

FULL PRODUCT RANGE

The red ones with the yellow dot.

VBW[®]

The world of pliers



 Made in
GERMANY



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The design dimensions given in this catalogue are approximate and thus not binding – subject to change without prior notice. Illustrations are as close to the original as possible – however, models are subject to modification without prior notice, e.g. where enhancements to design and functionality are implemented. All products are designed to conform with existing legislation on safety as applied to handtools and similar technical products.

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CONSTRUCTION

SANITARY
INSTALLATIONS

UNIVERSAL
PLIERS,
CUTTERS &
WRENCHES

ELECTRICS

SPECIAL-
PURPOSE
PLIERS &
WRENCHES

ANCILLARY
TOOLS

SPECIAL
SOLUTIONS



THE WORLD OF PLIERS & CUTTERS

VBW[®] Werkzeugfabrik GmbH:

A strong brand with its own manufacturing facilities in Germany

Since its founding in 1828, VBW has maintained its leading market position as a capable contact for trade dealers and has, for over ten years, also been integrated in the STAHLWILLE Group.

Our clearly-structured, well-defined 3-tier sales organisation (covering industry – the wholesale trade – specialist craftsmen and craftswomen) is a keystone of this company's philosophy and is applied on a daily basis.

Thanks to this approach, VBW has succeeded in achieving a very high standard of acceptance among trade dealers. It is these customers, in particular, that appreciate the consistent exclusivity and unique features of VBW products.

With a range of well over 1,000 products for such key tool families as bolt-cutters, waterpump pliers, plumber's wrenches

and many other kinds of pliers, cutters & wrenches of all designs, we are well situated in the market and supply far more than just conventional needs. VBW – is the world of pliers.

To make sure that the supply of our products and our support services are smoothly deployed, we have a tight network of sales professionals throughout Germany and many representatives abroad. These teams are supplemented by skilled, qualified sales staff in-house with many years' experience, enabling each customer to have one dedicated contact.

In our day-to-day work, the customer is the focus of what we do. YOU are important to us!

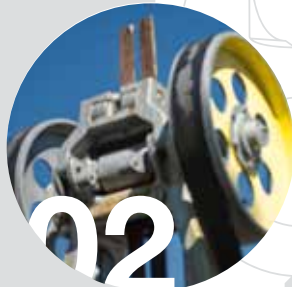
Our high-performance services = your benefit. Try us and find out for yourself.



As a result of our in-house tool know-how in conjunction with the skills in our design team, our capabilities extend even farther:

PATENTED PRODUCTS

One example of patented know-how is the high-performance LightCUT® series.



02

REGULAR QUALITY MONITORING

and optimisation of production and forging processes guarantee long-term, consistently high quality standards.



04

BESPOKE CONSTRUCTIONS

Every day, problem-solving solutions commissioned by our customers and customer-specified products leave our factory.



01

UNIQUE SELLING POSITION

The LightCUT® series of bolt-cutters and cutters for welded wire-mesh are a fine example of our unique position.



03

MADE IN GERMANY

It is both our intention and our commitment to provide customers with professional-standard "made in Germany" tools from the most comprehensive selection of products and to support them in any way we can.



05



SIMPLE, ACCURATE ADJUSTMENT OF THE ECCENTRIC SCREWS AND PIVOT BOLT TO PRESCRIBED TORQUES

OIL REGULARLY TO ENSURE SMOOTH ACTION

CUTTING FORCE
UP TO 48 HRC

CUTTERHEAD MADE OF HIGH-
GRADE SPECIAL STEEL

HIGH-GRADE STEEL PIPES

NOTE: ILLUSTRATION SHOWS
ORDER NO. 980, REFER TO P. 013

RUBBER-COVERED
BUFFER STOP

Cutters for bolts & welded wire-mesh for professionals on-site

All VBW cutters for bolts & welded wire-mesh are crafted from the highest-grade special steel available, starting with the cutterhead and joint, through to the pipes. We will ensure that, at the end of the process, we have a high-grade tool for first-class professionals.

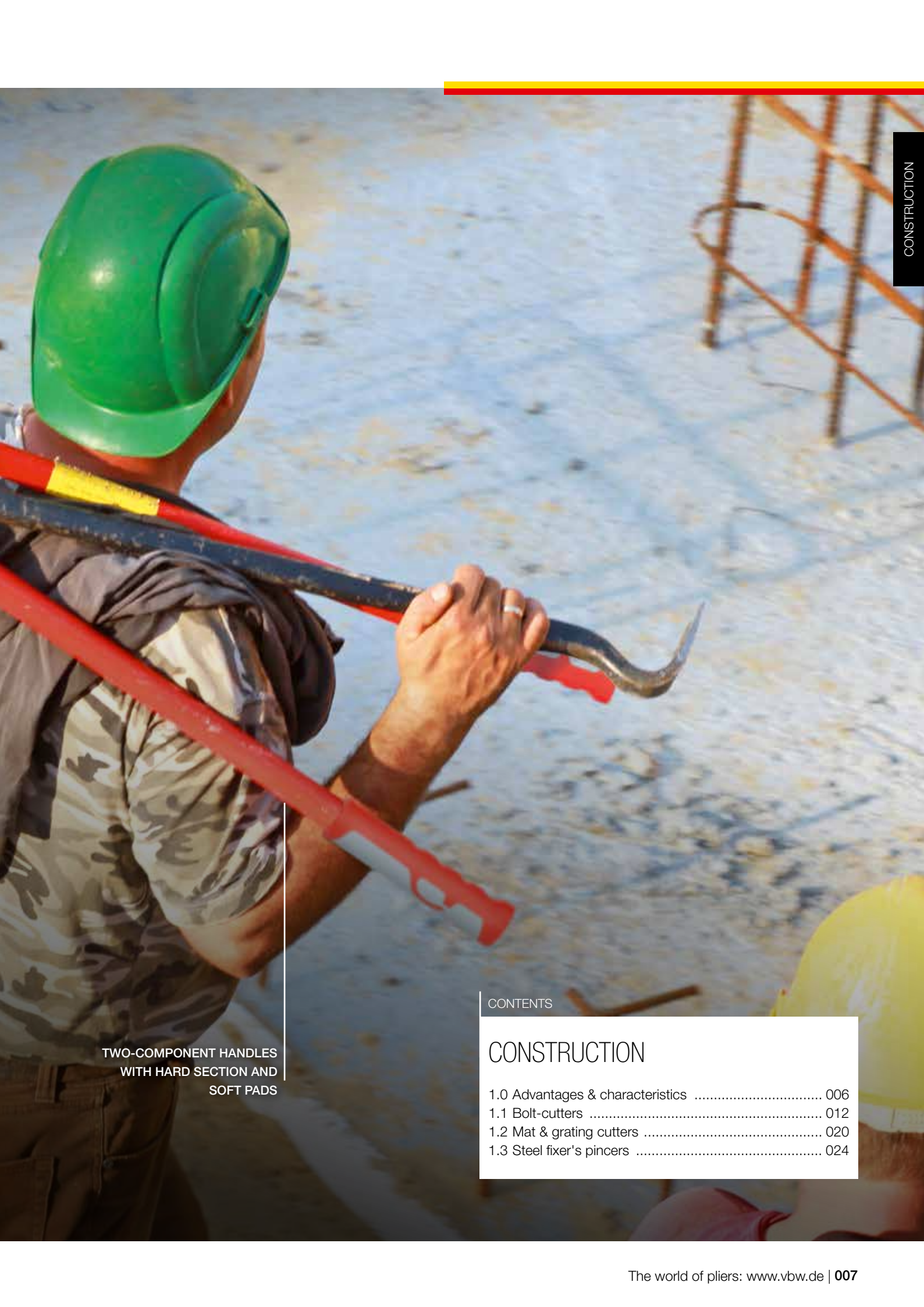
Our VBW tools offer you a broad selection of different types & finishes.

Whether it is VBW compact bolt cutters with a total length of only 390 mm for work in confined spaces or VBW long-reach cutters

with a length of 1,000 mm – the problem-solver for hard-to-reach places, such as the 1st and 2nd layers – we are sure to find you the ideal solution.

Our patented LightCUT® family of tools is worthy of special note:

Thanks to the use of high-quality, sturdy aluminium tubing, resulting in a "featherweight" tool starting at only 2,300 g, you can be sure of accurate results and strain-free, back-saving working.



TWO-COMPONENT HANDLES
WITH HARD SECTION AND
SOFT PADS

CONTENTS

CONSTRUCTION

1.0 Advantages & characteristics	006
1.1 Bolt-cutters	012
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GOOD TO KNOW

The efficiency of the cutterhead is determined to a large extent by the cutter geometry. In reality the bolt cutter is not a cutter, at all. Since it does not have sharp knives, the "cutting" process is more a separating process as the two cutters penetrate the material simultaneously and simply cause a defined rupture.

A number of factors play a crucial and decisive role in ensuring the functionality, effectiveness and lifetime of the tool.

IMPORTANT: The greatest cutting force is achieved if the first nick is applied with the tip of the cutterhead before applying the full width of the cutters to the material to be cut. Always hold the tool straight and at right angles to the workpiece.

In addition, the results of the cutting process and the lifetime of the VBW professional bolt-cutters & cutters for welded wire-

mesh will depend, amongst other things, on the angle at which the cutters are ground and their radius – we have compiled the key stages in the production process (illustration on right).

VBW bolt-cutters & cutters for welded wire-mesh are manufactured in many individual steps under the close watch of our quality assurance inspectors and on the basis of the manufacturing workflows.

Uncompromising cutting performance is provided by VBW's hand-picked, high-grade alloy CrV special steels. These points together explain why our tools provide outstanding cutting results up to 48 HRC.

Key steps in the production process:

FORGING

First, the cropped blanks are heated to an extremely high shaping temperature.



01

ANNEALING

The blanks are annealed to an accurately controlled temperature and then slowly allowed to cool.



02

HARDENING AND TEMPERING

Once finished, the cutters are hardened and tempered at high temperatures to ensure optimum core strength and toughness.



03

HARDENING

The surface layer of the cutting edges of the hardened and tempered cutters is heated beyond the annealing temperature, quenched and then hardened at a lower temperature to achieve the required HRC hardness rating (Rockwell) and optimum wear-resistance.



04

Details can be found here: vbw.de





LightCUT® FAMILY



PATENTED TOOLS MADE WITH
ALUMINIUM TUBING (HIGH-
STRENGTH AND SLIGHTLY OVAL)

Extremely light but unbelievably strong: our patented LightCUT® technology.

ACCURATE RESULTS

IMPACT ABSORBING
BUFFERS

01 430LC Bolt-cutters
See page 013



02 980LC Bolt-cutters
See page 014

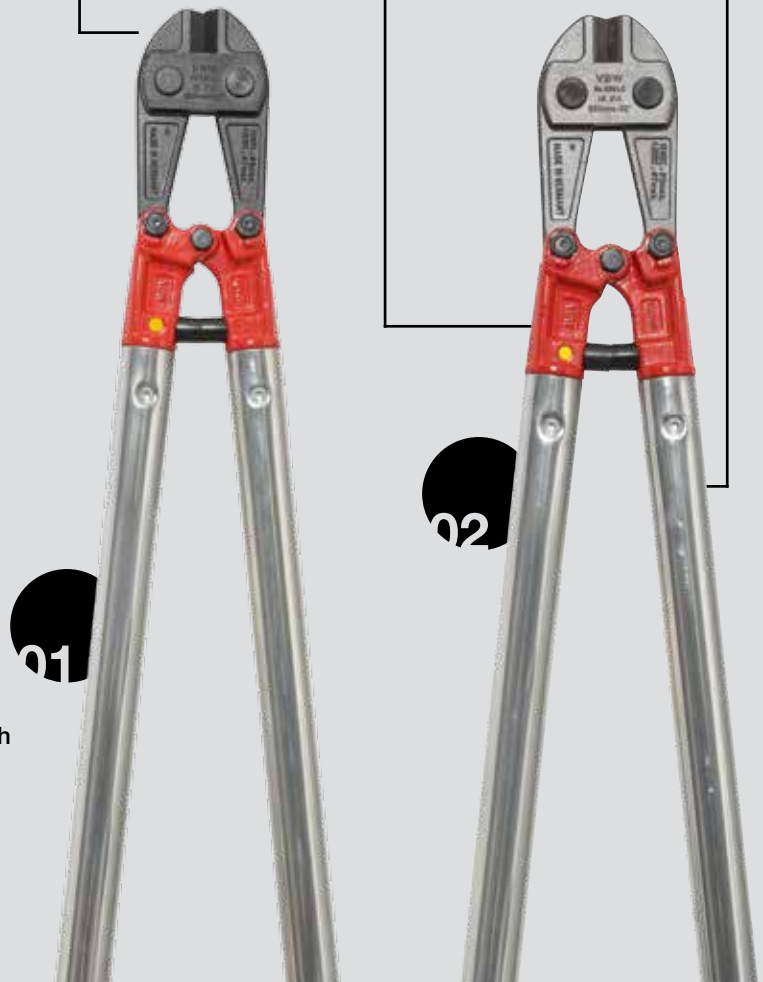
03 984LC Bolt-cutters
See page 014

04 438LC Flush-cut bolt cutters
See page 018

05 435LC Cutters for welded wire-mesh
See page 020

06 435LC-T Telescopic cutters for welded wire-mesh
See page 021

07 980LC-T Telescopic bolt cutters
See page 019



HIGH-GRADE TWO-COMPONENT
HANDLES WITH HARD SECTION
AND SOFT PADS

CUTTERHEAD AND TUBE HEAD
MADE OF SPECIAL STEEL

TELESCOPIC HANDLES

BACK-SAVING WORK THANKS TO
FEATHER-LIGHT TOTAL WEIGHT
STARTING AT 2,300 GRAMS





430 UNIBOLT® bolt-cutters

Suitable for hard materials up to 48 HRC



Spare cutterhead with retaining screws

MAIN PRODUCT UNIBOLT® bolt-cutters, red lacquered

	mm	Imperial	19 HRC	45 HRC	48 HRC						
430005	460	18	8	6	5						2050
430010	610	24	9	8	7						2816
430015	760	30	11	9	8						4328
430020	910	36	13	11	9						6730
430025	1070	42	16	11	10						8410

REPLACEMENT* Cutterhead with retaining screws

430136	460	18	8	6	5						600
430137	610	24	9	8	7						910
430138	760	30	11	9	8						1425
430139	910	36	13	10	9						2025

REPLACEMENT Cutterhead with retaining screws ID 022

430140	1070	42	16	11	10						2835
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DETAILS

Top-of-the-range quality with the yellow dot

Cutting force up to 48 HRC

Cutter and tube head made of special steel

Drop-forged

Hardened and tempered to high standards

Simple, accurate adjustment of the cutters thanks to eccentric screws

Reduced effort required due to optimum geometry

Endstop with extra-large buffer

*The spare cutterhead 430137 also fits model 430 (610 mm long) and model 430 LC (800 mm long)



Spare cutterhead with retaining screws

445 End-cutting bolt cutters

Offset cutterhead allows flush cutting

MAIN PRODUCT End-cutting bolt cutters, red lacquered

	mm	Imperial	19 HRC	45 HRC							
445010	630	24.8	8	6							2985

REPLACEMENT Cutterhead with retaining screws

445135	630	24.8	8	6							1030
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DETAILS

Cutting force up to 40 HRC

Highly accurate cutterhead made of special chrome vanadium steel

Drop-forged cutterhead

Stepless adjustment

Endstop with extra-large buffer

Hardened and tempered to high standards, cutter width 28 mm

For reinforcing steel classes III + IV to DIN 488 - strength approx. 550 N/mm²

For steel reinforcing rounds and hardened steel wire up to 1226 N/mm² (HRC 40)





430LC LightCUT® bolt-cutters

Suitable for hard materials up to 48 HRC



Spare cutterhead with retaining screws



MAIN PRODUCT LightCUT® bolt-cutters, red lacquered, aluminium tubing

	mm	Imperial	19 HRC	45 HRC	48 HRC															
430050	800	32	10	8	7															2630

REPLACEMENT* Cutterhead with retaining screws

430137	610	24	9	8	7															910
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DETAILS

Top-of-the-range quality with the yellow dot
 Noticeably lighter due to high strength light alloy handles
 Cutting force up to 48 HRC
 Cutter and tube head made of special steel
 Drop-forged
 Hardened and tempered to high standards
 Simple, accurate adjustment of the cutters thanks to eccentric screws
 Reduced effort required due to optimum geometry
 Endstop with extra-large buffer
 *The spare cutterhead 430137 also fits model 430LC (800 mm long) and model 430 (610 mm long)
 German patent

980 WAGGONIT® bolt-cutters

Suitable for hard materials up to 48 HRC



Spare cutterhead with retaining screws



MAIN PRODUCT WAGGONIT® bolt-cutters, red lacquered

	mm	Imperial	19 HRC	45 HRC	48 HRC																	
980005	460	18	8	6	5																2013	
980010	610	24	9	8	7																	2800
980015	760	30	11	9	8																	4287
980020	910	36	13	11	9																	6438

REPLACEMENT* Cutterhead with retaining screws

980135	460	18	8	6	5																	601	
980136	610	24	9	8	7																		892
980137	760	30	11	9	8																		1387
980138	910	36	13	10	9																		1979

DETAILS

Cutting force up to 48 HRC
 Cutter and tube head made of special steel
 Drop-forged
 Reduced effort required due to optimum geometry
 Endstop with extra-large buffer
 Hardened and tempered to high standards
 Simple, accurate adjustment of the cutters thanks to eccentric screws
 *The spare cutterhead 980136 also fits model 980 (610 mm long) and model 980LC (800 mm long)



Spare cutterhead with retaining screws



980LC LightCUT® bolt-cutters

Suitable for hard materials up to 48 HRC



MAIN PRODUCT LightCUT® bolt-cutters, red lacquered, aluminium tubing

	mm	Imperial	19 HRC	40 HRC	48 HRC															
980050	800	32	10	8	7															2650

REPLACEMENT* Cutterhead with retaining screws

980136	610	24	9	8	7															892
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DETAILS

Noticeably lighter due to high strength light alloy handles
Cutting force up to 48 HRC
Cutter and tube head made of special drop-forged steel
Reduced effort required due to optimum geometry
Endstop with extra-large buffer
Simple, accurate adjustment of the cutters thanks to eccentric screws
Hardened and tempered to high standards
*The spare cutterhead 980136 also fits model 980LC (800 mm long) and model 980 (610 mm long)
German patent



Spare cutterhead with retaining screws



984LC LightCUT® bolt & offset cutters

Particularly suited to cutting in corners and close to a wall



MAIN PRODUCT LightCUT® bolt-cutters, red lacquered, aluminium tubing

	mm	Imperial	19 HRC	40 HRC	48 HRC															
984050	800	32	11	9	8															2900

REPLACEMENT Cutterhead with retaining screws

434135	1000	40	11	9	8															1105
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DETAILS

Noticeably lighter due to high strength light alloy handles
Cutting force up to 48 HRC
Cutter and tube head made of special drop-forged steel
Endstop with extra-large buffer
Reduced effort required due to optimum geometry
*Simple, accurate adjustment of the cutters thanks to eccentric screws
Hardened and tempered to high standards, German patent



LightCUT® MODELS (LC) THANKS TO THEIR VERY LOW WEIGHT, THEY MAKE WORK FAR EASIER THAN CONVENTIONAL BOLT-CUTTERS – IMPROVED WORKING PERFORMANCE AND BETTER FOR YOUR HEALTH.



433 CombiCUT® compact bolt-cutters

Particularly suited to cutting with little effort



Spare cutterhead with retaining screws



MAIN PRODUCT Compact bolt-cutters, red lacquered, ergonomic handles

	mm	Imperial	19 3/4" HRC	45 56 HRC	48 58 HRC															
433020	390	14	7	5	4															1370

REPLACEMENT Cutterhead with pins and circlips

433125	390	14	7	5	4															400
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DETAILS

Top-of-the-range quality with the yellow dot
 On average, 25% less effort required to make cuts
 Compact, handy model
 Endstop with extra-large buffer
 Highly accurate cutterhead made of special chrome vanadium steel
 Cutter head and tubular head are drop-forged
 No adjustment of the cutter necessary
 Hardened and tempered to high standards
 Registered design
 Ergonomically designed plastic handles designed with the specific application in mind

433v CombiCUT® compact end-cutting bolt cutters

Particularly suitable for flush cutting thanks to offset cutterhead



Replacement cutterhead with pins and circlips



MAIN PRODUCT End-cutting bolt cutters, red lacquered, ergonomic handles

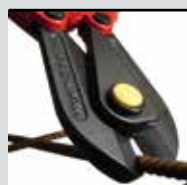
	mm	Imperial	19 3/4" HRC	45 56 HRC	48 58 HRC															
433040	370	13	7	5	4															1390

REPLACEMENT Cutterhead with pins and circlips

433145	370	13	7	5	4															410
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DETAILS

Top-of-the-range quality with the yellow dot
 Around 12% less effort required to make cuts
 Cutting force up to 48 HRC
 Compact, handy model
 Endstop with extra-large buffer
 Highly accurate cutterhead made of special chrome vanadium steel
 Cutter head and tubular head are drop-forged
 Ergonomically designed plastic handles designed with the specific application in mind
 Hardened and tempered to high standards



VBW COMPACT BOLT CUTTERS ARE EXTREMELY VERSATILE TOOLS. TYPICAL USERS ARE MECHANICS, BRICKLAYERS, REINFORCED-CONCRETE WORKERS, ROOFERS, ROAD AND SEWER BUILDERS, AGRICULTURAL WORKERS AND AGRICULTURAL MACHINERY WORKSHOPS, POLICE, FIRE BRIGADES, THE ARMED FORCES, CHANDLERS, BICYCLE SHOPS AND FACILITY MANAGERS. THE PROBLEM-SOLVER FOR SPECIAL APPLICATIONS IN CONFINED SPACES.



434 Bolt-cutters, angled long-reach cutters

Particularly suited to cutting the 1st and 2nd layers, in corners and close to a wall

MAIN PRODUCT Bolt-cutters, red lacquered

	mm	Imperial		19 HRC	40 HRC	48 HRC			
434025	1000	40	230	11	9	8			5400

REPLACEMENT* Cutterhead with retaining screws

434135	1000	40		11	9	8			1105
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REPLACEMENT* Adjusting screw/eccentric screw

434081									
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Exclusively available from VBW:
THE PROBLEM SOLVER



Spare cutterhead with retaining screws

DETAILS

Cutting force up to 48 HRC

Cutter and tube head made of special steel

20° offset cutters enable access to awkward corners

Endstop with extra-large buffer

Drop-forged

*Simple, accurate adjustment of the cutters thanks to eccentric screws

*Spare cutterhead also fits model 984

TYPICAL APPLICATION

Simple cutting in the 1st and 2nd layers

The blunt tips to the cutters and the 20° cutting angle coupled with the special shape of the tubular head make cutting at the lowest part of the trench an easy matter, even if the material to be cut is up against a wall.

- > Angled long-reach cutters
- > Top-of-the-range quality with the yellow dot
- > Time-saving cutting in the 1st and 2nd layers thanks to special head design





437 Flush-cut bolt cutters

With offset cutters, particularly well suited to flush cutting of steel reinforcing wires on reinforced concrete walls and for shaping gabion baskets

MAIN PRODUCT Bolt-cutters, red lacquered

	mm	Imperial	19 HRC	45 HRC	48 HRC	40°	438 mm	438 Imperial	
437002	460	18	8	6	5	40°			1905
437005	610	24	9	8	7	30°			2830

REPLACEMENT Cutterhead with retaining screws

437131	460	18	8	6	5	40°			500
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REPLACEMENT* Cutterhead with retaining screws

437133	610	24	9	8	7	30°	800	32	995
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Spare cutterhead with retaining screws

DETAILS

For flush-cutting of rebars up to 48 HRC

Endstop with extra-large buffer

Cutter and tube head made of special steel

Simple, accurate adjustment of the cutters thanks to eccentric screws

Drop-forged

*The spare cutterhead 437133 also fits model 437 (610 mm long) and model 438LC (800 mm long)



TYPICAL APPLICATION

For flush-cutting up to 48 HRC

Particularly well suited to flush-cutting of steel rebars on reinforced concrete walls and for shaping gabion baskets.

- > Flush-cut bolt cutters
- > Top-of-the-range quality with the yellow dot
- > With offset, adjustable knives





438LC 30° LightCUT® flush-cut bolt cutters

With offset cutters, particularly well suited to flush cutting of steel rebars on reinforced concrete walls and for shaping gabion baskets



Spare cutterhead with retaining screws



MAIN PRODUCT LightCUT® flush-cut bolt cutters, red lacquered, aluminium tubing

	mm	Imperial	19 mm	40 mm	48 mm	30°	438 mm	438 imperial	
438050	800	32	10	8	7	30°			2285

REPLACEMENT* Cutterhead with retaining screws

437133	610	24	9	8	7	30°	800	32	995
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DETAILS

Top-of-the-range quality with the yellow dot
Noticeably lighter due to high strength light alloy handles
With offset, adjustable knives
Endstop with extra-large buffer
Cutter and tube head made of special drop-forged steel
*The spare cutterhead also fits model 438LC (800 mm long) and model 437 (610 mm long)
German patent

439 Bolt-cutters with double-sided cutters

Features double-sided cutters that can be simply turned over



Spare cutterhead with retaining screws



MAIN PRODUCT Bolt-cutters, red lacquered

	mm	Imperial	19 mm	40 mm					
439005	460	18	7	6					1945
439010	610	24	9	8					3145
439015	760	30	11	9					4280
439020	910	36	13	13					7530

REPLACEMENT Cutterhead with retaining screws

439131	460	18	7	6					708
439132	610	24	9	8					1116
439133	760	30	11	9					1814
439134	910	36	13	10					2541

DETAILS

Top-of-the-range quality with the yellow dot
Cutting force up to 40 HRC
Double-sided cutters can be turned over
With adjustable knives
Endstop with extra-large buffer
Cutter and tube head made of special steel
Drop-forged



THE DOUBLE-SIDED CUTTERS ENABLE **QUICK AND EASY CUTTER CHANGES**.
THIS MEANS THE FUNCTIONALITY AND AVAILABILITY OF THE BOLT-CUTTERS ARE CONSIDERABLY HIGHER.



