Tools
Catalogue 2015/2016
Let's connect.

Connectivity and electrical installation



Weidmüller

Dear Customers,

The PDF versions of our catalogues offer practical additional functions, helping you to find your way around our product range and simplifying the ordering process.

In addition to the catalogue, the PDF also contains:
- Internal page links
- Links to the online catalogue

Try it out for yourself. Click the order number to obtain more detailed information and close-up images via you web browser. The links in the PDF file also enable you to go directly to the next desired catalogue page.

Further Weidmüller product catalogues can be accessed by clicking the following:



Tools
Catalogue 6

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	Measuring / Testing	
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Tools

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Professional tools for installation work

Specialised and practical

Weidmüller has been developing and manufacturing quality tools for the many diverse, extensive and highly demanding uses in industry for over 30 years. Our single goal when developing new solutions is simply to make your work easier, to facilitate efficient work process and to help facilitate increased productivity now and and long-term.

Cutting tool
The KT 45 R has a lot going for it: an extremely narrow grip width, energy-efficient operation, cuts up to 400 mm² and an easy release option even under load.



Stripping tool
You can achieve precise stripping results ranging from 0.08 to 10 mm² with the stripax® self-adjusting stripping tool. The perfect addition: stripax® 16, 6 to 16 mm², with a blade shape developed specifically for the task in hand.





Sheath stripper
The AM 16 sheathing stripper allows you to remove a section of sheathing in the middle of a cable, in order to generate equipotential bonding for achieving electromagnetic compatibility with a clamping yoke.





Crimping tool
The rotating die of the PZ 6 roto means that wire end ferrules can be inserted from the front or the side. Highest processing quality is guaranteed with a single die of 0.14 to 6 mm².



Cutting tool
The specially designed cutters on our KT tools result in smooth and straight cuts every time, without deforming the conductor.





Torque screwdriver
With this tool, you will always be within the correct torque range. It guarantees safe and gas-tight connections, prevents the screw clamps from being mechanically damaged, and results in a voltage drop well below the stipulated limits.



Certification

Certification	Tool Certification to DIN ISO 9001	A.2
	Manufacturing expertise	A.5

Introduction

Precision tools by Weidmüller are in use all over the world. This is a responsibility Weidmüller takes seriously, offering comprehensive services to support this global use.

Tools in daily use should always guarantee consistent processing quality even after many working cycles. This is why Weidmüller offers its customers the "Tool Certification" service. This technical testing procedure is Weidmüller's warranty for the functionality and quality of its tools.

The following pages provide a summary of our current range of services.

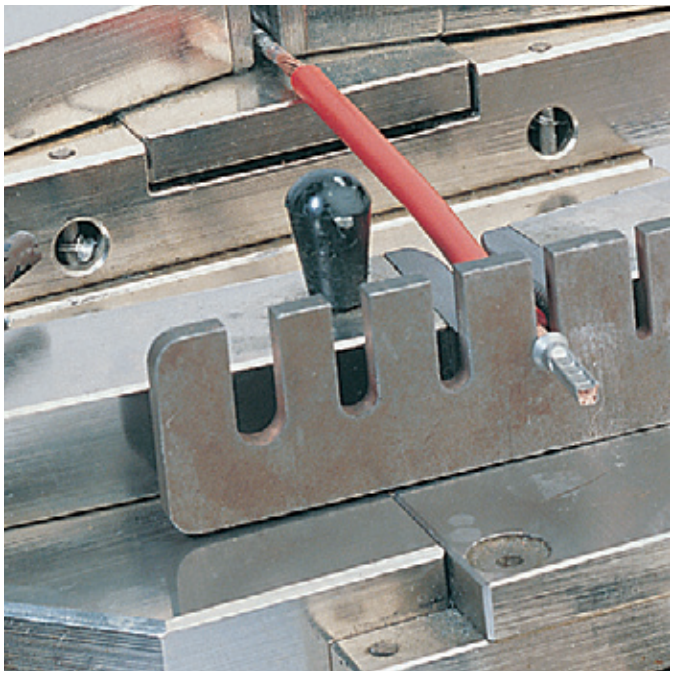


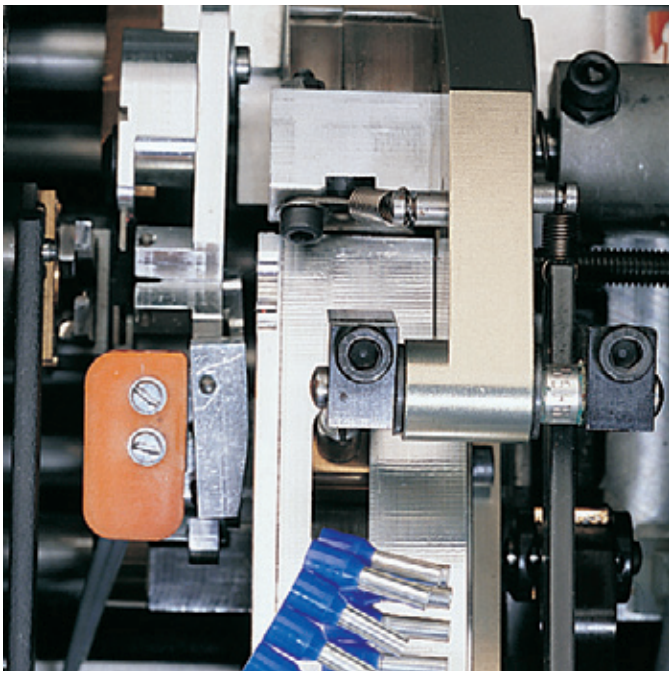
Regular quality checks of Weidmüller processing tools and the assemblies made with them guarantee optimum safety. In order to keep it that way and to prevent possible machine stoppages during production, regular maintenance and precise tool calibration is simply indispensable.

In order to receive a certified tool, customers have the option of either returning an existing Weidmüller tool for re-certification, or of purchasing a certified Weidmüller tool on submitting a new order.

Certification includes:
- Conductor extraction force testing according to relevant DIN regulations
- Issue of a test certificate with corresponding identification number and allocated customer number
- Recommendation for the next certification date; special testing intervals available on request







Weidmüller guarantees the functionality of its tools – in written form – with a comprehensive test certificate and a test label.

Furthermore, Weidmüller issues a laser-inscribed identification number to each tool leaving the factory; and on request, the tool is also supplied with the documentation for the customer's own DIN ISO 9001 quality control procedures.



Weidmüller

Weidmüller Interface GmbH & Co.KG
Klingenbergstr.16
32758 Detmold
☎ 05231 / 14-0
Fax. 05231 / 14-1313

Prüfzeugnis Nr. 405706
Test report No.

Kunde: Customer:	Fa. Mustermann Musterstraße 3 12345 Musterstadt	Kunden-Nummer Customer No:	12345
Artikel-Bez.: Description	MTR 110 Zert.	Eingangsdatum: Date of delivery	24.11.2011
Bestell-Nr.: Part-no.	9017490000	Auftrag/Retour Nr. Order No.:	12345678

Fert.-Datum: Production Date: 4 Quartal 2005	Exz.-Stell. Excentric Pos. Keine	Empfohlene nächste Kalibrierung: Recommended next calibration: 12/2012

Funktionsprüfung i.O. Functional check passed:	Ja Yes X	Nein No

Verwendete Meßmittel / Test Equipment	Nächste Kalibrierung/ calibration until
Zug-,Druck-Prüfmaschine/ Pull-,Pressure Unit: Erichsen Unimat Plus 054 – 20 K	10/2012

Lfd.-Nr. No.	Art der Prüfung of test	Ki	Vorgabe / Norm Specifications/Standards	Sollwert [[N] Reference Value [N]		Istwert [N] Actual Value [N]
1	Ausziehkraftprüfung H07V-K 10 mm² Pull Out Force Test Einsatzpaar 10/70 9018400000		DIN EN 61238	≥ 600		1884
2	Ausziehkraftprüfung H07V-K 120 mm² Pull Out Force Test Einsatzpaar 120 90184400000		DIN EN 61238	≥ 7200		> 10000
3						
4						
5						

Prüfsiegel angebracht. Test-Seal attached.	Ja Yes X	Nein No

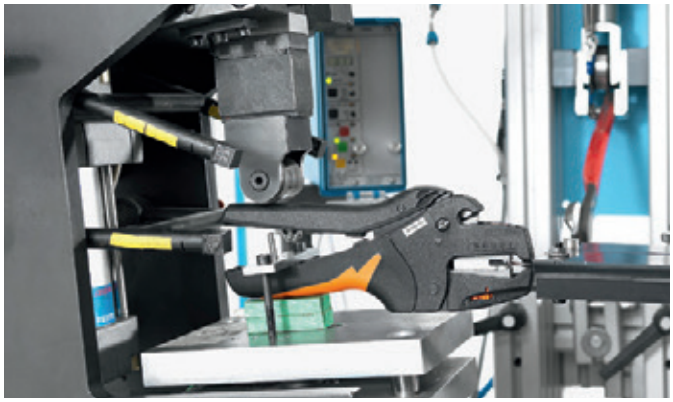
Bemerkungen / Remarks: Crimpwerkzeug für nicht isolierte Kabelschuhe 6 … 120 mm².
Kabelschuh gleichmäßig und ohne Beschädigung verpresst.
Crimping Tool for uninsulated cable lugs 6 … 120 mm²; cable lugs are crimped constant without any defects.

Dieses Dokument wurde maschinell erstellt und ist auch ohne Unterschrift gültig.
This document was generated by machine and is also valid without signature.

Das Werkzeug entspricht der oben genannten Norm. The tool confirmed to the norm.	Ja Yes X	Nein No

Datum: Date:	23.01.2012	Prüfer: Tested by:	H. Hänsgen

It takes a manufacturer who knows his clients' work to develop just the right tools for the job.



Testing the endurance of stripax® in the Weidmüller laboratory

Our professional tools are the result of an intensive development process, in direct response to customer feedback on the demands made of them in practice. Because, as a manufacturer, we believe that the right tools can only be developed for you if we are familiar with your business, understand your work processes and unrelentingly endeavour to help make them as effective as possible.
In addition, a long tool lifespan and application-based functionality are just as important to us in our work as creating the perfect working conditions. A good tool has to fit snugly in your hand, which is why we attribute such importance to achieving the best possible ergonomics, optimally distributing a tool's weight and making it easy to use. This protects you and boosts your efficiency.



Ultra modern manufacture of precision parts

Tested quality in all areas
We make sure that the quality of our tools is consistently maintained by subjecting them to rigorous tests in our own laboratory. This quality control process also incorporates the contacts and conductors that are worked on with our tools, and these undergo thorough testing together with our terminals.
Whether it's a test of insertability into the rated clamping space, a bending test or a test of the pull-out forces, the complex, cross-linked testing procedures give you the peace of mind that both products and tools will work together in harmony.
This means you can benefit from having precision tools that deliver unfailing functionality and excellent manageability. This in turn helps enable you to optimise your work processes and increase your productivity.

Products are invariably only as good as the tools with which they are processed. Which is why everything goes hand in hand at Weidmüller.
We have just the right tools for all your needs, covering everything from terminal mounting to the installation of sensitive electronic components.

We aim to simplify your work and help boost your profitability.

Cutting

Cutting	Introduction	B.2
	Cutting tools	B.4
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	Electrician's knife / Electrician's scissors	B.16

Cutting

A large number of cables and conductors in many different types and designs are used to connect electrical and electronic components. The cables and wires must be accurately prepared for the various types of connection. The quality of the cutting process is therefore of critical importance. Mechanical efficiency together with the special cutting pattern reduces the manual force required to a minimum.

Weidmüller is a specialist in the provision of tools for cutting copper or aluminium cables. Our product ranges include cutting tools for small cross-sections (with direct transmission of force) to cutting tools for large diameters. Indeed, our wide range of cutting tools fulfils all the criteria for cable preparation; easy to use and giving a smooth, straight cut, without deforming the conductor.





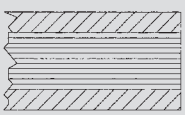


At Weidmüller the term “cutting” refers to the severing of cables, wires and conductors of copper or aluminium with an appropriate tool for the application.
The requirement for all cutting tools is to perform a smooth, straight cut without deforming the conductor.

According to **DIN 8588**, experts differentiate between shear cutting, wedge-action cutting, tearing and breaking.
Shear cutting is employed particularly in the cutting of cables, wires and conductors. Cutting tools with cross blades should perform an oblique cut and operate without play.

The essential quality characteristics for professional cutting tools are a cutting edge shape which is suited to, and optimised for, the corresponding application, so that the manual forces required for cutting remain low. This allows single-handed operation.
Tools by Weidmüller comply with all requirements imposed on professional cutting tools.

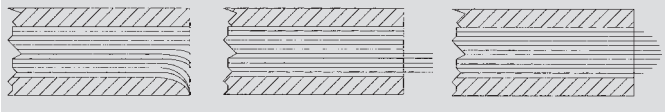
Clean cut



Insulation

Conductor

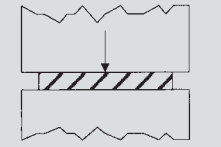
An **“unclean”** cut may have the following appearance:



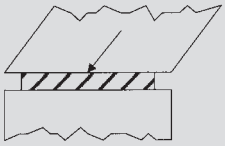
Conductor sheared off | Conductor pulled out | Squeezed cable

Movement of the blades

We differentiate between two basic cutting processes:
- Push cut
- Draw cut

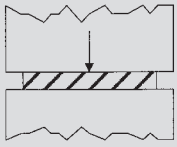


In **push cut,** the cutting movement is perpendicular between tool and workpiece.

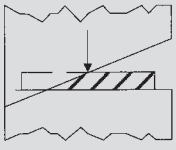


In **draw cut**, the cutting movement is oblique to the tool.

Position of the blades



In **position 1** the blades act directly and over the whole length, i.e. considerable force is required.



In **position 2**, the blades cross as in a pair of scissors, the cut is therefore “offset” and requires less force.

Cutting tools

- The cutting blade design for different cable sizes increases the quality of the cuts for smaller cross-sections
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Cutting without deformation of the conductor
- Do not cut live conductors
- Individually tested protective insulation, 1000V, VDE and GS tested in accordance with EN/IEC 60900
- Optimised handle ergonomics
- Minimal hand force required

KT 8



KT 12





	KT 8	KT 12
⌀	max. 8 mm	max. 12 mm
●	max. 16 mm²	max. 16 mm²
⁘	max. 16 mm²	max. 25 mm²
⁘	max. 16 mm²	max. 35 mm²

Technical data

		KT8	KT12
Max. cutting performance, copper cable			
Copper cable - solid, max.	mm²/-	16	16
Copper cable - stranded, max.	mm²/-	16 / 6	25 / 3
Copper cable - flexible, max.	mm²/-	16 / 6	35 / 2
Copper cable, max. diameter	mm	8	12
Max. cutting performance, aluminium cable			
Stranded aluminium cable, max (mm²)	mm²/-	16 / 6	25 / 6
Stranded aluminium cable, max. diameter	mm	8	8
Single-core aluminium cable, max.(mm²)	mm²	16	25
Data / telephone / control cable			
Data / telephone / control cable, max. Ø	mm	8	12
Tool data			
Length / Width / Height	mm	185 / 65.5 / 30	225 / 63.5 / 30
Weight	g	180	300
Note		Tool closed	Tool closed

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KT 8	1	9002650000	KT 12	1	9002660000
Note						

Cutting tools

- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Cutting without deformation of the conductor
- Do not cut live conductors
- Individually tested protective insulation, 1000V, VDE and GS tested in accordance with EN/IEC 60900
- Optimised handle ergonomics
- Minimal hand force required

KT 14



max. 14 mm
max. 16 mm²
max. 35 mm²
max. 70 mm²

KT 22



max. 22 mm
max. 25 mm²
max. 50 mm²
max. 95 mm²

Technical data

Max. cutting performance, copper cable			
Copper cable - solid, max.	mm²/-	16	25
Copper cable - stranded, max.	mm²/-	35 / 2	50 / 1
Copper cable - flexible, max.	mm²/-	70 / 2/0	95 / 3/0
Copper cable, max. diameter	mm	14	22
Max. cutting performance, aluminium cable			
Stranded aluminium cable, max (mm²)	mm²/-	70 / 2/0	70 / 2/0
Stranded aluminium cable, max. diameter	mm	14	22
Single-core aluminium cable, max.(mm²)	mm²	35	50
Data / telephone / control cable			
Data / telephone / control cable, max. Ø	mm	14	22
Tool data			
Length / Width / Height	mm	225 / 63.5 / 30	245 / 71.5 / 31
Weight	g	320	460
Note		Tool closed	Tool closed

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KT 14	1	1157820000	KT 22	1	1157830000
Note	Single-core aluminium cable corresponds to single-wire sector cable					

Front cable cutter

- Suitable in situations where cables have to be cut in confined spaces
- Easy handling
- Minimal hand force required
- Release option in every cutting position
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Do not cut at live conductors

KTF 25



Cu + Al: max. 25 mm

Cu: max. 120 mm²
Al: max. 150 mm²

Cu: max. 120 mm²

KTF 36



Cu + Al: max. 35 mm

Cu: max. 300 mm²
Al: max. 300 mm²

Cu: max. 300 mm²

Technical data

		KTF 25	KTF 36
Max. cutting performance, copper cable			
Copper cable - stranded, max.	mm²/kcmil	120	300
Copper cable - flexible, max.	mm²/kcmil	120 / 250	300 / 600
Copper cable, max. diameter	mm	25	35
Copper sector cable			
Max. cutting performance, aluminium cable			
Stranded aluminium cable, max (mm²)	mm²/kcmil	150 / 300	300 / 600
Stranded aluminium cable, max. diameter	mm	25	35
Aluminium sector cable			
Data / telephone / control cable			
Data / telephone / control cable, max. Ø	mm	25	35
Tool data			
Length / Width / Height	mm	245 / 80 / 40	330 / 100 / 49
Weight	g	900	1400
-			
Note		Tool closed	Tool closed

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KTF 25	1	**9002180000**	KTF 36	1	**9002190000**
Note						

Cable cutter

- One-hand operation
- Easy handling
- Minimal hand force required
- Release option in every cutting position
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Do not cut at live conductors

KT 45 R



KT 55





Cu + Al: max. 45 mm

Cu: max. 300 mm²
Al: max. 400 mm²

Cu: max. 400 mm²



Cu + Al: max. 55 mm

Cu: max. 500 mm²
Al: max. 500 mm²

Cu: max. 500 mm²



Technical data

		KT 45 R	KT 55
Max. cutting performance, copper cable			
Copper cable - stranded, max.	mm²/kcmil	300	500
Copper cable - flexible, max.	mm²/kcmil	400 / 800	500 / 1000
Copper cable, max. diameter	mm	45	55
Copper sector cable		3 x 70 SM	3 x 150 SM
Max. cutting performance, aluminium cable			
Stranded aluminium cable, max (mm²)	mm²/kcmil	400 / 800	500 / 1000
Stranded aluminium cable, max. diameter	mm	45	55
Aluminium sector cable		4 x 70 SE	4 x 150 SE
Data / telephone / control cable			
Data / telephone / control cable, max. Ø	mm	45	55
Tool data			
Length / Width / Height	mm	290 / 85 / 40	365 / 115 / 45
Weight	g	740	1450
-			
Note			

Ordering data

Version	Type	Qty.	Order No.
	KT 45 R	1	9202040000
Note	The dimensions of the cable cutter refer to the delivery condition, i.e. the point of the hinged blade parallel to the fixed blade.		

Version	Type	Qty.	Order No.
	KT 55	1	9202060000
Note	The dimensions of the cable cutter refer to the delivery condition, i.e. the point of the hinged blade parallel to the fixed blade.		

Accessories

	Type	Qty.	Order No.
	ERME KT 45 R	1	9204270000
Note	Spare pivoting cutter		

	Type	Qty.	Order No.
	ERME KT 55	1	9204280000
Note	Spare pivoting cutter		

Cable cutter

- Easy handling
- Minimal hand force required
- Release option in every cutting position
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Do not cut at live conductors

KT 80





Cu + Al: max. 80 mm

Cu: max. 630 mm²
Al: max. 1.000 mm²

Cu: max. 630 mm²



Technical data

		KT 80
Max. cutting performance, copper cable		
Copper cable - stranded, max.	mm²/kcmil	630
Copper cable - flexible, max.	mm²/kcmil	630 / 1260
Copper cable, max. diameter	mm	80
Copper sector cable		3 x 240 SM
Max. cutting performance, aluminium cable		
Stranded aluminium cable, max (mm²)	mm²/kcmil	1000 / 2000
Stranded aluminium cable, max. diameter	-	
Aluminium sector cable		4 x 240 SE
Data / telephone / control cable		
Data / telephone / control cable, max. Ø	mm	80
Tool data		
Length / Width / Height	mm	675 / 175 / 55
Weight	g	3240
-		
Note		

Ordering data

Version	Type	Qty.	Order No.
	KT 80	1	9202080000
Note	The dimensions of the cable cutter refer to the delivery condition, i.e. the point of the hinged blade parallel to the fixed blade.		

