1 1/8"	

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.

**1683** CROWN RACE SETTING SYSTEM

Code	EAN	dim	Material: Carbon Steel
617172	171722	1", 1 1/4", 1 1/8"	

The crown race setting system is intended for crown race installation on the fork tube to fit 1". The inserts are interchangeable. This tool enables quick and efficient work.

**1616** BALL RACE REMOVER

Code	EAN	Material: Carbon Steel Surface with black finish
615527	155272	

This tool is used for removal of headsets of different sizes. To remove the ball bearing cups tap on tool with hammer.



**1681 HEAD SET CUP REMOVER**

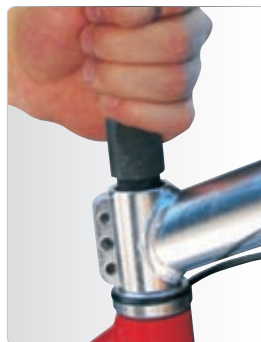
Code	EAN	Material: Carbon Steel
616291	162911	

The head set cup remover makes removal of used cups 1", 1 1/8" and 1 1/4" from the frame easy

**1682 THREADLESS NUT SETTER**

Code	EAN	Material: Carbon Steel
616292	162928	

The threadless nut setter is used to install the star-fanged nut found on 1" and 1 1/8" threadless headset systems. It is intended for both professionals and home users.

**1680 BEARING CUP PRESS**

Code	EAN	Material: Carbon Steel
616290	162904	

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.

**1618 CONE WRENCH, SINGLE SIDED, OFFSET**

Code	EAN	dim	Material: Carbon Steel hardened and tempered Double plastic dipped handles
615372	153728	36	

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.



**1696** FORK THREADING TOOL

Code	EAN	dim	Material: Alloy steel ergonomic heavy duty double component handle
616074	160740	1" x24 mm	

The fork threading tool is designed for cutting new threads and for chasing existed 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.

**1696.1** CUTTING GUIDE

Code	EAN	dim	Material: Alloy steel
616075	160757	1" x24 mm	

**1694** HEAD TUBE REAMER 1 1/8"

Code	EAN	dim	Material: Alloy steel Ergonomic heavy duty double component handle
617593	175935	1 1/8" (34 mm)	

- 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.

**1694.1** REAMER FOR 1694

Code	EAN	dim	Material: Alloy steel
617824	178240	1 1/8" (34 mm)	

**1605** STEERER CUTTING GUIDE 1", 1 1/8"

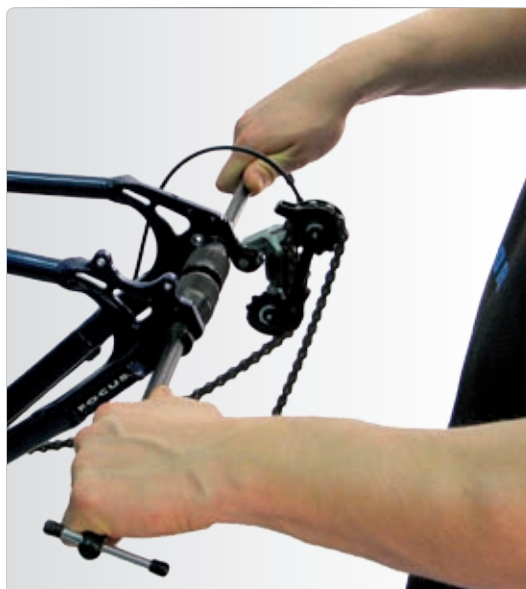
Code	EAN	Material: Alloy steel
617594	175942	

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.

**1632** WRENCH FOR FIXING FLAT SPOKE

Code	EAN	Material: poliamid
617588	175881	

**1692** FRAME AND FORK END ALIGNMENT GAUGE TOOL

Code	EAN	Material: Carbon Steel
616086	160863	

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.

## TOOLS FOR DRIVE

**1610** PEDAL WRENCH

Code	EAN	dim	L	Material: chrome vanadium Surface finish: chrome plated, Hardening and tempering.
615011	150116	15x15	340	
615012	150123	15x17	340	
615127	151274	15x9/16	340	

Pedal wrench is intended for quick, simple and 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.

**1613** PEDAL WRENCH, PROFI

Code	EAN	Material: Carbon Steel; Hardening and tempering; Surface finish: chrome plated Double component handle
615537	155371	

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 axle 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.

**1695.1** PEDAL TAPS

Code	EAN	dim	Material: Alloy steel
616080	160801	M16x1,25 (left and right)	

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.

**1695.2** PEDAL TAPS

Code	EAN	dim	Material: Alloy steel
616081	160818	M16x1 (left and right)	

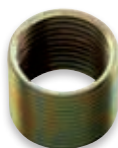
Precise design and hardening to stay sharp. Left and right tap available in set. For cutting new threads to enable the insertion or the alignment tool on badly damaged threads. This tool enables precise work on pedal taps before cutting the thread.