Spare cutterhead with retaining screws



980LC-T Bolt-cutters LightCUT® telescopic

Telescopic from 800 to 570 mm in one step



MATERIAL LightCUT® bolt-cutters, red lacquered, aluminium tubing

	mm	Imperial	19 HRC	45 HRC	48 HRC				
980030	800	32	10	8	7				2650

REPLACEMENT* Cutterhead with retaining screws

980136	610	24	9	8	7				892
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DETAILS

- Noticeably lighter due to high strength light alloy handles
- Cutting force up to 48 HRC
- Cutter and tube head made of special drop-forged steel
- Reduced effort required due to optimum geometry
- Endstop with extra-large buffer
- Simple, accurate adjustment of the cutters thanks to eccentric screws
- Hardened and tempered to high standards
- *The spare cutterhead 980136 also fits model 980LC (800 mm long) and model 980 (610 mm long)
- German patent

INNOVATIVE NEW PRODUCT – AVAILABLE EXCLUSIVELY FROM VBW

Telescopic for use in confined spaces

Our LightCUT® construction (LC) allows considerably easier working than conventional welded wire-mesh cutters. Improved working performance and better for your health. Telescopic design provides much improved flexibility in terms of both storage and application.

01

Space-saving design, the preferred choice for fire brigades and rescue services

02

Telescoping, convenient storage in tool box

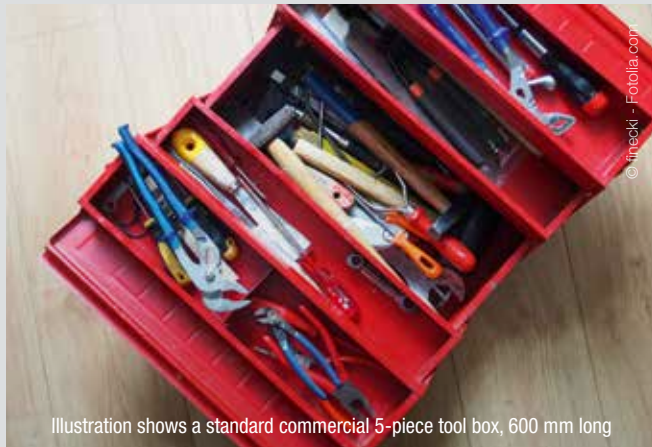
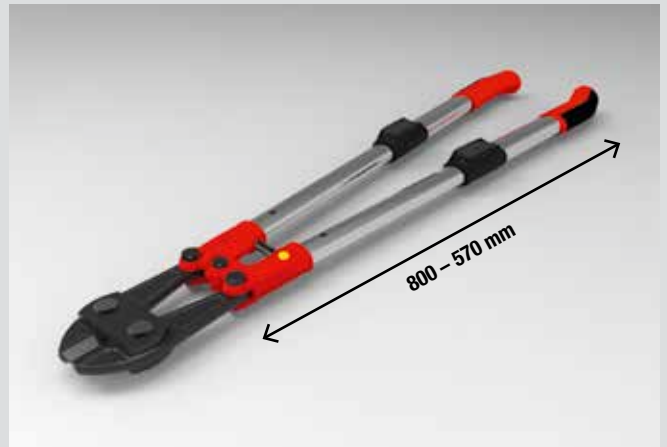


Illustration shows a standard commercial 5-piece tool box, 600 mm long





435LC LightCUT® cutters for welded wire-mesh

Suitable for flush cutting



Spare cutterhead with retaining screws



MAIN PRODUCT LightCUT® cutters for welded wire-mesh, red lacquered, aluminium tubing

	mm	Imperial	19 HRC	45 HRC	48 HRC															
435005	800	32	11	9	2 x 8	5														2650
435010	1000	40	11	9	2 x 8	6														2924

REPLACEMENT Cutterhead with retaining screws

435133			11	9	2 x 8	6														920
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DETAILS

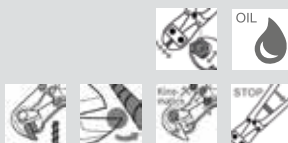
Top-of-the-range quality with the yellow dot
 Approx. 40% lighter due to high tensile strength light alloy handles
 Cutting force up to 48 HRC
 Small handle opening angle
 Little effort required
 Easy grip on construction steel parts lying flat
 Cutter and tube head made of special steel
 Adjustable knives
 Endstop with extra-large buffer
 Drop-forged
 Spare cutterhead: for models 800 and 1,000 mm long
 German patent

985 WAGGONIT® cutters for welded wire-mesh

Suitable for flush cutting



Spare cutterhead with retaining screws



MAIN PRODUCT Cutters for welded wire-mesh, red lacquered

	mm	Imperial	19 HRC	45 HRC	48 HRC																
985010	950	38	11	9	2 x 8	6															4500

REPLACEMENT Cutterhead with retaining screws

985135	950	38	11	9	2 x 8	6															1000
--------	-----	----	----	---	-------	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------

REPLACEMENT Adjusting screw incl. 2 nuts

980082																					20
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DETAILS

Cutting force up to 48 HRC
 Tried-and-tested model
 Cutter and tube head made of special drop-forged steel
 Little effort required
 Endstop with extra-large buffer
 Easy grip on construction steel parts lying flat
 Adjustable knives



435LC-T LightCUT® telescopic cutters for welded wire-mesh

Telescopic from 1,000 – 790 – 675 mm in two steps

MATERIAL LightCUT® cutters for welded wire-mesh, red lacquered, aluminium tubing

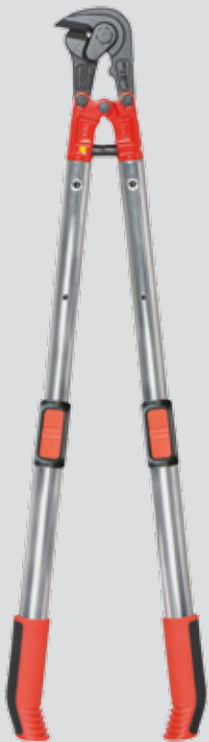
	mm	Imperial	19 HRC	45 HRC	48 HRC			
435030	1000	40	11	9	2 x 8	6		2924

REPLACEMENT Cutterhead with retaining screws

435133			11	9	2 x 8	6		920
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DETAILS

- Excellent value-for-money, irrespective of handle length
- Universally applicable
- Top-of-the-range quality with the yellow dot
- Approx. 40% lighter due to high tensile strength light alloy handles
- Cutting force up to 48 HRC
- Small handle opening angle
- Little effort required
- Easy grip on construction steel parts lying flat
- Cutter and tube head made of special steel
- Adjustable knives
- Endstop with extra-large buffer
- Drop-forged
- Spare cutterhead: for models 800 and 1,000 mm long
- German patent



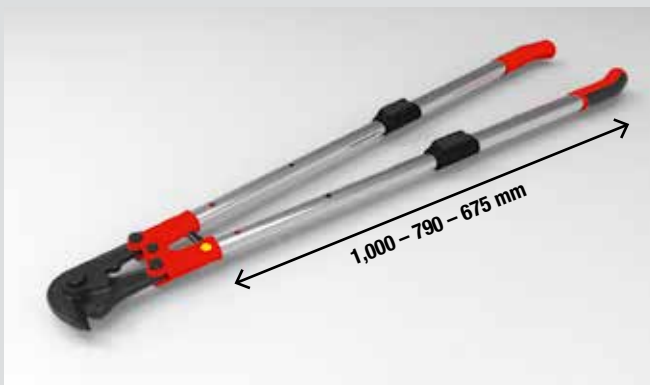
Spare cutterhead with retaining screws



INNOVATIVE NEW PRODUCT – AVAILABLE EXCLUSIVELY FROM VBW – IDEAL FOR FIRE AND RESCUE SERVICES – MINIMUM SPACE NEEDED

Telescopic for use in confined spaces

Our LightCUT® construction (LC) allows considerably easier working than conventional welded wire-mesh cutters. Improved working performance and better for your health. Telescopic design provides much improved flexibility in terms of both storage and application.



© Picture Factory - Fotolia.com



Spare cutterhead with retaining screws



996 BauCUT cutters for welded wire-mesh

Provides easy grip on construction steel parts lying flat

MAIN PRODUCT Cutters for welded wire-mesh, red lacquered

	mm	Imperial	19 HRC	40 HRC	48 HRC				
996010	950	38	11	9	2 x 8				3780

REPLACEMENT Cutterhead with retaining screws

996135	950	38	11	9	2 x 8				900
--------	-----	----	----	---	-------	--	--	--	-----

DETAILS

Cutting force up to 40 HRC
With adjustable knives
Little effort required
Endstop with extra-large buffer
Easy grip on construction steel parts lying flat



436 Cutters for welded wire-mesh, long-reach cutters

Provides easy grip on construction steel parts lying flat in hard-to-reach places



Spare cutterhead with retaining screws

Exclusively available from VBW:
THE PROBLEM SOLVER



MAIN PRODUCT Cutters for welded wire-mesh, red lacquered

	mm	Imperial	19 HRC	40 HRC	48 HRC	48 HRC				
436010	1000	40	230	11	9	8	6			5400

REPLACEMENT Cutterhead with retaining screws

436132	1000	40	230	11	9	2 x 8	6			950
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REPLACEMENT Centre adjusting screw

434081										
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DETAILS

Top-of-the-range quality with the yellow dot
Cutting force up to 48 HRC
Special tube head enables rapid-action cutting at the 1st and 2nd levels
Enables easy grip on construction steel parts lying flat
Adjustable knives
Endstops with buffers
Cutter and tube head made of special steel
Drop-forged



DUE TO THE SPECIAL SHAPE OF THE TUBULAR HEADS, IT IS EASILY POSSIBLE TO CUT REBARS THAT ARE UP TO 230 MM BELOW THE UPPERMOST MESH. REFER TO SAMPLE APPLICATION ON P. 016



Spare cutterhead with retaining screws and eccentric screws



480 EuroCUT grating and flat workpiece cutters

Suitable for cutting flat and round materials

MAIN PRODUCT Grating cutters, red lacquered

	mm	Imperial	30 mm	40 mm	50 mm	60 mm	70 mm	80 mm	90 mm	100 mm	Weight
480010	840	33	4 x 40	30							3188

REPLACEMENT Cutterhead with fasteners and eccentric screws

480133	840	33	4 x 40	30							766
--------	-----	----	--------	----	--	--	--	--	--	--	-----

DETAILS

Top-of-the-range quality with the yellow dot

Grating and flats cutter

Flats: Max. cutting capacity 40 x 4 mm, from a mesh size of 30 x 30 mm

Endstop with extra-large buffer

Cutter and tube head made of special steel

Drop-forged

14-PC. SET | CONSISTING OF:

3 x M8, 1 x M10, E: 2 x M8, 2 x M10, O: 3 x M8, 3 x M10



989 Set of cutterhead fasteners B0/MA universal

SET 14-pc. set in polythene pouch

980100	14 x										305
--------	------	--	--	--	--	--	--	--	--	--	-----

DETAILS

For attaching the cutterhead to the frame

For standard bolt-cutters (430, 434, 980)

Also for popular wire-mesh cutters (435, 436, 984, 985, 996)

24-PC. SET | CONSISTING OF:

7 x M8, 3 x M10, E: 2 x M8, 2 x M10, O: 3 x M8, 3 x M10, 3 x M12



989/1 Set of cutterhead fasteners B0 universal

SET 24-pc. set in polythene pouch

437100	24 x										515
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DETAILS

For attaching the cutterhead to the frame

For bolt-cutters 437, 438 and 439

Also for grating cutters 480



STEEL FIXER'S PINCERS

01

02

03

04

Binds, twists, cuts and tightens, all in one operation.
VBW steel fixer's pincers

Steel fixer's pincers or tower pincers are used mainly on rebars on construction sites for twisting binding wire and cutting it cleanly and easily.

Accurate working is guaranteed by the small, narrow head of VBW TopCUT steel fixer's pincers and VBW MasterCUT heavy-duty steel fixer's pincers.

This means our pincers can be used on even very fine jobs, e.g. extracting nails, clamps and similar objects.

01 The delimited opening angle of the TopCUT model simplifies single-handed opening and closing (registered design 20 2004 010 929.8)

02 Efficient, strain-free working

03 Little effort required for cutting thanks to optimised cutting tool geometry

04 High-grade tool steel every single tool is drop-forged and manufactured in accordance with DIN ISO 9242 in controlled processes.



510 TopCUT steel fixer's pincers

Suitable for binding, twisting and cutting

MATERIAL Black lacquered, polished head

		↔		↘ ↙		↖ ↗	
510005	224					6	340
510010	250					6	410
510015	280					6	460
510020	315					6	505

MATERIAL Black lacquered, polished head, red dip-coated plastic coating

510105	224					6	337
510110	250					6	417
510115	280					6	468
510120	315					6	500

DETAILS

Top-of-the-range quality with the yellow dot

Little effort required due to optimised cutter geometry

Opening angle delimited to facilitate single-handed cutting, protected under registered design 20 2004 010 929.8

Special steel, drop-forged, oil hardened

Very smooth action

Induction-hardened cutters provide excellent resistance to wear

DIN ISO 9242

512 MasterCUT heavy-duty steel fixer's pincers

Suitable for binding, twisting and cutting

MATERIAL Chromated, polished head

		↔		↘ ↙		↖ ↗	
512000	200					6	236
512020	300					6	475

MATERIAL Black lacquered, with polished head

512220	300					6	482
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DETAILS

Very little effort required for cutting due to extended leverage and optimised cutter geometry

Much reduced impact thanks to springy plier construction, making them ideal for continuous operation

Very slim design, ideal for binding rebars that are less easy to access

Special steel, drop-forged and induction-hardened cutters, oil hardened

Smooth-action

Extremely resilient

DIN ISO 9242





HIGH-GRADE
MATERIALS

Good to know

The many different and often complicated applications, exacerbated by problems involving tightening threaded fasteners and joints in this field require a variety of pliers & wrenches. In bathrooms and other sanitary installations, accuracy and high-quality working methods are essential to avoid serious damage resulting from leaking water pipes etc.

VBW pliers & wrenches are designed to meet all these challenges

From the classic waterpump pliers – the red ones with the yellow dot – and plumber's wrenches through to sophisticated X-Grip ABC pipe wrenches, whose universal jaw design makes them extremely versatile for numerous applications. Included among the most frequently used tools in the field of bathrooms

and sanitary installations are, without doubt, the wide-ranging group of plumber's wrenches and waterpump pliers. Plumber's wrenches are particularly designed for working with piping and are used to a large extent in connection with pipe installation fasteners and joints (union nuts, fittings etc.). This is a classic tool in sanitary installations, heating systems and air conditioning or venting systems.

Waterpump pliers differ from plumber's wrenches in the way they work. Waterpump pliers are self-locking as a result of the lever mechanism. The nut on the lower arm of a pipe wrench delimits the amount by which the jaws will open. This means it is not necessary to squeeze the two handles together to grasp the workpiece firmly. The coarse teeth in the jaws of the tool will bite into the surface of the pipes.



SANITARY INSTALLATIONS

CONTENTS

SANITARY INSTALLATIONS

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180 PowerGRIP adjustable spanners

Suitable for workpieces with parallel surfaces (nuts, screws etc.)

MATERIAL Chromium-plated, dip-coated, red

180305	192	180	36	11 x						275
180310	253	250	46	14 x						490
180315	300	300	60	18 x						640

DETAILS

PowerGRIP: High transmission ratio for noticeable boost to hand strength
Also ideal for bending thin parallel work pieces (e.g. metal sheets)
Rapid push-button setting with the tool on the workpiece
Infinitely adjustable, easy super-fine setting
Play-free, safe grasp for tightening fasteners and holding workpieces
Smooth parallel jaws to protect surface-coated workpieces
The tool offers a ratchet-like motion by allowing one jaw to open and close during tightening
Sliding box joint with VBW's typical twin supports
Extremely resilient overall construction, high-grade tempered finish
EP and US patent
In 2007, an international jury awarded the gunmetal PowerGRIP 180010 the iF product design award.

182 FastGRIP waterpump pliers

Suitable for awkward grasping angles, where the handles are rotated through 180° for example

MATERIAL Gunmetal finish, dip-coated with red plastic

182005	181	180	28	10 x						221
182010	240	250	35	12 x						405
182015	300	300	44	15 x						526

DETAILS

FastGRIP: Rapid push-button setting with the tool on the workpiece
Infinitely adjustable, easy super-fine setting
Self-grip function on workpiece, saves effort and is non-slip
Induction-hardened jaw profile, extremely hard and durable
Sliding box joint with VBW's typical twin supports
Anti-pinch mechanism helps avoid injury
EP and US patent
Extremely resilient overall construction, high-grade tempered finish
Professional testers have awarded the FastGRIP 250 the "AutoClassic recommendation"



THE TRANSMISSION RATIO OF THIS TOOL, IN CONJUNCTION WITH **THE ERGONOMIC SLEEVES ON THE HANDLES**, ALLOW **VERY HIGH FORCES TO BE SAFELY TRANSMITTED**. THE **CAREFULLY SMOOTHED JAWS ON THE** PowerGRIP GUARANTEE A FIRM BUT WORKPIECE-FRIENDLY GRIP ON THE FITTING.



184 AllGRIP waterpump pliers

Suitable for awkward grasping angles, where the handles are rotated through 180° for example

MATERIAL Gunmetal finish, dip-coated with red plastic

184010	240	250	42	8 x							398
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DETAILS

AllGRIP: Tried-and-tested snap-in hole setting in VBW's new high performance design
 Finer adjustment with 8 notches
 Self-grip function on workpiece, saves effort and is non-slip
 Induction-hardened jaw profile, extremely hard and durable
 Sliding box joint with VBW's typical twin supports
 Anti-pinch mechanism helps avoid injury
 Extremely resilient overall construction, high-grade tempered finish

186 S-GRIP® S-shape jaws pushbutton waterpump pliers

Suitable for awkward grasping angles, where the handles are rotated through 180° for example

MATERIAL Gunmetal finish, dip-coated with red plastic

186010	243	250	45	40	12 x						409
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DETAILS

S-GRIP: Rapid push-button setting with the tool on the workpiece
 Waterpump pliers and pipe wrench in a single tool – the same torque as with pipe wrenches
 Noticeably lower weight compared with conventional pipe wrenches
 Faster adjustment than pipe wrenches, narrower jaws
 Infinitely adjustable, easy super-fine setting
 Self-grip function on workpiece, saves effort and is non-slip
 Induction-hardened serrated jaws which can even grip sheet steel safely
 Sliding box joint with VBW's typical twin supports
 Anti-pinch mechanism helps avoid injury
 Extremely resilient overall construction, high-grade tempered finish
 EP and US patent



ERGONOMICALLY DESIGNED HANDLES ALLOW VERY HIGH FORCES TO BE SAFELY TRANSMITTED. THE **S-GRIP**, **AllGRIP** AND **FastGRIP** ENSURE ACCURATE WORKING EVEN FOR AWKWARD GRASPING ANGLES, WHERE THE HANDLES ARE ROTATED THROUGH 180°, FOR EXAMPLE.



188 Our classic waterpump pliers

Designed specifically for the most demanding professional tasks



The VBW classic: The red ones with the yellow dot



MATERIAL Red lacquered, polished

188005	150	160	17	4 x		106
188010	240	250	30	6 x		295
188015	300	315	40	6 x		487

DETAILS

The red ones with the yellow dot®
 Chrome vanadium, induction-hardened jaws with a serrated hole
 Self-grip function on the workpiece, box-type slip-joint
 Anti-pinch mechanism prevents injury
 Knurled handles, hardened and tempered to high standards, DIN ISO 8976



VBW MODEL 188: THE RED ONES WITH THE YELLOW DOT. AS THE PIONEER AND INSPIRATION OF ALL BOX-JOINTED SNAP-IN HOLE WATERPUMP PLIERS, THIS WAS THE TEMPLATE ON WHICH ALL OTHER PLIERS OF THIS KIND ARE BASED. THEY ARE ACCURATE & RESILIENT TO LOADS. THEY HAVE PERFECT GEOMETRY AND ARE SELF-GRIPPING.

966 Waterpump pliers

Suitable for all standard requirements



MAIN PRODUCT Red lacquered, polished

966005	175	160	26	6 x		150
966010	240	250	33	7 x		310
966015	300	315	45	7 x		485

MAIN PRODUCT Red lacquered, polished, dip-coated

966030	177	160	26	6 x		154
966031	242	250	33	7 x		309
966032	302	315	45	7 x		485

MAIN PRODUCT Black polished, dip-coated

966165	177	160	26	6 x		171
966166	242	250	33	7 x		320
966167	302	315	45	7 x		492

MAIN PRODUCT Chrome-plated with ergonomic multi-component handles with soft zones

966025	245	250	33	7 x		355
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DETAILS

Box-type slip-joint, extremely sturdy thanks to twin guides
 Self-grip function on workpiece, saves effort and is non-slip
 Anti-pinch mechanism prevents injury
 Hardened and tempered to high standards for maximum durability, DIN ISO 8976



OUR CLASSIC TOOLS: A WIDE VARIETY OF WATERPUMP PLIERS ENSURE THERE IS EXACTLY THE RIGHT TOOL FOR EVERY APPLICATION, RIGHT THROUGH TO HIGH-GRADE FINISHES WITH ERGONOMIC HANDLES FITTED WITH MULTI-COMPONENT SLEEVES.

PLUMBER'S WRENCHES

Different orientation of the jaws:

A Jaw orientation 90°

The advantages: Even when the jaws are wide open, they are parallel to each other and grasp the workpiece firmly along their entire length. This makes the tool ideal for tightening hexagonal or octagonal fittings.

B Jaws orientated at 45° (corner pipe wrench)

Different shapes of jaws:

A Type A: Straight

For gripping objects with parallel lands, such as nuts

B Type B: One straight jaw, one with a recess

For grasping objects with parallel lands or for round objects

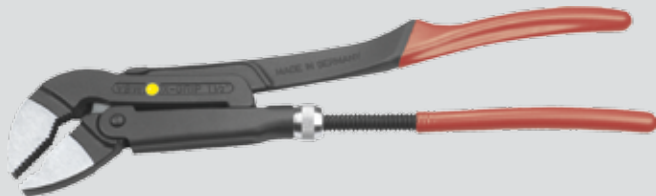
C Type C: S-shaped

For grasping round objects



115 X-GRIP ABC plumber's wrenches

Provides a firm grip on pipes, flats and screw fittings due to special jaw shape



MATERIAL Classic shape, anthracite, lacquered, polished, dip-coated red plastic coating

	Inch	Ø mm	Ø mm	Ø mm	Ø mm	Weight
115005	½"	12.7	240	39		480

MATERIAL New design, anthracite lacquered, dip-coated red plastic coating

115010	1"	25.4	315	55		860
115015	1 ½"	38.1	425	75		1515
115020	2"	50.8	560	100		3135

MATERIAL Classic shape, anthracite, lacquered, dip-coated red plastic coating

115025	3"	76.2	700	120		4180
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REPLACEMENT Nuts

	Inch	Ø mm	Ø mm	Ø mm
100060	1"	25.4	20	
100065	1 ½"	38.1	40	
100070	2"	50.8	59	
110075	3"	76.2	89	



DETAILS

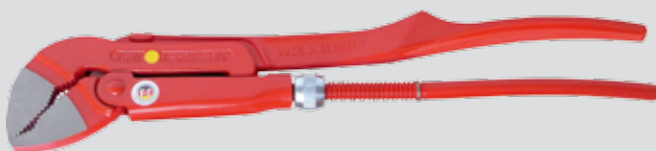
New, particularly ergonomic high performance construction
Self-grip function on the workpiece, with far better self-grip action than large waterpump pliers.

Three DIN shapes in one: A, B and C, 45° offset
Completely forged, hardened and tempered, with reinforced sleeve
Captive nut, anti-pinch mechanism helps avoid injury
Non-slip dip-coated plastic coating, a boon in cold weather, DIN 5234



115 RE X-GRIP Red Edition ABC plumber's wrenches

Provides a firm grip on pipes, flats and screw fittings due to special jaw shape



MATERIAL New design, red lacquered, polished

	Inch	Ø mm	Ø mm	Ø mm	Ø mm	Weight
115110	1"	25.4	315	55		850
115115	1 ½"	38.1	425	75		1450
115120	2"	50.8	560	100		3060

REPLACEMENT Nuts

	Inch	Ø mm	Ø mm	Ø mm
100060	1"	25.4	20	
100065	1 ½"	38.1	40	
110075	3"	76.2	89	



DETAILS

New, particularly ergonomic high performance construction
Self-grip function on the workpiece, with far better self-grip action than large waterpump pliers.

Three DIN shapes in one: A, B and C, 45° offset
Completely forged, hardened and tempered, with reinforced sleeve
Captive nut, anti-pinch mechanism helps avoid injury



S-SHAPE, 45° PLUMBER'S WRENCH OR THE 90° VERSION? VBW OFFERS THE IDEAL SOLUTION: THE X-GRIP HAS A SOPHISTICATED UNIVERSAL JAW DESIGN AND CORRESPONDING GEOMETRY FOR ALL THREE APPLICATIONS. THREE IN ONE!