Accessories

	Type	Qty.	Order No.
	ERME KT 80	1	9204290000
Note	Spare pivoting cutter		

Cutting and releasing tools

Special release tool for the Weidmüller W-Series terminal connectors.

WAW 1

Notching tool



Tool for releasing poles from WQV 2.5 to WQV 35 cross connections used in Weidmüller W-Series terminal connectors.

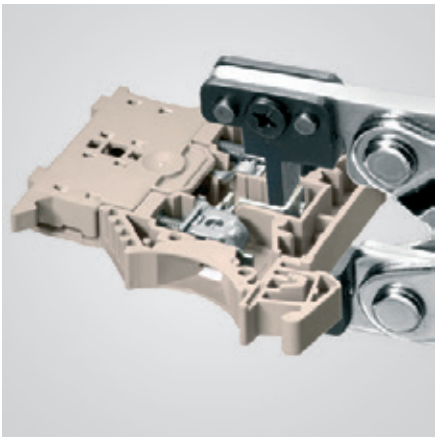


WAW 2

Notching tool



Tool for punching out the cross-connection windows of the Weidmüller W-Series terminal connectors
WTR 2.5 disconnect terminal
WSI 6 fuse terminal



Technical data

		WAW 1	WAW 2
Length	mm	167	205
Weight	g	227	338
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	WAW 1 NEUTRAL	1	9004500000	WAW 2	1	9004510000
Note						

Cutting and releasing tools

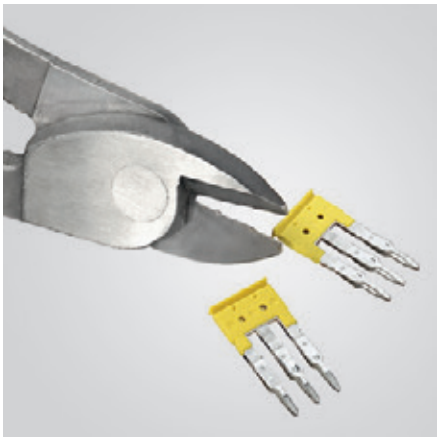
Special cutting tool for clean pinch-free cutting of Weidmüller Z-Series cross-connections

KT ZQV

Cutting tool



Cutting tool for clean cutting of Weidmüller Z-Series cross-connections



VKSW

Wire channel cutter



Manually-operated wire channel cutter for cutting wire channels and covers up to a width of 125 mm.

- Cutting with no burrs or waste
- Longitudinal stop (1000 mm) with guide for precision angling
- Table-top unit for mounting on workbench or similar workplaces
- Hardened cutting edges made from special steel

Technical data

		KT ZQV	VKSW
Length	mm	215	280
Weight	g	300	15000
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KT ZQV	1	**9002170000**	VKSW	1	**1137530000**
				ERME VKSW	1	**1251270000**
Note	A large selection of cross-connectors can be found in our current Modular Terminals Catalogue.					

TSLD

TSLD

Terminal rail cutting and punching tool



Hand-operated mounting rail cutter for cutting and perforating DIN mounting rails

- Cutting with no burrs or waste
- Length end stop (1000 mm) is included in delivery
- Table-top unit for mounting on workbench or similar workplaces

Note on TSLD C:
G profile is replaced by C profile.
C profile is individually adapted according to pattern.



Copper earthing bar



TS 32 mm according to EN 50035 (s = 1.5 mm)



TS 15/5.5 mm according to EN 50045 (s = 1.0 mm)



TS 35/7.5 mm according to EN 50022 (s = 1.0 mm)



TS 35/15 mm according to EN 50022 (s = 1.5 mm)

Technical data

Width	mm
Length	mm
Height	mm
Weight	g
Note	

TSLD 5
205
270
200
19000
Technical data without lever and length end stop

Ordering data

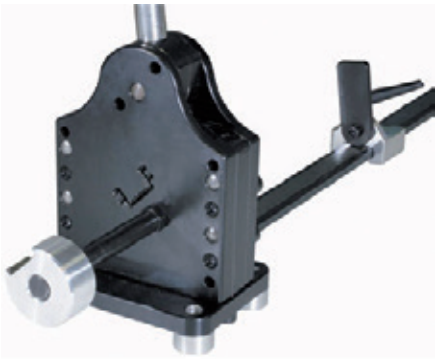
Version
Note

Type	Qty.	Order No.
TSLD 5	1	**9918700000**
TSLD C	1	**1270310000**
A large selection of mounting rails can be found in our current Terminal Connectors Catalogue.		

TSD 35

TSD 35

Mounting rail cutter



Hand-operated mounting rail cutter for cutting DIN mounting rails

- Cutting with no burrs or waste
- Length end stop is included in delivery
- Table-top unit for mounting on workbench or similar workplaces



TS 35/7.5 mm according to EN 50022 (s = 1.0 mm)



TS 35/15 mm according to EN 50022 (s = 1.5 mm)

Technical data

		TSD 35
Width	mm	205
Length	mm	270
Height	mm	200
Weight	g	16000
Note		Technical data without lever and length end stop

Ordering data

Version	Type	Qty.	Order No.
	TSD 35	1	1318510000
Note	A large selection of mounting rails can be found in our current Terminal Connectors Catalogue.		

Hydraulic hole puncher

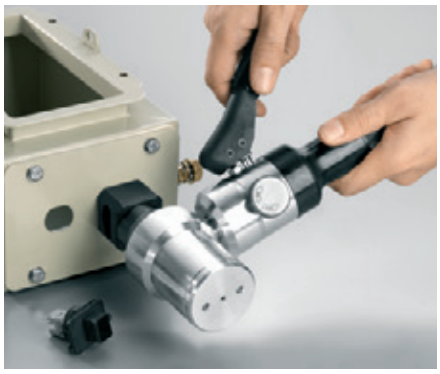
The IP protection classes for housings, cable glands, heavy-duty connectors and Industrial Ethernet connectors can only be maintained under two conditions: the sheet metal must not be bent during the punching process and the size of the punched-out holes must correspond precisely with the specifications. The IE-KO-HAT hydraulic sheet metal hole puncher, together with its accessories, guarantees you the highest quality workmanship available. It ensures that the connector fits precisely with the punched-out holes so that you can fulfill the proper IP protection class requirements.



The hydraulic hole puncher punches out precise holes for accommodating metric and PG cable glands.



Automatic centre punching at the drill points when punching out holes for heavy-duty connectors.



Punching out holes for a variety of industrial Ethernet connectors.

The table below lists the round splitting stamps and their corresponding tension screws – for manual use and for use with the hydraulic screws

Type	Descriptions	Dimension	Order No.	Tension screw Ø x l in mm	Order No.	Hydraulic screw (tension bolt) Ø in mm	Order No.
KOS M 16	Round splitting stamp for M16 cable glands	Ø 16,2 mm	**9204880000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS M 20	Round splitting stamp for M20 cable glands	Ø 20,4 mm	**9204950000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS M 25	Round splitting stamp for M25 cable glands	Ø 25,4 mm	**9204900000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS M 32	Round splitting stamp for M32 cable glands	Ø 32,5 mm	**9204910000**	19,0 x 55	**9205040000**	19	**9205010000**
KOS M 40	Round splitting stamp for M40 cable glands	Ø 40,5 mm	**9204920000**	19,0 x 75	**9204780000**	19	**9205010000**
KOS PG 9	Round splitting stamp for PG9 cable glands	Ø 15,2 mm	**9204930000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS PG 11	Round splitting stamp for PG11 cable glands	Ø 18,6 mm	**9204940000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS PG 13	Round splitting stamp for PG13 cable glands	Ø 20,4 mm	**9204950000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS PG 16	Round splitting stamp for PG16 cable glands	Ø 22,5 mm	**9204960000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS PG 21	Round splitting stamp for PG21 cable glands	Ø 28,3 mm	**9204970000**	9,5 x 50	**9205030000**	19 x 9,5	**9205000000**
KOS PG 29	Round splitting stamp for PG29 cable glands	Ø 37,0 mm	**9204980000**	19,0 x 55	**9205040000**	19	**9205010000**
KOS PG 36	Round splitting stamp for PG36 cable glands	Ø 47,0 mm	**9204990000**	19,0 x 75	**9204780000**	19	**9205010000**

Information: Hydraulic screw included in the IE-KO-HAT set.
Tension screws only used for manual operation.

Hydraulic sheet holes

Incl. accessories:

- 1 hydraulic screw Ø 19 mm
- 1 hydraulic screw Ø 19 x 9.5 mm
- 1 HSS pre-drill Ø 10 mm
- 1 spacer nut set (3-part)
- 1 bridge

IE-KO-HAT



- Overpressure valve protects against overloading
- Cylinder head angled 90°
- Angled head can be rotated through 360°
- Ergonomic handle springs back automatically
- The piece of waste no longer becomes jammed thanks to 3-fold cleaving
- Hydraulic punch manufactured from high-strength aluminium (approx. 40% less weight)

Technical data

		IE-KO-HAT
Maximum steel-sheet punching performance		
Round holes from 1 to Ø 85 mm	-	2,0 mm F = 370 N/mm²
Round holes from 2 to Ø 64 mm		3,0 mm F = 370 N/mm²
Square holes up to	-	68 x 68 mm; 2.0 mm F = 370 N/mm²
Rectangular holes up to	-	36 x 112 mm; 2,0 mm F = 370 N/mm²
Maximum stainless steel sheet punching performance		
Round holes from 3 to Ø 64 mm		2.5 mm F = 600 N/mm²
Tool data		
Length x width x height	mm	290 / 120 / 70
Weight	kg	1.9
Punching force	kN	75
Max. operating pressure	bar	650
Note		

Ordering data

Version	Type	Qty.	Order No.
	IE-KO-HAT	1	**1966810000**
Note			

Accessories

	Type	Qty.	Order No.
	KOHS 19	1	**9205010000**
	KOHS 9.5+19	1	**9205000000**
	KOPD 10.0	1	**9205020000**
Note	Splitting stamp on the next page		

Custom stamp for Industrial Ethernet connections



Type	Description	Dimensions	Qty.	Order No.
IE-KOK-V1	Custom shape for Bajonet 01 metal	Ø 27 mm x 1-seitig 25,9 mm	1	1966780000
IE-KOK-V4	Custom shape for Push Pull V04 plastic	Ø 23,2 mm x 2-seitig 20,2 mm	1	1966790000
IE-KOK-V5	Custom shape for RockStar® V05 metal	22,0 x 22,0 mm	1	9204790000
IE-KOK-V14	Custom shape for V14 flange	22,0 x 18,5 mm	1	1135240000

Rectangular splitting stamp for heavy-duty connectors



Type	Description	Dimensions	Size	Qty.	Order No.
KOK 52 x 36	Splitting stamp for 6-pole heavy-duty connectors	52,0 x 36 mm	3	1	9204820000
KOK 65 x 36	Splitting stamp for 10-pole heavy-duty connectors	65,0 x 36 mm	4	1	9204830000
KOK 86 x 36	Splitting stamp for 16-pole heavy-duty connectors	86,0 x 36 mm	6	1	9204850000
KOK 91 x 36	Splitting stamp for 16-pole heavy-duty connectors	91,0 x 36 mm		1	9204860000
KOK 112 x 36	Splitting stamp for 24-pole heavy-duty connectors	112,0 x 36 mm	8	1	9204870000
KOK 52 x 91	Splitting stamp forFrontCom Vario	52,0 x 91 mm		1	2008410000

Rectangular splitting stamp for switches



Type	Description	Dimensions	Qty.	Order No.
KOK 46 x 46	Rectangular splitting stamp for switches	46,0 x 46,0 mm	1	9204810000
KOK 68 x 68	Rectangular splitting stamp for switches	68,0 x 68,0 mm	1	9204840000
KOK 92 X 92	Rectangular splitting stamp for switches	92,0 x 92,0 mm	1	2008420000

Round splitting stamp for metric cable glands



Type	Description	Dimensions	Qty.	Order No.
KOS M 16	Round splitting stamp for M16 cable glands	Ø 16,2 mm	1	9204880000
KOS M 20	Round splitting stamp for M20 cable glands	Ø 20,4 mm	1	9204950000
KOS M 25	Round splitting stamp for M25 cable glands	Ø 25,4 mm	1	9204900000
KOS M 32	Round splitting stamp for M32 cable glands	Ø 32,5 mm	1	9204910000
KOS M 40	Round splitting stamp for M40 cable glands	Ø 40,5 mm	1	9204920000

Round splitting stamp for high-strength cable glands



Type	Description	Dimensions	Qty.	Order No.
KOS PG 9	Round splitting stamp for PG9 Cable glands	Ø 15,2 mm	1	9204930000
KOS PG 11	Round splitting stamp for PG11 Cable glands	Ø 18,6 mm	1	9204940000
KOS PG 13	Round splitting stamp for PG13 Cable glands	Ø 20,4 mm	1	9204950000
KOS PG 16	Round splitting stamp for PG16 Cable glands	Ø 22,5 mm	1	9204960000
KOS PG 21	Round splitting stamp for PG21 Cable glands	Ø 28,3 mm	1	9204970000
KOS PG 29	Round splitting stamp for PG29 Cable glands	Ø 37,0 mm	1	9204980000
KOS PG 36	Round splitting stamp for PG36 Cable glands	Ø 47,0 mm	1	9204990000

Tension screw



Type	Description	Dimensions	Qty.	Order No.
KOBBS	Tension screw	9,5 x 50 mm	1	9205030000
KOBBS	Tension screw	19 x 55 mm	1	9205040000
KOBBS	Tension screw	19 x 75 mm	1	9204780000

SLICER 1K

Electrician's knife



- Lock-blade knife with plastic handle
- Rust-proof
- With round and triangular notch

Ordering data

Type	Qty.	Order No.
SLICER 1K	1	**9918160000**

SLICER 2K

Electrician's knife



- Lock-blade knife with plastic handle
- Electrician blade with 2 notches and lock
- Curved blade, part of which is finely serrated
- Rust-proof

Ordering data

Type	Qty.	Order No.
SLICER 2K	1	**9041600000**

SCISSOR 1K

Electrician's scissors



- With wire cutter
- Handles made from shockproof polyamide
- Cutting edges with high-gloss chromate finish

Ordering data

Type	Qty.	Order No.
SCISSOR 1 K	1	**9918690000**

SCISSOR 2K

Electrician's scissors



- With wire cutter
- Serrated cutting edge
- Rust-proof
- Soft-touch handle for firm grip

Ordering data

Type	Qty.	Order No.
SCISSOR 2 K	1	**9918230000**

SCISSOR KEVLAR



- Cable shears specially designed for aramid fibres
- Only for cutting aramid fibres (strain relief in fibre-optic cables)
- Do not use for other materials
- Special blade geometry
- Blades ground
- With teeth on the cutting edge
- Riveted joint
- Hand-friendly, impact-resistant plastic handles

Ordering data

Type	Qty.	Order No.
SCISSORS KEVLAR	1	**1208910000**

Stripping

Stripping	Introduction	C.2
	Stripping and cutting tools	C.4
	Sheathing strippers	C.12

Stripping

After a conductor has been cut it is then prepared for the next step or for crimping. For this purpose, a specific length of the conductor insulation has to be removed, while preventing damage to the conductor. The length of the conductor insulation to be removed depends on the terminal clamping point or the crimp to be processed.

Professional stripping tools guarantee perfect results due to precise adjustment of the tool to the corresponding insulation and the conductor cross-section.

Precision tools by Weidmüller guarantee that the user will always obtain consistent, reliable stripping results.

“Stripping” means the cutting and removal of the insulation. The following must be ensured in performing this task.

The stripping dimension must be observed and neither the conductor nor the remaining insulation must be damaged.

To avoid mistakes, use a stripping tool matched to the insulation and cross-section of the conductor.

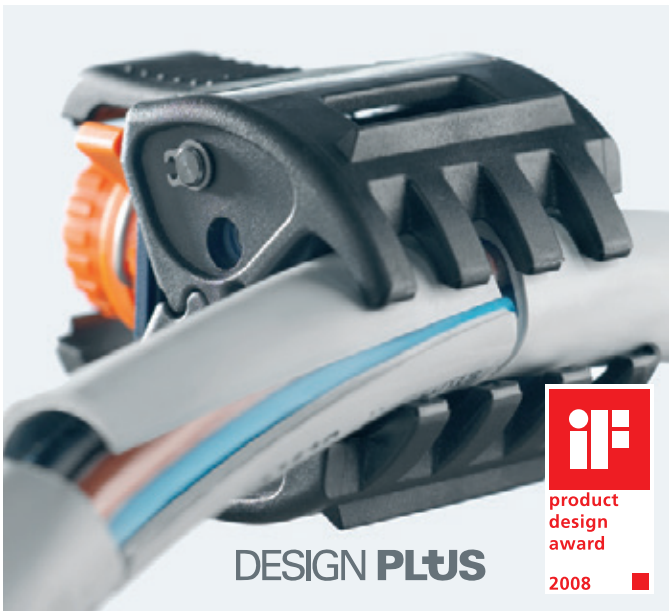
Do not use work knives or penknives because the stripping quality when using such tools depends entirely on the manual dexterity of the user. The quality is not consistent, even when the user is highly skilled.

Preference should be given to hand-operated tools that adjust automatically to the corresponding cross-section of the conductor. They do not damage to the conductor during stripping and avoid faults.

stripax® stripping tools guarantee a consistent stripping result which complies with DIN regulations. The tools are rated for standard dimension PVC insulation. Any PVC insulation thicknesses deviating from normal can be set manually. The conductor stopper and integrated wire cutter allow highly versatile use of the tools.

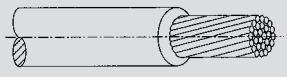
Special insulation types such as Teflon, Silicone and Kapton require special stripping tools. These tools strip the conductor with punch blades.







DIN IEC 60352 part 2 contains references to stripping faults which must be avoided:

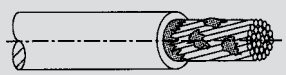


Correctly stripped conductor

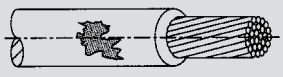
Possible faults during stripping:



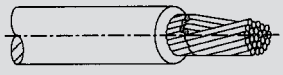
Insulation has not been cut properly



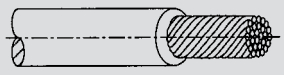
Remains of the conductor insulation are still to be found on the stripped conductor



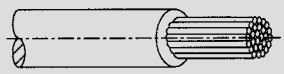
The conductor insulation has been damaged by the stripping tool



Single conductors have been damaged or cut off by the stripping tool



Single conductors have been twisted too tightly afterwards



Single conductors are no longer twisted.