**1695.1AR** PEDAL TAPS

Code	EAN	dim	Material: Alloy steel
616553	165530	5/8"x24 (right)	

**1695.1AL** PEDAL TAPS

Code	EAN	dim	Material: Alloy steel
616554	165547	5/8"x24 (left)	

**1695.3** TOOL FOR ALIGNMENT OF PEDAL TAPS, RIGHT

Code	EAN	dim	Material: special steel
616082	160825	M16x1/M14x1,25 (right)	

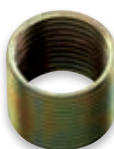
*This tool is used for alignment of crank arm and corrected thread on the pedal*

**1695.4A** TOOL FOR ALIGNMENT OF PEDAL TAPS

Code	EAN	dim	Material: Alloy steel
616552	165523	5/8"x24 mm (left)	

**1695.4** TOOL FOR ALIGNMENT OF PEDAL TAPS, LEFT

Code	EAN	dim	Material: special steel
616083	160832	M16x1/M14x1,25 (left)	

**1695.3A** TOOL FOR ALIGNMENT OF PEDAL TAPS

Code	EAN	dim	Material: special steel
616551	165516	5/8"x24 mm (right)	

**1695** FRAME TAPS

*Material: Alloy 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.*

Code	EAN	dim	
616077	160771	M3	frame tap for derailleur hanger
616078	160788	M5	frame tap for water bottle, fender, rack bosses,...
616079	160795	M10x1	frame tap for derailleur hanger

**1608** BOTTOM BRACKET TOOL

Code	EAN	Material: Carbon Steel hardened and tempered; Surface finish: Chrome plated Double component handle
615534	155340	

This tool is made for the installation and removal of bottom brackets XTR® and Dura Ace and enables easy work without slippage and damage.

**1609** LOCKRING WRENCH

Code	EAN	Material: Carbon Steel hardened and tempered; Surface finish: Chrome plated Double component handle
615536	155364	

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.

**1621** RATCHETING HUB NUT WRENCH

Code	EAN	dim	L	Material: special composition steel, hardened and tempered; With 75 teeth Ergonomic heavy duty double component handle; Interchangeable sockets: 14x15 mm
615248	152486	14X15	200	

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.

**1621A** RATCHETING HUB WRENCH WITH 14MM SOCKET AND 8MM ALLEN HEAD

Code	EAN	L	Material: special composition steel, hardened and tempered With 75 teeth Ergonomic heavy duty double component handle
616288	162881	200	

Allen head HX8 and Socket 14 mm, interchangeable



**1607** BOTTOM BRACKET SHELL INSTALLATION TOOL

Code	EAN	Material: Carbon Steel
616293	162935	

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.

**1661** CRANK PULLER AND WRENCH

Code	EAN	dim	Material: Carbon Steel, hardened and tempered Surface with black finish
615529	155296	6 point: 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.

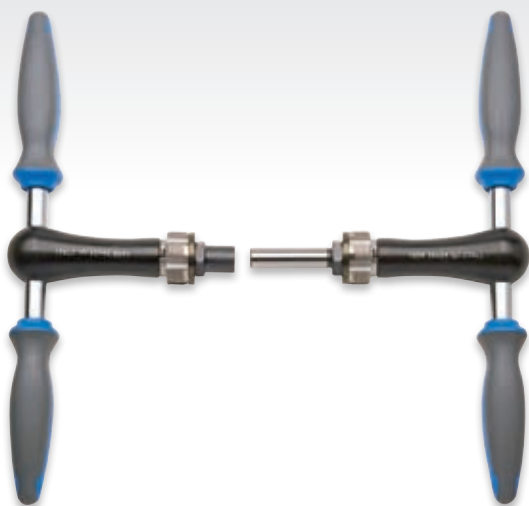
**1671.1** CARTRIDGE BOTTOM BRACKET TOOL

Code	EAN	Material: carbon steel
616068	160689	Use for: Shimano®, ISIS; Use the freewheel remover together with the ratchet 1/2" art. 190.1A BI.

**1671.2** CARTRIDGE BOTTOM BRACKET TOOL

Code	EAN	Material: carbon steel
616069	160696	Use for: Shimano®, XTR BB-950, Bontrager®, and TruVativ® (ISIS Drive® type)



**1697** BOTTOM BRACKET TAPPING TOOLS (BSA)

Code	EAN	dim	Material: Alloy steel Double component handle
616076	160764	1,37"x24tpi ( BSA)	

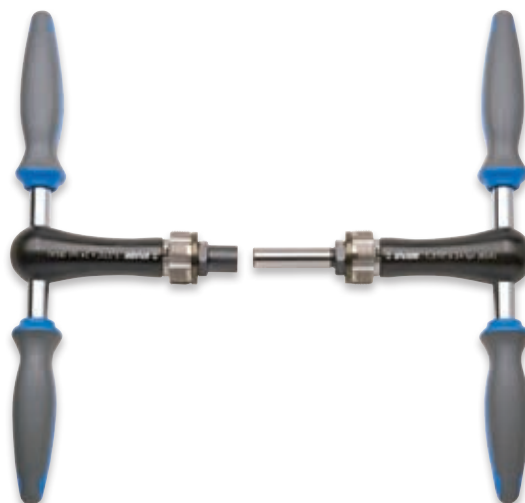
This tool is used for tapping the threads in the bottom bracket shell of a frame. When cutting left and right thread insert the tool at one time parallel from both sides into the bottom bracket shell of a frame.

The design enables effective and precise work

**1697.1** SPARE TAPS FOR ART. 1697

Code	EAN	Material: Alloy steel
617310	173108	1,37"x24tpi ( BSA)

Left and right taps available in set for article 1697.