100 S-shaped plumber's wrenches

Designed specifically for the most demanding professional tasks



MATERIAL Red lacquered, polished

	Inch	Ø mm	Ø mm	mm	mm	mm	mm	mm	mm
100010	1"	25.4	320	49					780
100015	1 ½"	38.1	440	68					1495
100020	2"	50.8	560	85					2530
100025	3"	76.2	675	120					4051



Spare nuts

REPLACEMENT Nuts

100060	1"	25.4							20
100065	1 ½"	38.1							40
100070	2"	50.8							59
110075	3"	76.2							89

DETAILS

The red ones with the yellow dot, Type C, slim-line model, completely forged
 Sleeve marked with scale for quick setting of opening angle
 With reinforced sleeve, double-T grip, high-grade hardened and tempered finish
 Anti-pinch mechanism prevents injury
 Firm grip due to three-point contact – even with smooth pipes
 Induction-hardened gripping surfaces
 Self-grip action on the workpiece, captive nut



952 S-shaped plumber's wrenches

Suitable for all standard requirements



MATERIAL Red lacquered, polished

	Inch	Ø mm	Ø mm	mm	mm	mm	mm	mm	mm
952005	½"	12.7	245	39					454
952010	1"	25.4	320	49					780
952015	1 ½"	38.1	440	68					1570
952020	2"	50.8	560	85					2645
952030	3"	76.2	675	120					4310



Spare nuts

REPLACEMENT Nuts

100050	½"	12.7							15
100060	1"	25.4							20
100065	1 ½"	38.1							40
100070	2"	50.8							59
110075	3"	76.2							89

DETAILS

Type C, slim-line model, completely forged
 With reinforced sleeve, double-T grip, high-grade hardened and tempered finish
 Anti-pinch mechanism helps avoid injury
 Firm grip due to three-point contact – even with smooth pipes
 Induction-hardened gripping surfaces
 Self-grip function on the workpiece
 Captive nut





111 45° angled plumber's wrenches

Suitable for concealed and hard-to-reach bolted joints, meets the highest professional needs



Spare nuts



MATERIAL Red lacquered, polished

	Inch	∅ mm	∅ mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
111005	½"	12.7	240	36								464
111010	1"	25.4	320	55								761
111015	1 ½"	38.1	445	81								1482
111020	2"	50.8	565	94								2790
111025	3"	76.2	705	110								4100

REPLACEMENT Nuts

115050	½"	12.7										20
100060	1"	25.4										20
100065	1 ½"	38.1										40
100070	2"	50.8										59
110075	3"	76.2										89

DETAILS

The red ones with the yellow dot, Type B, 45° offset, slim-line model

With reinforced sleeve, double-T grip

Hardened and tempered to high standards

Firm grip due to three-point contact – even with smooth pipes

Favourable width across corners, completely forged

Self-grip action on the workpiece, captive nut

Anti-pinch mechanism helps avoid injury

951 45° angled plumber's wrenches

Suitable for all standard requirements



Spare nuts



MATERIAL Red lacquered

	Inch	∅ mm	∅ mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
951010	1"	25.4	320	55								815
951015	1 ½"	38.1	445	81								1635
951020	2"	50.8	565	94								2790

REPLACEMENT Nuts

100060	1"	25.4										20
100065	1 ½"	38.1										40
100070	2"	50.8										59

DETAILS

Type B, 45° offset, slim-line model

With reinforced sleeve, double-T grip

Hardened and tempered to high standards

Firm grip due to three-point contact – even with smooth pipes

Favourable width across corners, completely forged

Self-grip action on the workpiece, captive nut

Anti-pinch mechanism helps avoid injury



110 90° plumber's wrenches

Suitable for concealed and hard-to-reach bolted joints, meets the highest professional needs



Spare nuts



MATERIAL Ribbed handle, broad head, red lacquered, polished

	Inch	Ø	mm	Ø	mm	mm	mm	mm	mm	mm	mm
110010	1"	12.7	310	49							771
110015	1 ½"	25.4	425	65							1462
110020	2"	38.1	540	84							2520

MATERIAL Broad ground jaws, red lacquered, polished

110025	3"	76.2									3775
110030	4"	101.6									5530

REPLACEMENT Nuts

100060	1"	25.4									20
100065	1 ½"	38.1									40
100070	2"	50.8									59
110075	3"	76.2									89
110080	4"	101.6									84

DETAILS

The red ones with the yellow dot, Type A, 90° offset
 With reinforced sleeve, double-T grip, high-grade hardened and tempered finish
 Completely forged
 Self-grip function on the workpiece
 Captive nut
 Anti-pinch mechanism helps avoid injury

950 90° plumber's wrenches

Suitable for all standard requirements



Spare nuts



MATERIAL Red lacquered

	Inch	Ø	mm	Ø	mm	mm	mm	mm	mm	mm	mm
950010	1"	12.7	310	49							780
950015	1 ½"	25.4	425	65							1525
950020	2"	38.1	540	84							2530

REPLACEMENT Nuts

100060	1"	25.4									20
100065	1 ½"	38.1									40
100070	2"	50.8									59

DETAILS






Type A, 90° offset
 With reinforced sleeve, double-T grip, high-grade hardened and tempered finish
 Slim-line model, completely forged, self-grip action on the workpiece
 Captive nut
 Anti-pinch mechanism helps avoid injury



127 Rapid self-grip pipe wrench

Suitable for gripping, turning and loosening pipes and nuts of many different diameters

MATERIAL Black

									
127005	7"	175	1 ¼"	37					278
127010	9"	225	1 ½"	44					513
127015	10½"	265	2"	58					805
127020	12"	300	2 ½"	67					968
127025	14"	350	3"	90					1590

DETAILS

Preset adjustment using threaded knob
Forged jaws

129 Chain pipe wrenches, light-weight version

Specially constructed for hard-to-reach places



Spare chain

MATERIAL Red lacquered

				min. inch	max. inch	min. mm	max. mm			
129005	300	440	¾"	4"	19	101.6				958

REPLACEMENT Chains

129010	300	440	¾"	4"	19	100				326
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DETAILS

Chain hardened and tempered
Toothing specially hardened
Lever made of chrome vanadium steel
Drop-forged
Ratchet-like operation on the tube
With sculpted handle
Can be used in 2 directions

130 Chain pipe wrenches, US type

Specially constructed for hard-to-reach places



MATERIAL Red lacquered

				min. Inch	max. Inch	min. mm	max. mm		
130010	31	510	380	1/8"	2"	3	50		2585
130015	32	710	490	1/4"	3"	6	75		4031
130020	33	915	610	3/4"	4"	19	100		6669
130025	33 1/2	1065	850	1"	6"	25	150		9500
130030	34	1280	1000	1 1/2"	8"	38	200		12944

REPLACEMENT Chains

130110	31	510	380	1/8"	2"	3	50		530
130115	32	710	490	1/4"	3"	6	75		731
130120	33	915	610	3/4"	4"	19	100		1435
130125	33 1/2	1065	850	1"	6"	25	150		2275
130130	34	1280	1000	1 1/2"	8"	38	200		3153

DETAILS

High-performance tool due to excellent leverage

Replaceable hardened jaws with serrations on both sides

Powerful forged handle

Heavy-duty steel chain



Spare chain

TYPICAL APPLICATION: IN OIL INSTALLATIONS // ON OIL RIGS





SPECIAL - PURPOSE PLIERS & WRENCHES FOR SANITARY INSTALLATIONS

READY FOR ANYTHING –
A BROAD, COMPREHENSIVE SELECTION OF
TOOLS FOR SPECIFIC APPLICATIONS.

USING VBW'S SPECIAL-PURPOSE PLIERS AND
WRENCHES HELPS PROFESSIONALS WORK IN A
FLEXIBLE, MATERIAL-FRIENDLY WAY, EVEN WITH
SENSITIVE WORKPIECE SURFACES.





154 U-bend wrenches

Suitable for material-friendly, scratch-free work on sensitive surfaces

MATERIAL Chromium plated, dip-coated

		max. Ø				
		mm	mm	mm		
154005	80	230	80			280

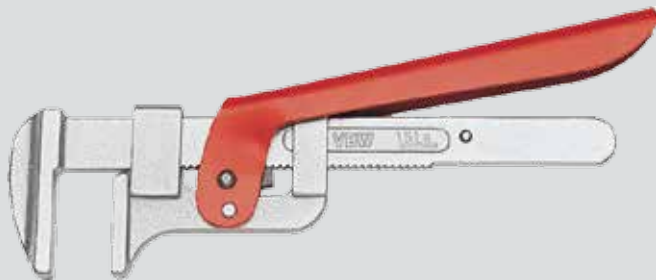
MATERIAL Chromium plated, dip-coated, with protective jaw-covers

154010	80	230	80			280
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DETAILS

4-way slot-joint

Chrome vanadium steel



151 Quick-action wrenches

Suitable for installing & removing fittings

MATERIAL Zinc plated

		mm	mm	mm		
151105	75	260				691

DETAILS

Quick-action adjuster with clamping lever

Clamping lever made of sheet steel

Smooth jaws

Chrome vanadium steel, forged



PIPE CUTTERS



978/3 PLASTIC PIPE SHEARS
SUITABLE FOR PIPES UP TO 26 MM
SEE PAGE 042

Good to know

VBW pipe cutters are used for cutting various metal and plastic pipes. Classic pipe cutters look like a sash cramp.

The pipe to be cut is placed in the pipe cutter and the cutting wheel fed up to the pipe using the screw mechanism. To cut a pipe, open the pipe cutter and lay the pipe in place.

Advance the cutting wheel towards the pipe using the adjusting mechanism until it presses firmly against the pipe. Turning the pipe cutter around the pipe will now cut into the pipe.

These tools are used as a matter of course in laying water and heating pipes but are also a great help when cutting plastic pipes and empty round cable ducts.





Spare parts for cutting copper, steel, cast and plastic pipes



140 Pipe cutters

Suitable for cutting off plastic, steel and cast pipes

MATERIAL Red lacquered

	min. Inch	max. Inch	min. mm	max. mm							
140005	400	1/8"	2"	3	50					1	2193

REPLACEMENT Cutting wheels for copper and steel pipes

140105			1 1/4"			32	9.1	18.9	5	4
140110			4"			42	9.1	18.9	3	4

REPLACEMENT Cutting wheels for cast pipes

140205			1 1/4"			33	9.1	18.0	5	4
140210			4"			42	9.1	18.9	3	4

REPLACEMENT Spare cutting wheels for plastic pipes

140115			2"			33	9.1	18.0	5	4
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REPLACEMENT Spare rollers

140303			1 1/4"						10	4
140305			2"						10	4
140310			4"						10	4

REPLACEMENT Spare pins

140403			1 1/4"						10	4
140405			2"+4"						10	4

DETAILS

With 2 support rolls

977 Midget tube cutters

Suitable for cutting copper and steel pipes

MATERIAL Red lacquered

	min. Inch	max. Inch	min. mm	max. mm							
977005	65	1/8"	1"	3	25					1	180

REPLACEMENT Cutting wheels for copper and steel pipes

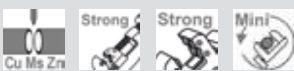
141105			1/8"-1 1/8"			20	5.1	4.9	10	4
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DETAILS

With 2 support rolls



Spare cutting wheels for copper and steel pipes





Spare cutting wheels for copper, steel and plastic pipes



978 Pipe cutters

Suitable for cutting plastic, copper and steel pipes

MATERIAL Red lacquered

	min. inch	max. inch	min. mm	max. mm						
978005	1/8"	1 3/8"	3	35					1	375

REPLACEMENT Cutting wheels for copper and steel pipes

141105		1/8-1 3/8"			20	5.1	4.9	10	4
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REPLACEMENT Cutting wheels for copper and steel pipes

141110					20	5.1	4.9	10	4
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DETAILS

Pipe cutters for pipes 1/8 – 1 3/8", 3 – 35 mm

Pipe deburrer in handle, heavy-duty model

Two support rolls, with deburring knife in handle



Spare cutting wheels for copper and steel pipes



978/2 Compact pipe cutters

Suitable for thin-walled steel, copper and brass pipes and for other non-ferrous metal pipes

MATERIAL Red lacquered

	min. inch	max. inch	min. mm	max. mm						
978155	1/8"	1 3/8"	3	35					1	375

REPLACEMENT Cutting wheels for copper and steel pipes

141105		1/8-1 3/8"			20	5.1	4.9	10	4
--------	--	------------	--	--	----	-----	-----	----	---

DETAILS

Covered spindle

Precision telescopic guides

Four-roller guide

Spare wheel in handle

Retractable deburrer for inside pipe edges

Complete with extendible deburring blade



978/3 Plastic pipe shears

Suitable for pipes up to 26 mm

MATERIAL Red lacquered

	mm									
978205	26									170

DETAILS

Cutter guided on both sides

For highest demands



SPECIAL - PURPOSE TOOLS FOR SANITARY INSTALLATIONS



128 Strap wrench

Suitable for loosening various large-diameter objects – flexible and does not cause damage, as jaws would do

MATERIAL Nickel-plated

	max mm	Ø	L mm								
128005	160	230									286

DETAILS

With non-slip webbing, 22 mm wide
Handle immersion-insulated
Strap width 22 mm, max. load 300 kg



145 Special spanners for sanitary installations

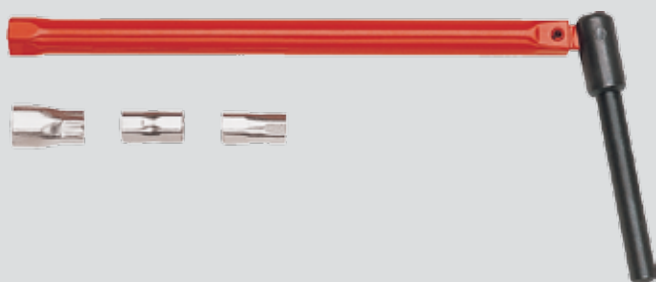
Suitable for M 10 stud screws

MATERIAL Chrome vanadium, nickel-plated

145005	223	17	19	M10								263

DETAILS

17 x 19 mm
Insert can be adjusted



149/1 Basin wrenches

Suitable for single-handed mixer taps

MATERIAL Chrome vanadium, red lacquered

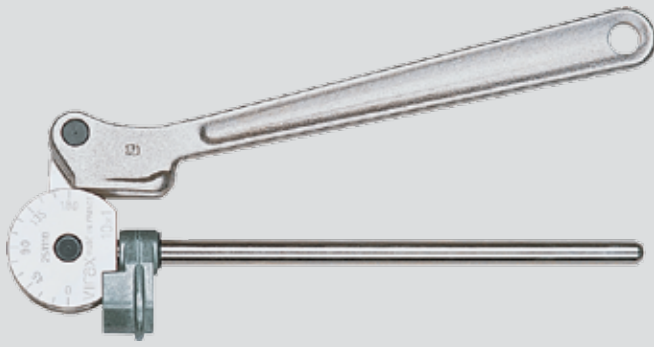
149105	260	370									326

REPLACEMENT Interchangeable inserts

149110	10										
149115	11										
149120	14										

DETAILS

With interchangeable inserts 10, 11 and 14 mm
Inserts zinc plated
13 mm hex



134 Copper pipe bending wrenches

Suitable for bends of up to 180°

MATERIAL Chromium plated

	max mm	Ø	r	°						⚖	
134005	6	11	180°								311
134010	8	14	180°								357
134015	10	23	180°								726
134020	12	30	180°								914
134030	15	42	180°								2089

DETAILS

Bending segment with scale marked in degrees



199/5L Combined reseating tool

Suitable for fitting and removing radiator venting plugs

MATERIAL Chromium plated

		Min.	Max.								⚖	
199115	10 x	3/8"	1"	105	1/2"							140

DETAILS

With 10 steps incl. 3/8" 1/2" 3/4" 1" and numerous intermediate steps
Tip can be used as a screwdriver
Special steel, milled finish, extremely robust and true-to-size



199/5K Combined reseating tool

Suitable for fitting and removing radiator venting plugs

MATERIAL Chromium plated

		Min.	Max.								⚖	
199116	5 x	3/8"	1"	90	1/2"							116

DETAILS

With 5 steps incl. 3/8" 1/2" 3/4" and 1"
Special steel, milled finish, extremely robust and true-to-size



199/6 Combined reseating tool with 1/2" ratchet

Suitable for fitting and removing radiator venting plugs

MATERIAL Chromium plated, ratchet made of chrome vanadium steel

		Min.	Max.								⚖
199120	10 x	3/8"	1"	105	1/2"	250					590

DETAILS

Combined reseating tool, milled, extremely sturdy and true-to-size
in wallet with reseating tool 199/5 L



199/4K 1/2" ratchet for reseating tool

Suitable for fitting and removing radiator venting plugs

MATERIAL Chromium plated

199035		250	1/2"								428
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DETAILS

Chrome vanadium



172 Profi-Key

Suitable for door handle and window handle recesses

MATERIAL With radiator vent key

172190		61x90	5/7/8	10	4-10	7	1	2			93
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DETAILS

- Universal key for almost all common closures
- With chain, adapter and bit
- Made of die-cast zinc
- Also in connection with new buildings
- Also for technical closures
- For heating venting
- Also for common slotted and Phillips screws
- Supplied in clear foil pack with description



172-10 Control cabinet key SuBMaster 9 in 1

Suitable for universal use in electrical engineering, gas and water supplies, air-conditioning and ventilation equipment, industry and many more ...

CONTROL CABINET KEY

172100		97x92	5/6	7-10	7	8-11	3-5	6			175
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DETAILS

- Nine different closures with a single key
- With radiator vent key

173 Control cabinet key

Suitable for closure systems in gas, water and power supplies



CONTROL CABINET KEY

		+	○	○	○	○	○	PH		
173071	71	5/16/8	9	9	3-5	7	1	2		87

DETAILS

Universal key made of die-cast zinc
 With chain, adapter and bit
 Also for air-conditioning and ventilation systems and many more
 Also for common slotted and Phillips screws
 Supplied in clear foil pack with description

**174-10 Bau switch-cabinet key with
non-contact voltage detector**

Suitable for universal use in electrical engineering, gas and water supplies, air-conditioning and ventilation equipment, industry and many more areas ...



CONTROL CABINET KEY

		+	○	○	○	PH				
174100	153	8	9	6-9	2					158

DETAILS

Voltage sensor for reliable detection of alternating current in cable connections, wall sockets, fuses, circuits, junction boxes, lamps, fairy lights etc.
 Detects AC current even when no current is flowing
 Cable breakages and cut cables are also detected
 ON/OFF push-button
 Visual display of operational readiness
 Measuring range: 50 V – 600 V, 50 Hz – 60 Hz
 Power supply: 2 x 1.5 V button cells, standard, included in delivery
 Temperature range: 0°C to 40°C
 GS seal, CE symbol
 Twin revolving mechanism allows three different locking systems

**CAUTION:** OBSERVE THE OPERATING INSTRUCTIONS



174-30 Elektro switch-cabinet key with non-contact voltage detector

Suitable for universal use in electrical engineering, gas and water supplies, air-conditioning and ventilation equipment, industry and many more areas ...

CONTROL CABINET KEY

174300	153	6	7-8	9	9	3-5	2				173

DETAILS

Voltage sensor for reliable detection of alternating current in cable connections, wall sockets, fuses, circuits, junction boxes, lamps, fairy lights etc.

Detects AC current even when no current is flowing

Cable breakages and cut cables are also detected

ON/OFF push-button

Visual display of operational readiness

Measuring range: 50 V – 600 V, 50 Hz – 60 Hz

Power supply: 2 x 1.5 V button cells, standard, included in delivery

Temperature range: 0°C to 40°C

GS seal, CE symbol

Twin revolving mechanism allows three different locking systems



174-50 Bau switch-cabinet key and screwdriver

Suitable for universal use in electrical engineering, gas and water supplies, air-conditioning and ventilation equipment, industry and many more ...

CONTROL CABINET KEY

174500	138	5	8	9	6-9	2					146

DETAILS

Twin revolving mechanism allows three different locking systems

Neodymium permanent magnet retains the bit securely in the mount



CAUTION: OBSERVE THE OPERATING INSTRUCTIONS



174-70 Elektro switch-cabinet key and screwdriver

Suitable for universal use in electrical engineering, gas and water supplies, air-conditioning and ventilation equipment, industry and many more areas ...

CONTROL CABINET KEY

CONTROL CABINET KEY									
174700	138	5	6	7-8	9	9	3-5	2	159

DETAILS

Twin revolving mechanism allows three different locking systems
Neodymium permanent magnet retains the bit securely in the mount



158/1 Pipe cleaning rod

For unblocking blocked household pipes

MATERIAL Hot-dip galvanised

	$\overset{L}{\leftarrow} \rightarrow \underset{M}{}$	mm	\varnothing							
158005	3	6								380
158010	5	9								1400
158015	10	9								2715

DETAILS

Beechwood crank



3-PC. SET | ORDER NO. 966021



966 ST Sets of waterpump pliers

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Red lacquered, polished

					
966021	3 x	160	250	315	940

CONTENTS 3-piece set in plastic wallet

- 1 x 966005
- 1 x 966010
- 1 x 966015

DETAILS

- Self-grip function on the workpiece
- Box-type slip-joint
- Anti-pinch mechanism helps avoid injury
- Hardened and tempered to high standards
- DIN ISO 8976

3-PC. SET | ORDER NO. 966164



966 BST Set of waterpump pliers

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Black, polished, dip-coated

					
966164	3 x	160	250	315	996

CONTENTS 3-piece set in plastic wallet

- 1 x 966030
- 1 x 966031
- 1 x 966032

DETAILS

- Self-grip function on the workpiece
- Box-type slip-joint
- Anti-pinch mechanism helps avoid injury
- Hardened and tempered to high standards
- DIN ISO 8976



3-PC. SET | ORDER NO. 180900



180/3S Set of PowerGRIP adjustable spanners

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Chromium-plated, dip-coated, red

180900	3 x	160	250	315								130
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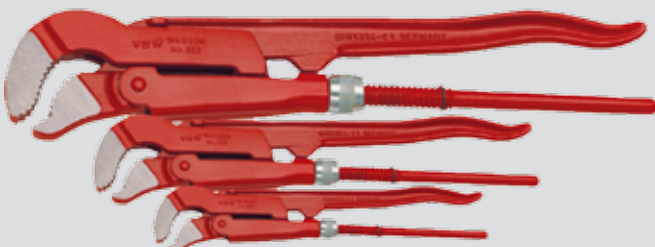
CONTENTS 3-piece set in plastic wallet

- 1 x 180005
- 1 x 180310
- 1 x 180315

DETAILS

PowerGRIP: High transmission ratio for noticeable boost to hand strength
 Suitable for workpieces with parallel lands (nuts, screws etc.)
 Also ideal for bending thin parallel work pieces (e.g. metal sheets)
 Rapid push-button setting with the tool on the workpiece
 Infinitely adjustable, easy super-fine setting
 Play-free, safe grasp for tightening fasteners and holding workpieces
 Smooth parallel jaws to protect surface-coated workpieces
 The tool offers a ratchet-like motion by allowing one jaw to open and close during tightening
 Sliding box joint with VBW's typical twin supports
 Anti-pinch mechanism helps avoid injury
 Extremely resilient overall construction, high-grade tempered finish
 EP and US patent
 In 2007, an international jury awarded the gunmetal PowerGRIP 180010 the iF product design award

3-PC. SET | ORDER NO. 991952



952/3S Set of plumber's wrenches

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Red lacquered, polished

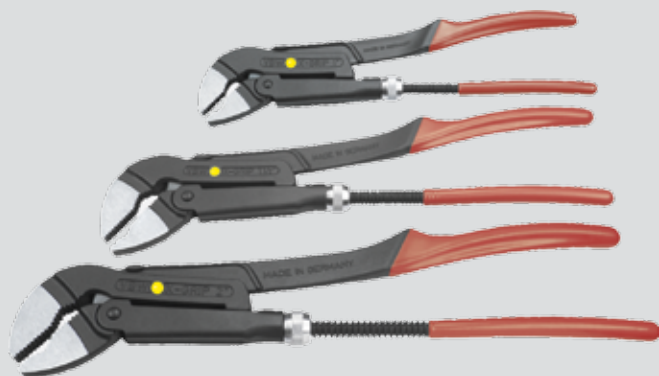
991952	3 x	1"	1½"	2"								5030
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CONTENTS 3-piece set in plastic wallet

- 1 x 952010
- 1 x 952015
- 1 x 952020



3-PC. SET | ORDER NO. 991115



SET | ORDER NO. 991215



115/3X Set of X-Grip wrenches

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL New design, anthracite lacquered, dip-coated red plastic coating

991115	3 x	1"	1½"	2"						5745

CONTENTS 3-piece set

- 1 x 115010
- 1 x 115010
- 1 x 115010

DETAILS

Starter kit of X-GRIP wrenches in the most popular sizes
New, particularly ergonomic high performance construction
Self-grip function on the workpiece, with far better self-grip action than large waterpump pliers.
Firm grip on pipes, flats and screw fittings due to special jaw shape
Three DIN shapes in one: A, B and C, 45° offset
Completely forged, hardened and tempered, with reinforced sleeve
Captive nut
Anti-pinch mechanism helps avoid injury
Non-slip dip-coated plastic coating, a boon in cold weather
Jaw opening: 1" 55 mm, 1 ½" 75 mm, 2" 100 mm

115/3X RE X-Grip Red Edition set of wrenches

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL New design, red lacquered

991215	3 x	1"	1½"	2"						5360

CONTENTS 3-piece set

- 1 x 115110
- 1 x 115115
- 1 x 115120

DETAILS

See above (115/3X set of X-Grip wrenches)

3-PC. SET | ORDER NO. 182900



182/3S Sets of FastGRIP waterpump pliers

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Gunmetal finish, dip-coated with red plastic

182900	3 x	180	250	300							1190

CONTENTS 3-pc. set of tools in self-service packaging with transparent upper side

- 1 x 182005
- 1 x 182010
- 1 x 182015

DETAILS

FastGRIP: Rapid push-button setting with the tool on the workpiece
 Infinitely adjustable, easy super-fine setting
 Self-grip function on workpiece, saves effort and is non-slip
 Induction-hardened jaw profile, extremely hard and durable
 Sliding box joint with VBW's typical twin supports
 Anti-pinch mechanism helps avoid injury
 EP and US patent
 Extremely resilient overall construction, high-grade tempered finish
 Ergonomically designed handles allow very high forces to be transmitted.
 FastGRIP holds its own even when the task is a difficult one, where the handles are rotated through 180° for example.
 Professional testers have awarded the FastGRIP 250 the "AutoClassic recommendation"

3-PC. SET | ORDER NO. 991900



952/966 Set of plumber's wrenches/ waterpump pliers

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Red lacquered, polished

991900	3 x	1"	1½"	250							2685

CONTENTS 3-piece set

- 1 x 952010
- 1 x 952015
- 1 x 966010



S-SHAPE, 45° PLUMBER'S WRENCH OR THE 90° VERSION? VBW OFFERS THE IDEAL SOLUTION: THE X-GRIP HAS A SOPHISTICATED UNIVERSAL JAW DESIGN AND CORRESPONDING GEOMETRY FOR ALL THREE APPLICATIONS. **THREE IN ONE!**



ANTI-SLIP
PROTECTION

PRECISION-CLOSING,
INDUCTION-HARDENED
CUTTERS

PLAY-FREE
JOINT

THIN CHROME
LAYER

HANDLE GEOMETRY IS
COMFORTABLE TO HANDLE,
EVEN WITH SMALLER HANDS

IMPRESSIVE TRANSMISSION
RATIO MEANS LESS
EFFORT IS REQUIRED

HIGH-QUALITY
MULTI-COMPONENT
SLEEVES

HIGH-PROFILE,
SYMMETRICAL
TEETH

Characteristics of high-quality pliers, cutters & wrenches

The family of universal pliers, cutters & wrenches includes a number of special-purpose tools that are designed in such a way that they have flexible fields of application.

Besides the classic combination pliers, this group of tools includes such special-purpose tools as snipe-nose or telephone engineer's pliers, designed for specific applications. Thanks to their offset jaws, they will penetrate hard-to-reach spaces to

access hidden cables in phone junction boxes – and these tools really belong in everybody's toolbox or tool trolley.

VBW tools are made in Germany: starting with hand-picked steels, continuing with the design process, making the tools & dies in our tool shop, forging the blanks, through to machining, hardening and surface finishing, applying the multi-component sleeves and, finally, packaging and storing the finished tools.