Stripping and cutting tools

- For flexible and solid conductors
- Double-insulated cables in two process steps without special adjustment
- Automatic opening of clamping jaws after stripping
- No play in self-adjusting cutting unit
- Long service life
- No fanning-out of individual conductors
- Optimised ergonomic design
- Stripping length adjustable via end stop
- Adjustable to diverse insulation thicknesses
- Selectable partial stripping
- Removable handle shells
- Fold-out cutting protection
- Personalised marking with ESG device marker

stripax®

0.08…10 mm²



- Stripping: PVC-insulated flexible conductors, ranging from 0.08…10 mm² (~AWG 28…7)
- Cutting: PVC-insulated flexible conductors, ranging from 0.08…6 mm² (~AWG 28…7)
- Processing of multi-conductors, with thin flat ribbon cables even several conductors in one operation
- No damage to the conductors due to special, self-adjusting stripping blades

stripax®16

6…16 mm²



- Stripping: PVC-insulated flexible and solid conductors from 6…16 mm² (~AWG 10… 6)
- Cutting: PVC insulated flexible and solid conductors up to 6 mm² (AWG 10)
- No damage to the conductor thanks to specially shaped blade







Technical data

Max. stripping performance		STRIPAX	STRIPAX 16
Cable type		Flexible and solid conductors with PVC insulation	Flexible and solid conductors with PVC insulation
Wire cross-section, min. / max.		0.08…10	6…16
Stripping length, max.	mm	25	25
Cutting performance			
Conductor cross-section (cutting capacity)	mm²	6	6
Tool data			
Length	mm	190	190
Weight	g	175	175
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	STRIPAX	1	9005000000	STRIPAX 16	1	9005610000
	STRIPAX ZERT	1	9017330000			
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ERME 10² SPX 4	1	1119030000	ERME 16² SPX 4	1	1119040000
Note						

Stripping tools with automatic self-adjustment

- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design
- Selectable two-stage partial stripping

stripax® ULtimate

0.25...6 mm²



- Stripping and cutting of flexible and solid conductors from 0.25...6 mm² (~AWG 24... 10)
- Especially suitable for UL-specified conductors and halogen-free insulation materials

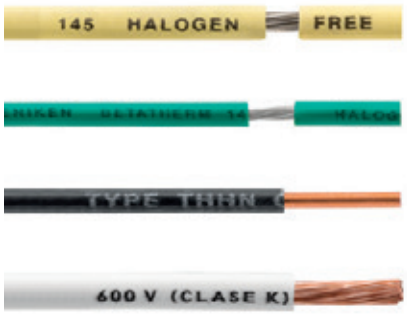
stripax® ULtimate XL

2.5–10 mm²



- Stripping and cutting of flexible and solid conductors from 2,5 ... 10 mm² (~AWG 14 - 8)
- Especially suitable for UL-specified conductors and halogen-free insulation materials







Technical data

Max. stripping performance		STRIPAX ULTIMATE	STRIPAX ULTIMATE XL
Cable type		Flexible and solid conductors with halogen-free insulation	Flexible and solid conductors with halogen-free insulation
Wire cross-section, min. / max.		0.25...6	2.5...10
Stripping length, max.	mm	25	25
Cutting performance			
Conductor cross-section (cutting capacity)	mm²	6	6
Tool data			
Length	mm	190	190
Weight	g	175	175
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	STRIPAX ULTIMATE	1	1468880000	STRIPAX ULTIMATE XL	1	1512780000
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ERME SPX UL	1	1471390000	ERME SPX UL XL	1	1512790000
Note						

Stripping and cutting tool for conductors with special insulation Types for conductor diameters 0.2 ... 1.21 mm (~ AWG 32 ... 18)

- Flexible and solid conductors with PVC, Teflon (PTFE) and silicone insulation
- Special stripping blades do not damage the conductor
- No splicing of the single conductors
- Blade inserts can be easily replaced
- All inserts fit one housing

Mini-duro-stripax®



Blade set







Technical data

		Mini-duro-stripax®					
Max. stripping length		3–7					
Stripping diameter max. cutting performance	mm	2,2					
Tool data							
Length	mm	135					
Weight	g	110					
Selection of blade sets							
	Colour blade set	white	yellow	red	green	blue	black
Conductor diameter	mm (min./max.)	0,3–1,3	0,2–0,3	0,3–0,5	0,55–0,8	0,88–0,92	1,0–1,21
	AWG	28 ...18	32/1, 32/7, 30/1, 30/7	28/1, 28/7, 28/19, 26/1, 26/7, 26/19, 24/1	24/7, 24/19, 22/1, 22/7, 22/19, 20/1	20/7, 20/19	18/1, 18/7, 18/19
	mm^2	≈ 0,08 ... 1,0					
	Insulation material	PVC / silicone	PTFE	PTFE	PTFE	PTFE	PTFE
Information							

Ordering data

Tools with blade set	Order No.	Order No.	Order No.	Order No.	Order No.	Order No.
	9001280000	9003700000	9003710000	9003720000	9003730000	9003740000

Tool with all blade sets	Order No.
	9003500000

Accessories

	Order No.	Order No.	Order No.	Order No.	Order No.	Order No.
Blade set	9006970000	9003600000	9003610000	9003620000	9003630000	9003640000

Information

multi-stripax®

Stripping is the name given to the cutting and removal of conductor insulation. When carrying out this task it must be guaranteed that the appropriate length of insulation is removed and that neither the conductor nor the remaining insulation are damaged in any way.

DIN IEC 352 part 2 (formerly DIN IEC 48/290) contains details of the stripping faults to avoid.

The challenge



AWG lines	Fieldbus lines	Standardised conductors	Sensor and actuator lines	Cables for Rail industry	Cables for the aerospace industry

↓

Bus applications	Power supply and distribution	Sensors and actuators in the field



multi-stripax®

Multifunctional stripping tool for use on a multitude of conductor insulation forms and configurations – even those not covered by the standard

multi-stripax® the troubleshooter

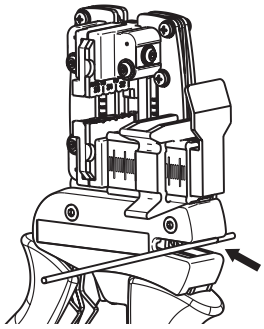
- Interchangeable stripping units
- Proper stripping of any conductor round, flat or special profiles, thanks to the specially shaped stripping blades
- Incorporates cutting function for up to 2.5 mm^2 solid and 6 mm^2 fine
- Fatigue free operation thanks to ergonomic design
- No damage to conductor or remaining insulation
- Best stripping results for industrial applications
- Stripping results reproduced accurately time and time again
- A long lasting, reliable tool thanks to its robust design
- Plus, the customary Weidmüller repair service

Special stripping units – the answer to diverse stripping tasks

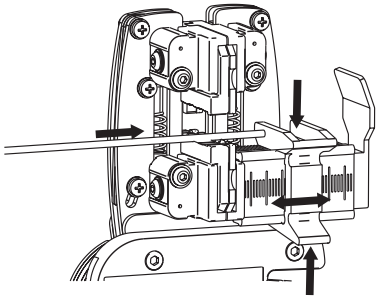
The multi-stripax® tool, distinguished by its robust design was developed, following customer feedback, to handle all the stripping tasks they have met with in practice.
Thanks to the interchangeable stripping units, a special solution can be found for every challenge in the marketplace.

The specially shaped stripping blades guarantee perfect stripping results. The guide plates ensure the correct positioning of the wire and therefore prevent damage to the remaining wire. The clamping jaws hold the conductor with just the right force during the stripping operation and are matched to the specific situation at hand. The flexibility of the multi-stripax® to affect the result of the stripping operations depending on the different variables it encounters makes it a universal troubleshooter.

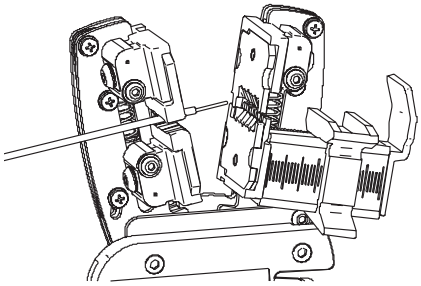
Cutting



Positioning



Stripping



multi-stripax®

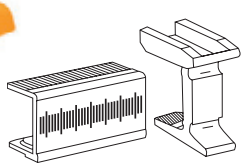


Technical data

Cable type	PVC, Teflon, PTE, PUR, silicone, halogen free
Conductor cross-section, min.	2 mm
Conductor cross-section, max.	no limit (in several steps)
max. cutting capacity, fine-strand	6 mm^2
max. cutting capacity, solid	2,5 mm^2
max. cutting capacity, ribbon	10,2 x 4 mm
Length/Width/Height	250 / 85 / 40 mm
Weight	250 g
Note	

multi-stripax® incl. stripping unit







- High quality stripping for industrial applications
- Specially shaped stripping blades enable stripping of special types of insulation and conductor configurations
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- Highly flexible thanks to interchangeable stripping units
- Stripping results reproduced accurately time and time again
- No damage to the conductor or insulation
- A durable, reliable tool thanks to its robust design
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible cables

Ordering data

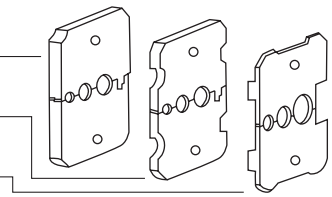
Illustration	Type	Qty.	Order No.	Features
1	multi-stripax® 0,25 -1,5S	1	9204540000	Halogen free PVC, silicone, teflon and Radox 3GK-insulated cables; Cable cross section 0.25 up to 1.5 mm² max. stripping lengths depends on cable design / cable type Cutting function up to 6 mm²
1	multi-stripax® 0,75 -4,0SL	1	9203610000	Halogen free PVC, silicone and teflon insulated cables; Cable cross section 0.75 up to 4 mm² max. stripping lengths depends on cable design / cable type Cutting function up to 6 mm²
1	multi-stripax® 1,5 -6,0S	1	9204560000	Halogen free PVC, silicone, teflon and Radox 3GKW-insulated cables; Cable cross section 1.5 up to 6 mm² max. stripping lengths depends on cable design / cable type Cutting function up to 6 mm²
1	multi-stripax® 16SL	1	9202220000	PVC insulated cables; Cable cross section 16 mm² max. stripping lengths depends on cable design / cable type 1. station solid, stranded and flexible (restricted) 2. station double stranded Cutting function up to 6 mm²
1	multi-stripax® 6-16	1	9202210000	PVC insulated cables; Cable cross section 6 up to 16 mm²; max. stripping lengths depends on cable design / cable type 1. station solid, stranded and flexible 6 mm² 2. station solid, stranded and flexible 10 mm² 3. station solid, stranded and flexible 16 mm² double stranded (flexible) Cutting function up to 6 mm²
1	multi-stripax® AWG	1	9202230000	AWG with PTFE and PVC insulated cables; Cable cross-section AWG 26...16 max. stripping lengths depends on cable design Cutting function up to 6mm² (AWG 16)
1	multi-stripax® ASI	1	9202250000	ASI Bus cables 2 x 1.5 mm² flexible for PTE, PUR and EPDM insulated cables Stripping of outer insulation and inner cable Cutting function up to 6 mm²
1	multi-stripax® GKW LW	1	9205760000	Railway cable Radox GKW LW; Cable cross section 1.0; 1.5 and 2.5 mm² max. stripping lengths depends on cable design / cable type Cutting function up to 6 mm²
1	multi-stripax® PV	1	1190490000	Photovoltaics cable and comparable earth and short circuit proof cables; Cable cross section 2.5; 4 and 6 mm² max. stripping lengths depends on cable design / cable type Cutting function up to 6.mm²
1	multi-stripax® POF	1	1208880000	Duplex Stripping tool for fast processing of POF fiber and cable according to IEC 60793-2 A4A fibre (1,000 µm/980 µm POF). Cutting function up to 6 mm²
2	ERAN multi-stripax®	1	9203100000	Length stop
3	ERME multi-stripax®	1	9203070000	Cutting knife

Note

Stripping and cutting tool multi-stripax®

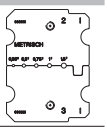
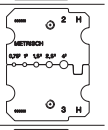
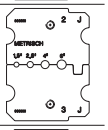
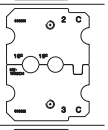
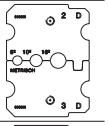
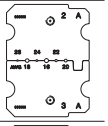
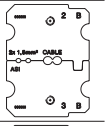
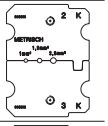
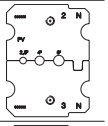
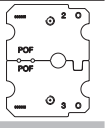
Stripping unit consists of:

Clamping jaws
Short symbol KLBC SPX SP
Insulation stripping tool
Short symbol AIME SPX SP
Guide plate
Short symbol FUEPL SPX SP



- Highly flexible thanks to interchangeable stripping units
- High quality stripping for industrial applications
- Specially shaped stripping blades enable stripping of special types of insulation and conductor configurations

Bestelldaten

Type	Qty.	Order No.	Features	
AIE multi-stripax® 0,25 -1,5S	1	**9204550000**	Halogen free PVC, silicone, teflon and Radox 3GK-insulated cables; Cable cross section 0.25 up to 1.5 mm² max. stripping lengths depends on cable design / cable type	
AIE multi-stripax® 0,75 -4,0SL	1	**9203730000**	Halogen free PVC, silicone and teflon insulated cables; Cable cross section 0.75 up to 4 mm² max. stripping lengths depends on cable design / cable type	
AIE multi-stripax® 1,5 -6,0S	1	**9204570000**	Halogen free PVC, silicone, teflon and Radox 3GKW-insulated cables; Cable cross section 1.5 up to 6 mm² max. stripping lengths depends on cable design / cable type	
AIE multi-stripax® 16SL	1	**9202270000**	PVC insulated cables; Cable cross section 16 mm² max. stripping lengths depends on cable design / cable type 1. station solid, stranded and flexible (restricted) 2. station double stranded	
AIE multi-stripax® 6-16	1	**9202260000**	PVC insulated cables; Cable cross section 6 up to 16 mm²; max. stripping lengths depends on cable design / cable type 1. station solid, stranded and flexible 6 mm² 2. station solid, stranded and flexible 10 mm² 3. station solid, stranded and flexible 16 mm² double stranded (flexible)	
AIE multi-stripax® AWG	1	**9202280000**	AWG with PTFE and PVC- insulated cables; Cable cross section AWG 26...16 max. stripping lengths depends on cable design	
AIE multi-stripax® ASI	1	**9202300000**	ASI Bus cables 2 x 1.5 mm² flexible for PTE, PUR and EPDM insulated cables Stripping of outer insulation and inner cable	
AIE multi-stripax® GKW LW	1	**9205770000**	Railway cable Radox GKW LW; Cable cross section 1.0; 1.5 and 2.5 mm² max. stripping lengths depends on cable design / cable type	
AIE multi-stripax® PV	1	**1204280000**	Photovoltaics cable and comparable earth and short circuit proof cables; Cable cross section 2.5; 4 and 6 mm² max. stripping lengths depends on cable design / cable type	
AIE multi-stripax® POF	1	**1212770000**	Duplex Stripping tool for fast processing of POF fiber and cable according to IEC 60793-2 A4A fibre (1,000 µm/980 µm POF).	





Sheathing strippers

- Sheathing stripper for round cables



AM 25 / AM 35

AM 25: Ø 6–25 mm; AM 35: Ø 25–36 mm



- Pivoting blade for circumferential, longitudinal and spiral cuts
- Retaining bracket with integrated blade to break open an incision in the insulation
- Integrated spare blade



AM 12

For UTP and STP data cables



- Cutting of UTP and STP data cables and other flexible copper cables with a diameter of up to 4 mm² (~AWG11)
- Stripping of the outer insulation of UTP and STP data cables and other round cables with Ø approx. 0.5 ... 12.5 mm
- No damage to the shielding or conductor due to adjustable stripping blade
- Length end stop for repeated cutting and stripping lengths

Technical data

Max. stripping performance		AM 25	AM 35	AM 12
Cable type		PVC round cable	PVC round cable	UTP and STP data cables
Min. conductor diameter	mm	6...25	25...36	0.5...12.5
Depth of cut		adjustable up to 4.5 mm	adjustable up to 4.5 mm	adjustable
Cutting performance				
UTP und STP data cables, max. diameter	-			8
Copper cable - flexible, max.	-			4
Tool data				
Length	mm	135	140	97
Weight	g	135	135	36
Note				

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	AM 25	1	**9001540000**	AM 12	1	**9030060000**
	AM 35	1	**9001080000**			
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ERSATZMESSER AM 25/35	2	**9001530000**			
Note	Sheathing stripper			Sheathing stripper		

Sheathing strippers

- Sheathing strippers for insulated cables
- Especially suitable for stripping cables with PVC, PUR, PE, TPE and halogen-free LSZH insulation
- Insulation can be stripped from any point along the cable
- Opening of slit insulation with integrated cutter

AM 16

For round cables, Ø 5...17 mm



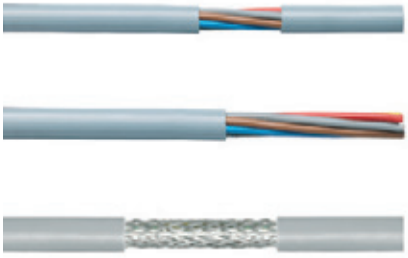
- Also highly suitable for stripping cables in the cable duct
- AM 16 guarantees precise cable routing
- Exact regulation of the cut depth with integrated visual display

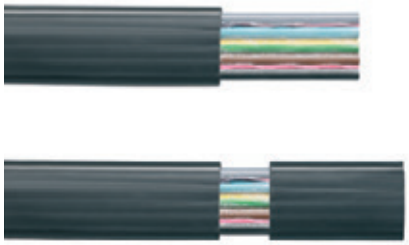
AMF 6/10

For ribbon cable, 6 mm² and 10 mm²









Technical data

Max. stripping performance	AM 16	AMF 6/10
Cable type	Round cable	PVC ribbon cable
Conductor cross-section, min. AWG	-	
Min. conductor diameter mm	5...17	
Depth of cut	0.5 - 2.5 mm²	0 - 4.0 mm
Cutting performance		
UTP und STP data cables, max. diameter	-	
Copper cable - flexible, max.	-	
Tool data		
Length mm	53	110
Weight g	60	115
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	AM 16	1	9204190000	AMF 6/10	1	9204180000
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ERME AM 16	1	9204260000	ERME AMF 6/10	1	9204250000
Note	Sheathing stripper			Sheathing stripper		

Sheathing strippers for coaxial cable

- For coaxial cable and round (shielded) data cables from Ø 2.5...8 mm
- 1-, 2- and 3-level stripping in one step
- Fast changeover to other cable types thanks to adjustable and interchangeable screw holder
- Colour-coded, interchangeable cassettes with specified stripping length for standard coaxial cable: see table
- Setting block (included) permits quick pre-setting of cutting depths
- Blade cassettes can be used on both sides

CST / IE-CST

Ø 2.5...8 mm

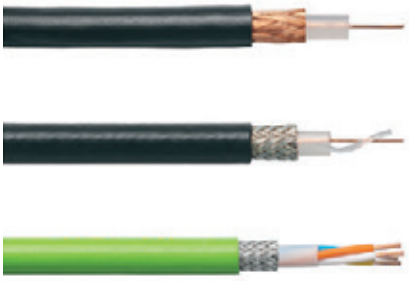


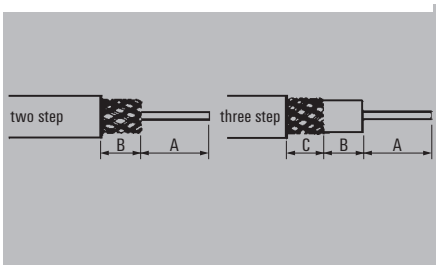
- RG 58 and RG 71
- RG 59 and RG 62
- Antenna cable
- Profibus cable
- Ethernet cable

Cutter cassettes for CST









Technical data

Max. stripping performance	
Cable type	
Min. conductor diameter	mm
Stripping length, max.	-
Tool data	
Length	mm
Weight	g
Note	

CST	IE-CST
Coaxial & round data cables	Coaxial & round data cables
2.5...8	2.5...8
100	100
65	85

Colour cutter cassettes	B [mm]	C [mm]
grey	3.9	
red	6.0	
yellow	12.0	
blue	6.5	
white	8.6	
green	7.1	5.1
brown	7.5	3.5
orange	8.0	3.7
light green	6.0	6.0
black	8.6	2.3

Dim. A as stated by manufacturer (not defined by tool)

Ordering data

Version
Note

Type	Qty.	Order No.
CST	1	9030500000
IE-CST	1	9204350000

IE-CST including blade cartridge, adjusted to Weidmüller Ethernet cable

Colour cutter cassettes	Qty.	Order-No.
grey	1	9032050000
red	1	9032040000
yellow	1	9032030000
blue	1	9032020000
white	1	9204340000
green	1	9032000000
brown	1	9032010000
orange	1	9032200000
light green	1	9032210000
black	1	9032220000

Accessories

Note

Type	Qty.	Order No.
SCHA CST	1	9032060000
SCHRAUBENDREHER CST	1	9005720000
EINSTELLBLOCK CST	1	9005800000

Dimension A: as specified by connector manufacturer (not defined by tool)

Sheathing strippers for coaxial cable

- For coaxial cable and round (shielded) data cables from Ø 2.5...8 mm
- 1-, 2- and 3-level stripping in one step
- Adjustable stripping lengths in 1 mm steps for meshwork and dielectric materials (min. stripping length approx. 3.2 mm)
- Fast changeover to other cable types
- Max. stripping length 17 mm
- Incl. 3 blades

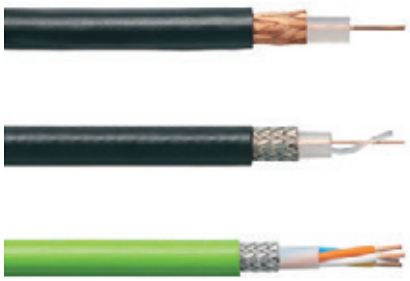
CST vario

Ø 2.5...8 mm



- RG 58 and RG 71
- RG 59 and RG 62
- Antenna cable
- Profibus cable
- Ethernet cable





Technical data

Max. stripping performance		CST VARIO
Cable type		Coaxial & round data cables
Min. conductor diameter	mm	2.5...8
Stripping length, max.	mm	17
Tool data		
Length	mm	116
Weight	g	76
Note		