**1698** BOTTOM BRACKET TAPPING TOOLS, ITAL

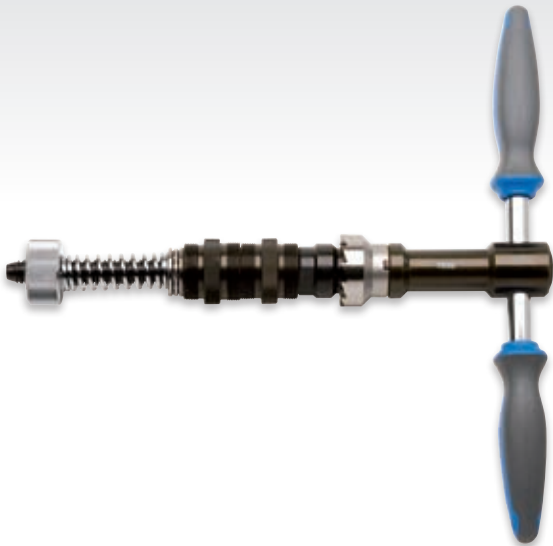
Code	EAN	dim	Material: Alloy steel Double component handle
617589	175898	36X24 tpi (ITAL)	

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.

**1698.1** SPARE TAPS FOR ART. 1698

Code	EAN	Material: Alloy steel
617590	175904	36 x 24 tpi (ITAL)



**1699** BRACKET SHELL FACING TOOL (BSA AND ITAL)

Code	EAN	Material: Alloy steel Double component handle
617591	175911	36 x 24 tpi (ITAL), 1,37x24tpi(BSA)

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.

**1699.1** FACING TOOL

Code	EAN	Material: Alloy steel
617592	175928	

**1660** FREEWHEEL REMOVER

Code	EAN	Material: Carbon Steel, hardened and tempered Surface finish: Chrome plated Chain Whip: 1/2"
615528	155289	

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.

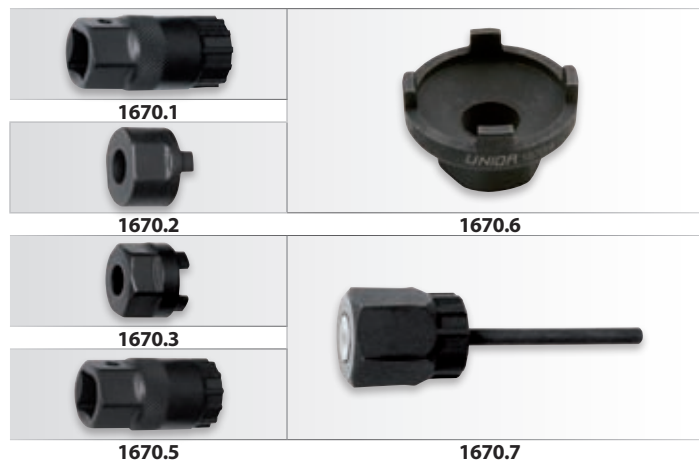




# 1670 FREEWHEEL REMOVER

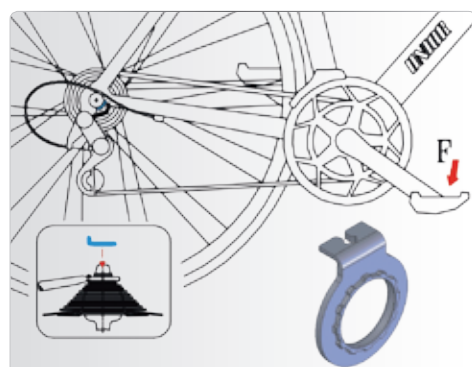
Code	EAN	Material: Carbon Steel, hardened and tempered Double component handle
617235	172354	

The freewheel remover is intended for all types of sprocket including cassette types. It is useful for freewheel with 11 and 12 teeth.



# 1670 FREEWHEEL REMOVER

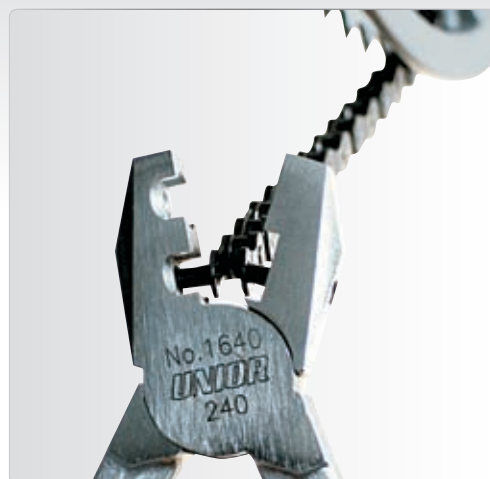
Art	Code	EAN	
1670.1	616062	160627	Shimano®, SRAM® Sachs Aris®, Sun Race®, use with the ratchet 1/2" art 190.1 A BI and art. 1670.
1670.2	616063	160634	Suntour
1670.3	616064	160641	Suntour
1670.4	616707	167077	Compagnolo, use together with ratchet 1/2" Shimano®, SRAM®, Sun Tour®, Chris King® and Sun Race® and others. Also for disc brakes, use together with the ratchet 1/2" art. 190.1A BI and art. 1670) BMX
1670.5	616065	160658	
1670.6	616066	160665	
1670.7	616067	160672	Freewheel Remover with Guide Pin for Shimano®, SRAM® Sun Race®, Suntour® and others.