UNIVERSAL PLIERS, CUTTERS & WRENCHES

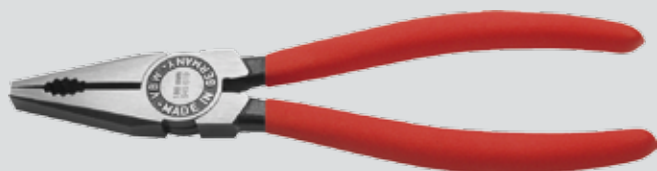
IN-HOUSE PRODUCTION
MADE IN GERMANY

UNIVERSAL PLIERS,
CUTTERS & WRENCHES

CONTENTS

UNIVERSAL PLIERS, CUTTERS & WRENCHES

3.0 Advantages & characteristics	054
3.1 Combination pliers	056
3.2 Side, centre and end cutting nippers	057
3.3 Flat nose, round nose, telephone engineer's pliers ..	062
3.4 Sets of tools	063



545 Combination pliers

Suitable for all wire qualities, including piano wire

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

545105	160	35	23	10.0	6.0	1.8	1.5	10	16	207	
545110	180	38	25	10.5	6.5	2.0	1.8	12	16	230	
545115	200	42	27	12.0	7.0	2.5	2.0	13	16	310	

MATERIAL Polished, ergonomic handles with multi-component sleeves

545305	160	35	23	10.0	6.0	1.8	1.5	10	16	180
545310	180	38	25	10.5	6.5	2.0	1.8	12	16	258
545315	200	42	27	12.0	7.0	2.5	2.0	13	16	302

MATERIAL Polished, dip-coated

545605	160	35	23	10.0	6.0	1.8	1.5	10	16	163
545610	180	38	25	10.5	6.5	2.0	1.8	12	16	212
545615	200	42	27	12.0	7.0	2.5	2.0	13	16	266

DETAILS

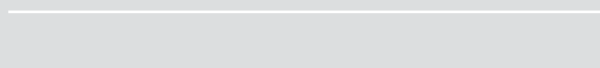
Made of high-grade special quality tool steel and with excellent cutting force and durability, even with heavy-duty, non-stop use

Induction-hardened precision cutters for all wire qualities

DIN ISO 5746

546 Combination pliers, slim-line design

Suitable for work in confined spaces (for all wire qualities)



MATERIAL Chromium plated, dip-coated

546010	170	42	17.5	9.5	4	1.8	10	16		177

DETAILS

Especially slim-line shape for work in confined spaces

Induction-hardened precision cutters for all wire qualities

Serrated jaws with fine serration



VDE COMBINATION PLIERS IN THE "WORLD OF ELECTRICS": FROM P. 073 | ALSO LISTED IN **SETS OF TOOLS**: FROM P. 063

587 Side-cutters

Suitable for all wire qualities, including piano wire



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

587110	140	19	20	10.0	3.0	2.5	1.8	1.6	158
587115	160	22	20	10.0	3.0	2.8	2.0	1.6	190
587120	180	25	22	12.5	3.8	3.0	2.5	2.0	236

MATERIAL Polished, ergonomic handles with multi-component sleeves

587215	140	19	20	10.0	3.0	2.5	1.8	1.6	171
587220	160	22	20	10.0	3.0	2.8	2.0	1.6	198
587225	180	25	22	12.5	3.8	3.0	2.5	2.0	252

MATERIAL Polished, dip-coated

587605	125	16	16	9.5	2.8	2.3	1.5	1.2	109
587610	140	19	20	10.0	3.0	2.5	1.8	1.6	120
587615	160	22	20	10.0	3.0	2.8	2.0	1.6	168
587620	180	25	22	12.5	3.8	3.0	2.5	2.0	238

DETAILS

Induction-hardened precision cutters for all wire qualities
High-quality alloy steel
DIN ISO 5749 B

587A Wire-strippers & side-cutters

Suitable for all wire qualities, including piano wire



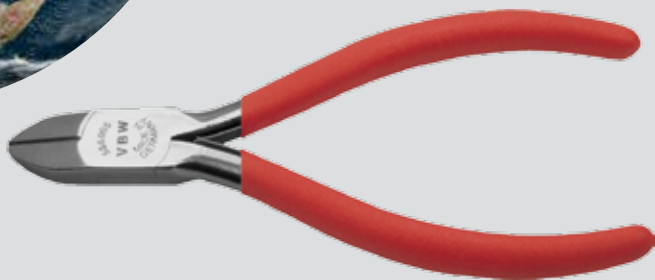
MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

587520	160	22	20	10	3	2.8	2	1.6	196

DETAILS

Induction-hardened precision cutters for all wire qualities
Precision wire stripper for 1.5 and 2.5 mm² cross-section wires
High-quality alloy steel
DIN ISO 5749 B





586 Side-cutters (Type B)

Suitable for all wire qualities, including piano wire

MATERIAL Chromium plated, dip-coated

586105	110	14	12.5	7.5	2.5	1.5	1.2	0.8		69

DETAILS

Induction-hardened precision cutters for all wire qualities

High-quality alloy steel

Spring-loaded opening



588 Heavy-duty side-cutters

Suitable for all wire qualities, including piano wire

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

588105	140	23	20	9	4	3.1	2.0	1.5		170
588110	160	25	22	10	4	3.4	2.5	2.0		201
588112	180	29	24	11	4	3.8	2.7	2.2		240
588115	200	34	26	14	4	4.0	3.0	2.5		323
588120	250	39	36	15	4	4.0	3.5	3.0		407

MATERIAL Polished, ergonomic handles with multi-component sleeves

588205	140	23	20	9	4	3.1	2.0	1.5		169
588210	160	25	22	10	4	3.4	2.5	2.0		229
588212	180	29	24	11	4	3.8	2.7	2.2		276
588215	200	34	26	14	4	4.0	3.0	2.5		304
588220	250	39	36	15	4	4.0	3.5	3.0		400

MATERIAL Polished, dip-coated

588605	140	23	20	9	4	3.1	2.0	1.5		132
588610	160	25	22	10	4	3.4	2.5	2.0		174
588615	180	29	24	11	4	3.8	2.7	2.2		219
588620	200	34	26	14	4	4.0	3.0	2.5		268
588625	250	39	36	15	4	4.0	3.5	3.0		386

DETAILS

Induction-hardened precision cutters for all wire qualities

High-quality alloy steel

DIN ISO 5749 A



VDE SIDE-CUTTERS IN THE "WORLD OF ELECTRICS": FROM P. 074 | ALSO LISTED IN SETS OF TOOLS: FROM P. 063





588W Heavy-duty 12° angled side-cutters

Suitable for fumble-free flush cutting

MATERIAL Polished, ergonomic handles with multi-component sleeves

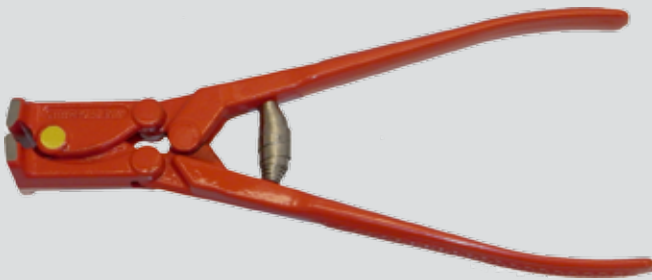
588670	200	34	26	14	4	4	3	2.5	12°	270
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DETAILS

12° angled head for comfortable flush cutting

Induction-hardened precision cutters for all wire qualities – including piano wire
DIN ISO 5749 A

High-quality alloy steel



500 Double-fulcrum end cutting nippers

Suitable for spring wire up to 2000 N/mm² (~ 52 HRC) and special wire qualities

MATERIAL Red lacquered, with polished head

		19 HRC	45 HRC	48 HRC	52 HRC					
500010	180	3.5	3.0	2.5	2.25					430
500015	210	3.5	3.5	2.8	2.50					587
500020	235	3.5	3.5	3.0	2.75					690

DETAILS

Completely forged, with spring-loaded opening

DIN ISO 5748

Cutter width for all sizes is 31 mm



501 Centre-cutters

Suitable for hard and soft wires, including piano wire and wire cable up to 3.5 mm Ø

MATERIAL Polished, dip-coated

501615	230	25	30	13.5	5	4	3.5	3		398
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DETAILS

Extended lever effect due to longer handles, means less effort required
for cutting tough workpieces

Highest quality alloy steel

Induction-hardened precision cutters





584 Heavy-duty end-cutting nippers

Suitable for all wire qualities, including piano wire



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

584105	160	24	26	9	11.5	3.8	3.0	2.5	2.0	256
584115	200	26	30	10	12.5	4.0	4.2	3.0	2.5	208



MATERIAL Polished, ergonomic handles with multi-component sleeves

584005	160	24	26	9	11.5	3.8	3.0	2.5	2.0	208
584015	200	26	30	10	12.5	4.0	4.2	3.0	2.5	354



MATERIAL Polished, dip-coated

584605	160	24	26	9	11.5	3.8	3.0	2.5	2.0	207
584615	200	26	30	10	12.5	4.0	4.2	3.0	2.5	339



DETAILS

Induction-hardened precision cutters (approx. 64 HRC) for all wire qualities
Highest quality alloy steel
DIN ISO 5748

518 Flat nose pliers with long jaws

Suitable for finest work in precision mechanics



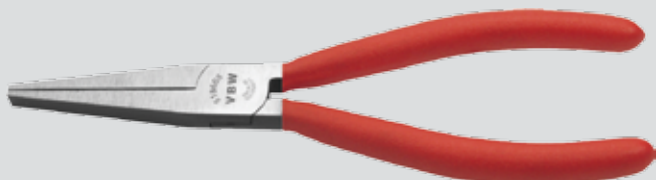
MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

518005	160	50	15	3.0	5	8.0				169



MATERIAL Polished, ergonomic handles with multi-component sleeves

518105	160	50	15	3.0	5	8.0				127
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MATERIAL Polished, dip-coated

518605	160	50	15	3.0	5	8.0				129
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DETAILS

Long, flat jaws
Serrated jaws provide firm grip on workpieces
DIN ISO 5745



521 Round-nose pliers

Suitable for shaping wire eyes and loops

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

521000	140	27	16	2.5	8				113
521005	160	30	18	3.0	10				165

MATERIAL Polished, ergonomic handles with multi-component sleeves

521100	140	27	16	2.5	8				113
521105	160	30	18	3.0	10				165

DETAILS

With short, round jaws
Fine-serrated jaws provide firm grip on workpieces



519 Round-nose pliers with long jaws

Suitable for shaping wire eyes and loops

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

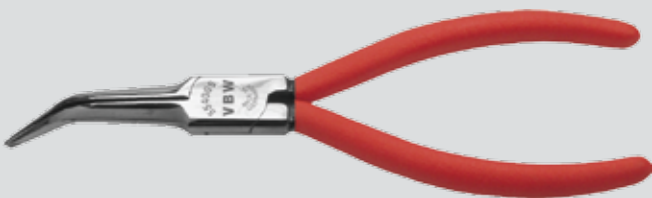
519000	140	40	13.0	2.0	8.5				105
519005	160	47	13.5	2.5	8.5				165

MATERIAL Polished, ergonomic handles with multi-component sleeves

519100	140	40	13.0	2.0	8.5				105
519105	160	47	13.5	2.5	8.5				105

DETAILS

With long jaws to provide greater ease-of-access
Fine-serrated jaws provide firm grip on workpieces
DIN ISO 5745



554 45° needle pliers

Suitable for straightening and shaping work in electronic appliances

MATERIAL Chromium plated, dip-coated

554105	160	54	14	1	3	25	8	45°			115

DETAILS

Extra-long, half-round jaws
Jaws with fine serration

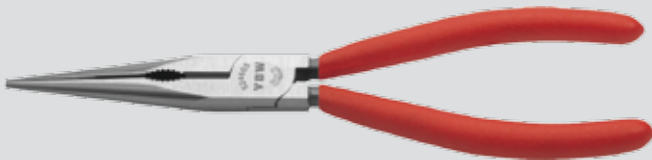


MORE PRODUCTS IN THE "WORLD OF ELECTRICS": FROM P. 076 | ALSO LISTED IN SETS OF TOOLS: FROM P. 063



524 Snipe-nose pliers, telephone engineer's pliers

Suitable for gripping and cutting cables and filigree workpieces



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

524102	140	44	15	2.5	2.0	8				112
524103	160	51	16	3.0	2.5	9				159
524105	200	73	17	3.5	3.0	9				200

MATERIAL Polished, ergonomic handles with multi-component sleeves

524202	140	44	15	2.5	2.0	8				108
524203	160	51	16	3.0	2.5	9				141
524205	200	73	17	3.5	3.0	9				199

MATERIAL Polished, dip-coated

524602	140	44	15	2.5	2.0	8				98
524603	160	51	16	3.0	2.5	9				135
524605	200	73	17	3.5	3.0	9				174

DETAILS

Straight, half-round, long jaws with serrated hole for holding nuts and straight pins

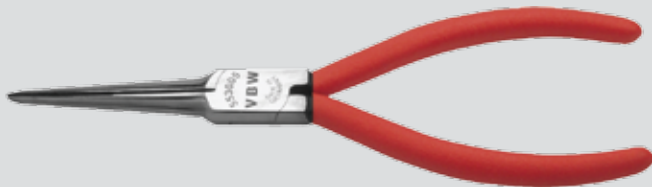
Serrated jaws provide firm grip on workpieces

Induction-hardened precision cutters for both soft and hard wire

DIN ISO 5745

553 Needle pliers

Suitable for straightening and shaping work in electronic appliances



MATERIAL Chromium plated, dip-coated

553105	160	58	15	3	1	8.5				112

DETAILS

Straight, extra-long, half-round jaws

Gripping surfaces with fine serration



526 45° snipe-nose pliers, telephone engineer's pliers

Suitable for gripping and cutting cables and filigree workpieces

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

526100	160	55	16	3.0	2.5	24	9	45°		160	
526105	200	76	17	3.5	3.0	28	9	45°		200	

MATERIAL Polished, ergonomic handles with multi-component sleeves

526005	160	55	16	3.0	2.5	24	9	45°		145
526010	200	76	17	3.5	3.0	28	9	45°		191

MATERIAL Polished, dip-coated

526600	160	55	16	3.0	2.5	24	9	45°		143
526605	200	76	17	3.5	3.0	28	9	45°		171

DETAILS

45° offset, half-round, long jaws with serrated hole for holding nuts and straight pins

Serrated jaws provide firm grip on workpieces

Induction-hardened precision cutters for both soft and hard wire

DIN ISO 5745



MORE PRODUCTS IN THE "WORLD OF ELECTRICS": FROM P. 077 | ALSO LISTED IN SETS OF TOOLS: FROM P. 063

5-PC. SET | ORDER NO. 840040



840P Set of pliers & side-cutters polished, dip-coated in plastic

Standard equipment for universal use in industry, the trades, workshops and the household, 5-pc. set

MATERIAL Dip-coated in plastic

840040	5 x	160	160	160	160	3.0				758

CONTENTS 5-pc. set of tools in high-quality fabric wallet

- 1 x 587615 Side-cutters
- 1 x 545605 Combination pliers
- 1 x 966165 Waterpump pliers
- 1 x 524603 Telephone engineer's pliers
- 1 x 227005 Voltage tester, 3 x 60 mm

DETAILS

Our best-seller

Standard equipment for universal use in industry, plumbing, the trades, workshops and the household



3-PC. SET | ORDER NO. 800005



80C Set of pliers & side-cutters, chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

800005	3 x	160	180	200							752

CONTENTS 3-pc. set of tools in high-quality fabric wallet

- 1 x 524105 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545110 Combination pliers, 180 mm
- 1 x 587115 Side-cutter, 160 mm

DETAILS

Top of the range, chromium plated with comfy-fit multi-component sleeves

6-PC. SET | ORDER NO. 800010



80CS Set of pliers & side-cutters, chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 6-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

800010	6 x	160	180	200	3.0	1	2				907

CONTENTS 6-pc. set of tools in high-quality fabric wallet

- 1 x 524105 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545110 Combination pliers, 180 mm
- 1 x 587115 Side-cutter, 160 mm
- 1 x 210010 Screwdriver, workshop standard, 0.5 x 3.0 x 80 mm
- 1 x 215110 Screwdriver, workshop standard, PH 1 x 80 mm
- 1 x 215115 Screwdriver, workshop standard, PH 2 x 100 mm

DETAILS

Top of the range, chromium plated with comfy-fit multi-component sleeves/handles

3-PC. SET | ORDER NO. 800025**80P Set of pliers & side-cutters, polished, multi-component handles**

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves

800025	3 x	160	180	200							754
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CONTENTS 3-pc. set of tools in high-quality fabric wallet

- 1 x 524205 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545310 Combination pliers, 180 mm
- 1 x 587220 Side-cutters, 160 mm

DETAILS

With comfy-fit multi-component sleeves
Polished finish

6-PC. SET | ORDER NO. 800040**80PWS Set of pliers & side-cutters, polished**

Standard equipment for universal use in industry, the trades, workshops and the household, 6-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves

800040	6 x	160	180	250	3.0	1	2				1050
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CONTENTS 6-pc. set of tools in high-quality fabric wallet

- 1 x 966025 Waterpump pliers, 250 mm, chromium plated
- 1 x 545310 Combination pliers, 180 mm
- 1 x 587220 Side-cutters, 160 mm
- 1 x 210010 Screwdriver, workshop standard, 0.5 x 3.0 x 80 mm
- 1 x 215110 Screwdriver, workshop standard, PH 1 x 80 mm
- 1 x 215115 Screwdriver, workshop standard, PH 2 x 100 mm

DETAILS

With comfy-fit multi-component sleeves/handles
Polished finish



OUR SETS OF TOOLS ARE WELL PROTECTED AGAINST DIRT IN A **HIGH-QUALITY FABRIC WALLET.**



7-PC. SET | ORDER NO. 800080



800P Set of pliers & side-cutters, Compact Set P, polished multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 7-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves

800080	7 x	180	180	200	2.5	1	2	3.0		1120
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CONTENTS 7-pc. set of tools in wallet made of reinforced special fabric

- 1 x 524105 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545110 Combination pliers, 180 mm
- 1 x 588112 Heavy-duty side-cutters, 180 mm
- 1 x 210105 Screwdriver, workshop standard, 0.4 x 2.5 x 75 mm
- 1 x 215110 Screwdriver, workshop standard, PH 1 x 80 mm
- 1 x 215115 Screwdriver, PH 2 x 100 mm
- 1 x 227005 Voltage tester, 3 x 60 mm

DETAILS

- Belt pocket (with belt loops) with many practical features
- 6 different sized elasticated holders for e.g. screwdrivers
- 1 large & 2 small pockets
- Inside zip-pocket for documents
- Large, rivet-reinforced elasticated strap for hammer, mole wrench etc.
- Metal chain holder for several rolls of insulating tape, pocket can be extended to suit

3-PC. SET | ORDER NO. 800045



80K Set of pliers & side-cutters, polished, dip-coated Workshop quality

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves, dip-coated plastic coating

800045	3 x	160	180	200						666
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CONTENTS 3-pc. set of tools in high-quality fabric wallet

- 1 x 524605 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545610 Combination pliers, 180 mm
- 1 x 587615 Side-cutters, 160 mm

DETAILS

Workshop standard, handles polished with dip-coated plastic coating

7-PC.SET | ORDER NO. 880050



800C Set of pliers & side-cutters, Compact Set C, Chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 7-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

800085	7 x	180	180	200	2.5	1	2	3.0	1200

CONTENTS 7-pc. set of tools in wallet made of reinforced special fabric

- 1 x 524105 Snipe-nose pliers/telephone engineer's pliers, 200 mm
- 1 x 545110 Combination pliers, 180 mm
- 1 x 588112 Heavy-duty side-cutters, 180 mm
- 1 x 210105 Screwdriver, workshop standard, 0.4 x 2.5 x 75 mm
- 1 x 215110 Screwdriver, workshop standard, PH 1 x 80 mm
- 1 x 215115 Screwdriver, PH 2 x 100 mm
- 1 x 227005 Voltage tester, 3 x 60 mm

DETAILS

- Belt pocket (with belt loops) with many practical features
- 6 different sized elasticated holders for e.g. screwdrivers
- 1 large & 2 small pockets
- Inside zip-pocket for documents
- Large, rivet-reinforced elasticated strap for hammer, mole wrench etc.
- Metal chain holder for several rolls of insulating tape, pocket can be extended to suit

3-PC. SET | ORDER NO. 800050



80KW Set of pliers & side-cutters, polished, dip-coated

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves, dip-coated plastic coating

800050	3 x	160	180	250	810

CONTENTS 3-pc. set of tools in high-quality fabric wallet

- 1 x 966166 Waterpump pliers, 250 mm, chromium plated
- 1 x 545610 Combination pliers, 180 mm
- 1 x 587615 Side-cutters, 160 mm

DETAILS

- Workshop standard, polished, handles with dip-coated plastic coating



Good to know

VBW offers a range of wire-strippers. Starting with the classic wire-strippers right through to professional models with automatic gauge setting.

Basically, a wire-stripper is a tool that simplifies the stripping of insulation to expose the wire core. The aim of the tool is to remove the plastic or rubber insulating sheath in such a way that the wire core itself is not damaged.

The classic wire-stripper has a round or V-shaped cutter opening that does not fully close. The size of this opening can be set using the knurled knob and is then set to the gauge of the wire being stripped.

The automatic wire-strippers, on the other hand, adjust themselves to the outer diameter of the wire. Squeezing the handles then scores the sheathing and pulls it off in a single coordinated action.

INDIVIDUALLY TESTED
AT 10,000 VOLTS

TO DIN EN ISO/IEC 60900

ERGONOMICALLY DESIGNED
HANDLES WITH MULTI-
COMPONENT SLEEVES

NON-SLIP, VDE TESTED
IMMERSION-INSULATION

ELECTRICS

CONTENTS

ELECTRICS

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542 Wire-strippers with automatic cross-section adjustment

With cutter hole integrated in the joint for cutting cables and wires



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	mm	min. mm ²	min. mm	max. mm						g	
542105	160	10	0.5	5.0							212
542205	160	3	0.3	1.2							173

DETAILS

Automatically adjusts to required gauge

High-quality alloy steel

Model 542 205 for extra small gauges

543 Wire-strippers

Suitable for individually stripped ends on many different thicknesses of wire & insulation



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	mm	min. mm ²	max. mm								g
543105	160	10	5								197

MATERIAL Polished, ergonomic handles with multi-component sleeves

	mm	min. mm ²	max. mm								g
543205	160	10	5								148

MATERIAL Polished, dip-coated

	mm	min. mm ²	max. mm								g
543305	160	10	5								129

DETAILS

With adjusting screw for setting the required wire or cable gauge



USE THE **ADJUSTING SCREW** TO SET THE CROSS-SECTION OF THE WIRE CORE TO BE STRIPPED AND SECURE IT WITH THE LOCK NUT. PLACE THE CABLE BETWEEN THE JAWS. SQUEEZE THE HANDLES TO CLOSE THE JAWS AND PULL THE WIRE TO REMOVE THE PLASTIC INSULATION.





544 Automatic wire-strippers

For stripping both fine-strand and solid core wires with PVC insulation

MATERIAL Plastic, red

	mm	min. mm ²	max. mm ²									
544005	180	0.5	4									101

DETAILS

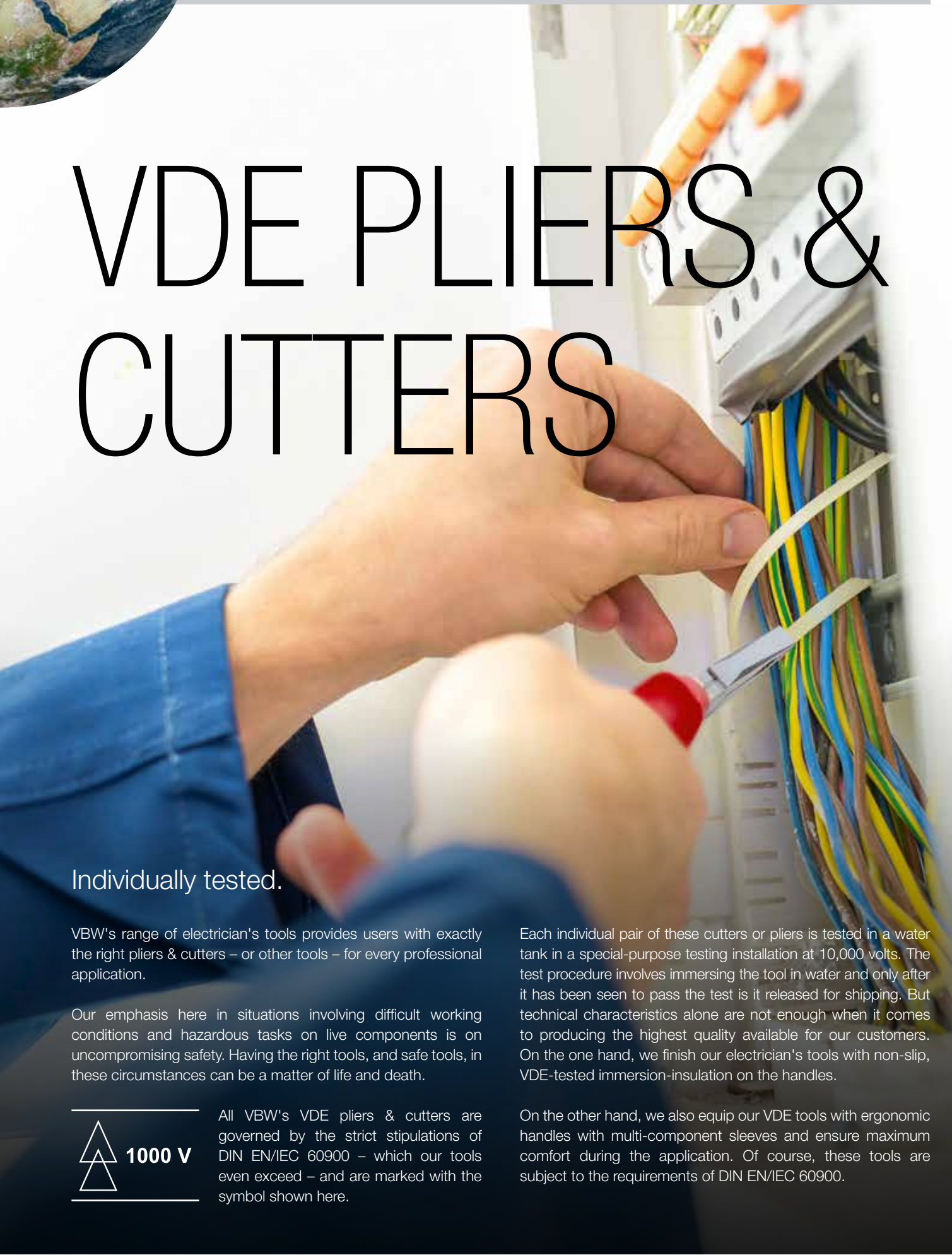
Automatically adjusts to required gauge
 Setting alternatives for various thicknesses of insulation
 Strain-free working due to ergonomic design

TYPICAL APPLICATION





VDE PLIERS & CUTTERS



Individually tested.