Ordering data

Version	Type	Qty.	Order No.
	CST VARIO	1	9005700000
Note			

Accessories

	Type	Qty.	Order No.
	SCHRAUBENDREHER CST	1	9005720000
	MESSERHALTER CST VARIO	1	9005740000
	MESSEREINSATZ CST VARIO	1	9005730000
Note	Includes spare blade set (1 set = 3 blades)		

CST Vario blade holder



Ordering data

Type	Qty.	Order No.
CST VARIO BLADE HOLDER	1	9005740000

CST Vario blade insert



Ordering data

Type	Qty.	Order No.
CST VARIO BLADE INSERT	1	9005730000

CST Screwdriver



Ordering data

Type	Qty.	Order No.
CST SCREWDRIVER	1	9005720000

Setting block CST



Ordering data

Type	Qty.	Order No.
CST SETTING BLOCK	1	9005800000

Screw holder CST



Ordering data

Type	Qty.	Order No.
CST SCREW HOLDER	1	9032060000

Cable sheathing stripper

- For fast and accurate stripping of cables for damp areas ranging from Ø 8 - 13 mm, e.g. NYM cable, 3 x 1.5 mm² to 5 x 2.5 mm²
- No need to set cutting depth
- Ideal for working in junction and distribution boxes

Stripper round

Round cable stripper



- Damp-proof cable Ø 8...13 mm



Stripper round top

Round cable stripper with individual wire stripper



- Damp-proof cable Ø 8...13 mm
- With stripping device for individual wires of 0.2-4.0 mm²
- With integrated longitudinal cutter
- Retractable internal blade



Technical data

Max. stripping performance		Stripper round	STRIPPER ROUND TOP
Cable type		Flexible and solid conductors with PVC insulation	Flexible and solid conductors with PVC insulation
Min. conductor diameter	mm	8...13	8...13
Wire cross-section, min. / max.	-		0.2...4
Tool data			
Length	mm	125	125
Weight	g	47	50
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	Stripper round	1	**9918040000**	STRIPPER ROUND TOP	1	**9918050000**
Note						

Cable knife

- Simple, fast and accurate stripping of all conventional round cables from Ø 4...37 mm
- Circumferential and longitudinal cuts with automatic rotary blade
- Knurled screw at end of handle for setting cutting depth
- Spring-loaded cable retaining clip with thumb guard
- Spare blade in handle

Slicer NO 16

Cable cutter Ø 4...16 mm



- Operating range: 4...16 mm outer diameter



Slicer NO 27

Cable cutter Ø 8...28 mm



- Operating range: 8...28 mm outer diameter



Technical data

Max. stripping performance		SLICER NO 16	SLICER NO 27
Cable type		Flexible and solid conductors with PVC insulation	Flexible and solid conductors with PVC insulation
Min. conductor diameter	mm	4...16	8...28
Tool data			
Length	mm	122	122
Weight	g	75	75
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	SLICER NO 16	1	9918070000	SLICER NO 27	1	9918080000
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ZUB SLICER NO16-35	2	9201430000	ZUB SLICER NO16-35	2	9201430000
Note						

Special cable sheathing stripper

Insulation stripping tool
for data communication systems

Stripper PC

Special cable stripper



- Cable diameter Ø 5...15 mm
- For wires and conductors from 0.25 - 4.0 mm² (24 - 12 AWG)
- For data cables in the telecommunications and IT sectors
- IBM network cables
- Printer cables
- Control cables



Stripper Coax

Special cable stripper



- Cable diameter Ø 4.8...7.5 mm
- For PVC-insulated data communication and control cables
- RG 58 / RG 59
- TV antenna cables between Ø 4.8 and 7.5 mm
- PVC round cables 3 x 0.75 mm²



Technical data

Max. stripping performance		STRIPPER PC	STRIPPER COAX
Cable type		Data cable / telecommunications and IT	Coaxial & round data cables
Min. conductor diameter	mm	5...15	4.8...7.5
Wire cross-section, min. / max.	mm²	0.25...4	
Tool data			
Length	mm	125	97
Weight	g	55	22
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	STRIPPER PC	1	**9918060000**	STRIPPER COAX	1	**9918030000**
Note						

Crimping

Crimping	Introduction	D.2
	Overview contacts – tools	D.4
	Crimping tools for wire end ferrules	D.6
	Introduction – Crimping tools for other contacts	D.14
	Crimping tools for other contacts	D.16
	Pressing tools	D.28
	Introduction / Mechanical and electro-hydraulic crimping tools	D.30
	Crimping tools PZ PK 6/70 and PZ RK 6/70	D.31
	Crimping tools PZ PK 10/120 and PZ RK 10/120	D.32
	Crimping tools MTR 35	D.33
	Crimping tools EPG 45 and MTR 110	D.35
	Crimping tools MTR 160 and MTR 300	D.39
	Crimping tools APG 55 and HPG 55	D.41
	Crimping tools APG 80 and HPG 80	D.44
	Battery-powered hydraulic cable cutter AKT 50	D.48
	Battery / Battery charger	D.49
	Insertion tool for twisted-pair cable	D.51
	Disconnect	D.52
	Tools for polymer optical fibre (POF)	D.54
	Cable tie tools	D.55

Crimping

After stripping, appropriate contacts or wire end ferrules can be crimped to the cable end.
Crimping produces a reliable connection between conductor and contact, and has more or less completely replaced soldering.
Crimping describes the production of a uniform, non-detachable connection between conductor and connecting element.
This should be achieved exclusively by the use of a high-quality precision tool. The result is a safe, reliable connection in both electrical and mechanical terms.

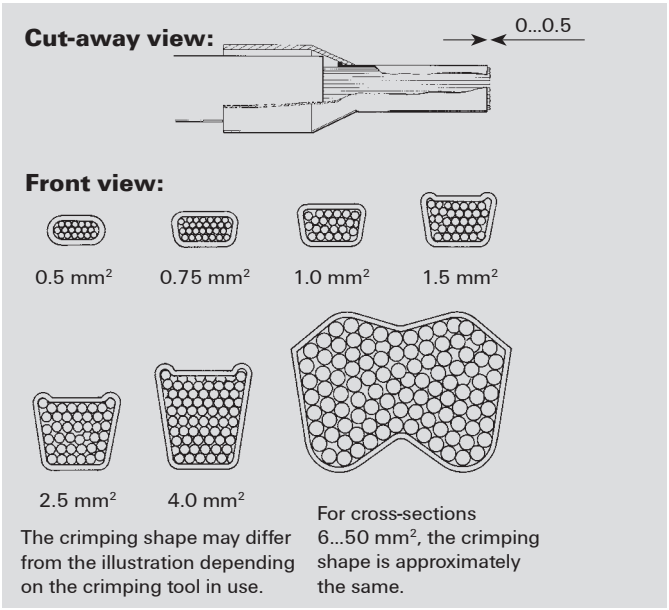
Weidmüller offers a wide range of mechanical crimping tools. An integral ratchet mechanism with disengage option guarantees optimum processing quality. Crimp connections produced with Weidmüller tools comply with international standards and specifications.

The DIN EN 60352-2 standard recommends that tools and contacts should come from the same manufacturer, since this is the only way to ensure consistently high quality. Otherwise, it is the user who is responsible for the quality. Weidmüller tools are designed to fit with Weidmüller contacts and thus are in full compliance with the DIN EN standard.

Note: The AWG cross-section specifications can be compared with the equivalent metric specifications.

Crimping of wire end ferrule: an example of an optimum crimp of different cross-sections.

A crimp connection using manual and automatic Weidmüller tools can be seen below. The conductor insulation must be pushed into the plastic collar and the ferrule sleeve must be completely filled by the conductor. Depending on the cross-section, the conductor should protrude approx. 0 ... 0.5 mm from the ferrule sleeve.



The crimping shape may differ from the illustration depending on the crimping tool in use.

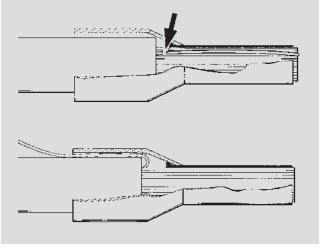
For cross-sections 6...50 mm², the crimping shape is approximately the same.



Faulty crimping connections due to an incorrect combination of cable and wire end ferrule

It is not possible for a tool to function reliably with every combination of conductor and crimping material.
It is possible that the standard requirements for the crimped product can't be achieved, although taken on their own, both conductor and crimping material comply with the corresponding standard. The individual production tolerances of conductor and crimping material do not allow every conductor to be combined with every contact.

The combination of conductors, crimping material and crimping tool must be coordinated: this procedure is all the more difficult given the large number of products on the market.
This means that the material must be defined and the crimping result tested, ensuring that the test, and later on the tool, satisfy the same conditions.



Single conductor squeezed off

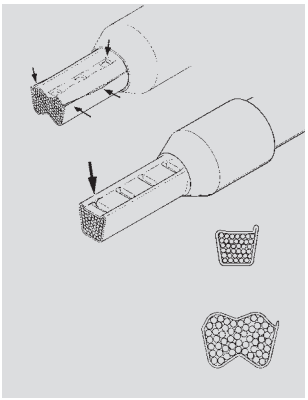
Single conductor pushed back



Faults which can occur during crimping:

- Cracks along the sides and die impressions
- Splitting of the ferrules
- Asymmetrical crimping shape
- Extreme burrs formed along the sides
- Ferrule not filled by the conductor
- Single conductors pushed back protruding from the collar
- Single conductors squeezed off
- Plastic collar damaged by the crimping jaw
- Conductor insulation not pushed into the plastic collar
- Ferrule bent longitudinally after crimping





Formation of cracks at the sides.
Sides split open

Formation of cracks at the impressions of the crimping jaw

Asymmetrical crimping shape
Burr formation on one side

Asymmetrical crimping shape
Burr formation on one side

Note:
The ferrule must not split open after it has been connected once in any Weidmüller terminal corresponding to the conductor cross-section (with a torque according to IEC 60947-1)

Crimp contact	Crimp type	Description	Conductor crosssection in mm²	AWG	Crimping tool	Order No. tool	page
Wire end ferrules		with plastic collar	0,5...2,5	20...14	Stripax Plus 2.5	**9020000000**	D.6
		with / without plastic collar	0,14...6	26...10	PZ 6 roto	**9014350000**	D.9
			0,14...1,5	24...16	PZ 1.5	**9005990000**	D.7
			0,5...4	20...12	PZ 4	**9012500000**	D.8
		with / without plastic collar	0,14...6	26...8	PZ 10 HEX	**1445070000**	D.10
		with / without plastic collar	0,25...6	24...10	PZ 6/5	**9011460000**	D.8
		with / without plastic collar	0,5...6	20...10	PZ 3	**0567300000**	D.7
				26...8	PZ 10 SQR	**1445080000**	D.10
		with / without plastic collar	6...16	10...6	PZ 16	**9012600000**	D.11
			25...50	3...1	PZ 50	**9006450000**	D.12
Twin wire end ferrules		Twin wire end ferrules	0,5...1	20...17	PZ 1.5	**9005990000**	D.7
			0,5...4	20...10	PZ 10 HEX	**1445070000**	D.10
			0,5...2,5	20...14	PZ 4	**9012500000**	D.8
			0,5...4	20...12	PZ 6/5	**9011460000**	D.8
			0,5...4	20...12	PZ 3	**0567300000**	D.7
			0,5...4	20...12	PZ 6 roto	**9014350000**	D.9
			6...16	10...6	PZ ZH 16	**9013600000**	D.11
Stamped contacts		Weidmüller DFF series	0,22...2,5	24...12	HTF DFF	**9014140000**	D.27
		Weidmüller ZRV and MKF series	0,2...0,35 / 0,5...1	24...22 / 20...17	HTF ZRV	**9014840000**	D.27
		Weidmüller FEKO ZRV series	0,2...2,5	24...12	HTF AFK 2.5	**9201040000**	D.27
		Weidmüller RSV and DSTV-HD Systems	0,14...1,5	26...16	HTF RSV 16	**9013560000**	D.27
			2,5	14...12	HTF RSV 12	**9013550000**	D.27
Turned contacts		Turned HD and HE contacts	4...10	12...7	CTX CM 3,6	**9018480000**	D.20
			0,14...4	26...12	CTX CM 1,6/2,5	**9018490000**	D.20
		Turned HD. HE and HX contacts	0,14...6	26...10	CTIN CM 1,6/2,5	**9205430000**	D.20
			1,5...10	16...7	CTIN CM 3,6	**9205440000**	D.20

Crimp contact	Crimp type	Description	Conductor crosssection in mm²	AWG	Crimping tool	Order No. tool	page
coaxial connectors		coaxial connectors			HTG 58	9012000000	D.25
					HTG 58/59	9012020000	D.25
					HTG 59	9012010000	D.25
					HTG 174	9012410000	D.25
					HTX 138	9012400000	D.25
					HTX 188	9011990000	D.25
		coaxial connectors			CTX 500	9006320000	D.26
					CTX 501	9006370000	D.26
					CTX 502	9006380000	D.26
insulated / non-insulated connectors		insulated connectors	0,5...2,5	20...14	HTI 15	9014400000	D.18
			0,5...6	20...10	CTI 6	9006120000	D.17
			0,5...6	20...10	CTI 6 G	9202850000	D.17
		non-insulated connectors	0,5...6	20...10	HTN 21	9014610000	D.18
			0,5...6	20...10	HTN 21 with end stop	9014100000	D.18
			10...25	7...3	CTN 25 D4	9006220000	D.19
			10...25	7...3	CTN 25 D5	9006230000	D.19
modular plug connectors		WE-plug (4, 6 and 8-poles)	0,08...0,25	28...24	TT 864 RS WE	9008120000	D.29
		WE-plug (4, 6 and 10-poles)	0,08...0,25	28...24	TT 1064 RS WE	9008190000	D.29
		shielded WE-plug, system Hirose	0,08...0,25	28...24	TT8 RS MP8	9202800000	D.28
Other contacts and plugs		SUB-D contacts	0,08...0,5	28...20	HTF SUB-D	9013260000	D.26
		flat blade connectors and receptacles	0,1...1 (connec. width 2,8)	27...17	HTF 28	9013090000	D.16
			0,5...2,5 (connec. width 4,8)	20...14	HTF 48	9013080000	D.16
			0,5...2,5 (connec. width 6,3)	20...14	HTF 63	9013400000	D.16
			0,5...6 (connec. width 6,3)	20...10	CTF 63	9202860000	D.16
		fibre optic connectors	Station 1 (hexagon crimp): 3,15 / 6,0 H.- → 3,9		HTX LWL	9011360000	D.21
			Station 2 (round crimp): 4,85 / 6,0 H.- → 5,5		HTX LWL	9011360000	D.21
		IP 67 connector			IE-CT-SC-GOF	9205320000	D.22
					IE-CT-LC-GOF	9205330000	D.22
					IE-CT-SC-POF	9205340000	D.22
					IE-CT-SC-GOF-P	9205350000	D.22

Crimping tools for wire end ferrules

- 3 functions: cutting, stripping, crimpling
- Wire-end ferrules with plastic collars, in compliance with DIN 46228 Part 4
- Ratchet for precise crimping
- Efficient operation: laborious change of tools not necessary, resulting in significant time savings
- Automatic conveyance of wire-end ferrules
- Quick adjustment for different cross-sections
- Easy handling of ferrule strips

Only strips of linked wire-end ferrules, each containing 50 pieces, from Weidmüller may be processed. The use of wire-end ferrules on reels may lead to destruction.

stripax® plus 2.5

0.5...2.5 mm²

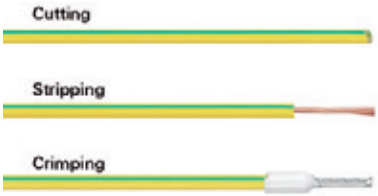


- ~AWG 20...14
- Processing of strips from linked wire-end ferrules of 0.5...2.5 mm² from Weidmüller











Technical data

Description of contact	
Type of contact	
Crimping range	mm²
Crimping range 1 (with multiple crimping positions)	mm²
Crimping range 2 (with multiple crimping positions)	mm²
Crimping range 3 (with multiple crimping positions)	mm²
Crimping range 4 (with multiple crimping positions)	-
Crimping range 5 (with multiple crimping positions)	-
Tool data	
Length	mm
Weight	g
Note	

stripax® plus 2.5
Strips of linked wire-end ferrules
0.5...2.5
0.5...0.75
1...1.5
2.5
210
260
Only strip-type products from Weidmüller may be processed. The use of wire-end ferrules on reels may lead to destruction.

Ordering data

Version
Note

Type	Qty.	Order No.
STRIPAX PLUS 2.5	1	9020000000
STRIPAX PLUS 2.5 ZERT	1	9011980000
Additional accessories can be found in chapter J		

Accessories

Note

Type	Qty.	Order No.
ERSATZMESSER STRIPAX PL	5	9050340000

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 1.5

0.14…1.5 mm²



- ~AWG 26…16
- Only one die for the whole cross-section range
- Crimp complies with Euro-Norm EN 60947-1
- Wire-end ferrule insertion from the front



PZ 3

0.5…6 mm²



- ~AWG 21…10
- Only one die for the whole cross-section range
- Wire-end ferrule insertion from the front



Technical data

Description of contact		PZ 1.5	PZ 3
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.14…1.5	0.5…6
Crimping range 1 (with multiple crimping positions)	-		
Crimping range 2 (with multiple crimping positions)	-		
Crimping range 3 (with multiple crimping positions)	-		
Crimping range 4 (with multiple crimping positions)	-		
Crimping range 5 (with multiple crimping positions)	-		
Tool data			
Length	mm	170	200
Weight	g	170	426
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 1.5	1	**9005990000**	PZ 3	1	**0567300000**
	PZ 1.5 ZERT	1	**9017310000**	PZ 3 ZERT	1	**9017360000**
Note	Additional accessories can be found in Chapter J			Additional accessories can be found in Chapter J		

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 T.1 and T.4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 4

0.5...4 mm²



- ~AWG 21...12
- Only one crimping station for the whole cross-section range
- Wire-end ferrule insertion from the side

PZ 6/5

0.25...6 mm²



- ~AWG 24...10
- Crimp complies with Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Five crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side





Technical data

Description of contact		PZ 4	PZ 6/5
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.5...4	0.25...6
Crimping range 1 (with multiple crimping positions)	-		0.25...0.5
Crimping range 2 (with multiple crimping positions)	-		0.75...1.5
Crimping range 3 (with multiple crimping positions)	-		2.5
Crimping range 4 (with multiple crimping positions)	-		4
Crimping range 5 (with multiple crimping positions)	-		6
Tool data			
Length	mm	200	200
Weight	g	448	423
Note			

Ordering data

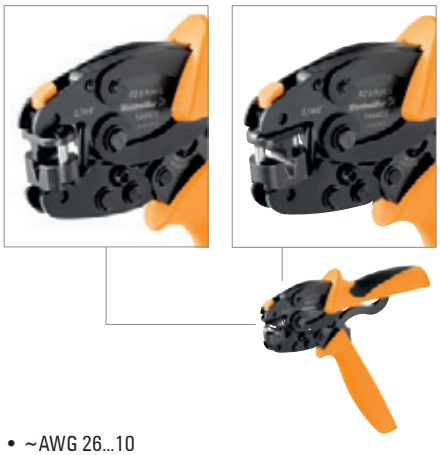
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 4	1	**9012500000**	PZ 6/5	1	**9011460000**
	PZ 4 ZERT	1	**9017300000**	PZ 6/5 ZERT	1	**9017900000**
Note	Additional accessories can be found in Chapter J			Additional accessories can be found in Chapter J		

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars in accordance with DIN 46228 Part 1 and Part 4
- Rotating crimp insert, lockable
- Insert the wire-end ferrules from the side or front
- Ratchet for precise crimping
- Release option if misused

PZ 6 Roto L

0.14–6 mm²



- ~AWG 26...10
- Only one crimp insert for the whole cross-section range
- A rotating crimp insert allows for wire-end ferrules to be inserted from the side or front
- Lockable die

PZ 6 Roto

0.14...6 mm²



- ~AWG 26...10
- Only one die for the whole cross-section range
- Rotating die enables wire-end ferrule insertion from the front or side





Technical data

Description of contact		PZ 6 roto L	PZ 6 roto
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.14...6	0.14...6
Crimping range 1 (with multiple crimping positions)	-		
Crimping range 2 (with multiple crimping positions)	-		
Crimping range 3 (with multiple crimping positions)	-		
Crimping range 4 (with multiple crimping positions)	-		
Crimping range 5 (with multiple crimping positions)	-		
Tool data			
Length	mm	200	200
Weight	g	428	428
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 6 ROTO L	1	**1444050000**	PZ 6 Roto	1	**9014350000**
	PZ 6 ROTO L ZERT	1	**1527230000**	PZ 6 ROTO ZERT	1	**9017440000**
Note	Additional accessories can be found in Chapter J			Additional accessories can be found in Chapter J		