# 1669 POCKET SPOKE AND FREEWHEEL REMOVER WRENCH

Code	EAN	Material: carbon steel Burnished
616758	167589	

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.

**1640 CHAIN RIVET PLIERS**

Code	EAN	L	Material: Carbon Steel, hardened and tempered Surface finish: Chrome Plated Entirely hardened and tempered Pin induction hardened Double plastic dipped handles
615377	153773	240	

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.

**1640.1 REPLACEABLE PIN FOR CHAIN RIVET PLIERS**

Code	EAN	
605956	059563	

**1647 SCREW TYPE CHAIN TOOL**

Code	EAN	ergonomic heavy duty double component handle Material: Carbon Steel
615531	155319	

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.

**1647.1 REPLACEABLE PIN FOR SCREW TYPE CHAIN TOOL**

Code	EAN	
616496	164960	

**1642** INNER WIRE PLIERS

Code	EAN	L	Material: Carbon Steel hardened and tempered Double plastic dipped handles
615128	151281	180	

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.

**1644** CHAIN WEAR INDICATOR

Code	EAN	Material: stainless steel
617171	171715	

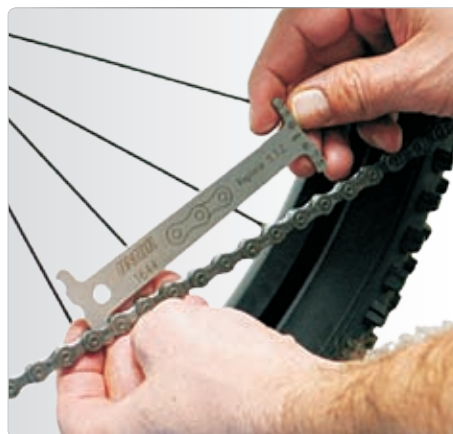
A worn chain shifts poorly and wears sprockets quicker. The tool is a "go, no go" gauge designed to accurately indicate when a chain is worn out.

Made from precision, laser cut steel.

**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.

**1643** CHAIN CHECKER - PROFI

Code	EAN	Material: Carbon Steel
617170	171708	

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



## TOOLS FOR WHEEL SET

**1630** SPOKE WRENCH

Code	EAN	L	Material: Carbon Steel Double plastic dipped handles
615532	155326	3,3	
615533	155333	3,45	

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.

**1630A** SPOKE WRENCH

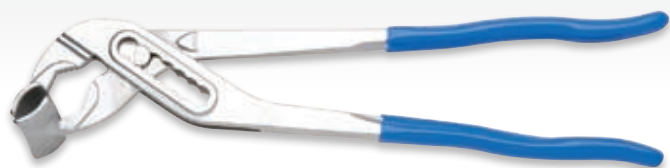
Code	EAN	L	Material: Carbon Steel
616759	167596	3,3	
616845	168456	3,45	

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.

**1631** TRIPLE SPOKE WRENCH

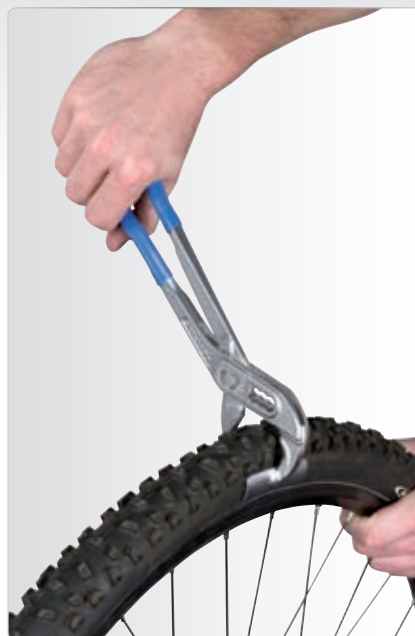
Code	EAN	Material: Carbon Steel Hardened and tempered
616289	162898	

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.

**1601 TIRE SETTER**

Code	EAN	Material: Chrom vanadium steel
617586	175867	

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.

**1691 PORTABLE WHEEL DISHING GAUGE**

Code	EAN	Material: steel
616084	160849	

The tool to center the rim between the locknuts of the hub, or dished. By this precise tool an accurate alignment is assured.  
Fits to 26", 27" and 28" wheels



## MULTIFUNCTION TOOLS

**1612** HUB CONE WRENCH

Code	EAN	dim	Material: Carbon Steel hardened and tempered Surface finish: Chrome plated
<b>615125</b>	151250	13/14x15/17	
<b>615126</b>	151267	13/14x15/16	

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.

**1612 PB** SET OF CONE WRENCHES

Code	EAN	dim	Material: Carbon Steel hardened and tempered
<b>615120</b>	151205	13/14x15/17 13/14x15/16	

**1612 A** HUB CONE WRENCH

Code	EAN	dim	Material: Chrome Vanadium Steel Surface finish: Chrome plated
<b>615373</b>	153735	8x9	
<b>615374</b>	153742	10x11	
<b>615375</b>	153759	12x13	
<b>615376</b>	153766	14x15	

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.