VBW's range of electrician's tools provides users with exactly the right pliers & cutters – or other tools – for every professional application.

Our emphasis here in situations involving difficult working conditions and hazardous tasks on live components is on uncompromising safety. Having the right tools, and safe tools, in these circumstances can be a matter of life and death.



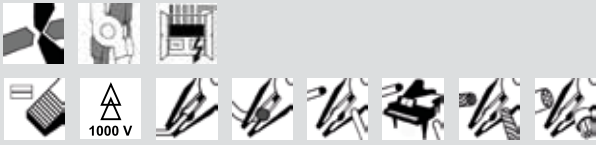
1000 V

All VBW's VDE pliers & cutters are governed by the strict stipulations of DIN EN/IEC 60900 – which our tools even exceed – and are marked with the symbol shown here.

Each individual pair of these cutters or pliers is tested in a water tank in a special-purpose testing installation at 10,000 volts. The test procedure involves immersing the tool in water and only after it has been seen to pass the test is it released for shipping. But technical characteristics alone are not enough when it comes to producing the highest quality available for our customers. On the one hand, we finish our electrician's tools with non-slip, VDE-tested immersion-insulation on the handles.

On the other hand, we also equip our VDE tools with ergonomic handles with multi-component sleeves and ensure maximum comfort during the application. Of course, these tools are subject to the requirements of DIN EN/IEC 60900.





596 VDE combination pliers

Suitable for all wire qualities, including piano wire

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

596205	160	35	23	10.0	6.0	1.8	1.5	10	16	190
596210	180	38	25	10.5	6.5	2.0	1.8	12	16	230
596215	200	42	27	12.0	7.0	2.5	2.0	13	16	315

MATERIAL Chromium plated, dip-coat insulated

596305	160	35	23	10.0	6.0	1.8	1.5	10	16	202
596310	180	38	25	10.5	6.5	2.0	1.8	12	16	279
596315	200	42	27	12.0	7.0	2.5	2.0	13	16	359

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

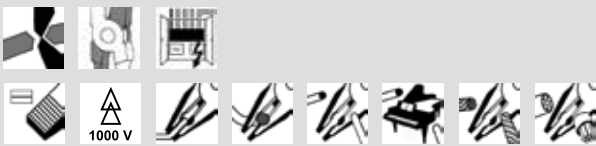
Approved up to AC 1,000 V and DC 1,500 V

Made of high-grade special-quality tool steel

Induction-hardened precision cutters for all wire qualities – including piano wire
DIN ISO 5746

599 VDE electrician's combination pliers

Especially slim-line shape for work in confined spaces



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

599005	170	42	17.5	9.5	4.0	1.8	10	16		183

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws with fine serration

Induction-hardened precision cutters for all wire qualities – including piano wire
DIN ISO 5746



597 VDE side-cutters

Suitable for all wire qualities, including piano wire



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

597115	145	19	20.0	10.0	3.0	2.5	1.8	1.6		163
597120	160	22	20.5	10.0	3.0	2.8	2.0	1.6		197
597125	180	25	22.0	12.5	3.8	3.0	2.5	2.0		250

MATERIAL Chromium plated, dip-coat insulated

597020	160	22	20.5	10.0	3.0	2.8	2.0	1.6		231
597025	180	25	22.0	12.5	3.8	3.0	2.5	2.0		292

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws with fine serration

DIN ISO 5479 B



597A VDE wire-strippers & side-cutters

Suitable for all wire qualities, including piano wire



MATERIAL Polished, ergonomic handles with multi-component sleeves

597520	160	22	20.5	10	3	2.8	2	1.6		194

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1000 V and DC 1500 V

Serrated jaws with fine serration

High-quality alloy steel

Precision wire stripper for 1.5 and 2.5 mm² cross-section wires

DIN ISO 5749 B



VDE SCREWDRIVERS ARE ALSO LISTED IN CHAPTER 4.4 ON PAGE 084





598 VDE heavy-duty side-cutters

Suitable for all wire qualities, including piano wire

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	19	40	48	55	19	40	48	55		
598120	160	25	22	10	4	3.4	2.5	2.0		200
598125	180	29	24	11	4	3.8	2.7	2.2		260
598130	200	34	26	14	4	4.0	3.0	2.5		360

MATERIAL Chromium plated, dip-coat insulated

598030	200	34	26	14	4	4.0	3.0	2.5		355
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DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Induction-hardened precision cutters for all wire qualities – including piano wire

High-quality alloy steel

DIN ISO 5749 A

600 VDE flat nose pliers

Suitable for classic standard applications



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	19	40	48	55	19	40	48	55		
600010	160	30	17	5	9	10				179

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws with fine serration

Serrated, short flat jaws

DIN ISO 5745

590 VDE flat nose pliers with long jaws

Suitable for classic standard applications



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	19	40	48	55	19	40	48	55		
590205	160	50	15	3	5	8				177

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws with fine serration

Serrated, long flat jaws

DIN ISO 5745



601 VDE round nose pliers

Suitable for shaping wire eyes and loops

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

601105	160	30	18	3	10	165

MATERIAL Chromium plated, dip-coat insulated

601005	160	30	18	3	10	201
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DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

With short jaws

Finely-serrated jaws

604 VDE round nose pliers with long jaws

Suitable for shaping wire eyes and loops

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

604010	160	47	13.5	2.5	8.5	129

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

With long jaws

Finely-serrated jaws, DIN ISO 5745

With cutter hole integrated in the joint for cutting cables and wires



595 VDE wire-strippers

Suitable for individually stripped ends on many different gauges of wire & insulation

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

		max. mm	min. mm	max. mm
595205	160	10	0.5	5
				212

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Self-adjusting for wire diameters from 0.5 mm to 5.0 mm

High-quality alloy steel



592 Snipe-nose pliers, telephone engineer's pliers

Suitable for gripping and cutting cables and filigree workpieces



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	592205	592210	Icons											
Length	160	200	51	73	16	17	3.0	3.5	2.5	3.0	9	9	143	227

MATERIAL Chromium plated, dip-coat insulated

Length	592110	200	73	17	3.0	2.5	9						226
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DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws provide firm grip on workpieces

Straight, half-round, long jaws with serrated hole for holding nuts and straight pins

Induction-hardened precision cutters for both soft and hard wire
DIN ISO 5745

593 45° telephone engineer's pliers

Suitable for gripping and cutting cables and filigree workpieces



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	593205	593210	Icons														
Length	160	200	55	76	16	17	3.0	3.5	2.5	3.0	24	28	9	45°	45°	140	205

MATERIAL Chromium plated, dip-coat insulated

Length	593010	200	76	17	3.5	3.0	28	9	45°						237
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DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Serrated jaws provide firm grip on workpieces

45° angled, half-round, long jaws with serrated hole for holding nuts and straight pins

Induction-hardened precision cutters for both soft and hard wire
DIN ISO 5745



594 VDE wire-strippers

Suitable for individually stripped ends on many different thicknesses of wire & insulation



MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	max. mm ²		max. mm Ø							
594205	160	10	5							170

MATERIAL Chromium plated, dip-coat insulated

594005	160	10	5							180
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DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

With adjusting screw for setting the required wire or cable diameter



USE THE **ADJUSTING SCREW** TO SET THE CROSS-SECTION OF THE WIRE CORE TO BE STRIPPED AND SECURE IT WITH THE LOCK NUT. PLACE THE CABLE BETWEEN THE JAWS. SQUEEZE THE HANDLES TO CLOSE THE JAWS AND PULL THE WIRE TO REMOVE THE PLASTIC INSULATION.

589 VDE waterpump pliers

Suitable for bolted joints in areas with live components



MATERIAL Chromium plated, dip-coat insulated

589210	250	33								303

DETAILS

Individually tested to 10,000 V AC to ensure 100% safety to IEC regulations 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Anti-pinch mechanism helps avoid injury

Hardened and tempered to high standards

Box-type slip-joint

Self-grip function on the workpiece

DIN ISO 8976



602 VDE cable shears

Suitable for copper and aluminium wires – easy, clean cutting with single-handed operation

MATERIAL Chromium plated, dip-coat insulated

	mm	mm ²	mm ²	mm ²							g	
602005	180	70	35	16								275
602010	220	70	35	25								380

DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Adjustable screw joint

With anti-pinch mechanism

Special cutter geometry prevents pinch marks and splayed ends



605 VDE cable shears

Suitable for copper and aluminium wires – easy, clean cutting with single-handed operation

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

	mm	mm ²	mm ²	mm ²							g	
605005	160	50	25	16								180
605010	220	70	35	25								332

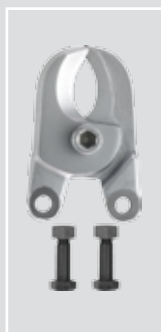
DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V, adjustable screw joint

With anti-pinch mechanism

Special cutter geometry prevents pinch marks and splayed ends



Spare cutterhead
Complete with
retaining screws



603 VDE double-fulcrum cable shears

Suitable for copper and aluminium wires

MATERIAL Chromium plated, dip-coat insulated

	mm	mm ²	mm ²	mm ²							g	
603010	600	150	120	35								2508

REPLACEMENT Cutterhead with retaining screws

491020												355
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DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201, approved up to 1,000 V AC and 1,500 V DC

Strain-relieving double-fulcrum aids cutting soft wires with large diameters

Interchangeable cutterhead



493 Cable shears

Suitable for cutting copper and aluminium wires

MATERIAL Cable shears, gunmetal finish, plastic sleeves

			Min.	Max.							
493005	250	32	25								600
493010	280	52	52								864

DETAILS

Single-handed operation due to ratchet mechanism



496 Cable shears

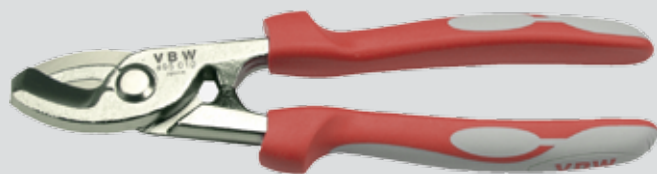
Suitable for cutting mainly copper and aluminium wires with cross-sections of up to 10 mm

MATERIAL Stainless steel, red sleeves

		mm		mm ²							
496010	165	24									110

DETAILS

Cutters are made of 3 mm stainless steel
 Handles are made of impact-resistant plastic
 Self-locking nut and washer made of vanadium
 Safety lock, self-opening thanks to spring
 Suitable for left- or right-handed use, with locking lever



495 Single-handed cable shears

Suitable for copper and aluminium wires

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

		mm		mm ²		mm ²		mm ²				
495005	160	50	25	16								180
495010	220	70	35	25								332

MATERIAL As above, with offset cutters and locking lever

495025	180	60	30	20								247
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DETAILS

With precision ground cutters for very good cutting force
 Smooth, non-deforming cuts
 Drop forged
 Adjustable screw-joint

491/1 Cable shears

Suitable for copper and aluminium wires



Spare cutterhead with retaining screws



MATERIAL Red dip-coated plastic coating

	mm	Imperial	mm ²	mm ²				
491005	600	24	26	26				1837

REPLACEMENT Cutterhead with retaining screws

491020								355
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DETAILS

- Interchangeable cutterhead
- Two-hand operation
- With lever-assisted operation
- Not suitable for cutting steel or steel wire

491/2 Cable shears

Suitable for copper and aluminium wires



Spare cutterhead with retaining screws



MATERIAL Red dip-coated plastic coating

	L1 mm	L1 Imperial	L2 mm	L2 Imperial	mm ²	mm ²				
491010	590	24	930	37	38	38				3695

REPLACEMENT Cutterhead with retaining screws

491025	590	24	930	37	38	38				612
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DETAILS

- Interchangeable cutterhead
- Handles with dip-coated plastic coating, black sleeves
- Two-hand operation
- Slot-in handle extenders
- With lever-assisted operation
- Not suitable for cutting steel or steel wire



492 Cable shears

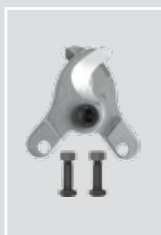
Suitable for copper and aluminium wires

MATERIAL Red

	L1 mm	L1 imperial	L2 mm	L2 imperial	mm ²	mm ²					
492005	350	14	520	21	26	26					1324

REPLACEMENT Cutterhead with retaining screws

491020											355
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Spare cutterhead with retaining screws



DETAILS

Extending telescopic handles, steplessly adjustable from 350 – 520 mm
Optimum lever-assisted operation
Interchangeable cutterhead

490 Cable shears

Suitable for copper and aluminium wires, fine and multiple-strand cables

MATERIAL Red

	mm	Imperial	mm ²	mm ²				
490005	280	11	14	14				442



DETAILS

Handles with plastic coating
Short construction
Two-hand operation



Spare cutterhead with retaining screws



494 Wire cable cutters

Suitable for steel ropes

WIRE CABLE CUTTERS Red lacquered

	mm	Imperial																			
494005	820	28	12	10																	3360

REPLACEMENT Head with retaining screws, old system, fixing ø 11 mm

494010	820	28	12	10																	785
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REPLACEMENT Head with retaining screws, new system, fixing ø 12 mm

494015	820	28	12	10																	785
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DETAILS

For hard steel ropes ≤ 1770 N/mm² to max. 10 mm ø
 For soft steel ropes ≤ 1570 N/mm² to max. 12 mm ø



385/1 Foldaway electrician's penknives

Ideal for all work in the trades



PROFESSIONAL MODEL

	mm	Imperial																					
385010	110	85																					83

DETAILS

Non-slip knife handles
 High-grade, stainless blade
 Knife with integrated wire-stripper
 Made in Solingen, the home of good knives



385/2 Foldaway electrician's penknives*

Ideal for all work in the trades

STANDARD MODEL

	mm	Imperial																					
385020	110	85																					75

DETAILS

With cable duct
 Steel blade

* Product is being phased out



223/1 Slotted VDE screwdrivers

Suitable for tightening & loosening fasteners in electrics

MATERIAL gunmetal finish, dip-coat insulated

	Ø	mm	mm	mm							
223105	2.5	75	0.4	160						6	30
223110	3.5	100	0.6	185						6	37
223115	4.0	100	0.8	195						6	50
223120	5.5	125	1.0	230						6	82
223125	6.5	150	1.2	265						6	103
223130	8.0	175	1.2	295						6	165
223135	10.0	200	1.6	320						6	235

DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Two-component handle with hard section and soft pads

Ergonomically designed plastic handles for strain-free, powerful tightening action

Blades cannot twist in the handle due to shaped ridges

Heat resistant and non-flammable

Optimum torquing

High-impact

Resistant to oil and solvents

Blades made of high-alloy special CV steel

DIN 7437



VDE cross-recess slotted screwdrivers, PZ/FL



226/1 VDE cross-recess slotted screwdrivers, PZ/FL

Suitable for special applications for electricians when working on terminal strips etc.

MATERIAL gunmetal finish, dip-coat insulated

	PZ/FL	mm	mm								
226110	1	80	175							6	55
226115	2	100	205							6	79

DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Two-component handle with hard section and soft pads

Ergonomically designed plastic handles for strain-free, powerful tightening action

Blades cannot twist in the handle due to shaped ridges

Heat resistant and non-flammable

Optimum torquing

High-impact

Resistant to oil and solvents

Blades made of high-alloy special CV steel

DIN 7437



TYPICAL APPLICATION





224/1 VDE Phillips screwdrivers, PH

Suitable for tightening & loosening fasteners in electrics

MATERIAL gunmetal finish, dip-coat insulated

	PH	Blade length		Blade width		Blade thickness		Weight	
224105	0	60	145					6	33
224110	1	80	175					6	55
224115	2	100	205					6	79
224120	3	150	270					6	150

DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Approved up to AC 1,000 V and DC 1,500 V

Two-component handle with hard section and soft pads

Ergonomically designed plastic handles for strain-free, powerful tightening action

Blades cannot twist in the handle due to shaped ridges

Heat resistant and non-flammable

Optimum torquing

High-impact

Resistant to oil and solvents

Blades made of high-alloy special CV steel

DIN 7437



227 GS tested voltage testers

Suitable for use as testing instruments to determine the presence of alternating low voltages up to 250 V

MATERIAL Special steel, chromium plated

	GS	Blade length		Blade width		Blade thickness		Weight	
227005	3	60	140					6	17

DETAILS

220 – 250 V

Conforms with VDE 0680





610 ESD flat nose pliers for electronics

Ideal for accurate work in the fields of electronics and precision mechanics

MATERIAL Polished, ergonomic handles with multi-component sleeves



610005	130	20	9	6.5	1	3				55
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DETAILS

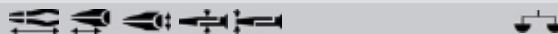
With spring-loaded opening, smooth-ground jaws
Precision jaws, finely pointed (1 mm)



611 ESD flat nose pliers for electronics

Ideal for accurate work in the fields of electronics and precision mechanics

MATERIAL Polished, ergonomic handles with multi-component sleeves



611005	130	22	9	6.5	0.6					55
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DETAILS

With spring-loaded opening
Thin, smooth, rounded, ground precision tips (0.6 mm Ø)



612 ESD snipe nose pliers for electronics

Ideal for accurate work in the fields of electronics and precision mechanics

MATERIAL Polished, ergonomic handles with multi-component sleeves



612005	130	21	9	6.5	1	1				47
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DETAILS

Half-round, finely pointed, 1 mm Ø
Smooth-ground jaws, with opening spring welded-on



613 Small electric side-cutters, ESD safe

Suitable for accurate work on electronic components

MATERIAL Polished, ergonomic handles with multi-component sleeves

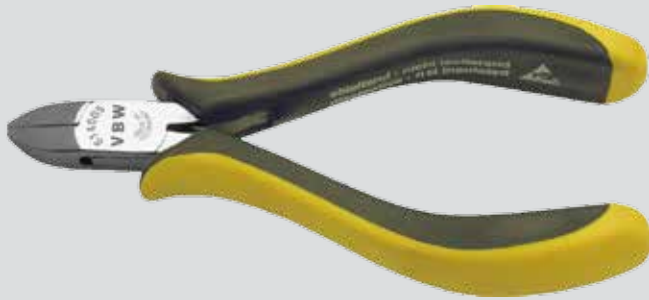


613005	120	11	9	6	1.0	0.8	0.6			55
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DETAILS

Very lightweight, slim-line model, with spring-loaded opening,
high-quality alloy steel
Induction-hardened precision cutters, Cu wire 0.3 mm Ø is cut at the tips





614 ESD side-cutters for electronics

Ideal for accurate work in the fields of electronics and precision mechanics

MATERIAL Polished, ergonomic handles with multi-component sleeves

614005	120	13	10.5	7	1.5	1	0.8	74

DETAILS

With wire-catcher

Induction-hardened cutters, spring-loaded opening, high-quality alloy steel



615 ESD side-cutters for electronics

Slim-line, pointed ends for work in confined spaces

MATERIAL Polished, ergonomic handles with multi-component sleeves

615005	120	13	12	7.5	1.5	1.0	0.8	71
615010	140	18	16	10.0	1.7	1.2	1.0	111

DETAILS

Powerful, induction-hardened cutters, spring-loaded opening, High-quality alloy steel, Cu wire 0.3 mm Ø is cut at the tips



616 Electric side-cutters, pointed, ESD safe

Slim-line, pointed ends for work in confined spaces

MATERIAL Polished, ergonomic handles with multi-component sleeves

616005	120	13	12	7.5	1.5	1.0		70
616010	140	18	16	10.0	1.5	1.0		111

DETAILS

Induction-hardened cutters, without cutter bevel, spring-loaded opening, high-quality alloy steel



617 55° electric side-cutters, ESD safe

Suitable for work in confined spaces thanks to 55° angled, pointed ends

MATERIAL Polished, ergonomic handles with multi-component sleeves

617005	125	11	11	10.5	7.5	1	0.8	0.4	80

DETAILS

Induction-hardened cutters, spring-loaded opening, high-quality alloy steel
Cu wire 0.3 mm Ø is cut at the tips





618 55° side-cutter for electronics, ESD safe

Slim-line, pointed ends for work in confined spaces



MATERIAL Polished, ergonomic handles with multi-component sleeves

618005	125	11	11	10.5	7.5	1	0.6					80

DETAILS

Without cutter bevel, induction-hardened cutters, spring-loaded opening
 High-quality alloy steel
 55° angled pointed ends for work in confined spaces
 Cu wire 0.3 mm Ø is cut at the tips

619 30° side-cutter for electronics, ESD safe

Slim-line, pointed ends for work in confined spaces



MATERIAL Polished, ergonomic handles with multi-component sleeves

619005	125	18	8	8	6	0.6	0.3				120

DETAILS

30° angled, slim-line, long head
 Induction-hardened cutters
 Spring-loaded opening, high-quality alloy steel

620 ESD end cutting nippers for electronics

Slim-line, pointed ends for work in confined spaces

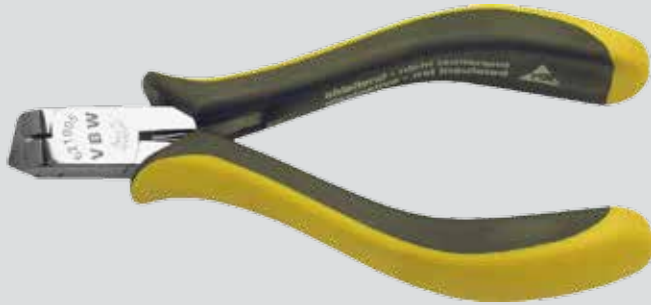


MATERIAL Polished, ergonomic handles with multi-component sleeves

620005	125	15.5	5.5	8.5	6	5	0.6	0.3				53

DETAILS

Induction-hardened cutters
 Spring-loaded opening, high-quality alloy steel



621 ESD end cutting nippers for electronics

With pointed ends, jaws angled downwards at 90°

MATERIAL Polished, ergonomic handles with multi-component sleeves

621005	125	14	11	7.5	6.5	1	0.8	0.6		82
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DETAILS

Induction-hardened cutters, spring-loaded opening, high-quality alloy steel
Cu wire 0.3 mm Ø is cut at the tips



622 ESD end cutting nippers for electronics

Ideal for accurate work in the fields of electronics and precision mechanics

MATERIAL Polished, ergonomic handles with multi-component sleeves

622005	125	14	11	7.5	6.5	1	0.6			82
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DETAILS

Without cutter bevel, induction-hardened cutters, spring-loaded opening
High-quality alloy steel
Pointed ends, jaws angled downwards at 90°
Cu wire 0.3 mm Ø is cut at the tips

4-PC. SET | ORDER NO. 991605



60e Set of electronics pliers and cutters, polished with multi-component handles, ESD safe

Standard equipment for universal use in industry, the trades, workshops and the household, 4-pc. set

MATERIAL Polished, ergonomic handles with multi-component sleeves

991605	4 x									441
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CONTENTS 4-pc. set of tools in high-quality fabric wallet

- 1 x 612005 ESD snipe nose pliers for electronics
- 1 x 614005 ESD side-cutters for electronics
- 1 x 618005 ESD 55° oblique cutters for electronics
- 1 x 620005 ESD end cutting nippers for electronics

DETAILS

For fine detail work on electronic components
Also for work on electrostatically sensitive components
Top-of-the-range models
All pliers except the oblique cutters have box joints





7-PC. SET | ORDER NO. 223500



223/1S Sets of VDE electrician's screwdrivers, 2-component version

Standard equipment for universal use in industry, the trades, workshops and the household

MATERIAL gunmetal finish, dip-coat insulated

										
223500	7									525

CONTENTS 7-pc. set of tools in cardboard box

1 x 223105 2.5 x 75 mm	1 x 224110 PH 1 x 80 mm
1 x 223115 4.0 x 100 mm	1 x 224115 PH 2 x 100 mm
1 x 223120 5.5 x 125 mm	1 x 227005 Voltage tester, 3 x 140 mm
1 x 223125 6.5 x 150 mm	

DETAILS

Individually tested at 10,000 V AC for 100% safety in accordance with IEC 60 900, EN 60 900 and VDE 0682/Part 201

Blades cannot twist in the handle due to shaped ridges

Optimum torquing

Non-splintering, high-impact design

Blades made of high-alloy special CV steel

Resistant to oil and solvents

Approved up to AC 1,000 V and DC 1,500 V

Two-component handle with hard section and soft pads

Ergonomically designed plastic handles for strain-free, powerful tightening action

Heat resistant and non-flammable

3-PC. SET | ORDER NO. 860005



86 Set of VDE pliers & side-cutters, chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 3-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

										
860005	3 x	160	180	200						761

CONTENTS 3-pc. set of tools in high-quality fabric wallet

1 x 592210 VDE snipe-nose pliers, 200 mm

1 x 596210 VDE combination pliers, 180 mm

1 x 597120 VDE side-cutters, 160 mm

DETAILS

VDE side cutters, VDE combination pliers and VDE snipe nose pliers with joint opening and cutting edge

Top of the range, chromium plated with comfy-fit multi-component handles

7-PC. SET | ORDER NO. 860010



86S Set of pliers & side-cutters, chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 7-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

860010	7 x	160	180	200	3.0	1	2	3.0	941

CONTENTS 7-pc. set of tools in high-quality fabric wallet

- 1 x 592210 VDE snipe-nose pliers, 200 mm
- 1 x 596210 VDE combination pliers, 180 mm
- 1 x 597120 VDE side-cutters, 160 mm
- 1 x 224115 VDE screwdriver PH 2 x 100 mm
- 1 x 227005 Voltage tester, 3 x 60 mm
- 1 x 224110 VDE screwdriver PH 1 x 80 mm
- 1 x 223110 VDE screwdriver PH 3.50 x 100 mm

DETAILS

Top of the range, chromium plated with comfy-fit multi-component handles

For work on electrical appliances and equipment

7-PC. SET | ORDER NO. 880050



880VDE Set of VDE pliers & side-cutters, Compact Set C, Chromium, multi-component handles

Standard equipment for universal use in industry, the trades, workshops and the household, 7-pc. set

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

880050	7 x	180	180	200	2.5	1	2	3.0	1200

CONTENTS 7-pc. set of tools in high-quality fabric wallet

- 1 x 592210 VDE snipe-nose pliers, 200 mm
- 1 x 596210 VDE combination pliers, 180 mm
- 1 x 597125 VDE side-cutters, 180 mm
- 1 x 224110 VDE screwdriver PH 1 x 80 mm
- 1 x 224115 VDE screwdriver PH 2 x 100 mm
- 1 x 223105 VDE screwdriver PH 2.5 x 75 mm
- 1 x 227005 Voltage tester, 3 x 60 mm

DETAILS

Belt pocket with many practical features and belt loops

6 differently sized elasticated straps

Inside zip-pocket for documents

Large, rivet-reinforced elasticated strap for hammer, mole wrench etc.