Crimping tools for wire end ferrules

PZ 10 HEX

0.14 ... 10 mm²



- ~AWG 26 ... 8
- Only one die for the whole cross-section range of 0.14 ... 10 mm²
- Side wire-end ferrule insertion with hexagon crimp shape

PZ 10 SQR

0.14 ... 10 mm²



- ~AWG 26 ... 8
- Only one die for the whole cross-section range of 0.14 ... 10 mm²
- Side wire-end ferrule insertion with square crimp shape





Technical data

Description of contact			
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.14...10	0.14...10
Crimping range 1 (with multiple crimping positions)	-		
Crimping range 2 (with multiple crimping positions)	-		
Crimping range 3 (with multiple crimping positions)	-		
Crimping range 4 (with multiple crimping positions)	-		
Crimping range 5 (with multiple crimping positions)	-		
Tool data			
Length	mm	195	195
Weight	g	600	600
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 10 HEX	1	**1445070000**	PZ 10 SQR	1	**1445080000**
	PZ 10 HEX ZERT	1	**1989320000**	PZ 10 SQR ZERT	1	**1989310000**
Note						

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 16

6...16 mm²



- ~AWG 10...6
- Crimp complies with Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Three crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side



PZ ZH 16

Twin wire-end ferrules from 6...16 mm²



- ~ AWG 10...6
- Three crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side



Technical data

Description of contact		PZ 16	PZ ZH 16
Type of contact		Wire-end ferrules with/without plastic collars	Twin wire-end ferrules
Crimping range	mm²	6...16	6...16
Crimping range 1 (with multiple crimping positions)	mm²	6	6
Crimping range 2 (with multiple crimping positions)	mm²	10	10
Crimping range 3 (with multiple crimping positions)	mm²	16	16
Crimping range 4 (with multiple crimping positions)	-		
Crimping range 5 (with multiple crimping positions)	-		
Tool data			
Length	mm	200	250
Weight	g	418	730
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 16	1	9012600000	PZ ZH 16	1	9013600000
	PZ 16 ZERT	1	9017340000	PZ ZH 16 ZERT	1	9013610000
Note	Additional accessories can be found in Chapter J			Additional accessories can be found in Chapter J		

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 T.1 and T.4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 50

25...50 mm²



- ~AWG 4...0
- Crimp complies with Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Three crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side



Technical data

Description of contact		PZ 50
Type of contact		Wire-end ferrules with/without plastic collars
Crimping range	mm²	25...50
Crimping range 1 (with multiple crimping positions)	mm²	25
Crimping range 2 (with multiple crimping positions)	mm²	35
Crimping range 3 (with multiple crimping positions)	mm²	50
Crimping range 4 (with multiple crimping positions)	-	
Crimping range 5 (with multiple crimping positions)	-	
Tool data		
Length	mm	250
Weight	g	730
Note		

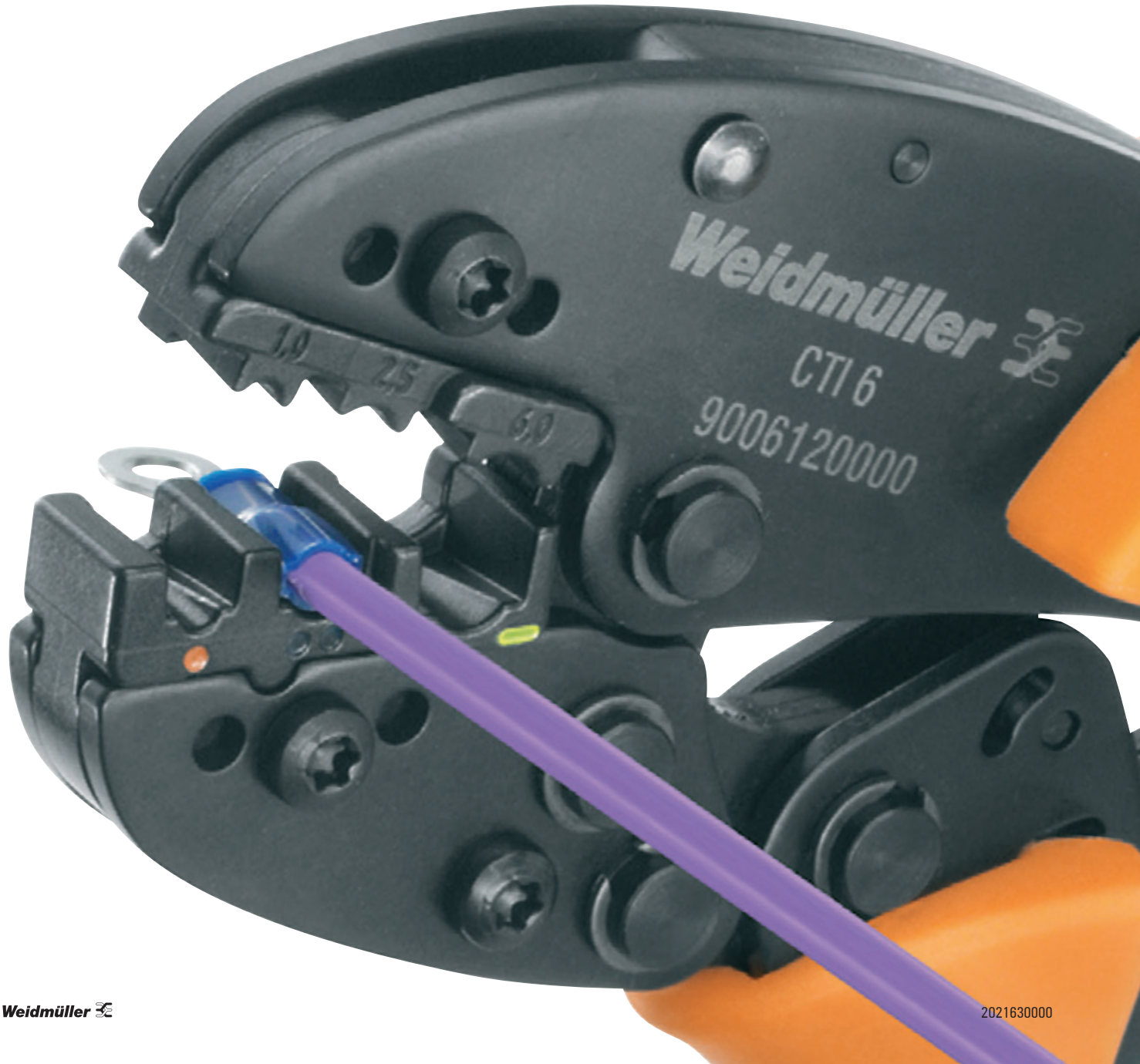
Ordering data

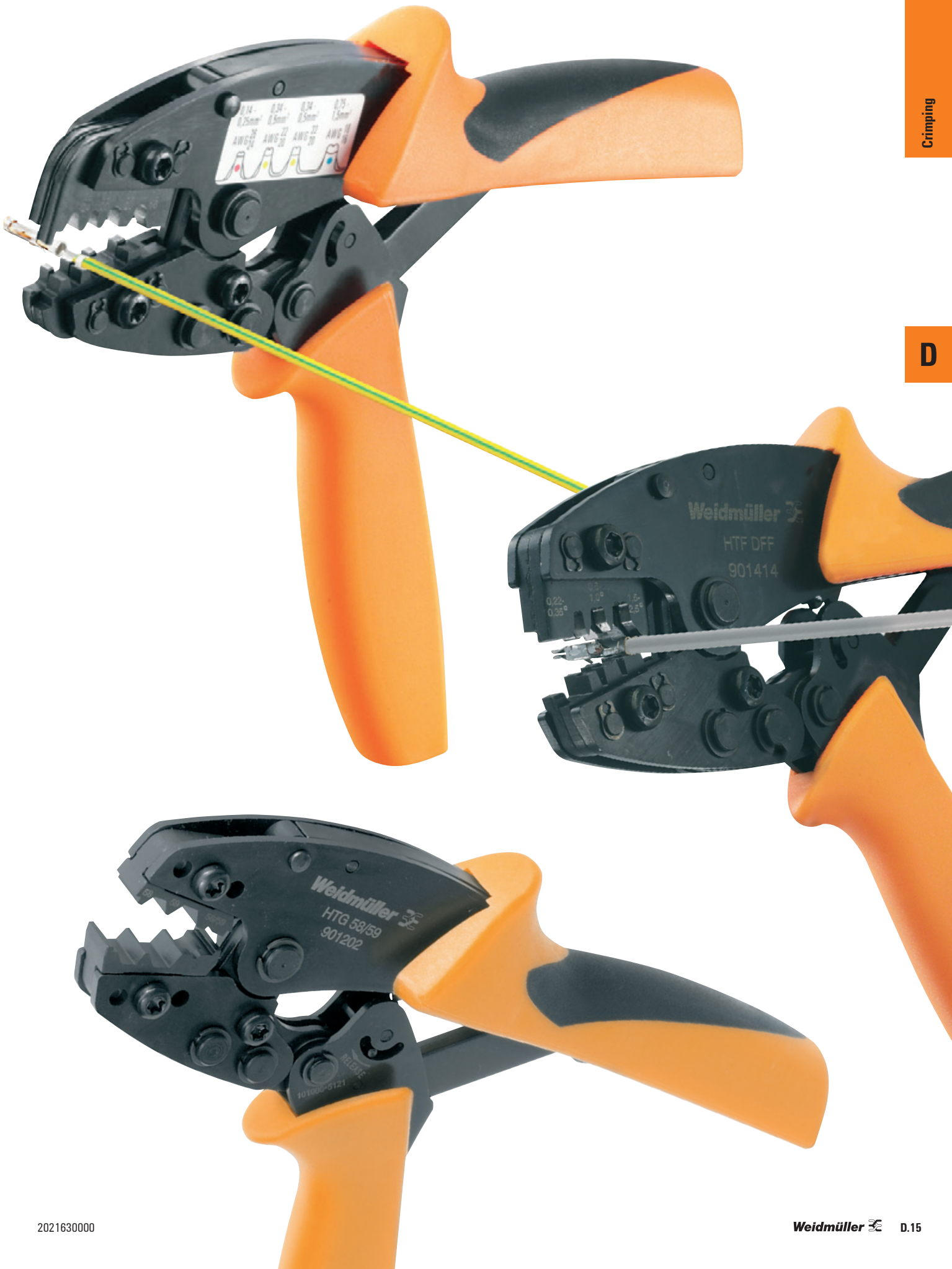
Version	Type	Qty.	Order No.
	PZ 50	1	9006450000
	PZ 50 ZERT	1	9017400000
Note	Additional accessories can be found in Chapter J		

Crimping tool for custom contacts

The crimping technique is one of the most reliable and most versatile connection methods. Extreme quality demands for a variety of different connections require that you use a wide variety of specialised crimping tools which are designed for specific contacts.

Weidmüller offers the right crimping tool for a wide variety of contact, regardless of whether you are using turned contacts, cable-lug connectors, insulated connectors or coaxial connectors.




Weidmüller
HTF DFF
901414
Weidmüller
HTG 58/59
901202

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Contact and insulation are crimped in one step

HTF 28 / HTF 48 / HTF 63

0.1...2.5 mm²



For flat-blade connectors and flat-blade receptacles with pre-rolled crimp claw

HTF 28
- ~AWG 28...18
- Plug width 2.8 mm, from 0.1...1.0 mm²

HTF 48
- ~AWG 21...14
- Plug width 4.8 mm, from 0.5...2.5 mm²

HTF 63
- ~AWG 21...14
- Plug width 6.3 mm, from 0.5...2.5 mm²



CTF 63

0.5...6 mm²



For flat-blade connectors and flat-blade receptacles with pre-rolled crimp claw

CTF 63
- ~AWG 21...10
- Plug width 6.3 mm, from 0.5...6 mm²



Technical data

Description of contact		HTF 28	HTF 48	HTF 63	CTF 63
Type of contact		F-plug / -sleeve	F-plug / -sleeve	F-plug / -sleeve	F-plug / -sleeve
Crimping range	mm²	0.1...1	0.5...2.5	0.5...2.5	0.5...6
Crimping range 1 (with multiple crimping positions)	mm²	0.1...0.25	0.5...1	0.5...1	0.5...1
Crimping range 2 (with multiple crimping positions)	mm²	0.25...0.5	1.5...2.5	1.5...2.5	1.5...2.5
Crimping range 3 (with multiple crimping positions)	mm²	0.6...1			2.6...6
Plug width	mm	2.8	4.8	6.3	6.3
Tool data					
Length	mm	200	200	200	250
Weight	g	438	438	438	730
Note					

Ordering data

Version	Type	Qty.	Order No.
	HTF 28	1	9013090000
	HTF 28 ZERT	1	9017410000
	HTF 48	1	9013080000
	HTF 48 ZERT	1	9017260000
	HTF 63	1	9013400000
	HTF 63 ZERT	1	9017240000
Note	Additional accessories can be found in Chapter J		

Type	Qty.	Order No.
CTF 63	1	9202860000
CTF 63 ZERT	1	1077010000

Additional accessories can be found in Chapter J

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

CTI 6 G

0,5...6 mm²



For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...10
- Parallel crimp profile for crimping contact and insulation in one step

CTI 6

0,5...6 mm²



For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...10
- Double-crimp profile for crimping contact and insulation in one step





Technical data

Description of contact		CTI 6 G	CTI 6
Type of contact		Insulated connector	Insulated connector
Crimping range	mm²	0.5...6	0.5...6
Crimping range 1 (with multiple crimping positions)	mm²	0.5...1.5	0.5...1.5
Crimping range 2 (with multiple crimping positions)	mm²	1.1...2.5	1.1...2.5
Crimping range 3 (with multiple crimping positions)	mm²	2.6...6	2.6...6
Plug width	-		
Tool data			
Length	mm	250	250
Weight	g	747	730
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CTI 6 G	1	9202850000	CTI 6	1	9006120000
	CTI 6 G ZERT	1	1292880000	CTI 6 ZERT	1	9017290000
Note	Additional accessories can be found in Chapter J			Additional accessories can be found in Chapter J		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Tested according to DIN EN 60352 Part 2

HTI 15

0.5...2.5 mm²



For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...14
- Double-crimp profile, for crimping contact and insulation in one step



HTN 21

0.5...6 mm²



For uninsulated cable lugs and connectors

- ~AWG 21...10
- Rolled cable lugs, for example acc. to DIN 46234
- Tubular cable lugs
- Pin cable lugs
- Parallel and serial connectors
- Indent crimping
- Alternatively available with or without pivoting end stop



Technical data

Description of contact		HTI 15	HTN 21	HTN 21 M. AN.
Type of contact		Insulated connector	Uninsulated connection	Uninsulated connection
Crimping range	mm²	0.5...2.5	0.5...6	0.5...6
Crimping range 1 (with multiple crimping positions)	mm²	0.5...1.5	0.5...1.5	0.5...1.5
Crimping range 2 (with multiple crimping positions)	mm²	1.1...2.5	1.1...2.5	1.1...2.5
Crimping range 3 (with multiple crimping positions)	-		2.6...6	2.6...6
Plug width	-			
Tool data				
Length	mm	200	200	200
Weight	g	434	427	427
Note			Without locator	

Ordering data

Version	Type	Qty.	Order No.
	HTI 15	1	9014400000
	HTI 15 ZERT	1	9017430000
Note	Additional accessories can be found in Chapter J		

Type	Qty.	Order No.
HTN 21	1	9014610000
HTN 21 ZERT	1	9017380000
HTN 21 M. AN	1	9014100000
HTN 21 M. AN ZERT	1	9017170000

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

CTN 25 D 4

10...25 mm²



For uninsulated cable lugs and connectors

- ~AWG 8...4
- Rolled cable lugs, acc. to DIN 46234
- Pin cable lugs
- Parallel and serial connectors
- Indent crimping



CTN 25 D 5

10...25 mm²



For uninsulated cable lugs and connectors

- ~AWG 8...4
- Rolled cable lugs, acc. to DIN 46234
- Pin cable lugs
- Parallel and serial connectors
- Hexagon crimping



Technical data

Description of contact		CTN 25 D4	CTN 25 D5
Type of contact		Uninsulated connection	Uninsulated connection
Crimping range	mm²	10...25	10...25
Crimping range 1 (with multiple crimping positions)	mm²	10	10
Crimping range 2 (with multiple crimping positions)	mm²	16	16
Crimping range 3 (with multiple crimping positions)	mm²	25	25
Plug width	-		
Tool data			
Length	mm	250	250
Weight	g	730	730
Note			

Ordering data

Version	Type	Qty.	Order No.
	CTN 25 D4	1	9006220000
	CTN 25 D4 ZERT	1	9017350000
Note	Additional accessories can be found in Chapter J		

Type	Qty.	Order No.
CTN 25 D5	1	9006230000
CTN 25 D5 ZERT	1	1292870000
Additional accessories can be found in Chapter J		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

CTX CM 1.6/2.5 / CTX CM 3.6

0.14…10 mm²



CTX CM 1.6/2.5

- Turned HD contacts
- Turned HE contacts
- ConCept M10 and M5 contacts
- ~AWG 26…12
- 0.14…4.0 mm²

CTX CM 3.6

- Turned HD contacts
- ConCept M3 contacts
- ~AWG 12…8
- 4.0…10 mm²



CTIN CM 1.6/2.5 / CTIN 3.6

0.14…10 mm²



CTIN CM 1.6/2.5

- Turned HD and HE contacts
- Turned HX contacts
- ConCept M10, M5 and M3 contacts
- 4-indent crimp
- ~AWG 26…10
- 0.14…6.0 mm²

CTIN CM 3.6

- Turned HX contacts
- ConCept M3 contacts
- 4-indent crimp
- ~AWG 16…8
- 1.5…10 mm²



Technical data

Description of contact		CTX CM 1.6/2.5	CTX CM 3.6	CTIN CM 1.6/2.5	CTIN CM 3.6
Type of contact		Turned contacts	Turned contacts	Turned contacts	Turned contacts
Crimping range	mm²	0.14…4	4…10	0.14…6	1.5…10
Crimping range 1 (with multiple crimping positions)	mm²	0.14…0.5	4	0.14…6	1.5…10
Crimping range 2 (with multiple crimping positions)	mm²	0.75…1	6		
Crimping range 3 (with multiple crimping positions)	mm²	1.5	10		
Crimping range 4 (with multiple crimping positions)	mm²	2.5			
Crimping range 5 (with multiple crimping positions)	mm²	4			
Tool data					
Length	mm	250	250	230	230
Weight	g	730	730	1220	1220
Note					

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CTX CM 1.6/2.5	1	**9018490000**	CTIN CM 1.6/2.5	1	**9205430000**
	CTX CM 1.6/2.5 ZERT	1	**9013690000**			
	CTX CM 3.6	1	**9018480000**	CTIN CM 3.6	1	**9205440000**
	CTX CM 3.6 ZERT	1	**1270320000**			
Note	A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue			A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

HTX LWL



For fibre-optical cables with

- Core diameter of 1 mm
- Crimping sleeve Ø 5.5 mm

Station 1: hexagon crimp

Station 2: round crimp (for HP connector)



Technical data

Description of contact		HTX LWL
Type of contact		Fibre-optic connector
Station 1: A / B	mm	3.15 / 6
Station 2: A / B	mm	4.85 / 6
Station 3: A / B	-	
C	-	
D	-	
Tool data		
Length	mm	200
Weight	g	415
Note		H. Ø sleeve diameter

Ordering data

Version	Type	Qty.	Order No.
	HTX LWL	1	9011360000
Note			

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

IE-CT-SC-GOF / IE-CT-LC-GOF

Crimping tools for IP 20 + IP 67 connectors



- For fibre-optic SC/ST, IP 20 and IP 67 connectors
- For fibre-optic LC and IP 67 connectors



IE-CT-SC-POF / IE-CT-SC-GOF-P

Crimping tools for IP 20 + IP 67 connectors



- For polymer fibre-optic SC/ST, IP 20 and IP 67 connectors
- For fibre-optic, Profinet and Mobil cable SC/ST and IP 67 connectors



Technical data

Tool data	IE-CT-SC-GOF	IE-CT-LC-GOF
Length	250	250
Weight	730	730
Note		

IE-CT-SC-POF	IE-CT-SC-GOF-P
250	250
730	730

Ordering data

Version	Type	Qty.	Order No.
	IE-CT-SC-GOF	1	9205320000
	IE-CT-LC-GOF	1	9205330000
Note			