**1617** CONE WRENCH, SINGLE SIDED

Code	EAN	dim	Material: Carbon Steel hardened and tempered Double plastic dipped handles Surface finish: Chrome plated
<b>615518</b>	155180	13	
<b>615519</b>	155197	14	
<b>615520</b>	155203	15	
<b>615521</b>	155210	16	
<b>615522</b>	155227	17	
<b>615523</b>	155234	18	
<b>615524</b>	155241	19	
<b>615525</b>	155258	20	
<b>617840</b>	178400	22	
<b>617841</b>	178417	24	
<b>615367</b>	153674	30	
<b>615368</b>	153681	32	
<b>615369</b>	153698	34	
<b>615370</b>	153704	36	
<b>615371</b>	153711	40	
<b>615456</b>	154565	42	
<b>615457</b>	154572	44	

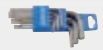




The design and dimensions of our tools always adapt to new standards and bicycle models. The single sided cone wrench has a remarkable toughness, hardness, durability and tight fit to the handlebar and to the drive bearings. The cone wrench enables easy fitting and loosening of the nuts on the handlebar. The ergonomic shape ensures good functionality. The cone wrench sits perfectly in the hand which makes the work fast and comfortable

## BIKE TOOL SETS

**1600 A** SET OF BIKE TOOLS 5 PCS

Code	EAN		230 x 95 x 40
617232	172323		














Art.		Dim.	
220 PH		1,5-10/9pcs	Hexagonal wrench
584 Polly			Polly pliers
1630		S3,3	Spoke wrench
1647			Screw type chain tool
1669			Pocket spoke and freewheel remover wrench

**1600 B** SET OF BIKE TOOLS 9 PCS

Code	EAN		390 x 120 x 40
617233	172330		



Art.		Dim.	
220L PH		 1,5-10	Hexagonal wrench
250		 100	Universal wrench
584 Polly			Polly pliers
1610		15x15	Pedal wrench
1612		13x14x15x17	Hub cone wrench
1631			Tripple spoke wrench
1647			Screw type chain tool
1660			Freewheel remover
1670.5		Shimano, SRAM, Sun Tour, Chris King in Sun Race and others	Freewheel remover Shimano

**1600 C** SET OF BIKE TOOLS 14 PCS

Code	EAN		380 x 220 x 40
617234	172347		



















Art.			Dim.	
220 L PH			1,5-10	Set in plastic box/clip
250			100	Universal wrench
			300	Universal wrench
584 Polly				Steel wire cutter "Polly"
605TBI			3,0x80	Flat screwdriver TBI
			4,0x100	Flat screwdriver TBI
615TBI			2 x 100	Crosstip screwdriver
1609			XTR FC M960, XT FC-M 760, Saint FC M 800, RACE FACE X-TYPE, FSA MEGAE X	Lockring wrench
1610			15x15	Pedal wrench
1612			13x14x15x17	Hub cone wrench
1631				Tripple spoke wrench
1647				Screw type chain tool
1660				Freewheel remover
1670.5			Shimano, SRAM, Sun Tour, Chris King in Sun Race and others	Freewheel remover

**1600 E** SET OF BIKE TOOLS 37 PCS

Code	EAN
617238	172385

Art.			Dim.	
193HX			2.5	Hexagonal head screwdriver with T handle
			3	Hexagonal head screwdriver with T handle
			4	Hexagonal head screwdriver with T handle
			5	Hexagonal head screwdriver with T handle
			6	Hexagonal head screwdriver with T handle
			8	Hexagonal head screwdriver with T handle
			10	Hexagonal head screwdriver with T handle
193TX			25	TX profile screwdriver with T handle
220L			2	Hexagonal wrench, long
250			100	Universal wrench
			300	Universal wrench
584 Polly				Polly pliers
605TBI			3,0x80	Flat screwdriver
			4,0x100	Flat screwdriver

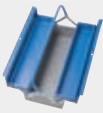


Art.		Dim.	
615 TBI		1	Crosstip screwdriver
		2	Crosstip screwdriver
1609		XTR FC M960, XT FC-M 760, Saint FC M 800, RACE FACE X-TYPE, FSA MEGAE X	
1613			Pedal wrench - profi
1615			Crow race setting system
1616			Ball race remover
1617		13	Cone wrench, one sided
		14	Cone wrench, one sided
		15	Cone wrench, one sided
		16	Cone wrench, one sided
		17	Cone wrench, one sided
1630		S3,3	Spoke wrench
		S3,45	Spoke wrench
1644			Chain wear indicator
1647			Screw type chain tool
1660			Freewheel remover
1661			Crank wrench and puller
1681		1", 1.1/4", 1.1/8", 1.1/2"	Head cup remover
1682		1" - 1.1/8"	Threadless nut setter
1670.5		Shimano, SRAM, Sun Tour, Chris King in Sun Race and others	Freewheel remover Shimano
1671.1		Shimano, ISIS, 1/2"	Cartridge Bottom Bracket
1671.2		Shimano, XTR BB-950, Bontrager in TruVativ (ISIS Drive)	Chainring Lockring and Bottom Bracket Tool

**1600 E1** SET OF BIKE TOOLS IN TOOL BOX

Code	EAN
617275	172750







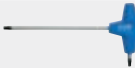
























Apron




Art.		
911/3		Tool box - 3 compartments
911/V		Tray for tool box 911/3
1600E		Set of bike tools - 37 pcs