Metal chain holder for several rolls of insulating tape, pocket can be extended to suit



ERGONOMIC
HANDLE

HIGH-GRADE
MATERIALS

THROUGH-
HARDENED

VBW provides numerous pliers & cutters designed to solve specific problems in individual trades.

Professional VBW quality is guaranteed for this selection of high-grade crimping tools for electrical applications, circlip pliers for fitting snap rings through to punch pliers for fine work on ceramic tiles.





SPECIAL PLIERS & CUTTERS

CONTENTS

SPECIAL-PURPOSE PLIERS & WRENCHES

5.0 Advantages & characteristics	092
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5.3 Precision/mechanic's pliers & cutters	102
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5.5 Self grip wrenches, revolving punch pliers	113
5.6 Pliers, punch pliers for tiles, potters' (brick) pincers..	116



CRIMPING PLIERS



01

02

03

Good to know

Crimping is a form of joining two components using a pressing action. In practice, this is a frequently used process in electrical applications. In this way, crimping a terminal sleeve onto a wire often replaces more tedious soldering and brazing jobs.

To ensure a durable connection, it is essential to use a crimping tool whose dimensions and pressing force are matched to the wire gauge (mm²), because only a gas-tight connection between the conductor and the insulation sheathing can prevent corrosion and guarantee a long-term reliable connection.

VBW crimping tools cover the range of different profiles and have these features:

- 01 Strain-free work**
thanks to soft handles
- 02 Easy handling**
thanks to optimised force transmission
- 03 Manufactured from high-grade special steel**
with localised special hardening



539-40 Crimping tool

Suitable for non-insulated compression and other cable lugs with closed crimp sleeves up to 16 mm² / AWG 6

MATERIAL Gunmetal finish, red handles

		mm															
539040	220																180

DETAILS

For cable lugs up to 10 mm²/AWG 8
 0.1 – 0.35 mm² | 0.5 – 1.0 mm² | 1.5 – 2.5 mm² | 4.0 – 6.0 mm² | 10 – 16 mm²
 Unlockable integrated lock mechanism
 The profiles cover a range from 0.5 – 6 mm²
 Soft handles, easy handling
 Wire-stripping & cutting functions, refer to Order no. 539100
 Special-purpose profile geometries
 Patented crimping set fixing ensures secure positioning



539-50 Crimping tool

Suitable for terminal sleeves without an insulating sleeve 0.14 – 10 mm² to DIN 46228

MATERIAL Gunmetal finish, soft handles

		mm															
539050	220																510

DETAILS

0.14 – 0.75 mm² | 1.0 – 1.5 mm² | 2.5 mm² | 4.0 mm² | 6.0 mm² | 10.0 mm²
 Unlockable integrated lock mechanism
 The profiles cover a range from 0.5 – 6 mm²
 Soft handles, easy handling
 Wire-stripping & cutting functions, refer to Order no. 539100
 Special-purpose profile geometries
 Patented crimping set fixing ensures secure positioning

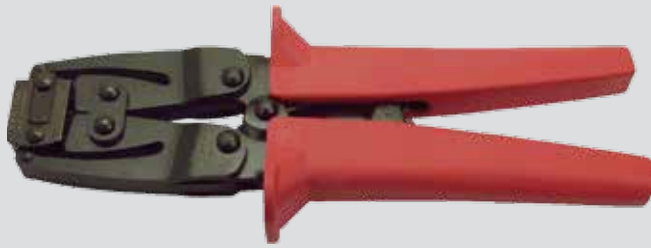


539-100 Wire-stripping & cutting unit

For VBW crimping tools 539020 – 539050

MATERIAL Gunmetal finish

		mm															
539100	0.5-1	1.5	2.5	4.0	6.0												70



537/538 Automatic crimping pliers

For use with terminal sleeves

MATERIAL Gunmetal finish, plastic sleeves

	mm	min. mm²	max. mm²																
537005	210	0.14	6.0																500
538005	210	6.0	16.0																500

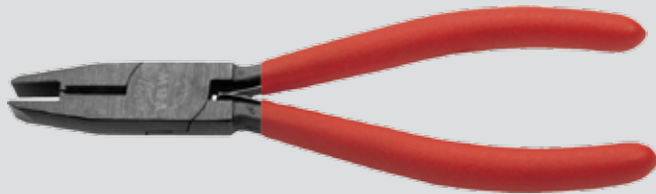
DETAILS

Crimping of terminal sleeves with or without plastic collar

Only one crimping profile

Integrated lock mechanism ensures crimp action is completed

Crimp type to DIN 46228



540 Combined cutting and crimping tools for Scotchlok® connectors

Suitable for direct crimping of plastic insulated signal wires using SCOTCHLOK® components

MATERIAL Polished, dip-coated

	mm	min. mm²	max. mm²																
540015	160	0.4	1.1																150

MATERIAL Gunmetal finish, dip-coated

540010	160	0.4	1.1																150
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DETAILS

No stripping required

Additional cutters, specially hardened and tempered

With spring-loaded opening



550/2 Crimping pliers

For reliable crimping of terminal sleeves to DIN 46228

MATERIAL Polished, dip-coated

	mm	min. mm²	max. mm²																
550105	220	0.5	16.0																318

DETAILS

Eight extra deep crimping recesses with tapered flanks

Cable protection

Crimping in the recesses marked in one single operation

Additional cutter at the tip



CIRCLIP PLIERS

DROP-
FORGED

FUNCTIONAL TIPS FOR INTERNAL AND EXTERNAL
CIRCLIPS PREVENT THE RING SLIPPING OFF

Good to know

Circlip pliers (or snap ring pliers) are tools used for fitting and removing circlips or Seeger rings.

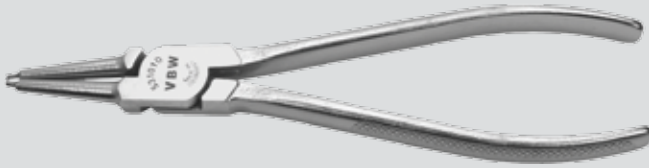
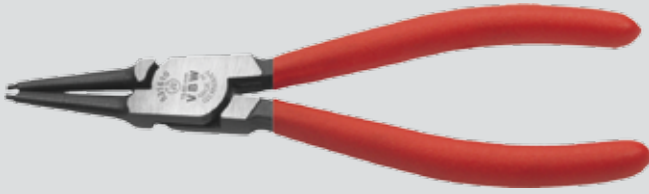
IMPORTANT: Note the importance of the size, especially when removing circlips. To prevent overloading smaller pliers in circlips that are too large, all VBW circlip pliers are permanently marked with the size. Stubborn circlips should be loosened in situ before attempting to remove them. We recommend you wear goggles.

There are two different types of these pliers, depending on their field of application:

- 01 Circlip pliers for internal circlips**
These are used to force the ends of an internal snap ring or circlip together. The two ends are forced together so the ring can be inserted into the groove.
- 02 Circlip pliers for external circlips**
These are used to open up an external circlip so it can be positioned over a shaft end or in an external groove.

531 Circlip pliers for internal circlips

Suitable for internal circlips (inside holes) Type C



MAIN PRODUCT Polished, plastic coated

		Min.	Max.	No.	DIN					
531600	140	8	13	J0	C8					96
531605	140	12	25	J1	C12					95
531610	180	19	60	J2	C19					147
531615	225	40	100	J3	C40					210
531620	320	85	140	J4	C85					459

MAIN PRODUCT Chrome vanadium, chrome plated, textured handles

531000	140	8	13	J0	C8					86
531005	140	12	25	J1	C12					88
531010	180	19	60	J2	C19					143
531015	225	40	100	J3	C40					218
531020	320	85	140	J4	C85					399

DETAILS

DIN 5256 C

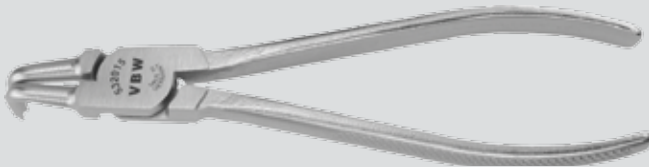
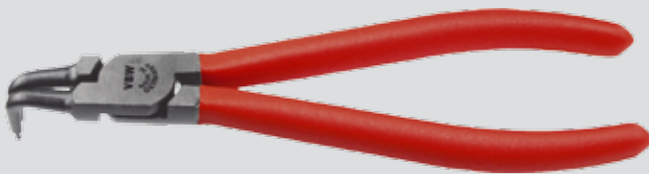
Straight, slip-resistant precision tips

Drop forged

Oil hardened

532 90° circlip pliers for internal circlips

Suitable for internal circlips (inside holes) Type D



MAIN PRODUCT Polished, plastic coated

		Min.	Max.	No.	DIN					
532105	125	8	13	J01	D8					95
532110	125	12	25	J11	D12					96
532115	170	19	60	J21	D19					154
532120	200	40	100	J31	D40					210
532125	290	85	140	J41	D85					432

MAIN PRODUCT Chrome vanadium, chrome plated, textured handles

532005	125	8	13	J01	D8					86
532010	125	12	25	J11	D12					85
532015	170	19	60	J21	D19					140
532020	200	40	100	J31	D40					217
532025	290	85	140	J41	D85					416

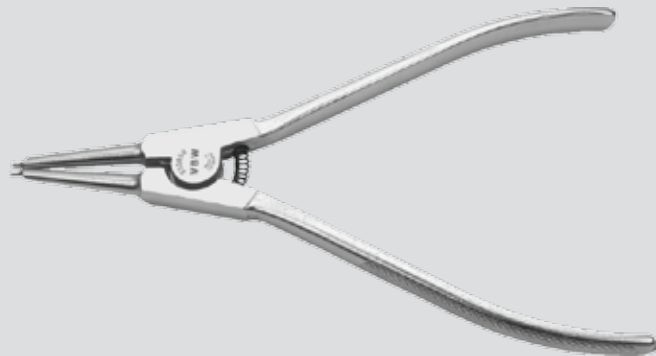
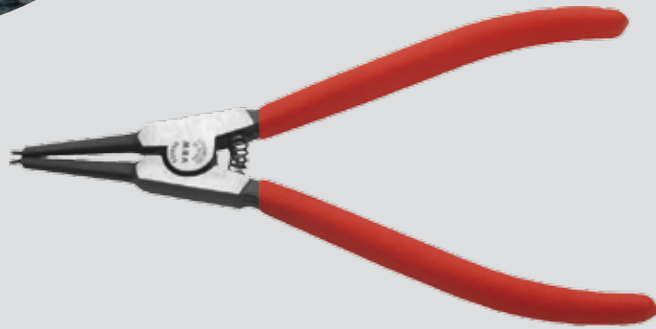
DETAILS

DIN 5256 D, jaws angled downwards at 90°

Straight, slip-resistant precision tips

Drop forged

Oil hardened



533 Circlip pliers for external circlips

Suitable for external circlips (shafts) Type A

MAIN PRODUCT Polished, plastic coated

	Min.	Max.	Size	DIN							
533640	140	3	10	A0	A3						98
533645	140	10	25	A1	A10						98
533650	180	19	60	A2	A19						162
533655	225	40	100	A3	A40						235
533660	325	85	140	A4	A85						470

MAIN PRODUCT Chromium plated, textured handles

533040	140	3	10	A0	A3						86
533045	140	10	25	A1	A10						88
533050	180	19	60	A2	A19						156
533055	225	40	100	A3	A40						200
533060	325	85	140	A4	A85						444

DETAILS

DIN 5254 A

Straight, slip-resistant precision tips

Chrome vanadium

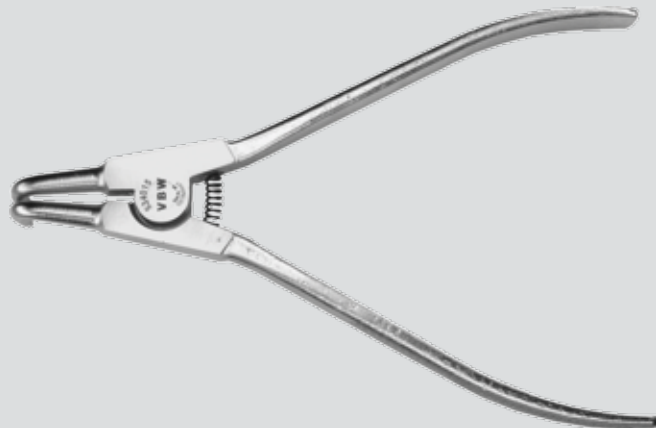
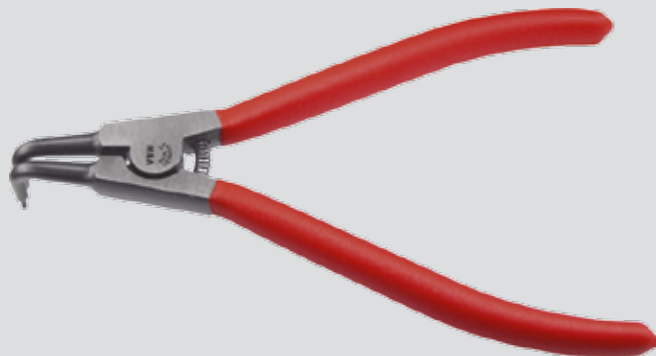
Drop forged

Oil hardened

Return spring

534 90° circlip pliers for external circlips

Suitable for external circlips (shafts) Type B



MAIN PRODUCT Polished, plastic coated

	Min.	Max.	Size	DIN							
534105	125	3	10	A01	B3						96
534110	125	10	25	A11	B10						98
534115	170	19	60	A21	B19						162
534120	200	40	100	A31	B40						236
534125	290	85	140	A41	B85						468

MAIN PRODUCT Chromium plated, textured handles

534005	125	3	10	A01	B3						96
534010	125	10	25	A11	B10						85
534015	170	19	60	A21	B19						143
534020	200	40	100	A31	B40						215
534025	290	85	140	A41	B85						431

DETAILS

DIN 5254 B, jaws angled downwards at 90°

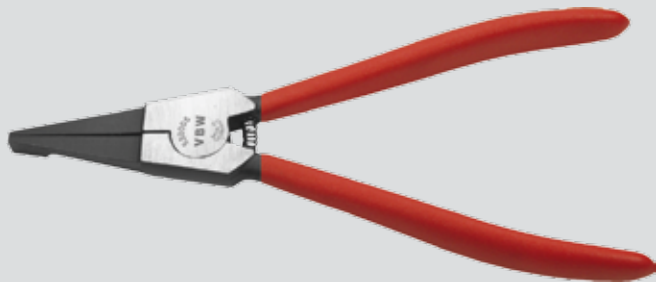
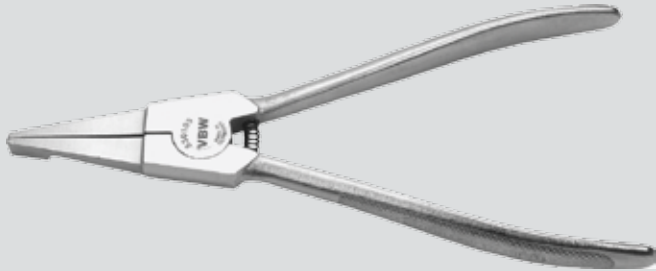
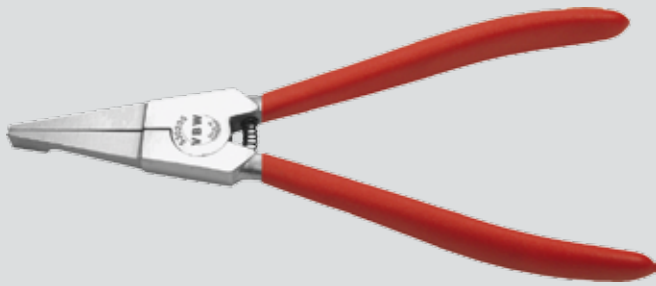
Slip-resistant precision tips

Chrome vanadium

Drop forged

Oil hardened

Return spring



4-PC. SET | ORDER NO. 777000



530 Special circlip pliers

Suitable for U-shaped circlips

MATERIAL Chromium plated, dip-coated

530205	170				169

MATERIAL Chromium plated, textured handles

530105	170				165

MATERIAL Polished, dip-coated

530005	170				169

DETAILS

For circlips without holes on shaft locking systems e.g. on engines, gearboxes, differentials, clutches, brakes etc.

With spring-loaded opening

Oil hardened

777 Set of pliers for circlips

Standard equipment for universal use in industry, the trades, workshops and the household – for external and internal circlips (shafts) Type A

MAIN PRODUCT Chrome vanadium, polished, dip-coated

777000	4 x	A21	A2	J21	J2		800

CONTENTS 4-pc. set of tools

1 x 534115	1 x 532115
1 x 533650	1 x 531610

DETAILS

Straight, slip-resistant precision tips

Oil hardened, drop-forged

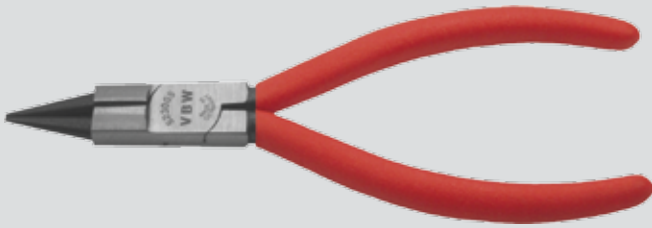
A21 and A2 with return spring



PRECISION/ MECHANIC'S PLIERS & CUTTERS

FROM THE JEWELLER'S
JEWELLERY PLIERS THROUGH
TO PLIERS FOR FINE WORK FOR
ADJUSTING RELAYS IN ELECTRICAL
APPLICATIONS:
ONE NAME ... ONE SOURCE

ACCURACY DOWN TO THE FINEST DETAIL –
FILIGREE PRECISION: VBW PLIERS FOR LESS
OBVIOUS APPLICATIONS.



523 Jewellery shaping pliers, round-nose pliers

For precision shaping and cutting work

MATERIAL Chromium plated, dip-coated



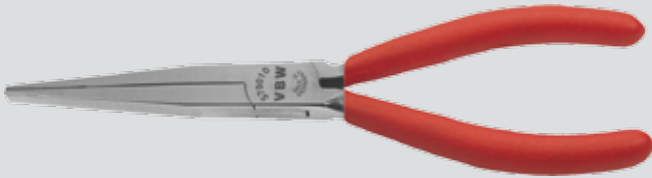
523105	130	32	14	8	1										68
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DETAILS

Smooth, round precision tips 1 mm in diameter

For wire and jewellery

Induction-hardened precision cutters



570 Mechanic's flat nose pliers

Specially suitable for work in precision mechanics and electrical work

MATERIAL Chromium plated, dip-coated



570115	190	75	13.5	8.5	2	4.5									121
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DETAILS

Flat jaws, especially narrow and thin

Jaws with fine serration



571 Mechanic's round nose pliers

For bending wire loops

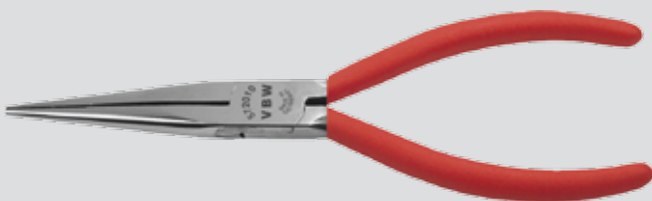
MATERIAL Chromium plated, dip-coated



571105	130	22	11.5	7	1.3										73
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DETAILS

Smooth, rounded, ground precision tips (1.3 mm Ø)



572 Mechanic's snipe nose pliers

Specially suitable for work in precision mechanics and electrical work, thanks to the extremely slim, straight jaws

MATERIAL Chromium plated, dip-coated

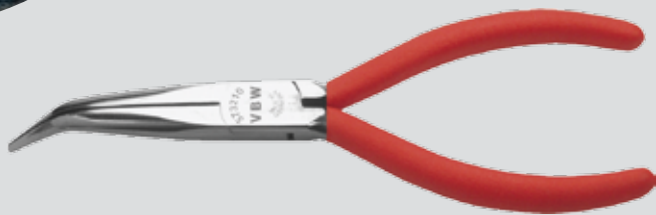


572110	170	63	13.5	8.0	2.5	2.0									101
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DETAILS

Especially thin, half-round tips

Gripping surfaces with fine serration



573 45° mechanic's snipe nose pliers

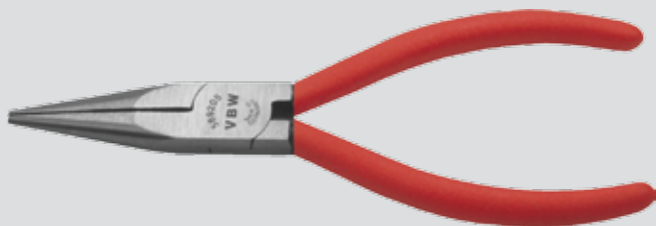
Suitable for work in precision mechanics and electrical work

MATERIAL Chromium plated, dip-coated

573310	170	54	24	13.5	8.0	2.5	2.0	-	98
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DETAILS

Jaws angled at 45° for work in precision mechanics and electrical work
Especially thin, long, half-round tips
Gripping surfaces with fine serration



569 Mechanic's snipe nose pliers, long-nose pliers

Suitable for grasping, holding and adjusting

MATERIAL Chrome-plated with ergonomic multi-component handles with soft zones

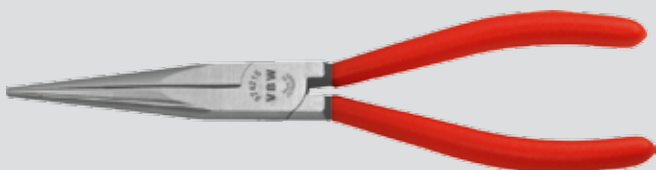
569105	140	40	14	7.5	2.5	2.0			107
569110	160	50	15	8.0	3.0	2.5			129

MATERIAL Polished, dip-coated

569205	140	40	14	7.5	2.5	2.0			89
569210	160	50	15	8.0	3.0	2.5			114

DETAILS

Long, half-round jaws
Serrated jaws



574 Mechanic's snipe nose pliers, long-nose pliers

Suitable for gripping miniature components and wires with very small diameters with the tips

MATERIAL Chrome-plated with ergonomic multi-component handles with soft zones

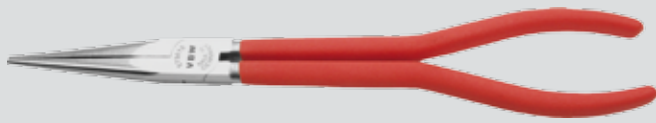
574115	200	76	16	10	3	2.5			190
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MATERIAL Polished, dip-coated

574215	200	76	16	10	3	2.5			174
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DETAILS

Long, half-round jaws
Serrated jaws



575 Mechanic's snipe nose pliers

For work in confined spaces

MATERIAL Chromium plated, dip-coated

575015	280	76	16	10	3	2.5				255
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DETAILS

Straight, half-round jaws
Extra-long version 280 mm
Serrated jaws



577 45° mechanic's snipe nose pliers

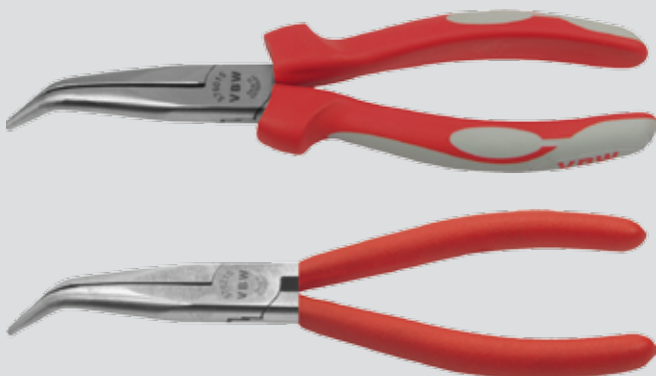
For work in confined spaces

MATERIAL Chromium plated, dip-coated

577015	280	68	28	17	9.5	3.5	3			255
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DETAILS

Half-round jaws angled at 45°
Extra-long version 280 mm
Serrated jaws



576 45° mechanic's snipe nose pliers, long-nose pliers

Suitable for gripping hard-to-reach spark plug connectors and similar components using angled jaws

MATERIAL Chromium plated, ergonomic handles with multi-component sleeves

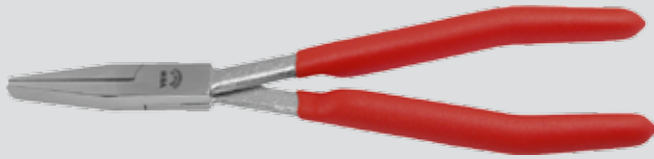
576115	200	68	28	17	9.5	3.5	3			191
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MATERIAL Polished, dip-coated

576215	200	68	28	17	9.5	3.5	3			206
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DETAILS

Half-round jaws angled at 45°
Serrated jaws



578 Flat nose pliers for micromechanics

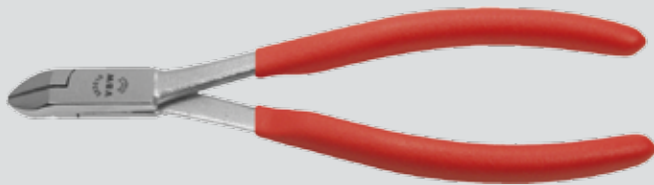
Suitable for precision mechanical work

MATERIAL Chromium plated, dip-coated

578015	200	40	13.5	2.5	9.5	9.5		158

DETAILS

- Flat, extra wide jaws
- Serrated jaws with fine serration
- Opposing serration



583 30° oblique cutters for precision mechanics

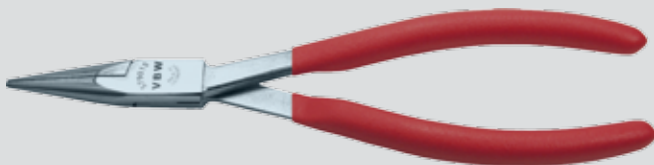
Suitable for work in precision mechanics and on electrical appliances

MATERIAL Chromium plated, dip-coated

583010	185	14	13.5	9.5	2	1.8	1.5	145

DETAILS

- Cutters angled at 30°
- Induction-hardened precision cutters for all hard and soft wire qualities
- Cu wire 0.25 mm Ø is cut at the tips