Type	Qty.	Order No.
IE-CT-SC-POF	1	9205340000
IE-CT-SC-GOF-P	1	9205350000

Accessories

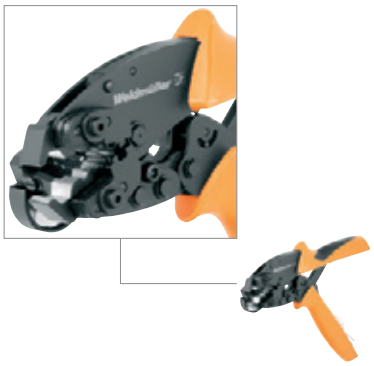
	Type	Qty.	Order No.
	IE-CTI-LC-GOF	1	9205290000
	IE-CTI-SC-GOF	1	9205280000
Note	A large selection of plugs and connectors can be found in our current Industrial Ethernet Catalogue		

Type	Qty.	Order No.
IE-CTI-SC-POF	1	9205300000
IE-CTI-SC-GOF-P	1	9205310000
A large selection of plugs and connectors can be found in our current Industrial Ethernet Catalogue		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

HTX-IE-POF



- Only one tool needed for all SC-RJ plug processing steps
- For processing 1 mm thick polymer optical fibres, especially for the PROFINET and ETHERNET/IP-SC-RJ connectors
- For stripping Duplex polymer optical fibres
- The plugs are crimped and the POF fibres are separated, all in a single step
- Cut surfaces do not need to be polished after cutting
- Locator for precise positioning of the SC-RJ plugs
- Ergonomic handles
- High repeat accuracy

Three steps to produce IP 67 connectors:
1) Strip the polymer optical fibres
2) Crimp and separate
3) Crimp the strain relief

Technical data

Description of contact		HTX-IE-POF
Type of contact		For 1 mm thick polymer optical fibres
Tool data		
Length	mm	220
Weight	g	450
Note		

Ordering data

Version	Type	Qty.	Order No.
	HTX-IE-POF	1	1208870000
Note			

Crimping tool for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With locator for exact positioning of the contacts

CTF PV WM4

2.5...6 mm²



- For Weidmüller WM4 photovoltaic connectors and similar plugs
- For Multi-Contact MC4 2.5 mm² to 6 mm² and similar plugs
- For Hirschmann SunCon 4 mm² and similar plugs



Technical data

Description of contact		CTF PV WM4
Type of contact		F-plug / -sleeve
Crimping range	mm²	2.5...6
Tool data		
Length	mm	250
Weight	g	730
Note		

Ordering data

Version	Type	Qty.	Order No.
	CTF PV WM4	1	1222870000
Note			

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

HTG174 / HTX138 / HTX188



For coaxial connectors such as BNC, TNC and N plugs

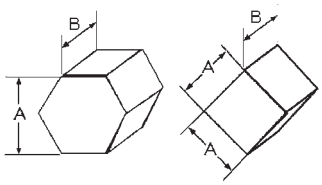
- **HTX 138**
  For connectors on Twinax coaxial cable

HTG 58 / HTG 59 / HTG 58/59



For coaxial connectors such as BNC and TNC plugs

- With cable RG 58, RG 59, RG 62, RG 71



A = Width across flats
B = Crimping width
C = Ø Outer sleeve of coaxial plug
D = Ø Centre contact





Technical data

Description of contact		HTG 174	HTX 138	HTX 188	HTG 58	HTG 58/59	HTG 59
Type of contact		Coaxial connector	Coaxial connector	Coaxial connector	Coaxial connector	Coaxial connector	Coaxial connector
Station 1: A / B	mm	4.52 / 10	8.24 / 10	3.25 / 10	5.4 / 10	5.4 / 10	6.48 / 10
Station 2: A / B	mm	1.72 / 2.3	1.72 / 2.3	1.72 / 2.3	1.72 / 2.3	6.48 / 10	1.72 / 2.3
Station 3: A / B	-					1.72 / 2.3	
C	mm	5.4	9.5	3.8	6.2	6.2	7.5
D	mm	2	2	2	2	2	2
Tool data							
Length	mm	200	200	200	200	200	200
Weight	g	420	420	420	420	420	420
Note							

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	HTG 174	1	9012410000	HTG 58	1	9012000000
	HTX 138	1	9012400000	HTG 58/59	1	9012020000
	HTX 188	1	9011990000	HTG 59	1	9012010000
Note						

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

CTX 500 / 501 / 502



For coaxial connectors such as BNC, TNC and N plugs with coaxial cable



HTF SUB-D



For SUB-D contacts with open crimping claw

- ~AWG 28....20



Technical data

Description of contact		CTX 500	CTX 501	CTX 502	HTF SUB-D
Type of contact		Coaxial connector	Coaxial connector	Coaxial connector	SUB-D
Station 1: A / B	mm	10.54 / 12	10.9 / 12	9.3 / 12	
Station 2: A / B	mm	2.54 / 3.17	2.45 / 3.17	1.75 / 2.3	
Station 3: A / B	-				
C	mm	12.2	12.6	10.7	
D	mm	2.9	2.8	2	
Tool data					
Length	mm	250	250	250	200
Weight	g	730	730	730	438
Note					

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CTX 500	1	9006320000	HTF SUB-D	1	9013260000
	CTX 501	1	9006370000			
	CTX 502	1	9006380000			
Note						

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Contact and insulation are crimped in one step

HTF RSV 12 / HTF RSV 16

0.14...2.5 mm²



HTF RSV 16
- ~AWG 26...16

HTF RSV 12
- ~AWG 14...12



HTF ZRV / HTF DFF / HTF AFK 2.5

0.2...2.5 mm²



HTF DFF

For contacts from the Weidmüller DFF series
- ~AWG 24...14
- 0.22...2.5 mm²

HTF ZRV

For contacts from the Weidmüller ZRV contact system and for MKF flat contacts from Grote & Hartmann and similar designs
- ~AWG 24...17
- 0.2...1.0 mm²

HTF AFK 2.5

For FEKO ZRV contacts from Weidmüller's ZRV contact system or AFK contacts from Grote & Hartmann and similar designs
- ~AWG 24...12
- 0.2...2.5 mm²



Technical data

Description of contact		HTF RSV 16	HTF RSV 16 WI	HTF ZRV	HTF DFF	HTF AFK 2.5
Type of contact		RSV and DSTV-HD	RSV and DSTV-HD	Weidmüller ZRV	Weidmüller DFF	Weidmüller FEKO ZRV
Crimping range	AWG	14...12	26...16	0.2...1	0.22...2.5	0.2...2.5
Crimping range 1 (with multiple crimping positions)	AWG	14	26...24	0.2...0.35	0.22...0.35	0.2...3.5
Crimping range 2 (with multiple crimping positions)	AWG	12	22...20	0.5...1	0.5...1	0.5...1
Crimping range 3 (with multiple crimping positions)	-		22...20		1.5...2.5	1.5...2.5
Crimping range 4 (with multiple crimping positions)	-		16...18			
Crimping range 5 (with multiple crimping positions)	-					
Tool data						
Length	mm	205	205	200	205	200
Weight	g	445	445	436	445	438
Note						

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	HTF RSV 12	1	**9013550000**	HTF ZRV	1	**9014840000**
	HTF-RSV 12 ZERT	1	**9017890000**	HTF DFF	1	**9014140000**
	HTF RSV 16 WI	1	**9013560000**	HTF AFK 2.5	1	**9201040000**
	HTF RSV 16 ZERT	1	**9017880000**			
Note						

Pressing tools

- Pressing tool for modular plug connectors of the WE system (Western Electric and DEC)
- Ratchet for precise crimping
- Release option in the event of incorrect operation

3 functions:

- Pressing of plug connectors
- Pressing of enclosure shielding
- Crimping of cable shielding

TT 8 RS MP 8



For 8-pole shielded RJ45 plugs

- AWG 27...24

Pressing of IDC contacts



Pressing of shielded enclosures



Crimping of shielded cable





Technical data

Description of contact		TT 8 RS MP 8
No. of poles		8
Tool data		
Length	mm	255
Weight	g	1251
Note		

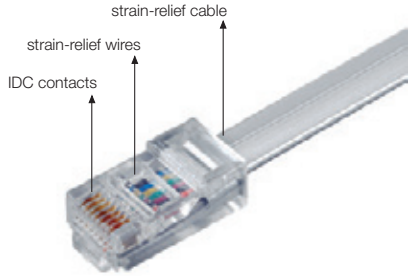
Ordering data

Version	Type	Qty.	Order No.
	TT 8 RS MP 8	1	9202800000
Note	A large selection of RJ 45 connectors can be found in our current Industrial Ethernet Catalogue		

Pressing tools

- Pressing tool for modular plug connectors of the WE system (Western Electric and DEC)
- Ratchet for precise crimping
- Release option in the event of incorrect operation

3 functions:
- Cutting
- Stripping
- Crimping



TT 864 RS WE



For up to 8-pole flat ribbon or flat-oval data cables

- AWG 28...24
- Connection of:
  4-pole WE plugs
  6-pole (RJ12) WE plugs
  6-pole WE plugs (DEC)
  8-pole (RJ45) WE plugs
- Triple crimping for RJ45
- For AMP plugs or versions with similar design
- Other versions on request



TT 1064 RS WE



For up to 10-pole flat ribbon or flat-oval data cables

- AWG 28...24
- Connection of:
  4-pole WE plugs
  6-pole (RJ12) WE plugs
  6-pole WE plugs (DEC)
  10-pole (RJ45) WE plugs
- Triple crimping for RJ45
- For AMP plugs or versions with similar design
- Other versions on request



Technical data

Tool data		TT 864 RS	TT 1064 RS
Length	mm	205	205
Weight	g	525	531
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	TT 864 RS	1	9008120000	TT 1064 RS	1	9008190000
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ERSATZMESSERSATZ TT864	1	9008130000	ERSATZMESSERSATZ TT864	1	9008130000
Note						

Mechanical and electro-hydraulic crimping tools

The precision tools from Weidmüller are worldwide in use. This is a responsibility Weidmüller takes seriously, offering comprehensive services to support this global use.

Tools in daily use should always guarantee consistent processing quality even after many working cycles. Weidmüller offers its customers the service of „Tool-Certification". With this technical test procedure Weidmüller guarantees for the functionality and quality of its tools.



Crimping tool

The cross section can be adjusted by turning the in-built revolving dies. So there is no need of changing dies. Furthermore this tool points by small measurements, light weight, optimized transmission ratio and an extremely high crimping quality due to precisely guided dies.

PZ PK 6/70



Crimping tool for crimping compression cable lugs DIN 46235, compression connectors DIN 46267, aluminium cable lugs and connectors.

Crimping profile: hexagonal-shape with control embossing



PZ RK 6/70



Crimping tool for crimping tubular cable lugs and connectors of the euro-series

Crimping profile: all around WM Style Crimp with control embossing



Technical data

Application range		PZ PK 6/70	PZ RK 6/70
Cu		Cu = 6...70 mm² (K 5 - K 16)	6...70 mm²
Alu		Alu = 10...50 mm² (K 10 - K 16)	
Crimping width	mm	5	5
Tool data			
Length	mm	515	515
Weight	g	2000	2000
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ PK 6/70	1	1500470000	PZ RK 6/70	1	1500440000
Note						

Crimping tools

The cross section can be adjusted by turning the in-built revolving crimp insert. So there is no need of changing crimp inserts.

PZ PK 10/120



Crimping tool for crimping compression cable lugs DIN 46235, compression connectors DIN 46267, aluminium cable lugs and connectors

Crimping profile: hexagonal-shape with control embossing



PZ RK 10/120



Crimping tool for crimping tubular cable lugs and connectors of the euro-series. Furthermore this tool points by small measurements, light weight and an extremely high crimping quality due to WM-crimping.

Crimping profile: all around WM Style Crimp with control embossing



Technical data

Application range		PZ PK 10/120	PZ RK 10/120
Cu		Cu = 10...20 mm² (K 6 - K 20)	10...120 mm²
Alu		Alu = 10 ..70 mm² (K 10 - K 18)	
Crimping width	mm	5	5
Tool data			
Length	mm	660	660
Weight	g	4100	4100
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ PK 10/120	1	**1500480000**	PZ RK 10/120	1	**1500450000**
Note						

Crimping tools for connectors

- For insulated and uninsulated cable lugs and connectors
- Mechanical function ensures safe and manageable operations under different environmental conditions
- Precision engineering means a high pressing force with little physical effort
- Fast feed helps pre-centreing and extraction of the connecting parts
- Ratchet for high-quality, flawless crimping
- Release option in the event of incorrect operation
- Comprehensive range of standard-compliant crimp inserts

MTR 35

6...50 mm²



- ~AWG 16...0000
- Tubular cable lugs from 6...50 mm²
- Wire-end ferrules from 6...50 mm²
- Retractable head for easy withdrawal of crimped connection



Technical data

Description of contact		MTR 35
Pressing force / Deviation	kN/mm	25 / 8
Crimping range for copper tube connector	mm²	6...50
Crimping range for insulated connectors	mm²	10...25
Crimping range of wire end ferrule	mm²	25...50
Tool data		
Length / Weight	mm/kg	270 / 1.3
Note		For more details see crimp inserts on the following pages

Ordering data

Version	Type	Qty.	Order No.
	MTR 35	1	**9017500000**
Note			

Accessories

	Type	Qty.	Order No.
	MTR 35	1	**9017840000**
Note	Crimping inserts see on the following pages		

Crimping inserts – MTR 35

Crimping inserts WM-shape

- for crimping cable lugs and connectors of the euro-series

Ordering data

mm²	Crimp. width mm	Order No.
6	5	1500490000
10	5	1500500000
16	5	1500520000
25	5	1500530000
35	5	1500540000
50	5	1500550000





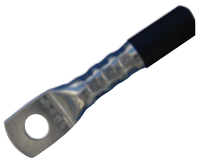
Crimping inserts hexagonal-shape

- for crimping compression copper cable lugs DIN 46 235
- compression copper connectors DIN 46 267 part 1
- aluminium and aluminium/ copper cable lugs and connectors

Ordering data

Code no.	Cu mm²	Al mm²	Crimp. width mm	Order No.
5	6	–	5	1500580000
6	10	–	5	1500590000
8	16	–	5	1500600000
10	25	10	5	1500620000
12	35	16+25	5	1500630000
14	50	35	5	1500640000





Indent Crimping inserts

- for compression terminals DIN 46234
- pin cable lugs DIN 46230
- connector DIN 46341 part 1

Ordering data

mm²	Crimp. width mm	Order No.
6	5	1500650000
10	7	1500670000
16	10	1500680000
25	10	1500690000
35	10	1500700000





Crimping inserts

- for insulated compression terminals

Ordering data

mm²	Crimp. width mm	Order No.
10	7	1500720000
16	7	1500730000
25	10	1500740000





Crimping inserts square-shape

- for insulated and non insulated wire-end ferrules
- crimping width 18 mm

Ordering data

mm²	Crimp. width mm	Order No.
6	18	1500750000
10	18	1500770000
16	18	1500780000
25	18	1500790000
35	18	1500800000
50	18	1500820000





Hydraulic battery crimping tool 45 kN

Battery-powered hydraulic compression hand-crimping tool for crimp cable lugs and connectors up to 150 mm².

- extremely quick processing due to a three-stage axial piston pump
- wide application range up to 150 mm²
- 270° revolving head with quick opening and closing
- because of a flap closure easy working also in places with difficult access
- automatic pressure limits and monitoring through pressure sensor
- engine shutdown and automatic retract after completed pressing
- electronic regulation and supervision of the press rocess
- manual retract
- save of all crimps and error messages on internal memory
- selections of all cycles and error messages about USB interface
- no uncompleted pressing cycles through ongoing monitoring of the rest battery cargo load
- controlled engine drive to the life extension of gearbox, engine and battery
- integrated service management and software updates about the USB interface
- fast tool return pipe through high return flow volume
- sleep-mode; maintenance indication and battery control
- integrated, intelligent electronics assembly with multifunctional LED
- mini-USB interface for all standard computer systems for:
  - Crimping force graph and error indicatio
  - Service Check up
- Li-Ion battery with charge level indicator: 18 V 1.5 Ah

EPG 45

6...150 mm²



Included in delivery

- Hydraulic tool including 1x battery and 1x battery charger
- Manual
- Software
- USB connection cable
- Carrying bag for tool and Crimping inserts



Technical data

Description of contact		EPG 45
Press capacity / piston stroke	kN/mm	45 / 16
Tool data		
Length x width x height / weight	mm/kg	370 x 123 x 80 / 2.3
Note		

Range of application	Ø mm²
Crimping inserts WM-shape for euro-series	6 - 150
Hexagonal crimping inserts for compression cable lugs (DIN 46235) + connectors (DIN 46267)	6 - 150 (K5-K22)
Mandrel crimping inserts for compression terminals DIN 46234	6 - 50
Crimping inserts for insulated compression terminals	10 - 50
Crimping inserts square-shape for insulated and non insulated wire-end ferrules	6 - 50
Rounding crimping inserts for rounding sector-shaped copper and aluminium conductors	10 - 150

Ordering data

Version	Type	Qty.	Order No.
	EPG 45	1	**1500830000**
	EPG 45 120 V	1	**1508780000**
Note			

Accessories

	Type	Qty.	Order No.
Replacement battery - Li-Ion 18 V, 1.5 Ah	AKKU EPG 45	1	**1500840000**
	Ladegerät EPG	1	**1509370000**
	Ladegerät EPG 120 V	1	**1509380000**
Note			

Crimping tools for connectors

- For insulated and uninsulated cable lugs and connectors
- Mechanical function ensures safe and manageable operations under different environmental conditions
- Precision engineering means a high pressing force with little physical effort
- Fast feed helps pre-centreing and extraction of the connecting parts
- Ratchet for high-quality, flawless crimping
- Release option in the event of incorrect operation
- Comprehensive range of standard-compliant crimp inserts

MTR 110

6...120 mm²



- ~AWG 16...0000
- Tubular cable lugs from 6...120 mm²
- Wire-end ferrules from 6...50 mm²
- Retractable head for easy withdrawal of crimped connection



Technical data

Description of contact		MTR 110
Pressing force / Deviation	kN/mm	55 / 10
Crimping range for copper tube connector	mm²	6...120
Crimping range for insulated connectors	mm²	10...16
Crimping range of wire end ferrule	mm²	6...50
Tool data		
Length / Weight	mm/kg	420 / 2

Note	For more details see crimp inserts on the following pages

Ordering data

Version	Type	Qty.	Order No.
	MTR 110	1	**9018020000**

Note	

Accessories

	Type	Qty.	Order No.
	MTR 110	1	**9018040000**

Note	Crimping inserts see on the following pages

Crimping inserts WM-shape

- for crimping cable lugs and connectors of the euro-series

Ordering data

mm²	Crimp. width mm	Order No.
6	7	1500850000
10 / 70	7 / 5	1500870000
16 / 35	7 / 10	1500920000
25 / 50	12 / 5	1500880000
95	5	1500890000
120	5	1500900000
150*	5	1994550000

* only EPG 45





Crimping inserts hexagonal-shape

- for crimping compression copper cable lugs DIN 46 235
- compression copper connectors DIN 46 267 part 1
- aluminium and aluminium/copper cable lugs and connectors

Ordering data

Code no.	Cu mm²	Al mm²	Crimp. width mm	Order No.
5	6	–	7	1500930000
6/16	10/70	–/50	7/5	1500940000
8/12	16/35	–/16+25	12/10	1500950000
10/14	25/50	10/35	12/5	1500970000
18	95	70	5	1500980000
20	120	–	5	1500990000
22	150*		5	1994540000

* only EPG 45





Indent Crimping inserts

- for compression terminals DIN 46234
- pin cable lugs DIN 46230
- connector DIN 46341 part 1

Ordering data

mm²	Crimp. width mm	Order No.
6	6	1501290000
10	8	1501320000
16	10	1501330000
25	12	1501340000
35	12	1501350000
50	12	1501370000
70	12	1501380000





Crimping inserts

- for insulated compression terminals

Ordering data

mm²	Crimp. width mm	Order No.
10	7	1501000000
16	7	1501020000





Crimping inserts square-shape

- for insulated and non insulated wire-end ferrules
- crimping width 19 mm

Ordering data

mm²	Crimp. width mm	Order No.
6	19	1501030000
10	19	1501040000
16	19	1501050000
25	19	1501070000
35	19	1501170000
50	19	1501180000





Prerounding die sets

- for rounding sector-shaped copper and aluminium conductors crimping width: 12 mm

sm = stranded conductors
se = solid conductors

Ordering data

mm² sm	mm² se	Crimp. width mm	Order No.
10	–	12	**1501190000**
16	–	12	**1501200000**
25	35	12	**1501220000**
35	50	12	**1501230000**
50	70	12	**1501240000**
70	95	12	**1501250000**
95	120	12	**1501270000**
120	150	12	**1501280000**