**1600 G** SET OF BIKE TOOLS 50 PCS

Code	EAN
617 239	172392

Art.			Dim.	
125/1			24mm	Combination wrench
183			8x10	Open ring wrench
193HX			2.5	Hexagonal head screwdriver with T handle
			3	Hexagonal head screwdriver with T handle
			4	Hexagonal head screwdriver with T handle
			5	Hexagonal head screwdriver with T handle
			6	Hexagonal head screwdriver with T handle
			8	Hexagonal head screwdriver with T handle
			10	Hexagonal head screwdriver with T handle
193TX			25	TX profile screwdriver with T handle
220L			2	Hexagonal wrench, long
250			100	Universal wrench
			300	Universal wrench
253A				Adjustable spanner
449				Python pliers
449.1				Plastic parts for python pliers
584 Polly				Polly pliers
605TBI			3,0x80	Flat screwdriver
			4,0x100	Flat screwdriver
615 TBI			1	Crosstip screwdriver
			2	Crosstip screwdriver
1607			35,5 mm in 36,3 mm	Bottom bracket fixed cup tool
1609			XTR FC M960, XT FC-M 760, Saint FC M 800, RACE FACE X-TYPE, FSA MEGAE X	Lockring wrench
1613				Pedal wrench - profi
1616				Ball race remover
1617			13	Cone wrench, one sided
			14	Cone wrench, one sided
			15	Cone wrench, one sided
			16	Cone wrench, one sided
			17	Cone wrench, one sided
			32	Cone wrench, one sided
1630			S3,3	Spoke wrench
			S3,45	Spoke wrench
1643				Chain ckecker - profi
1647				Screw type chain tool
1660				Freewheel remover
1661				Crank wrench and puller

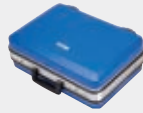


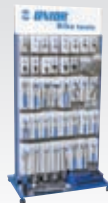
Art.		Dim.	
1670			Freewheel remover
1680		1", 1 1/8", 1 1/4", 1 1/2"	Bearing cup press with step bushing cup
1681		1", 1 1/4", 1 1/8", 1 1/2"	Head cup remover
1682		1" - 1 1/8"	Threadless nut setter
1683			Crow race setting system
1612A		8X9	Open end wrench - short
		10X11	Open end wrench - short
		12X13	Open end wrench - short
		14X15	Open end wrench - short
1670.5		Shimano, SRAM, Sun Tour, Chris King in Sun Race and others	Freewheel remover Shimano
1671.1		Shimano, ISIS,	Cartridge Bottom Bracket
1671.2		Shimano, XTR BB-950, Bontrager in Truvativ (ISIS Drive)	Chainring Lockring and Bottom Bracket Tool
			Apron

**1600 G1** SET OF BIKE TOOLS 50 PCS IN TOOL CASE






























Code	EAN
617276	172767














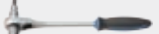


Art.		
970 U6		Tool case - empty
1600G		Set of bike tools - 50 pcs

**1600 M SET OF BIKE TOOLS – 282 PCS ON MOBILE DISPLAY STAND**

<b>Code</b>	<b>EAN</b>
617292	172927



Art.			Dim.		
183			8x10	Open ring wrench	3
192 HX			8	Hexagonal screwdriver socket 1/2"	3
193 HX			2.5	Hexagonal head screwdriver with T handle	3
			3	Hexagonal head screwdriver with T handle	3
			3.5	Hexagonal head screwdriver with T handle	3
			4	Hexagonal head screwdriver with T handle	3
			4.5	Hexagonal head screwdriver with T handle	3
			5	Hexagonal head screwdriver with T handle	3
			6	Hexagonal head screwdriver with T handle	3
			7	Hexagonal head screwdriver with T handle	3
			8	Hexagonal head screwdriver with T handle	3
			10	Hexagonal head screwdriver with T handle	3
193TX			25	TX profile screwdriver with T handle	3
220 L PH				Set in plastic box/clip	3
253 A				Adjustable spanner	3
405 BI			180	Combination pliers	3
442 Hypo			240	Variable joint HYPO pliers	3
449 Python			240	Waterpump box joint with parallel jaw	3
449.1				Plastic jaw for 449 PYTHON	3
461 Bi			160	Diagonal cutting nippers	3
584				Steel wire cutter "Polly"	3
605 TBI			3X80	Flat screwdriver TBI	3
			4x100	Flat screwdriver TBI	3
615 TBI			1X80	Crosstip (PH) screwdriver TBI	3
			2x150	Crosstip (PH) screwdriver TBI	5
997.1			150 mm	Hooks	90
998 B			1000x570x1590	Mobile merchandiser with full wall	1
1600A				Set of bike tools - 5 pcs	3
1600B				Set of bike tools - 9 pcs	1
1600 C				Set of bike tools -14 pcs	1
1607			35,8 mm 36,3 mm	Bottom bracket shell installation tool	1