579 Precision mechanic's snipe-nose pliers

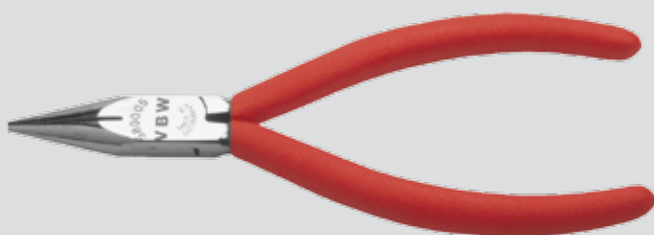
Suitable for precision mechanical work

MATERIAL Chromium plated, dip-coated

579015	200	38	13	9.5	2.5	2		157

DETAILS

- Half-round jaws
- Serrated jaws with fine serration
- Opposing serration



580 Precision mechanic's snipe-nose pliers

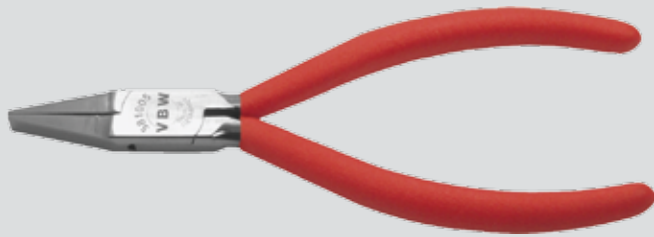
Suitable for gripping, straightening and shaping work in precision mechanics, DIN ISO 9655

MATERIAL Chromium plated, dip-coated

580105	130	24	11.5	7	2	1.5		73

DETAILS

- Precision jaws, finely pointed (1.5 mm diameter)
- Smooth-ground jaws



581 Gripping pliers for micromechanics

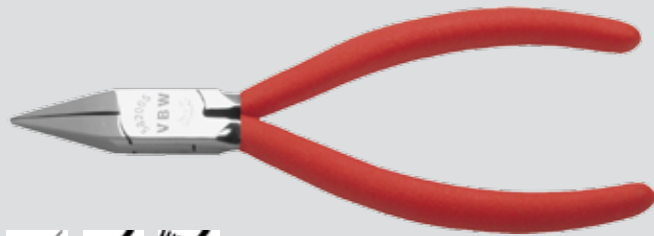
Suitable for gripping and shaping work in precision mechanics

MATERIAL Chromium plated, dip-coated

581105	130	25	11.5	7	2	6.5					76
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DETAILS

Flat, extra wide, ground serrated jaws, finely pointed
DIN ISO 9655



582 Gripping pliers for micromechanics

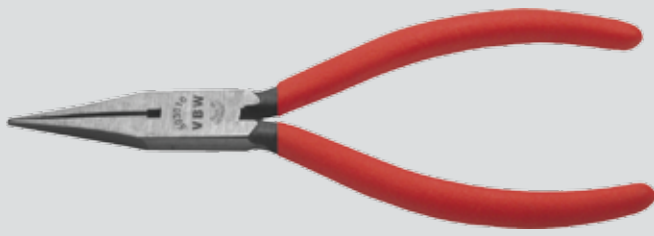
Suitable for gripping and shaping work in precision mechanics

MATERIAL Chromium plated, dip-coated

582105	130	24	11.5	7	2	2					74
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DETAILS

Flat, pointed, ground serrated jaws, finely pointed
DIN ISO 9655



503 Relay pliers, flat, pointed

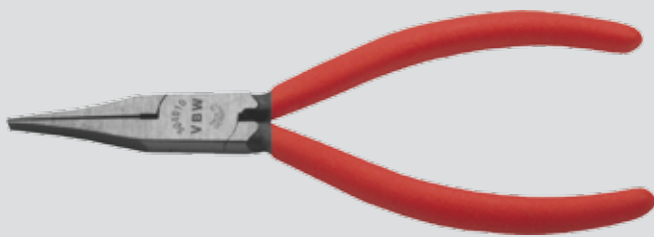
For straightening and bending contact and relay springs

MATERIAL Polished, dip-coated

503010	140	33	13	7.5	1	1.5					75
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DETAILS

For gripping and assembling small components
Smooth-ground jaws
DIN 5235 A



504 Relay pliers, flat, extra wide

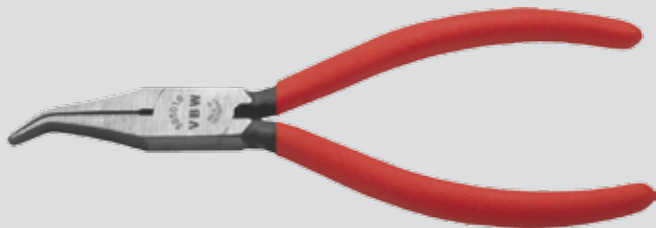
Suitable for straightening and bending contact and relay springs

MATERIAL Polished, dip-coated

504010	140	33	13	7.5	1	4					81
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DETAILS

For gripping and assembling small components
Smooth-ground jaws
DIN 5235 B



505 40° relay pliers, flat, extra wide

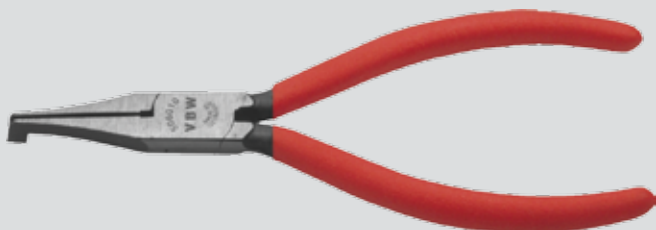
Suitable for straightening and bending contact and relay springs, DIN 5235 C

MATERIAL Polished, dip-coated

505010	140	31	13	7.5	1	1.5				80

DETAILS

Angled sideways at 40°
For gripping and assembling small components
Smooth-ground jaws



506 75° relay pliers, flat, extra wide

Suitable for straightening and bending contact and relay springs, DIN 5235 D

MATERIAL Polished, dip-coated

506010	140	33	13	7.5	1	1.5				79

DETAILS

Angled downwards at 75°
For gripping and assembling small components
Smooth-ground jaws



568 Hose assembly pliers

Suitable for guiding and holding thin hoses, e.g. in hydraulics

MATERIAL Chromium-plated, dip-coated, red

	mm	∅								
568005	120	4	22	6	5					56
568010	120	6	22	6	5					54

DETAILS

Spring-loaded opening

SIDE CUTTERS

Capability through many years' experience

VBW cutters for the plastics industry have been specially designed for cutting off sprues and burrs on plastic injection mouldings. After many years of development work, we can now offer a comprehensive range of these tools.

With full-flush cutters

VBW plastic side-cutters enable sprues and burrs to be removed without leaving residues because these cutters are manufactured without the bevel that is necessary for cutting hard wires.

Induction-hardened cutters

The cutters of our plastic side-cutters are additionally induction-hardened. This makes them extremely hard and wear-resistant – cutter edges stay sharp for longer.

Fibreglass cutters




Fibreglass presents considerable challenges to the cutting edges that other plastics do not. Model 641 (refer to page 111) has been designed by VBW specifically for cutting fibreglass, which includes optical fibre cables and glass-reinforced plastic parts.



630 Plastic side-cutters

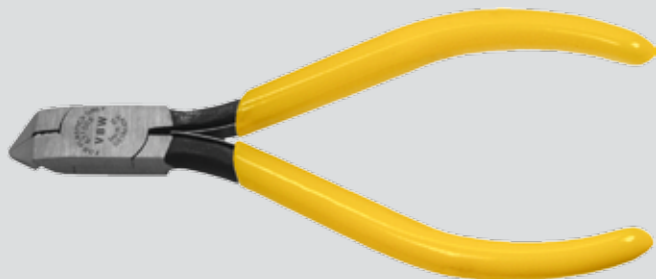
Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

										
630005	120	13	11	7						79

DETAILS






Specially narrow, straight cutter
Only for thin sprues made of soft thermoplastic
Induction-hardened cutters with spring-loaded opening



631 45° plastic side-cutters

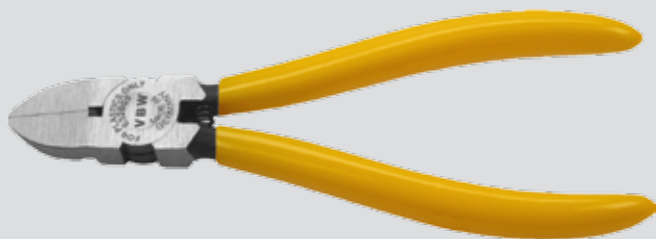
Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

										
631005	120	12	11	7						75

DETAILS






45° offset, specially narrow, induction-hardened cutters
Only for thin sprues made of soft thermoplastic
Spring-loaded opening



632 20° plastic side-cutters

Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

										
632005	130	22	16	9						115
632010	145	25	17	10						140
632015	160	28	18	10						175
632020	180	23	22	11						225

DETAILS

Straight cutters
Spring-loaded opening
Induction-hardened cutters





641 20° fibreglass cutters

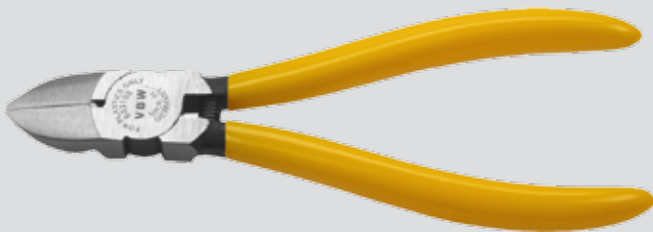
For cutting optical fibre cables and glass-reinforced plastic (GRP)

MATERIAL polished, dip-coated

641015	160	21.5	21	9.5							152
641030	250	28.0	34	14.0							492

DETAILS

Spring-loaded opening
Induction-hardened cutters



633 20° plastic side-cutters

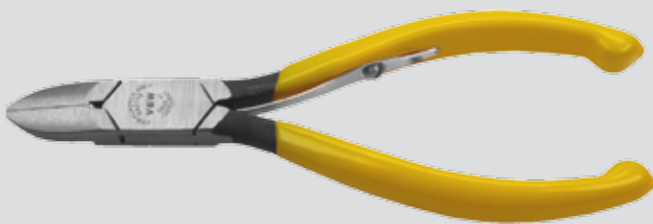
Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

633110	145	23	18	9.5							133

DETAILS

Raised cutters
Spring-loaded opening
Induction-hardened cutters



642 20° plastic side-cutters

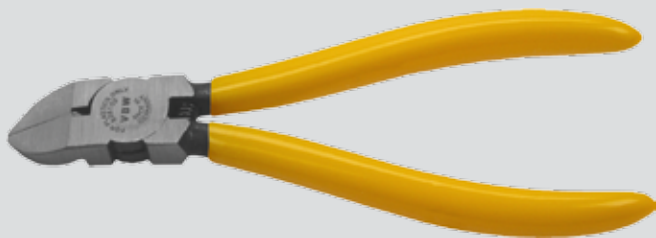
Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

642110	145	23	19	9.5							113

DETAILS

Straight cutters
Spring-loaded opening
Induction-hardened cutters



636 30° plastic side-cutters

Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

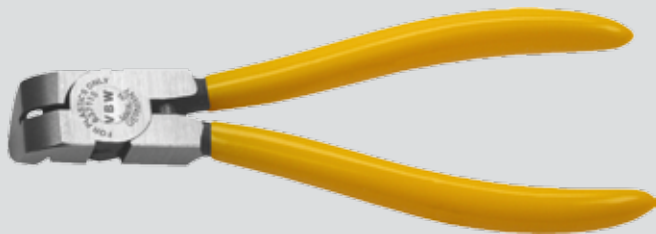
636105	130	19	16.5	8.5				135
636110	145	21	18.5	9.5				165
636115	160	28	20.0	11.0				182

DETAILS

30° angled, straight cutters

Spring-loaded opening

Induction-hardened cutters



637 90° plastic side-cutters

Suitable for plastic injection mouldings

MATERIAL polished, dip-coated

637115	160	25	21	10	25			115

DETAILS

90° angled, straight cutters

Spring-loaded opening




Induction-hardened cutters



190 Universal self-grip wrenches

Suitable for clamping flat, round and hexagonal workpieces

MATERIAL Nickel-plated

	 								
190005	180	30							364
190010	250	35							548

DETAILS



Universal jaw shape
Quick-release lever
With hardened jaws



195 Self-grip wrenches

Suitable for grasping round and flat workpieces

MATERIAL Nickel-plated

			Min.	Max.	Min.	Max.	S			
195005	180	0	20	8	30	35				375
195010	250	0	20	8	40	50				550
195015	300	0	30	10	65	65				953

DETAILS

Brazing jaws with forged clamping jaws
Single-handed operation with quick-release lever
Integrated wire-cutter



192 Wide-jaw self-grip wrench

Suitable for bending, shaping, gluing and beading of workpieces

MATERIAL Nickel-plated

	 		Min.	Max.					
192005	180	80	0	21	45				474

DETAILS

Quick-release lever
Especially suited for bending sheet metal



196R Pipe-welder's self-grip wrench

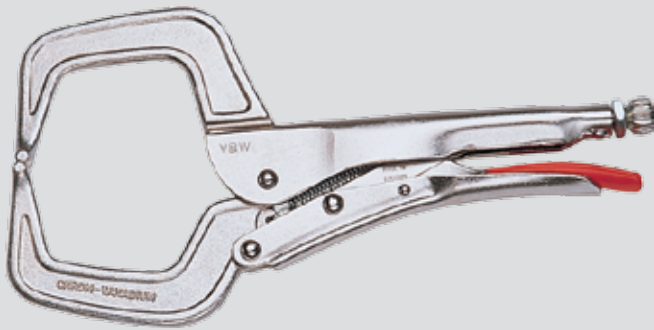
Suitable for clamping pipes and bars for welding and brazing

MATERIAL Nickel-plated

		Min.	Max.								
196010	280	10	85								900

DETAILS

U-shaped jaws
Single-handed use
Quick-release lever
Jaws made of tempered cast metal



197/1 Pipe-welder's self-grip wrench

Suitable for wide-span clamping of workpieces (angle brackets and profiles)

MATERIAL Nickel-plated

197005	280	90									755

DETAILS

C-clamp jaw shape
Single-handed use
Quick-release lever
Forged jaws
Especially suitable for gripping bulky workpieces



198 Handrail gripping wrench

Suitable for firmly holding a handrail and handrail fixing brackets during installation

MATERIAL Nickel-plated

		Max.								
198005	250	55								544

DETAILS

Enables handrails to be fitted by one person
Simplifies drilling screw holes in the handrail through the predefined holes in the brackets
Also simplifies screw tightening
Also ideal for work on other round workpieces
Quick-release lever
Plastic protective jaws prevent impressions being transferred to the workpieces, ideal for indoor and outdoor railings with handrails and banisters made of CNS (= chromium nickel stainless steel) or other workpieces with sensitive surfaces



355 Revolving punch pliers

Suitable for punching holes in soft materials such as leather, card, rubber, fabric

MATERIAL Zinc plated

Order no.	L	min. mm		Weight
		mm	Ø	
355005	225	2	4.5	259

DETAILS

6 punches with diameters of 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 mm

Direction arrow

Automatic locking mechanism

With spring-loaded opening



Order no. 356010 6-pc. set of replacement punches



356 Lever-action revolving punch pliers

Suitable for punching holes in soft materials such as leather, card, rubber, fabric

MATERIAL Nickel-plated, dip-coated, red

Order no.	L	min. mm		Weight
		mm	Ø	
356005	250	2.0	4.5	425

DETAILS

6 interchangeable punches with diameters of 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 mm

70% less effort required thanks to lever-assisted operation

Ergonomically shaped plastic handles

REPLACEMENT Order no. 356010 6-pc. set of punches

1 x 2 mm | 2.5 mm | 3.0 mm | 3.5 mm | 4.0 mm | 4.5 mm

Supply on request



PLIERS, PUNCH PLIERS FOR CERAMIC TILES, POTTERS' (BRICK) PINCERS

NON-SLIP
SLEEVES

SPECIAL STEEL,
DROP-FORGED

SMOOTH-ACTION
JOINT



INDUCTION-HARDENED
CUTTERS



515 Pincers

For the toughest demands

MAIN PRODUCT Black lacquered, polished head

					
515005	180				306
515010	200				342
515020	240				525

MAIN PRODUCT Black, dip-coated

515105	180				330
515110	200				425
515120	240				565

DETAILS



Special steel, drop-forged
Oil hardened
Induction-hardened cutters
DIN ISO 9243



511 Punch pliers for ceramic tiles

Suitable for breaking out and expanding holes in tiles

MAIN PRODUCT Polished, black atramentized

					
511005	200	-			198

MAIN PRODUCT Polished, black atramentized

511105	200	.			205
--------	-----	---	--	--	-----

DETAILS



Special tool steel
Predrilled holes can be extended by breaking out and corners may be shaped



514 Potter's or slater's pincers

Suitable for work on ceramic items in bathroom and sanitary installations

MAIN PRODUCT Polished, black atramentized

					
514005	200	10			350
514105	200	20			360

DETAILS

Special tool steel, completely hardened and tempered
Induction-hardened cutters
With side-cutting nipper for soft wire at the side of the joint



HIGH-QUALITY TOOLS
FROM A SINGLE SOURCE

MADE IN GERMANY

HIGH-GRADE DESIGN

Another characteristic of VBW: One name ... one source

VBW considers itself to be a partner of trade dealers. As a result, we feel it makes sense to offer a range of ancillary products to supplement those that make up our core competencies.

It is worth placing orders with VBW for bundles of tools and tool families – benefit from the synergy effects of efficient ordering.

And it goes without saying that our ancillary products are hand-picked to ensure their quality is as outstanding as our core tools. When selecting manufacturers as partners, we emphasise that the products must be **made in Germany**, in the same way as our own.

Get to grips with it, with VBW.
High-grade tools from a single source.

ANCILLARY TOOLS

CONTENTS

ANCILLARY TOOLS

6.0 Advantages & characteristics	118
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6.4 Bending, holding, measuring, sawing	127
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210/1 Workshop slotted screwdrivers

Suitable for all classic applications



MATERIAL Chromium plated with black tip

210105	2.5	75	0.4	160			6	28
210110	3.0	80	0.5	165			6	32
210115	3.5	100	0.6	185			6	35
210120	4.0	100	0.8	195			6	48
210125	5.0	150	0.8	245			6	63
210130	5.5	125	1.0	230			6	70
210135	6.0	100	1.0	205			6	77
210140	6.5	150	1.2	265			6	88
210145	8.0	150	1.2	265			6	103

DETAILS

- Two-component handle with hard section and soft pads
- Ergonomically designed plastic handles for strain-free, powerful tightening action
- Blades cannot twist in the handle due to shaped ridges
- Heat resistant and non-flammable
- Non-splintering
- High-impact
- Blades made of high-alloy special CV steel
- Optimum torquing
- Resistant to oil and solvents
- DIN 5265 A



215/1 Phillips screwdrivers, PH

Suitable for all classic applications



MATERIAL Chromium plated with black tip

	PH			Min.	Max.				
215105	0	60	145		2.0			6	33
215110	1	80	175	2.0	3.0			6	53
215115	2	100	205	3.0	5.2			6	78
215120	3	150	270	5.2	7.2			6	145

DETAILS

- Two-component handle with hard section and soft pads
- Ergonomically designed plastic handles for strain-free, powerful tightening action
- Blades cannot twist in the handle due to shaped ridges
- Heat resistant and non-flammable
- Non-splintering
- High-impact
- Blades made of high-alloy special CV steel
- Optimum torquing
- Resistant to oil and solvents



7-PC. SET | ORDER NO. 210500



210/1S Sets of screwdrivers for the trades, 2-component version

Standard equipment for universal use in industry, the trades, workshops and the household

MATERIAL Chrome-plated, gunmetal finish tips

223500

7

525

CONTENTS 7-pc. set of tools in cardboard box

- 1 x 210110 3 x 80 mm
- 1 x 210120 4 x 100 mm
- 1 x 210135 6 x 100 mm
- 1 x 210145 8 x 150 mm
- 1 x 215110 PH 1 x 80
- 1 x 215115 PH 2 x 100
- 1 x 227005 Voltage tester, 3 x 140 mm

DETAILS

- 2-component handle with softer layer and large diameter
- Blades cannot twist in the handle due to shaped ridges
- Non-splintering
- Blades made of high-alloy special CV steel
- Resistant to oil and solvents
- Ergonomically designed plastic handles for strain-free, powerful tightening action
- Heat resistant and non-flammable
- High-impact
- Optimum torquing





240 Wad punches, DIN 7200 A

Suitable for punching leather, paperboard, rubber and other soft materials



MATERIAL Red lacquered, polished

	mm	Ø		
240005	2	100		43
240010	3	100		43
240015	4	100		43
240020	5	100		54
240025	6	100		54
240030	7	100		65
240035	8	112		80
240040	9	112		95
240045	10	115		100
240050	11	122		110
240055	12	122		110
240060	13	122		142
240065	14	135		142
240070	15	135		142
240075	16	135		145
240080	17	143		183
240085	18	143		183
240095	20	155		178
240100	21	155		185
240105	22	155		250
240115	24	168		267
240120	25	168		365
240135	28	175		440
240145	30	175		430
240155	32	178		490
240175	36	190		576
240195	40	193		680
240200	41	205		725
240245	50	215		1005

DETAILS

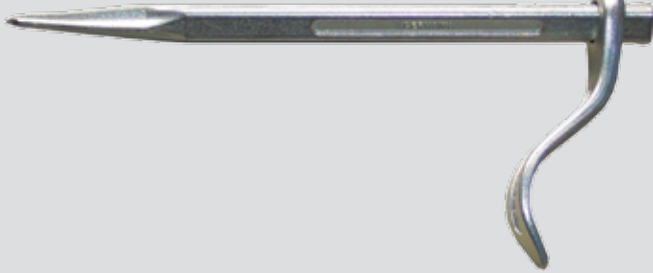
Red lacquered, polished
'GS' safety mark
Drop-forged as a single part
Cutter hardened and tempered
Special steel
DIN 7200 A



245 PROFESSIONAL concrete and plaster hooks

Suitable for anchoring boards when plastering piles

Original brand name: Bertool



MATERIAL Stake and hook are forged/hardened, zinc plated, with fixed hooks

245005	150	85							150	170
245006	150	115							100	210
245010	210	85							100	210
245011	210	115							50	250
245012	340	160							50	540

MATERIAL Stake and hook are forged/hardened, zinc plated, with movable hooks

245015	150	85							150	170
245016	150	115							100	210
245020	210	85							100	210
245021	210	115							50	250
245022	340	160							50	540

DETAILS

Concrete and plaster hooks the way the experts like them

Different dimensions for different applications

Forged, tips hardened

Made in Germany: at our Group's own factories

Only sold by the bucket-load

The contents can be seen from the above table

The quantity symbol means there are 150, 100 or 50 PROFESSIONAL concrete and plaster hooks in the bucket

Other quantities cannot be supplied



Not sold individually –
only by the bucket-load

246 PROFESSIONAL line pins

Suitable for fixing and tensioning twine to provide a straight line for tiling and paving jobs

Original brand name: Bertool



MATERIAL Zinc plated

246005	150								300	95
246010	210								200	140

DETAILS

Forged, tips hardened

Made in Germany: at our Group's own factories

The quantity symbol means there are 300 or 200 PROFESSIONAL line pins in the bucket

Other quantities cannot be supplied

Only sold by the bucket-load

The contents can be seen from the above table



Not sold individually –
only by the bucket-load



276 Nail puller, hexagonal

Suitable for extracting metal nails

MATERIAL Red lacquered, polished

276005	600							1	1390
276010	800							1	2260

DETAILS

Chrome vanadium steel, hexagonal

With claw

Forged, hardened and tempered to high standards



277 Heavy duty flat cold chisel

For removing plaster and tiles

MATERIAL Red lacquered, polished

277010	150	21	14	11			5	176
277020	200	28	23	13			5	390
277030	250	28	23	13			5	439
277035	300	32	23	13			5	598

DETAILS

Made of flattened-oval, chrome vanadium, air hardening steel.

Chisel blade core-hardened

Can be reground

Blade lacquered

Head hardened and tempered



285 Flat oval stone chisels

Suitable for piercing masonry, concrete and individual rocks & stones

MATERIAL Red lacquered, polished

285005	250	28	20	12			5	490
285010	300	32	23	13			5	596
285020	400	35	23	13			5	824

DETAILS

Made of flattened-oval, chrome vanadium, air hardening steel.

Chisel blade core-hardened

Can be reground

Blade lacquered

Head hardened and tempered, DIN 7254



286 Octagonal pointed cold chisels

Suitable for piercing masonry, concrete and individual rocks & stones



MATERIAL Red lacquered, polished

286015	300	18								5	562
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DETAILS

Made of flattened-oval, chrome vanadium, air hardening steel.

Chisel blade core-hardened

Can be reground

Blade lacquered

Head hardened and tempered

289 Electrician's chisels

For electricians working in masonry



MATERIAL Red lacquered, polished

289005	200	8	6							5	53
289010	200	10	8							5	96
289015	200	12	8							5	93
289020	250	10	8							5	117
289025	250	12	8							5	118
289030	300	12	8							5	143

DETAILS

Made of flattened-oval, chrome vanadium, air hardening steel.

Chisel blade core-hardened

Can be reground

Blade lacquered

Head hardened and tempered

290 Slitting or bodywork chisels

Suitable for working in metal or masonry



MATERIAL Red lacquered, polished

290005	230	26	26	7						5	292
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DETAILS

Made of flattened-oval, chrome vanadium, air hardening steel.