Crimping tools for connectors

- For insulated and uninsulated cable lugs and connectors
- Mechanical function ensures safe and manageable operations under different environmental conditions
- Precision engineering means a high pressing force with little physical effort
- Fast feed helps pre-centreing and extraction of the connecting parts
- Ratchet for high-quality, flawless crimping
- Release option in the event of incorrect operation
- Comprehensive range of standard-compliant crimp inserts

MTR 160

10...240 mm²



- ~AWG 8
- Tubular cable lugs from 10...240 mm²

MTR 300

10...300 mm²



- ~AWG 8
- Tubular cable lugs from 10...300 mm²
- Retractable head for easy withdrawal of crimped connection
- Turntable presses: 25...240 sm; 35...240 se

Technical data

Description of contact		MTR 160	MTR 300
Pressing force / Deviation	kN/mm	100 / 16	100 / 16
Crimping range for copper tube connector	mm²		10...300
Crimping range for insulated connectors	mm²		10...120
Tool data			
Length / Weight	mm/kg	540 / 4	540 / 4
Note		For more details see crimp inserts on the following pages sm: sector conductor stranded; se: sector single conductor	For more details see crimp inserts on the following pages sm: sector conductor stranded; se: sector single conductor

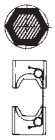
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	MTR 160	1	**9017250000**	MTR 300	1	**9021390000**
Note						

Accessories

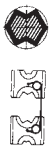
	Type	Qty.	Order No.	Type	Qty.	Order No.
	MTR 160	1	**9017270000**	MTR 300	1	**9021420000**
Note	Crimping inserts see on the following pages			Crimping inserts see on the following pages		

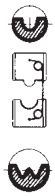
MTR 160

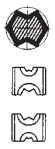
	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **DIN 46235**				
	10	6	7,0	**9020900000**
	16	8	7,0	**9020910000**
	25	10	7,0	**9020920000**
	35	12	7,0	**9020930000**
	50	14	7,0	**9020940000**
	70	16	7,0	**9020950000**
	95	18	7,0	**9020960000**
	120	20	7,0	**9020970000**
	150	22	7,0	**9020980000**
	185	25	7,0	**9020990000**
	240	28	7,0	**9021000000**

MTR 300

	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **DIN 46235**				
	10	6	7,0	**9021430000**
	16	8	7,0	**9021440000**
	25	10	7,0	**9021450000**
	35	12	7,0	**9021460000**
	50	14	7,0	**9021470000**
	70	16	7,0	**9021480000**
	95	18	7,0	**9022290000**
	120	20	7,0	**9022300000**
	150	22	7,0	**9022310000**
	185	25	7,0	**9022320000**
	240	28	7,0	**9022330000**
	300	32	7,0	**9022340000**

	Cross-section [mm²]	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **standard Types**			
	10/25	9,8	**9021750000**
	16/35	9,8	**9021760000**
	50	8,0	**9021770000**
	70	8,0	**9021780000**
	95	8,0	**9021790000**
	120	8,0	**9021800000**
	150	8,0	**9021810000**
	185	8,0	**9021820000**
	240	8,0	**9021830000**

	Cross-section [mm²]	Order No.
Die sets for insulated cable lugs and connectors, **DIN 46234, DIN 46230**		
	10	**9021300000**
	16	**9021310000**
	25	**9021320000**
	35	**9021330000**
	50	**9021340000**
	70	**9021350000**
	95	**9021360000**
	120	**9021370000**
	150	**9021380000**
	with control mark	

	Cross-section [mm²]	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **standard Types**			
	10/25	9,8	**9024010000**
	16/35	9,8	**9024400000**
	50	8,0	**9024410000**
	70	8,0	**9024420000**
	95	8,0	**9024430000**
	120	8,0	**9025210000**
	150	8,0	**9025220000**
	185	8,0	**9025230000**
	240	8,0	**9028020000**

	Cross-section [mm²]	Order No.
Stamp and dies for copper cable lugs and connectors, **DIN 46234, DIN 46230**		
	**2-way die**	
	16/35	**9022360000**
	10/70	**9022350000**
	25/50	**9022370000**
	Stamp	
	10 - 70	**9022990000**
	Single die	
	95	**9022380000**
	120	**9022390000**
	150	**9022400000**
	Stamp	
	95-150	**9023110000**

	Cross-section [mm²]	Order No.
Die sets for insulated cable lugs and connectors, **DIN 46231, 46237**		
	10	**9016180000**
	16	**9016190000**
	25	**9016200000**
	35	**9016210000**
	50	**9016220000**
	70	**9016230000**

Prerounding die sets Cu/Al for sectored cable		
	25 sm/35 se	**9016260000**
	35 sm/50 se	**9016270000**
	50 sm/70 se	**9016280000**
	70 sm/95 se	**9016290000**
	95 sm/120 se	**9016370000**
	120 sm/150 se	**9016380000**
	150 sm/185 se	**9016390000**
	185 sm/240 se	**9016440000**

Battery-powered compression tool APG 55

Battery-powered hydraulic compression tool for crimping cable lugs and connectors up to 240 mm².

- extremely quick processing due to a two-stage hydraulic pump
- 270° revolving head with quick opening and closing
- integrated pressure relief valve, false pressings cause no damage at tool nor dies
- Pressure-relief-button in one-hand operation is able to press from both sides. (for right-and left handed persons)
- integrated overpressure valve, in case of wrong pressings, no damage of tools or inserts
- lithium-ion-battery without memory effect, self discharges very low
- high capacity due 3.0 Ah battery
- fastening eye for balance and carrying strap available
- ergonomic handle with a balanced weight distribution for sure work free of tiredness
- case, handle shell and pressure discharge key completely from isolated and push-firm plastic material
- universal usage: dies for all versions of cable lugs and connectors are available
- integrated electronic module for:
  - permanent accumulator-loading state control
  - supervision of the working process and state announcement
  - announcement of the next service intervall
  - mistake announcement at possible disturbances

APG 55

6...240 mm²



Included in delivery

- Battery-powered compression tool with battery and battery charger
- supporting loop for transport and safety
- transport plastic case



Technical data

Description of contact		APG 55
Press capacity	kN	approx. 55
Operating voltage	Volt	14.4
Battery charger		220–240V 50–60Hz 7.2-18V
Time of loading		approx. 50 minutes

Tool data		
Length x width x height / weight	mm/kg	95 x 350 x 310 mm / 3.6 kg (incl. battery)
Note		

Ordering data

Version	Type	Qty.	Order No.
	APG 55	1	1501390000
	APG 55 120 V	1	1508790000
Note			

Accessories

	Type	Qty.	Order No.
Replacement battery - Li-Ion 18 V, 1.5 Ah	Ersatz Akku APG	1	1502140000
	Ladegerät APG	1	1502170000
	Ladegerät APG 120 V	1	1509390000
Note			

Hand-operated hydraulic crimping tool HPG 55

Hand-operated hydraulic crimping tool for crimping cable lugs and connectors up to 240 mm².

- extremely quick processing due to a two-stage hydraulic pump
- because of a flap closure easy working also in places with difficult access
- extremely light, handy and compact construction form
- integrated pressure relief valve, false pressings cause no damage at tool nor dies
- universal usage: dies for all versions of cable lugs are available
- delivery completely transport plastic case

HPG 55

6...240 mm²



- 180° revolving head with quick opening and closing



Technical data

Description of contact		HPG 55
Press capacity / piston stroke	kN/mm	approx. 55
Tool data		
Length / Weight	mm/kg	400 / 2.6
Note		

Ordering data

Version	Type	Qty.	Order No.
	HPG 55	1	**1501400000**
Note			

Accessories

	Type	Qty.	Order No.
Note			

Crimping inserts WM-shape

- for crimping cable lugs and connectors of the euro-series

Ordering data

mm²	Crimp. width mm	Order No.
6	7	1501420000
10 / 70	7 / 5	1501430000
16 / 35	7 / 5	1501440000
25 / 50	12 / 5	1501450000
95	5	1501470000
120	5	1501480000
150	5	1501490000
185	5	1501500000
240	5	1501520000





Crimping inserts hexagonal-shape

- for crimping compression copper cable lugs DIN 46 235
- compression copper connectors DIN 46 267 part 1
- aluminium and aluminium/copper cable lugs and connectors

Ordering data

Code no.	Cu mm²	Al mm²	Crimp. width mm	Order No.
5	6	-	7	1501530000
6/16	10/70	-/50	7/5	1501540000
8/12	16/35	-/16+25	12/5	1501550000
10/14	25/50	10/35	12/5	1501570000
18	95	70	5	1501580000
20	120	-	5	1501590000
22	150	95+120	5	1501600000
25	185	150	5	1501620000





Indent Crimping inserts

- for compression terminals DIN 46234
- pin cable lugs DIN 46230
- connector DIN 46341 part 1

Ordering data

mm²	Crimp. width mm	Order No.
6	6	1501630000
10	8	1501640000
16	10	1501650000
25	12	1501670000
35	12	1501680000
50	12	1501690000
70	12	1501700000
95	12	1501720000
120	12	1501730000





Crimping inserts

- for insulated compression terminals

Ordering data

mm²	Crimp. width mm	Order No.
10	7	1501740000
16	7	1501750000
25	10	1501770000
35	10	1501780000
50	10	1501790000
70	7	1502250000





Crimping inserts square-shape

- for insulated and non insulated wire-end ferrules
- crimping width 19 mm

Ordering data

mm²	Crimp. width mm	Order No.
6	19	1502270000
10	19	1502280000
16	19	1502290000
25	19	1502300000
35	19	1502320000
50	19	1502330000
70	19	1502340000
95	19	1502370000
120	19	1502380000





Battery-powered compression tool APG 80

Battery-powered hydraulic compression tool for crimping cable lugs and connectors up to 300 mm².

- extremely quick processing due to a two-stage hydraulic pump
- wide application range up to 300 mm²
- 360° revolving head with quick opening and closing
- Pressure-relief-button in one-hand operation is able to press from both sides. (for right-and left handed persons)
- suitable for cutting cables up to 28 mm outside diameter
- integrated overpressure valve, in case of wrong pressings, no damage of tools or inserts
- lithium-ionen-battery without memory effect, self-discharges very low
- high capacity due to 3.0 Ah-battery
- fastening eye for balance and carrying strap available
- ergonomic handle with a balanced weight distribution for sure work free of tiredness
- case, handle shell and pressure discharge key completely from isolated and push-firm plastic material
- universal usage: dies for all versions of cable lugs and connectors are available
- integrated electronic module for:
  - permanent accumulator-loading state control
  - supervision of the working process and state announcement
  - announcement of the next service intervall
  - mistake announcement at possible disturbances

APG 80

6...300 mm²



Included in delivery

- Battery-powered compression tool with battery and battery charger
- supporting loop for transport and safety
- transport plastic case



Technical data

Description of contact		APG 80
Press capacity	kN	approx. 80
Operating voltage		14.4 Volt
Battery charger		220–240 V, 50–60 Hz, 7.2-18 V
Time of loading		approx. 50 minutes
Tool data		
Dimensions (wxlxh) / Weight	mm/kg	95 x 406 x 310 / 5.4 (incl. battery)
Note		

Ordering data

Version	Type	Qty.	Order No.
	APG 80	1	**1502390000**
	APG 80 120 V	1	**1508820000**
Note			

Accessories

	Type	Qty.	Order No.
	Ersatz Akku APG	1	**1502140000**
	Ladegerät APG	1	**1502170000**
	Ladegerät APG 120 V	1	**1509390000**
Note			

Hand-operated hydraulic compression tool HPG 80

hand-operated hydraulic compression tool for crimping cable lugs and connectors up to 300 mm².

- extremely quick processing due to a two-stage hydraulic pump
- wide application range up to 300 mm²
- 360° revolving head with quick opening and closing
- integrated pressure relief valve, false pressings cause no damage at tool nor dies
- universal usage: dies for all versions of cable lugs are available

HPG 80

6...300 mm²



Included in delivery
- transport plastic case



Technical data

Description of contact		APG 80
Press capacity	kN	approx. 80
Tool data		
Dimensions (Length) / Weight	mm/kg	550 / 5.3
Note		

Ordering data

Version	Type	Qty.	Order No.
	APG 80	1	**1502420000**
Note			

Accessories

	Type	Qty.	Order No.
Note			

Crimping inserts WM-shape

- for crimping cable lugs and connectors of the euro-series

Ordering data

mm²	Crimp. width mm	Order No.
6	7	1502430000
10	7	1502440000
16	7	1502470000
25	12	1502480000
35	12	1502490000
50	12	1502500000
70	12	1502520000
95	12	1502530000
120	12	1502540000
150	5	1502550000
185	5	1502570000
240	7	1502580000
300	7	1502590000





Crimping inserts hexagonal-shape

- for crimping compression copper cable lugs DIN 46 235
- compression copper connectors DIN 46 267 part 1
- aluminium and aluminium/copper cable lugs and connectors

Ordering data

Code no.	Cu mm²	Al mm²	Crimp. width mm	Order No.
5	6	–	7	1502600000
6	10	–	7	1502620000
8	16	–	12	1502630000
10	25	16	12	1502640000
12	35	25	12	1502650000
14	50	35	12	1502670000
16	70	50	12	1502680000
18	95	70	10	1502690000
20	120	–	10	1502700000
22	150	95 + 120	5	1502720000
25	185	150	5	1502730000
28	240	185	5	1502740000
32	300	240	7	1502750000
34	–	300	13	1502780000





Indent Crimping inserts

- for compression terminals DIN 46234
- pin cable lugs DIN 46230
- connector DIN 46341 part 1

Ordering data

mm²	Crimp. width mm	Order No.
6	6	1502820000
10	8	1502830000
16	10	1502840000
25	11	1502850000
35	11	1502870000
50	16	1502880000
70	16	1502890000
95	16	1502900000
120	16	1502790000
150	16	1502800000
185	8	1501800000
240	8	1501820000





Crimping inserts

- for insulated compression terminals

Ordering data

mm²	Crimp. width mm	Order No.
10	7	1501830000
16	7	1501840000





Crimping inserts square-shape

- for insulated and non insulated wire-end ferrules
- crimping width 24 mm (10...120 mm^2)
  crimping width 38 mm (150...240 mm^2)

Ordering data

mm^2	Crimp. width mm	Order No.
10	24	**1502000000**
16	24	**1502020000**
25	24	**1502030000**
35	24	**1502040000**
50	24	**1502050000**
70	24	**1502070000**
95	24	**1502080000**
120	24	**1502090000**
150	38	**1502100000**
185	38	**1502120000**
240	38	**1502130000**





Prerounding die sets

- for rounding sector-shaped copper and aluminium conductors crimping width:

sm = stranded conductors
se = solid conductors

Ordering data

mm^2 sm	mm^2 se	Crimp. width mm	Order No.
10	-	16	**1501850000**
16	-	16	**1501870000**
25	35	16	**1501880000**
35	50	16	**1501890000**
50	70	16	**1501900000**
70	95	16	**1501920000**
95	120	16	**1501930000**
120	150	16	**1501940000**
150	185	16	**1501970000**
185	240	16	**1501980000**
240	300	16	**1501990000**



Battery-powered hydraulic cable cutter AKT 50

for cut of fine wiring aluminium and copper cables (without steel insertion) up to 50 mm outside diameter

- extremely quick processing due to a two-stage hydraulic pump
- 360° revolving head with quick opening and closing
- Pressure-relief-button in one-hand operation is able to press from both sides. (for right-and left handed persons)
- lithium-ionen-battery without memory effect, self-discharges very low
- high capacity due to 3.0 Ah-battery
- fastening eye for balance and carrying strap available
- ergonomic handle with a balanced weight distribution for sure work free of tiredness
- case, handle shell and pressure discharge key completely from isolated and push-firm plastic material
- integrated electronic module for:
  - permanent accumulator-loading state control
  - supervision of the working process and state announcement
  - announcement of the next service intervall
  - mistake announcement at possible disturbances

AKT 50

Ø 6 ... 50 mm



Included in delivery
- cable cutter, Battery, battery charger
- supporting loop for transport and safety
- transport plastic case



Technical data

Description of contact		AKT 50
Cutting force	kN	approx. 60
Operating voltage		14,4 Volt
Battery charger		220–240 V, 50–60 Hz, 7,2-18 V
Time of loading		approx. 50 minutes
Tool data		
Dimensions (wxlxh) / Weight	mm/kg	95 x 465 x 310 / 4,9 (incl. battery)
Note		

Ordering data

Version	Type	Qty.	Order No.
	AKT 50	1	1502190000
Note			

Accessories

	Type	Qty.	Order No.
Note			

AKKU APG



Technical data	
Replacement battery - Li-Ion	14.4 V, 3.0 Ah
Weight	0.56 kg

Ordering data

Type	Qty.	Order No.
Battery APG	1	**1502140000**

BATTERY CHARGER APG



Standard-battery charger	220–240 V 50–60 Hz
Voltage range	7.2–18 V
Time of loading	approx. 50 minutes
Weight	0.55 kg

Ordering data

Type	Qty.	Order No.
Ladegerät APG	1	**1502170000**
Ladegerät APG 120 V	1	**1509390000**

AKKU EPG 45



Replacement battery - Li-Ion for EPG 45	18 V, 1,5 Ah
Weight	0,41 kg

Ordering data

Type	Qty.	Order No.
AKKU EPG 45	1	**1500840000**

BATTERY CHARGER EPG



Standard-Battery charger	220–240 V 50–60 Hz
Voltage range	7.2–18 V
Time of loading	approx. 50 minutes
Weight	0.55 kg

Ordering data

Type	Qty.	Order No.
Ladegerät EPG	1	**1509370000**
Ladegerät EPG 120 V	1	**1509380000**

Insertion tool for twisted-pair cable

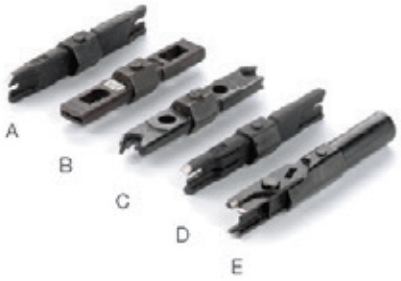
For connecting twisted-pair cable to terminal rails with IDC contacts e.g. in main and floor distributors, and in modular wall junction boxes for structured building cabling.

PDT



The punch-down tool has the following features:

- Mechanism made from metal components
- Adjustable pressing force for conductor sizes AWG 20 to AWG 28
- Different blades for connector blocks of type 110 from AT&T, type 66, type LSA Plus from Krone (standard and scissors cutting function) as well as for telephone outlets 630A6
- Incision blades with 2 functions: incision or incision with cutting off of remaining conductor
- Storage compartment for one blade



A = PD blade 110
B = PD blade 66
C = PD blade 630
D = PD blade Krone LSA (standard)
E = PD blade Krone LSA (scissors)

Technical data

		PUNCH DOWN TOOL PDT
Length / Width / Height	mm	160 / 37 / 29
Weight	g	142
Note		

Ordering data

Version	Type	Qty.	Order No.
	PUNCH DOWN TOOL PDT	1	**9013970000**
Note	(without blade)		

Accessories

	Type	Qty.	Order No.
	ERME LSA PLUS SCHERE	1	**9014050000**
	ERME 110 PDT	1	**9013960000**
	ERME 630 PDT	1	**9013990000**
	ERME 66 PDT	1	**9013980000**
	ERME LSA PLUS STANDARD	1	**9014000000**
Note			

Removal Tool CM3, CM5, HD

Removal Tool HD

CM3 Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM3 module

CM5 Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM5 module

HD Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM10 module

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL HD	1	1866730000
Removal Tool CM 3	1	1866710000
Removal Tool CM 5	1	1866720000



Removal Tool CM20

Removal Tool CM 20

Contact release tool for freeing crimp contacts in the Concept CM20 module

Ordering data

Type	Qty.	Order No.
Removal Tool CM 20	1	1866740000



Removal Tool HE

Removal Tool HE

Contact release tool for the ConCept HE module and for releasing crimp contacts in the ConCept CM4 module

Ordering data

Type	Qty.	Order No.
Removal Tool HE	1	1866750000



HDC-DW RSV 1.6

Contact release tool for the ConCept module, or for dismantling stamped HD pin and socket contacts of type CB/CS and GB/GS

Ordering data

Type	Qty.	Order No.
DW RSV 1.6	1	9004530000



DFF-C

Disengaging tool for removing crimp contacts clipped in BLAC enclosures

Ordering data

Type	Qty.	Order No.
DFF-C ENTRIEGELUNGSWZ.	1	9014210000



Removal Tool AFK

Contact release tool for removing FEKO ZRV contacts.