Art.		Dim.		
1608		XTR ( M 950) Dura Ace ( ZA STARE MODELE)	Bottom bracket tool	3
1609		Shimano XTR - FC - M960; XT FC - M 760, Saint FC M 800, RACE FACE X - TYPE, FSA MEGAE X, TRUATIV GIGA X PIPE.	Lockring wrench	3
1610		15x15	Pedal wrench	3
		15x17	Pedal wrench	3
		15x9/16	Pedal wrench	3
1612		13x14x15x17	Hub cone wrench	3
		13x14x15x16	Hub cone wrench	3
1612A		8x9	Open end wrench - short	3
		10x11	Open end wrench - short	3
		12x13	Open end wrench - short	3
		14x15	Open end wrench - short	3
1612PB		2 pcs.	Set of cone wrench	1
1613			Pedal wrench, profi	3
1615			Ball race remover	1
1616			Ball race remover	1
1617		30	Cone wrench, single sided	3
		32	Cone wrench, single sided	3
		34	Cone wrench, single sided	3
		36	Cone wrench, single sided	3
		40	Cone wrench, single sided	3
		42	Cone wrench, single sided	3
		44	Cone wrench, single sided	3
		13	Cone wrench, single sided	3
		14	Cone wrench, single sided	3
		15	Cone wrench, single sided	3
		16	Cone wrench, single sided	3
		17	Cone wrench, single sided	3
		18	Cone wrench, single sided	3
		19	Cone wrench, single sided	3
		20	Cone wrench, single sided	3
1618		36	Cone wrench, single sided, offset	3
1621		14x15	Ratcheting hub nut wrench	3
1621A		14 mm , HX 8	Ratcheting hub wrench 14 mm socket and 8 mm allen head	3
1630		S3,3	Spoke wrench	3
		S3,45	Spoke wrench	3

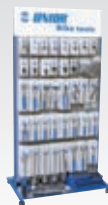


## 1600 M

Art.		Dim.		
1630A		3.3	Spoke wrench	3
		3.3	Spoke wrench	3
1631			Tripple spoke wrench	3
1640			Chain rivet pliers	3
1640.1			Replaceable pin for chain rivet pliers	10
1642			Inner wire pliers	3
1643			Chain checker, profi	3
1644			Chain wear indicator	3
1647			Screw type chain tool	3
1647.1			Replace pin for screw type chain tool	10
1660			Freewheel remover	3
1661			Crank puller and wrench	3
1669			Pocket spoke and freewheel remover wrench	10
1670			Freewheel remover	3
1670.1		Shimano, SRAM, Sachs, Aris, Sun Race	Freewhell remover	3
1670.2		Sountour	Freewhell remover	3
1670.3		Sountour	Freewhell remover	3
1670.4		Compagnolo	Freewheel	3
1670.5		Shimano, SRAM, Sun Tour, Chris King, Sun Race	Freewhell remover	3
1670.6		BMX	Freewhell remover	3
1670.7		Shimano, SRAM, Sun Race, Sun Tour	Freewhell remover	3
1671.1		Shimano	Cartride bottom bracket	3
1671.2		Shimano, XTR BB - 950, Bontrager, Truvativ ISIS	Chainring lockring and bottom bracket tool	3
1680		1", 1 1/8", 1 1/4" 1 1/2"	Bearing cup press	1
1681		1", 1 1/4", 1 1/8", 1 1/2"	Head set cup remover	3
1682		1" - 1 1/8"	Threadless nut setter	3
1683		1", 1 1/4", 1 1/8"	Crown race setting system	3
OK1		165 x 75	Packaging	60
OK2		250 x 95	Packaging	60
OK3		310 x 100	Packaging	65

**1600 K SET OF BIKE TOOLS – 539 PCS ON MOBILE DISPLAY STAND**

Code	EAN
617288	172880
















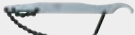




Art.			Dim.			
125/1			22	Freewhell remover		
183			8x10	Freewheel		5
			10	Freewhell remover		5
190			14	Freewhell remover		5
			15	Freewhell remover		5
			8	Cartride bottom bracket		5
190.1ABI				Chainring lockring and bottom bracket tool		3
192 HX			8	Bearing cup press		5
			2.5	Head set cup remover		5
			3	Threadless nut setter		5
			3.5	Crown race setting system		5
			4	Portable wheel dishing gauge		5
193 HX			4.5	Frame and fork end alignment gauge tool		5
			5	Frame taps		5
			6	Frame taps		5
			7	Frame taps		5
			8	Pedal taps ( left + right)		5
			10	Pedal taps,left		5
193TX			25	Pedal taps, right		5
220 L PH				Pedal taps ( left + right)		5
236 HX			8	Tool for alignment of pedal taps - right (10 pcs)		5
238.1ABI				Tool for alignment of pedal taps (10 pcs)		3
			8	Tool for alignment of pedal taps - left (10 pcs)		5
238			10	Tool for alignment of pedal taps (10 pcs)		5
			14	Fork threading tool		5
			15	cutting guide 1"x24		5
250			300	Bottom bracket tapping facing tool		5
			100	Packaging		5
253 A				Packaging		5
260				Packaging		1
264				Packaging		1
405 BI			180	Packaging		3
442 Hypo			240	Packaging		3
449 Python			240	Waterpump box joint with parallel jaw		3
449.1				Plastic jaw for 449 PYTHON		3
461 Bi			160	Diagonal cutting nippers		3
584				Polly pliers		5