Chisel blade core-hardened

Can be reground

Blade lacquered

Head hardened and tempered



257 Drift punches

Suitable for driving out rivets, pins, spring pins and bolts



MATERIAL Red lacquered, polished

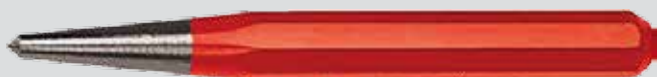
		mm	Ø	mm	mm	mm	mm	mm	mm	mm
257005	1	120	12							10 86
257010	2	120	12							10 86
257020	4	120	12							10 90
257025	5	120	12							10 90

DETAILS

Chrome vanadium
Hardened and tempered to high standards
DIN 6458

258 Centre punches

For marking up a centre point for drilling



MATERIAL Red lacquered, polished

	mm	mm	mm	mm	mm	mm	mm	mm	mm
258010	120	12							10 92

DETAILS

Chrome vanadium
Hardened and tempered to high standards
DIN 7250

260 Pin punches

For driving out split pins



MATERIAL Red lacquered, polished

	mm	mm	mm	mm	mm	mm	mm	mm	mm
260005	2.0	150	35	10					10 70
260008	2.5	150	40	10					10 70
260010	3.0	150	40	10					10 70
260015	4.0	150	50	10					10 63
260020	5.0	150	50	10					10 67
260025	6.0	150	50	10					10 71
260035	8.0	150	55	12					10 100
260045	10	150	55	12					10 128

DETAILS

Chrome vanadium
Hardened and tempered to high standards, octagonal
DIN 6450 C



MORE PIN PUNCHES ALSO AVAILABLE IN OUR SETS OF TOOLS: FROM P. 133



374 Feeler gauges

For measuring clearances

MATERIAL White polished spring steel strip, housing nickel-plated

374020	20 x										10	100



DETAILS

Hardened spring steel
Folds away in nickel-plated section
With locking screw

167 Chalk line holder

For marking a line for laying pipes and cables

MATERIAL chalk line, red lacquered, polished

167005	125	30									6	300

REPLACEMENT Twine

167105		30									5	34
--------	--	----	--	--	--	--	--	--	--	--	---	----

REPLACEMENT Powder, blue

167115											5	250
--------	--	--	--	--	--	--	--	--	--	--	---	-----

REPLACEMENT Powder, red

167110											5	250
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DETAILS

Sturdy metal housing
With 30 m interchangeable line
Can also be used as plumb bob
Foldaway crank
Refill chamber can be easily opened and closed
Powder supplied in convenient bottle with filler





250 Scribing iron

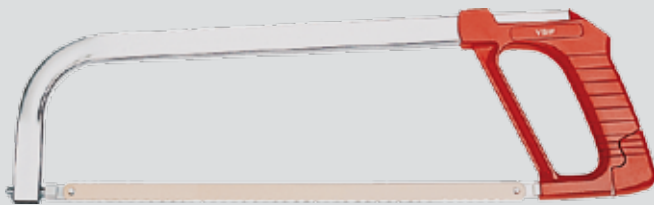
Suitable for marking up, even at an angle

MATERIAL Angled, nickel-plated

250005	250	70								55	10
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DETAILS

Knurled handle
Special steel



384 Hacksaw frame

Suitable for sawing metals & plastics

MATERIAL Red lacquered

384005	435	300	12								538
--------	-----	-----	----	--	--	--	--	--	--	--	-----

DETAILS

Compact dimensions, will fit in all popular assembly toolboxes
Aluminium pistol grip
Blade tensioning mechanism integrated in pistol-grip handle as quick-action tensioner



383 Hacksaw blade

Suitable for sawing metals & plastics

MATERIAL Red lacquered

383005	300	13	0.63	24						100	18
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DETAILS

One-sided HSS bimetallic
Bimetallic: also suitable for sawing very hard metals
Very fast sawing action possible

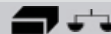


976 Small hand saws

Top-of-the-range model for wood and metal



MATERIAL GRP handle, zinc plated/nickel-plated



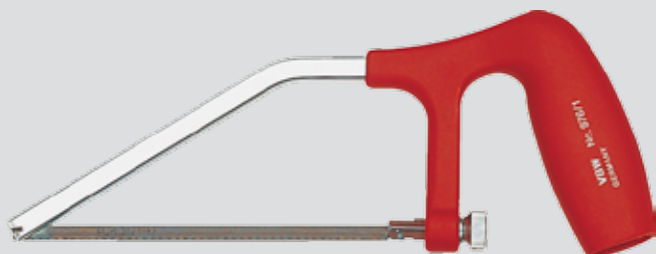
976100	250	145							10	168
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DETAILS

- With red, fibreglass reinforced plastic handle
- With universal PUK saw blade
- Throat depth 50 mm
- Frame made of flat steel 10 x 5 mm

976/1 Small hand saws

Ideal for sawing in confined spaces



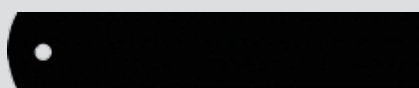
MATERIAL GRP handle



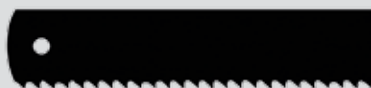
976110	250	145							10	160
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DETAILS

- Pointed version
- With universal PUK saw blade
- With red, fibreglass reinforced plastic handle
- Throat depth 50 mm



379/2



379/3



379/2-4 PUK universal saw blades

Suitable for handsaw cutting

UNIVERSAL SAW BLADE Fine-toothed



379010	3792	25	145						12	3
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HACKSAW BLADE Medium tooting

379015	3793	50	145						12	3
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7-PC. SET | ORDER NO. 073100



12-PC. SET | ORDER NO. 073120





73 P Sets of hex keys

Standard equipment for universal use in industry, the trades, workshops and the household

MATERIAL Nickel-plated

		 								
073100	7 x									130

MATERIAL Nickel-plated

		 								
073120	12 x									1765

CONTENTS 7- or 12-pc. set of tools in plastic wallet

073100 One each: size 2 | 2.5 | 3 | 4 | 5 | 6 | 8

073120 One each: size 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 17 | 19

DETAILS

Ends chamfered to facilitate insertion in the head of the screw
In accordance with DIN 911, ISO 2936


8-PC. SET | ORDER NO. 073860



B 73 Sets of hex keys

Standard equipment for universal use in industry, the trades, workshops and the household, 8-pc. set

MATERIAL Chrome vanadium, nickel-plated

		 								
073860	8 x									291

CONTENTS Eight-pc. set of tools in plastic case

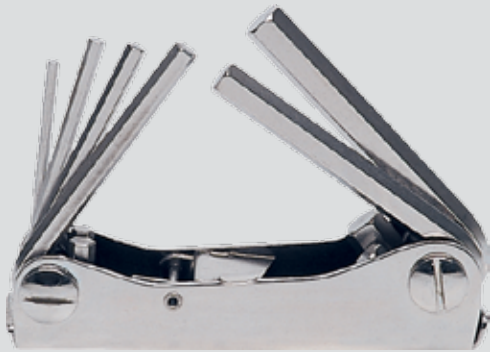
One each, size 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10

DETAILS

Ends chamfered to facilitate insertion in the head of the screw
In accordance with DIN 911, ISO 2936





SETS OF TOOLS | FOUR CONFIGURATIONS, REFER TO TABLE





H 73 Sets of hex keys

Standard equipment for universal use in industry, the trades, workshops and the household

MATERIAL Chrome vanadium, nickel-plated

									
073400	6 x							5	148
073410	6 x							5	256
073420	7 x							5	376

MATERIAL Nickel-plated, consists of American (AF) sizes

									
073540	7 x								168

CONTENTS Set of tools in foldaway holder

073400 One each: size 2 | 2.5 | 3 | 4 | 5 | 6 |

073410 One each: size 2.5 | 3 | 4 | 5 | 6 | 8 |

073420 One each: size 2.5 | 3 | 4 | 5 | 6 | 10 |

073540 One each: size 1/16" | 5/64" | 3/32" | 1/8" | 5/32" | 3/16" | 7/32"

DETAILS

End chamfered to facilitate insertion in the head of the screw

With convenient lifter

In accordance with DIN 911, ISO 2936





9-PC. SET | ORDER NO. 073650



C 73 KL Set of ball-end key wrenches

Standard equipment for universal use in industry, the trades, workshops and the household

MATERIAL Chrome vanadium, nickel-plated

									
073650	9 x								430

CONTENTS Nine-pc. set of tools in clip

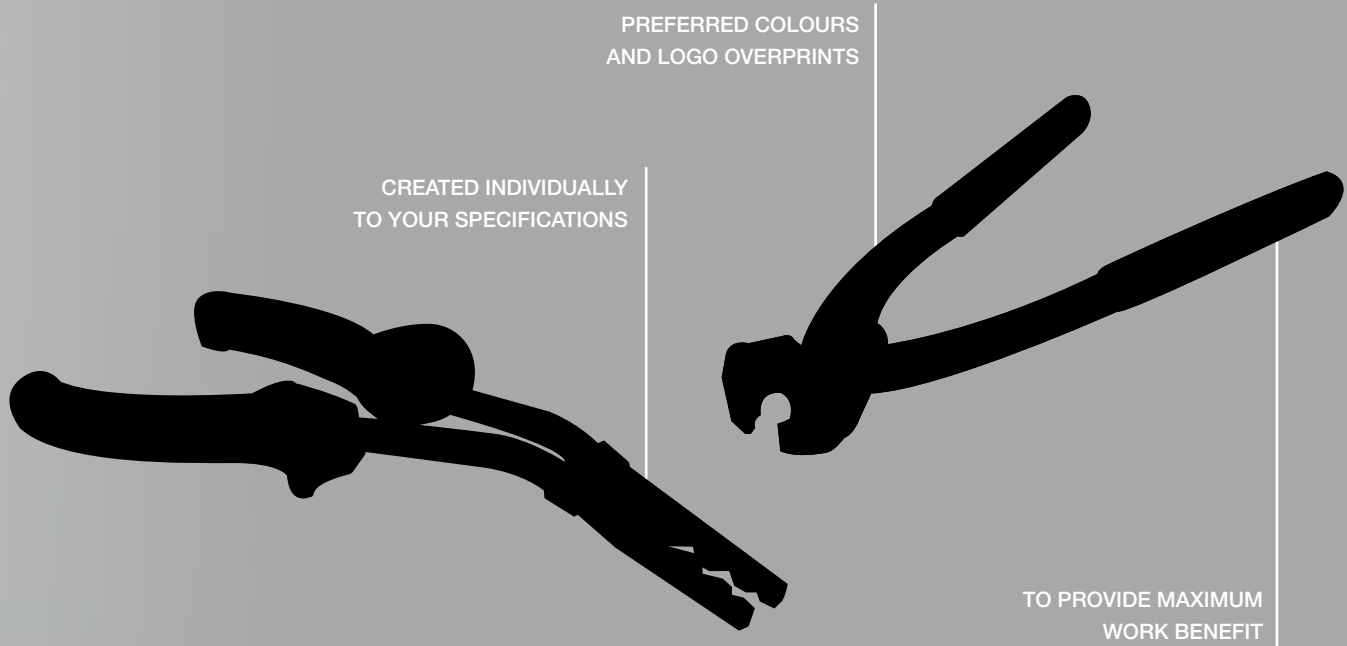
One of each: size 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10





DEVELOPED BY OUR IN-HOUSE
ENGINEERING DEPARTMENT

SPECIAL SOLUTIONS



Your needs, shaped to specification: Special-purpose solutions by VBW

Many applications require specially developed solutions that are simply not available on the market in the required shape or form. For such bespoke solutions, we have our highly experienced in-house design engineering department.

We will develop exactly the solution you need for your application to your specifications and the highest standard of quality –

made in Germany. The tools are constructed just the way you want them to provide you with the best possible ease-of-use. In most cases, it is also possible to overprint a logo or company name to your requirements.

We will be pleased to discuss your special project and develop a tailor-made solution.



Product	P.
½" ratchets for spud wrenches	046
20° fibre glass cutters	111
30° oblique cutters for precision mechanics	106
90° plumber's wrench	035
ABC X-GRIP plumber's wrench	032
ABC X-GRIP plumber's wrench, red edition	032
Adjusting screw	020
Adjusting screw/eccentric screw	016
AllGRIP waterpump pliers	029
Automatic crimping pliers	097
Automatic wire-strippers	071
Basin wrench insert	044
Basin wrenches	044
BauCUT cutters for welded wire-mesh	022
Bolt-cutters with double-sided cutters	018
Bolt-cutters, angled long-reach cutters	016
Cable shears	080 081 082
Cable shears cutterhead	081 082
Centre punches	126
Centre-cutters	059
Chain pipe wrench chain	036 037
Chain pipe wrenches, light-weight version	036
Chain pipe wrenches, US type	037
Chalk line holder, blue powder	128
Chalk line holder, red powder	128
Chalk line holder, spare line	128
Circlip pliers for external circlips	100
Circlip pliers for internal circlips	099
Classic waterpump pliers	030
CombiCUT [®] compact bolt cutters	015
CombiCUT [®] small bolt cutters	015
Combination pliers	056
Combined cutting and crimping tools for Scotchlok [®] connectors	097
Combined nail-puller and punch	124
Combined spud wrenches	045
Compact pipe cutter wheels, Cu Fe	042
Compact pipe cutters	042
Concrete and plaster hooks	123
Control cabinet key	047
Control cabinet key, SuBMaster 9 in 1	046
Copper pipe bending wrench	045

Product	P.
Copper pipe cutter wheels, Cu Fe	041
Copper pipe cutter wheels, PL	042
Copper pipe cutters	042
Corner pipe wrench 45°	034
Crimping pliers	093
Crimping tool	095 096
Cutterhead for bolt-cutters	018
Cutterhead for bolt-cutters, angled long-reach cutters	014
Cutterhead for CombiCUT [®] compact bolt cutters	015
Cutterhead for CombiCUT [®] end cutting bolt-cutters	015
Cutterhead for end cutting bolt-cutters	012
Cutterhead for EuroCUT grating & flat workpiece cutters	023
Cutterhead for flush-cut bolt cutters	017
Cutterhead for LightCUT [®] bolt-cutters	013
Cutterhead for LightCUT [®] bolt-cutters, offset cutters	016
Cutterhead for UNIBOLT [®] bolt-cutters	012
Cutterhead for WAGGONIT [®] bolt-cutters	013
Cutterhead for welded wire-mesh, long-reach cutters	022
Cutters for welded wire-mesh, long-reach cutters	022
Double-fulcrum end cutting nippers	059
Drift punches	126
Electrician's chisels	125
Electrician's combination pliers	056
End-cutting bolt cutters	012
ESD end cutting nippers for electronics, slim-line	088 089
ESD flat nose pliers for electronics	085
ESD mini side-cutters for electronics	086
ESD round nose pliers for electronics	086
ESD side-cutters for electronics	086 087 088
ESD snipe nose pliers for electronics	086
EuroCUT grating and flats cutter	023
FastGRIP waterpump pliers	028
Feeler gauges	129
Flat cold chisel	124
Flat nose pliers for micromechanics	106
Flat nose pliers with long jaws	060
Flat oval stone chisels	124
Flush-cut bolt cutters	017

Product	P.
Foldaway electrician's penknives	083
Gripping pliers for micromechanics	107
GS tested voltage testers	085
Gutter bracket bending pliers	127
Hacksaw blade	129
Hacksaw frame	129
Handrail gripping wrench	114
Heavy-duty end-cutting nippers	060
Heavy-duty side-cutters	058 059
Hose assembly pliers	108
Jewellery shaping pliers, round-nose pliers	103
Lever-action revolving punch pliers	115
LightCUT [®] 30° flush-cut bolt cutters	018
LightCUT [®] bolt-cutters	014
LightCUT [®] bolt-cutters, offset cutters	014
LightCUT [®] cutterhead for welded wire-mesh cutters	020
LightCUT [®] cutters for welded wire-mesh	020
LightCUT [®] telescopic bolt-cutters	019
LightCUT [®] telescopic cutters for welded wire-mesh	021
Line pins	123
Long-nose pliers	104
Marking line holder	128
MasterCUT heavy-duty steel fixer's pincers	025
Mechanic's flat nose pliers	103
Mechanic's round nose pliers	103
Mechanic's snipe nose pliers	103 104 105
Midget tube cutter wheels, Cu Fe	042
Midget tube cutters	041
Needle pliers	061 062
Nut for plumber's wrenches/corner pipe wrenches	033
Nut for plumber's wrenches/corner pipe wrenches/S-shaped pipe-wrenches	033
Nuts for plumber's wrenches	035
Octagonal pointed cold chisels	125
Phillips screwdrivers	120
Pin punches	126
Pincers	117
Pipe cleaning rod	049
Pipe cutter wheels, cast	041
Pipe cutter roller	041
Pipe cutter wheels, Cu Fe	041

Product	P.	Product	P.	Product	P.
Pipe cutter wheels, plastic PL	041	Set of screw extractors	133	VDE round nose pliers	076
Pipe cutters	041	Set of spare punches, 6-pc. set	115	VDE side-cutters	074
Pipe cutters pin	041	Set of VDE electrician's screwdrivers	090	VDE telephone engineer's pliers	077
Pipe-welder's self-grip wrench	114	Set of VDE pliers & cutters, chromium, multi-component handles	090 091	VDE waterpump pliers	078
Pipe-welder's self-grip wrenches	114	Set of VDE pliers & side-cutters, Compact C chromium, multi-component handles	091	VDE wire-strippers	078
Plastic pipe shears	042	Set of X-GRIP Red Edition wrenches, 3-pc. set	052	VDE wire-strippers, automatic	076
Plastic side-cutters	110 111 112	Set of X-Grip wrenches, 3-pc. set	052	Wad punches	122
Plumber's wrenches	030	Sets of ball-end key wrenches	132	WAGGONIT® bolt-cutters	013
Potter's or slater's pincers	117	Sets of hex keys	131 132	WAGGONIT® cutterhead for welded wire-mesh cutters	020
PowerGRIP adjustable spanner	028	Sets of screwdrivers for the trades	125	WAGGONIT® cutters for welded wire-mesh	020
Precision mechanic's snipe-nose pliers	106	Sets of waterpump pliers, 3-pc. set	050	Waterpump pliers	030
Profi-Key	046	S-GRIP® S-shape jaws pushbutton waterpump pliers	029	Wide-jaw self-grip wrench	113
Punch pliers for ceramic tiles	117	Side-cutters	057 058	Wire cable cutters	083
Quick-action wrenches	039	Single-handed cable shears	080	Wire cable cutters cutterhead	083
Relay pliers	107 108	Slitting or bodywork chisels	125	Wire stripping and cutting tool	096
Revolving punch pliers	115	Slotted screwdrivers for the trades	120	Wire-stripper	070
Round nose pliers	061	Slotted VDE screwdriver	084	Wire-strippers & side-cutters	057
Round-nose pliers with long jaws	061	Small hand saws	130	Wire-strippers with automatic gauge adjustment	070
Scotchlok® connectors	097	Snipe-nose pliers, telephone engineer's pliers	062 063		
Scribing iron	129	Spare cutterheads	081		
Seaming pliers	127	Special circlip pliers	101		
Self-grip pipe wrench	036	Special spanners for sanitary installations	044		
Self-grip wrench	113	S-shaped pipe-wrenches	033		
Set of cutterhead fasteners BO universal	023	Strap wrench	044		
Set of cutterhead fasteners BO/MA universal	023	Switch-cabinet key and screwdriver	047 048 049		
Set of electronics pliers and cutters, polished, multi-component handles, ESD safe	089	Top 45° pipe wrenches	034		
Set of FastGRIP waterpump pliers, 3-pc. set	053	TopCUT steel fixer's pincers	025		
Set of pin punches	133	U-bend wrenches, connector pliers	039		
Set of pliers & side-cutters, Compact C chromium, multi-component handles	067	UNIBOLT® bolt-cutters	012		
Set of pliers & side-cutters, Compact P polished, multi-component handles	066	UNIBOLT® LightCUT® bolt-cutters	013		
Set of pliers & side-cutters, polished, dip-coated in plastic	063 066 067	Universal PUK saw blade	130		
Set of pliers & side-cutters, polished, multi-component handles	065	Universal self-grip wrenches	113		
Set of pliers for circlips	101	VDE cable shears	079		
Set of pliers, chromium, multi-component handles	064	VDE combination pliers	073		
Set of plumber's wrenches, 3-pc. set	051	VDE double-fulcrum cable shears	079		
Set of plumber's wrenches/waterpump pliers, 3-pc. set	053	VDE electrician's combination pliers	073		
Set of PowerGRIP adjustable spanners, 3-pc. set	051	VDE flat nose pliers	075		
		VDE heavy-duty side-cutters	075		
		VDE Phillips screwdriver	084 085		



Order	P.	Order	P.	Order	P.	Order	P.	Order	P.	Order	P.	Order	P.	Order	P.
073100	131	134010	045	188015	030	240070	122	289025	125	490005	082	521105	061	534110	100
073120	131	134015	045	190005	113	240075	122	289030	125	491005	081	523105	099	534115	100
073400	132	134020	045	190010	113	240080	122	290005	125	491010	081	524102	062	534120	100
073410	132	134030	045	192005	113	240085	122	335105	133	491020	082	524103	062	534125	100
073420	132	140005	041	195005	113	240095	122	335110	133	491020	081	524105	062	537005	097
073540	132	140105	041	195010	113	240100	122	335115	133	491020	079	524202	062	538005	097
073650	132	140110	041	195015	113	240105	122	355005	115	491025	081	524203	062	539010	095
073860	131	140115	041	196010	114	240115	122	356005	115	492005	082	524205	062	539020	095
100010	033	140205	041	197005	114	240120	122	356010	115	493005	080	524602	062	539030	095
100015	033	140210	041	198005	114	240135	122	374020	129	493010	080	524603	062	539040	096
100020	033	140303	041	199035	046	240145	122	379010	130	494005	083	524605	062	539050	096
100025	033	140305	041	199115	045	240155	122	379015	130	494010	083	526005	063	539100	096
100050	033	140310	041	199116	045	240175	122	383005	129	494015	083	526010	063	540010	097
100060	033	140403	041	199120	045	240195	122	384005	129	495005	080	526100	063	540015	097
100065	033	140405	041	210105	120	240200	122	385010	083	495010	080	526105	063	542105	070
100070	033	141105	041	210110	120	240245	122	385020	083	495025	080	526600	063	542205	070
110010	035	141105	042	210115	120	240245	122	430005	012	496010	080	526605	063	543105	070
110015	035	141105	042	210120	120	245006	123	430010	012	500010	059	530005	101	543205	070
110020	035	141110	042	210125	120	245010	123	430015	012	500015	059	530105	101	543305	070
110025	035	145005	044	210130	120	245011	123	430020	012	500020	059	530205	101	544005	071
110030	035	149105	044	210135	120	245012	123	430025	012	501615	059	531000	099	545105	056
110075	033	149110	044	210140	120	245015	123	430050	013	503010	107	531005	099	545110	056
110080	035	149115	044	210145	120	245016	123	430136	012	504010	107	531010	099	545115	056
111005	034	149120	044	210500	125	245020	123	430137	012	505010	108	531015	099	545305	056
111010	034	151105	039	215105	120	245021	123	430139	012	506010	108	531020	099	545310	056
111015	034	154005	039	215110	120	245022	123	430140	012	510005	025	531600	099	545315	056
111020	034	154010	039	215115	120	246005	123	433020	015	510010	025	531605	099	545605	056
111025	034	156205	127	215120	120	246010	123	433040	015	510015	025	531610	099	545610	056
115005	032	156210	127	223105	084	250005	129	433125	015	510020	025	531615	099	545615	056
115010	032	157005	127	223110	084	257005	126	433145	015	510105	025	531620	099	546010	056
115015	032	158005	049	223115	084	257010	126	434025	016	510110	025	532005	099	550105	093
115020	032	158010	049	223120	084	257020	126	434081	016	510115	025	532010	099	553105	062
115025	032	158015	049	223125	084	257025	126	434135	016	510120	025	532015	099	554105	061
115050	034	167005	128	223130	084	258010	126	435010	020	511005	117	532020	099	568005	108
115110	032	167105	128	223135	084	260005	126	435030	021	511105	117	532025	099	568010	108
115115	032	167110	128	223500	090	260008	126	435133	020	512000	025	532105	099	569105	104
115120	032	167115	128	224105	085	260010	126	436010	022	512020	025	532110	099	569110	104
127005	036	172100	046	224110	085	260015	126	436132	022	512220	025	532115	099	569205	104
127010	036	172190	046	224115	085	260020	126	437002	017	514005	117	532120	099	569210	104
127015	036	173071	047	224120	085	260025	126	437005	017	514105	117	532125	099	570115	103
127020	036	174100	047	226110	084	260035	126	437100	023	515005	117	533040	100	571105	103
127025	036	174300	048	226115	084	260045	126	437131	017	515010	117	533045	100	572110	103
128005	044	174500	048	227005	085	276005	124	437133	017	515020	117	533050	100	573310	104
129005	036	174700	049	240005	122	276010	124	438050	018	515105	117	533055	100	574115	104
129010	036	180305	028	240010	122	277010	124	439005	018	515110	117	533060	100	574215	104
130010	037	180310	028	240015	122	277020	124	439010	018	515120	117	533640	100	575015	105
130015	037	180315	028	240020	122	277030	124	439015	018	518005	060	533645	100	576115	105
130020	037	180900	051	240025	122	277035	124	439020	018	518105	060	533650	100	576215	105
130025	037	182005	028	240030	122	285005	124	439131	018	518605	060	533655	100	577015	105
130030	037	182010	028	240035	122	285010	124	439132	018	519000	061	533660	100	578015	106
130110	037	182015	028	240040	122	285020	124	439133	018	519005	061	534005	100	579015	106
130115	037	182900	053	240045	122	285020	124	439134	018	519100	061	534010	100	580105	106
130120	037	184010	029	240050	122	286015	125	439134	018	519105	061	534015	100	581105	107
130125	037	186010	029	240055	122	289005	125	445010	012	521000	061	534020	100	582105	107
130130	037	188005	030	240060	122	289010	125	445135	012	521005	061	534025	100	583010	106
134005	045	188010	030	240065	122	289015	125	480010	023	521100	061	534105	100	584005	060
						289020	125	480133	023						

Order	P.	Order	P.	Order	P.
584015	060	598030	075	950010	035
584105	060	598120	075	950015	035
584115	060	598125	075	950020	035
584605	060	598130	075	951010	034
584615	060	599005	073	951015	034
586105	058	600010	075	951020	034
587110	057	601005	076	952005	033
587115	057	601105	076	952010	033
587120	057	602005	079	952015	033
587215	057	602010	079	952020	033
587220	057	603010	079	952030	033
587225	057	604010	076	966005	030
587520	057	605005	079	966010	030
587605	057	605010	079	966015	030
587610	057	610005	085	966021	050
587615	057	611005	086	966025	030
587620	057	612005	086	966030	030
588105	058	613005	086	966031	030
588110	058	614005	086	966032	030
588112	058	615005	087	966164	050
588115	058	615010	087	966165	030
588120	058	616005	087	966166	030
588205	058	616010	087	966167	030
588210	058	617005	087	970500	133
588212	058	618005	088	976100	130
588215	058	619005	088	976110	130
588220	058	620005	088	977005	041
588605	058	621005	089	978005	042
588610	058	622005	089	978155	042
588615	058	630005	110	978205	042
588620	058	631005	110	980005	013
588625	058	632005	110	980010	013
588670	059	632010	110	980015	013
589210	078	632015	110	980020	013
590205	075	632020	110	980030	019
592110	077	633110	111	980050	014
592205	077	636105	112	980082	020
592210	077	636110	112	980100	023
593010	077	636115	112	980135	013
593205	077	637115	112	980136	013
593210	077	641015	111	980137	013
594005	078	641030	111	980138	013
594205	078	642110	111	984050	014
595205	076	777000	101	985010	020
596205	073	800005	064	985135	020
596210	073	800010	064	991115	052
596215	073	800025	065	991215	052
596305	073	800040	065	991605	089
596310	073	800045	066	991900	053
596315	073	800050	067	991952	051
597020	074	800080	066	996010	022
597025	074	800085	067	996135	022
597115	074	840040	063		
597120	074	860005	090		
597125	074	860010	091		
597520	074	880050	091		

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The world of pliers

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