## 1600 K

Art.	Dim.			
605 TBI		3X80	Flat screwdriver TBI	5
		4x100	Flat screwdriver TBI	5
615 TBI		1X80	Crosstip (PH) screwdriver TBI	5
		2x150	Crosstip (PH) screwdriver TBI	5
701A			Screw pitch gauges	1
819A			Bumping hammer	2
997.1		150 mm	Hooks	130
998 B		1000x570x1590	Mobile merchandiser with full wall	1
1600 A			Set of bike tools - 5 pcs	5
1600 B			Set of bike tools - 9 pcs	3
1600 C			Set of bike tools - 14 pcs	3
1607		35,8 mm 36,3 mm	Bottom bracket shell installation tool	3
1608		TR ( M 950) Dura Ace ( ZA STARE MODELE)	Bottom bracket tool	3
1609		Shimano XTR - FC - M960; XT FC - M 760, Saint FC M 800, RACE FACE X - TYPE, FSA MEGAE X, TRUATIV GIGA X PIPE.	Lockring wrench	5
		15x15	Pedal wrench	5
1610		15x17	Pedal wrench	3
		15x9/16	Pedal wrench	3
1612		13x14x15x17	Hub cone wrench	5
		13x14x15x16	Hub cone wrench	5
		8x9	Open end wrench - short	5
1612A		10x11	Open end wrench - short	5
		12x13	Open end wrench - short	5
		14x15	Open end wrench - short	5
1612PB		2 pcs.	Set of cone wrench	2
1613			Pedal wrench, profi	5
1615			Ball race remover	2
1616			Ball race remover	5

## 1600 K

Art.		Dim.		
1617		30	Cone wrench, single sided	5
		32	Cone wrench, single sided	5
		34	Cone wrench, single sided	5
		36	Cone wrench, single sided	5
		40	Cone wrench, single sided	5
		42	Cone wrench, single sided	5
		44	Cone wrench, single sided	5
		13	Cone wrench, single sided	5
		14	Cone wrench, single sided	5
		15	Cone wrench, single sided	5
		16	Cone wrench, single sided	5
		17	Cone wrench, single sided	5
		18	Cone wrench, single sided	5
		19	Cone wrench, single sided	5
		20	Cone wrench, single sided	5
1618		36	Cone wrench, single sided, offset	5
1621		14x15	Ratcheting hub nut wrench	5
1621A		14 mm , HX 8	Ratcheting hub wrench 14 mm socket and 8 mm allen head	5
1630		S3,3	Spoke wrench	5
		S3,45	Spoke wrench	5
1630A		3.3	Spoke wrench	5
		3.3	Spoke wrench	5
1631			Tripple spoke wrench	5
1640			Chain rivet pliers	5
1640.1			Replaceable pin for chain rivet pliers	10
1642			Inner wire pliers	5
1643			Chain checker, profi	5
1644			Chain wear indicator	5
1647			Screw type chain tool	5
1647.1			Replace pin for screw type chain tool	10
1660			Freewheel remover	5
1661			Crank puller and wrench	5
1669			Pocket spoke and freewheel remover wrench	10
1670			Freewheel remover	5
1670.1		Shimano, SRAM, Sachs, Aris, Sun Race	Freewheel remover	5



## 1600 K

Art.		Dim.		
1670.2		Sountour	Freewhell remover	3
1670.3		Sountour	Freewhell remover	3
1670.4		Compagnolo	Freewheel	5
1670.5		Shimano, SRAM, Sun Tour, Chris King, Sun Race	Freewhell remover	5
1670.6		BMX	Freewhell remover	3
1670.7		Shimano, SRAM, Sun Race, Sun Tour	Freewhell remover	5
1671.1		Shimano	Cartride bottom bracket	5
1671.2		Shimano, XTR BB - 950, Bontrager, Truvativ ISIS	Chainring lockring and bottom bracket tool	5
1680		1", 1 1/8", 1 1/4" 1 1/2"	Bearing cup press	3
1681		1", 1 1/4", 1 1/8", 1 1/2"	Head set cup remover	3
1682		1" - 1 1/8"	Threadless nut setter	3
1683		1"; 11/4", 11/8	Crown race setting system	3
1691			Portable wheel dishing gauge	1
1692			Frame and fork end alignment gauge tool	3
1695		M3	Frame taps	1
		M5	Frame taps	1
		M10	Frame taps	1
1695.1		M16x1,25	Pedal taps ( left + right)	1
1695.1AI		5/8"x24	Pedal taps, left	1
1695.1AR		5/8"x24	Pedal taps, right	1
1695.2		M16x1	Pedal taps ( left + right)	1
1695.3		M16x1/M14x1,25	Tool for alignment of pedal taps - right (10 pcs)	5
1695.3A		5/8"x24	Tool for alignment of pedal taps (10 pcs)	5
1695.4		M16x1/M14x1,25	Tool for alignment of pedal taps - left (10 pcs)	5
1695.4A		5/8"x24	Tool for alignment of pedal taps (10 pcs)	5
1696		1"x24	Fork threading tool	2
1696.1		1"x24	cutting guide 1"x24	1
1697		BSA (1,37" x 24tpi)	Bottom bracket tapping facing tool	2
OK1		165x95	Packaging	90
OK1		250x95	Packaging	95
OK1		310x100	Packaging	95