Ordering data

Type	Qty.	Order No.
Removal Tool AFK	1	1866760000



Replacement sleeve for contact release tool

Ordering data

Type	Qty.	Order No.
HUELSE REMOVAL TOOL HD	5	**1044100000**
HÜLSE REMOVAL TOOL CM 3	5	**1044080000**
HÜLSE REMOVAL TOOL CM 5	5	**1044090000**



HTX-HDC/POF

POF crimping

Crimping of „polymer optical fibre" (POF) fibre-optical contacts.
- For plug and socket
- Ratchet for precise crimping
- Unlocks in case of incorrect operation
- Locator for precise contact positioning

Contacts:
- Fibre-optic cable HD contact socket for Ø1.0 mm POF
- Fibre-optic cable HD contact pin for Ø 1.0 mm POF

Ordering data

Type	Qty.	Order No.
HTX-HDC/POF	1	9010950000

Technical data

Length	200 mm
Weight	438 g



PB LWL/POF / PS LWL/POF

POF polishing

For processing the cut surface of fibre-optic cables with polymer optical fibre (POF).
- Buffing disc (PS LWL/POF)
- Buffing sheet (PB LWL/POF)

Ordering data

Type	Qty.	Order No.
PB LWL/POF	1	9020400000
PS LWL/POF	1	9020390000



AM LWL/POF

POF stripping

Stripping fibre-optic cables. Fibre-optic cable with polymer optical fibres (POF).
- Longitudinal stop with scale is built into the tool
- Stripping direction is lengthwise to the fibre
- No damage to the optical fibre

Ordering data

Type	Qty.	Order No.
AM LWL/POF	1	9020360000



LWL-stripax

Stripping and cutting tool for plastic fibre-optic cables with 1 mm diameter inner conductor
- Stripping length adjustable via end stop
- Automatic opening of the clamping jaws after stripping

Ordering data

Type	Qty.	Order No.
M-D-STRIPAX LWL	1	9003750000



Technical data

Max. stripping performance	M-D-STRIPAX LWL
Cable type	POF conductor with an inner conductor of 1 mm Ø
Conductor diameter -	...1
Stripping length, max. -	7.5
Tool data	
Length mm	135
Weight g	110
Note	POF: polymer optical fibre

Cable tie tools

RT 1



For plastic cable ties with widths of 2.5...4.8 mm and a thickness of up to 1.6 mm.

- Tensioning and separating of cable ties in one step
- The tensioning force can be adjusted over a wide range to cover small to standard cable ties.
- For cable bundles of 1.6 mm to 100 mm diameter

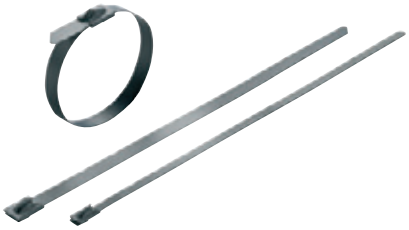


WSM Tool



For steel cable ties with a width of 4.6 mm

- Tensioning and automatic separation of projecting cable ties in one step
- For steel cable ties, e.g., Weidsteel from Weidmüller



Technical data

		KABELBINDERZANGE RT-1	WSM TOOL AUTOMATIK
Length	mm	160	275
Weight	g	260	579
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KABELBINDERZANGE RT-1	1	1296000000	WSM TOOL AUTOMATIK	1	1774470000
Note						

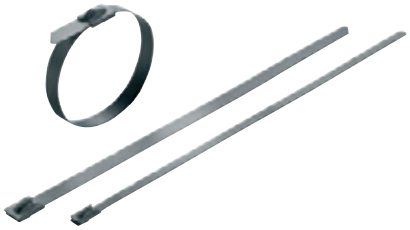
Cable tie tools

WSM Tool



For steel cable ties, 4.6 mm wide

- For pulling the steel cable ties tight; afterwards the cable tie can be removed by turning it 90°.



Technical data

		WSM TOOL MANUELL
Length	mm	220
Weight	g	633
Note		

Ordering data

Version	Type	Qty.	Order No.
	WSM TOOL MANUELL	1	1774480000
Note			

Pliers

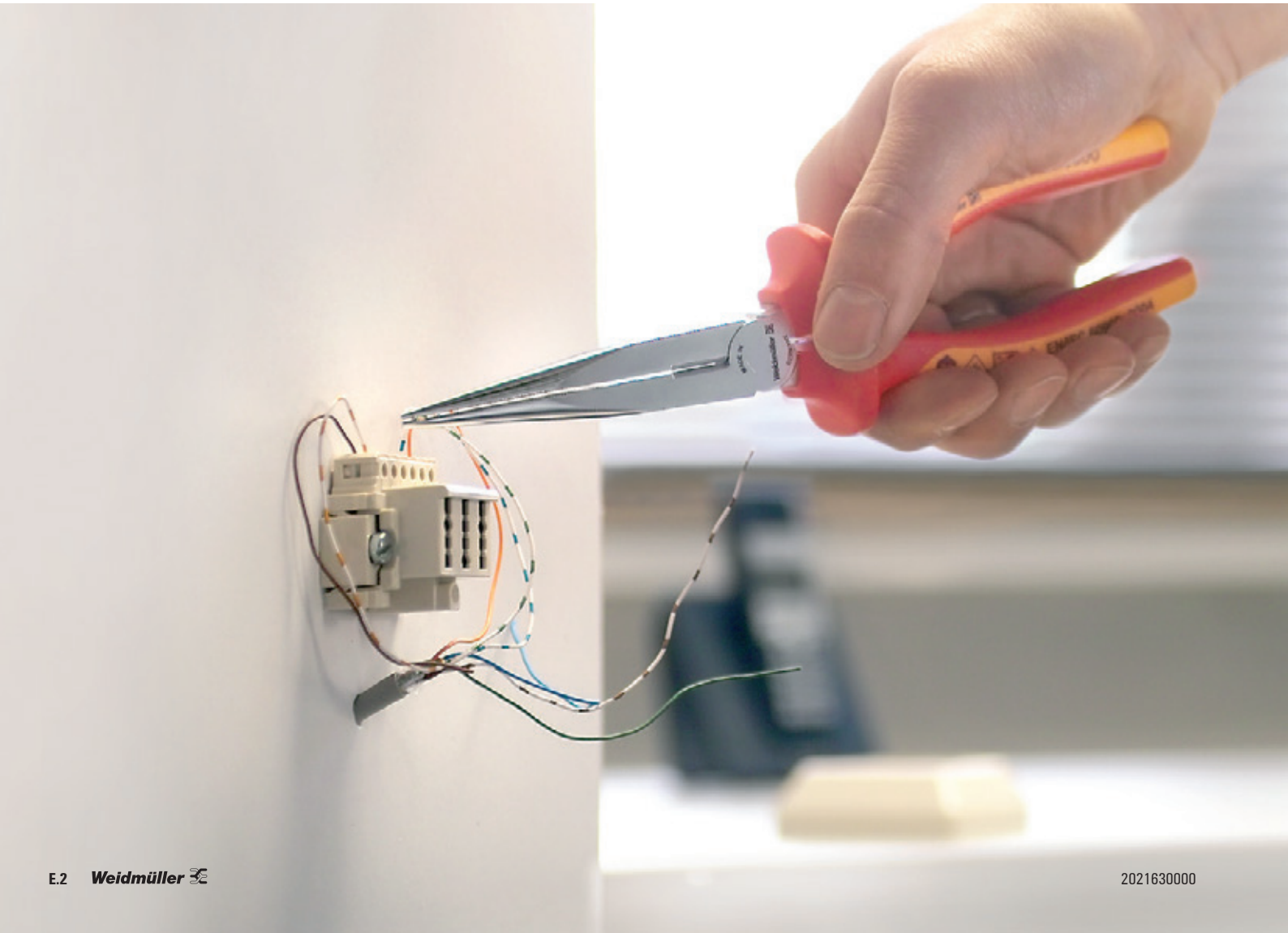
Pliers	Introduction	E.2
	VDE-insulated combination pliers	E.3
	VDE-insulated diagonal-cutting pliers	E.4
	VDE-insulated telephone pliers	E.5
	VDE-insulated flat- and round-nose pliers	E.6
	ESD pliers	E.7

Pliers

Working on live systems calls for special safety procedures and special tools that have been speically produced and tested for such applications.

Weidmüller can provide users with a complete range of pliers which comply with national and international testing standards.
All Weidmüller pliers are produced and tested to DIN EN 60900.

Their ergonomic design fits snugly in the hand, resulting in a more natural, non-fatiguing hand position so you don't catch your fingers.



VDE-insulated combination pliers

Up to 1,000 V (AC) and 1,500 V (DC)
Protective insulation according to IEC 900, DIN EN 60900

- Drop-forged from high-quality special tool steels
- Safety handles with ergonomic and non-slip TPE VDE sleeve
- Made from shockproof, heat and cold resistant, non-flammable, cadmium-free TPE (thermoplastic elastomer)
- Elastic grip zone and hard core
- Highly-polished surface
- Electro-galvanised coating (nickel-chromium) protects against corrosion

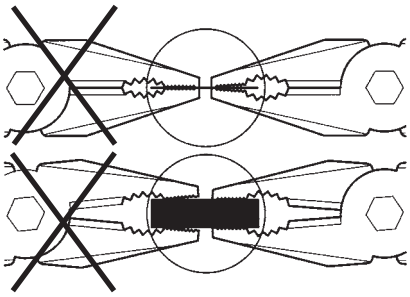
KBZ 160 / KBZ 180 / KBZ 200

Combination pliers



Combination pliers acc. to DIN ISO 5746

- With opening gap (see diagram)
- Films and metal sheets up to a thickness of 2.5 mm are gripped with the tip
- Up to a thickness of 2.5 mm, the gripping force pulls the workpiece towards the joint
- Extra-long cutter for ribbon and round cables
- For cutting soft and hard wires
- Cutting edges inductively hardened to approx. 60 HRC



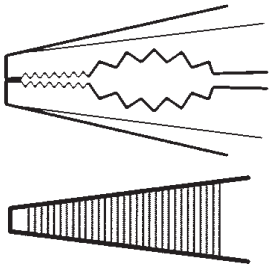
KBZI 200

Heavy-duty combination pliers (telephone pliers)



Telegraph pliers (combination pliers) acc. to DIN 5746

- Heavy-duty model for demanding requirements
- Extra-long cutter for ribbon and round cables
- For cutting soft and hard wires
- Cutting edges inductively hardened to approx. 60 HRC



Technical data

Cutting performance		KBZ 160	KBZ 180	KBZ 200	KBZI 200
Conductor diameter, max. (H)	mm	1.8	2.5	2.5	2.5
Conductor diameter, max. (MH)	mm	2.5	2.8	3	3
Tool data					
Cutter hardness	-	60	60	60	60
Total length	mm	160	180	200	200
Weight	g	230	290	362	412
Note		(MH) medium-hard wire; (H) hard wire; (P) piano wire			**(MH)** medium-hard wire; **(H)** hard wire; **(P)** piano wire

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KBZ 160	1	**9046280000**	KBZI 200	1	**9046430000**
	KBZ 180	1	**9046290000**			
	KBZ 200	1	**9046300000**			
Note						

VDE-insulated diagonal-cutting pliers

Up to 1,000 V (AC) and 1,500 V (DC)
Protective insulation according to IEC 900, DIN EN 60900

- Drop-forged from high-quality special tool steels
- Safety handles with ergonomic and non-slip TPE VDE sleeve
- Made from shockproof, heat and cold resistant, non-flammable, cadmium-free TPE (thermoplastic elastomer)
- Elastic grip zone and hard core
- Highly-polished surface
- Electro-galvanised coating (nickel-chromium) protects against corrosion

KSE 160 / KSE 200 / SE TOP

Professional diagonal-cutting pliers for piano wire



Diagonal-cutting pliers acc. to DIN ISO 5749

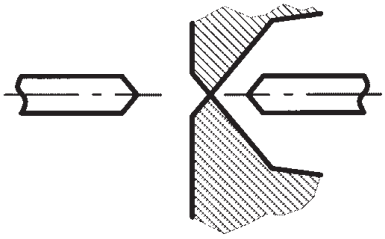
- Cutting edges inductively hardened to approx. 64 HRC
- For cutting soft wires and piano wire

KSE 160 - KSE 200

- Optimised transmission of force
- Optimised precision cutting edge

SE TOP

- With inlaid joint
- Extra-fine precision cutting edge



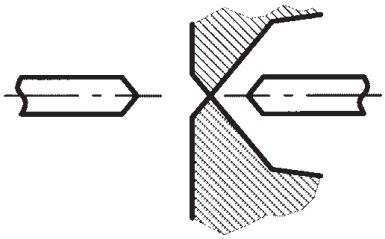
SE HD 140 / SE HD 160 / SE HD 180

Diagonal-cutting pliers for hard wire



Diagonal-cutting pliers acc. to DIN ISO 5749

- With inlaid joint
- With precision cutting edges
- Cutting edges inductively hardened to approx. 62 HRC
- Special tool for steel



Technical data

Cutting performance		KSE 160	KSE 200	SE TOP	SE HD 140	SE HD 160	SE HD 180
Conductor diameter, max. (H)	mm	2.5	3	2.5	2	2.3	3
Conductor diameter, max. (MH)	mm	3.5	4.2	3.5	2.8	3	3.8
Conductor diameter, max. (P)	mm	2	2.5	2	1.4	1.6	1.8
Tool data							
Cutter hardness	-	64	64	64	62	62	62
Total length	mm	160	200	160	140	160	180
Weight	g	243	325	251	203	253	291
Note		(MH) medium-hard wire; (H) hard wire; (P) piano wire			**(MH)** medium-hard wire; **(H)** hard wire; **(P)** piano wire		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KSE 160	1	**9046410000**	SE HD 140	1	**9046310000**
	KSE 200	1	**9046420000**	SE HD 160	1	**9046320000**
	SE TOP	1	**9046340000**	SE HD 180	1	**9046330000**
Note						

VDE-insulated telephone pliers

Up to 1,000 V (AC) and 1,500 V (DC)
Protective insulation according to IEC 900, DIN EN 60900

- Drop-forged from high-quality special tool steels
- Safety handles with ergonomic and non-slip TPE VDE sleeve
- Made from shockproof, heat and cold resistant, non-flammable, cadmium-free TPE (thermoplastic elastomer)
- Elastic grip zone and hard core
- Highly-polished surface
- Electro-galvanised coating (nickel-chromium) protects against corrosion

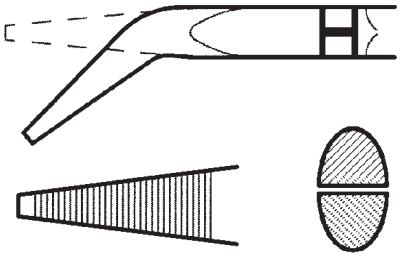
FRZ SG 160 / FRZ SG 200

Half-round-nose pliers with cutter (telephone pliers)



Bent telephone pliers with cutter acc. to DIN ISO 5745 • Half-rounded jaws

- Serrated gripping surfaces
- Tip bent at 45°
- Cutting edges inductively hardened to approx. 60 HRC
- Special tool for steel



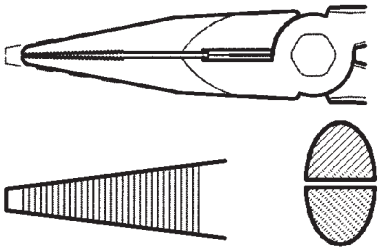
FRZ S 160 / FRZ S 200

Half-round-nose pliers with cutter (telephone pliers)



Telephone pliers with cutter acc. to DIN ISO 5745

- Half-rounded jaws
- Serrated gripping surfaces
- Cutting edges inductively hardened to approx. 60 HRC
- Special tool steel



Technical data

Cutting performance		FRZ SG 160	FRZ SG 200	FRZ S 160	FRZ S 200
Conductor diameter, max. (H)	mm	1.6	1.8	1.6	1.8
Conductor diameter, max. (MH)	mm	2.5	2.8	2.5	2.8
Tool data					
Cutter hardness	-	60	60	60	60
Total length	mm	160	200	160	200
Weight	g	162	207	170	224
Note		(MH) medium-hard wire; (H) hard wire; (P) piano wire		**(MH)** medium-hard wire; **(H)** hard wire; **(P)** piano wire	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	FRZ SG 160	1	**9046390000**	FRZ S 160	1	**9046370000**
	FRZ SG 200	1	**9046400000**	FRZ S 200	1	**9046380000**
Note						

VDE-insulated flat- and round-nose pliers

Up to 1,000 V (AC) and 1,500 V (DC)
Protective insulation according to IEC 900, DIN EN 60900

- Drop-forged from high-quality special tool steels
- Safety handles with ergonomic and non-slip TPE VDE sleeve
- Made from shockproof, heat and cold resistant, non-flammable, cadmium-free TPE (thermoplastic elastomer)
- Elastic grip zone and hard core
- Highly-polished surface
- Electro-galvanised coating (nickel-chromium) protects against corrosion

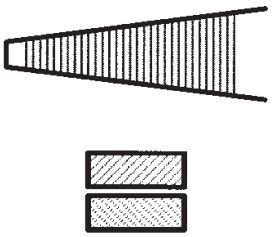
FZ 160

Flat-nose pliers



Flat-nose pliers acc. to DIN ISO 5745

- Serrated gripping surface
- With long jaw



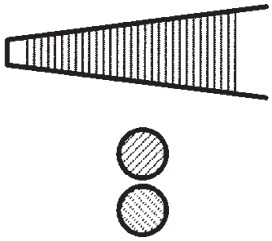
RZ 160

Round-nose pliers



Round-nose pliers acc. to DIN ISO 5745

- Serrated gripping surface
- With long jaw



Technical data

Tool data			
Total length	mm	160	160
Weight	g	163	153
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	FZ 160	1	**9046350000**	RZ 160	1	**9046360000**
Note						

ESD pliers

Weidmüller ESD pliers can be used with precision and safety when working with sensitive electronics. Electrostatic charging is prevented by the special material on the handle.

Electrostatic discharges (ESD) present a danger to electronics that should not be underestimated. The transferral or discharge of an electrostatic charge can cause significant damage. Charges smaller than 100 volts can cause damage to sensitive components. However, ESD with voltages under 2,000 volts can not be felt by humans. When working with components which are particularly sensitive to electrostatic discharges therefore, you need an electrostatic-free work environment and the properly designed tools.

The ESD pliers are particularly suited for use with electronics, including electronic switches and components, as well as with precision mechanics. All pliers feature an ESD-protected, two-coloured, double-component plastic hand grip. The grip material complied with all of the requirements for ESD hand-tool protection for working with ESD-sensitive components.

The 120 mm-long ESD pliers are available individually or as part of a four-piece set: diagonal-cutting pliers, angle-cutting pliers, with pointed head, flat-nose pliers and snipe-nosed pliers. ESD pliers are not appropriate for working with live components or component assemblies.



2021630000

SEE ESD 120

Electronic ESD diagonal-cutting pliers with pointed head

- Hard wire (spring wire or steel nails): 0.4 mm/AWG 26
- Semi-hard wire (iron or nails): 1.0 mm/AWG 18
- Soft wire (copper or aluminium): 1.5 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SEE ESD 120	1	9205130000

Technical data

Weight	90 g



SEE ESD 125

Electronic ESD diagonal-cutting pliers with oval head

- Semi-hard wire (iron or nails): 0.8 mm/AWG 20
- Soft wire (copper or aluminium): 1.5 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SEE ESD 125	1	9204750000

Technical data

Weight	90 g



FZE ESD 130

Electronic ESD flat-nosed pliers

Ordering data

Type	Qty.	Order No.
FZE ESD 130	1	9204760000

Technical data

Weight	90 g



SZE ESD 130

Electronic ESD Snipe-nosed pliers

Ordering data

Type	Qty.	Order No.
SZE ESD 130	1	9204770000

Technical data

Weight	90 g



SVSE ESD 130

Electronic ESD angle -cutting pliers

- Hard wire (spring wire or steel nails): 0.6 mm/AWG 22
- Semi-hard wire (iron or nails): 1.0 mm/AWG 18
- Soft wire (copper or aluminium): 1.2 mm/AWG 16

Ordering data

Type	Qty.	Order No.
SVSE ESD 130	1	9205140000

Technical data

Weight	90 g



SUPER CUT

Electronic diagonal-cutting pliers

- Soft wire (copper): 1.2 mm/AWG 16

Ordering data

Type	Qty.	Order No.
SUPER CUT	1	9205150000



KOF SET ESD

Electronic ESD case set

Contents:

- Diagonal-cutting pliers
- Snipe-nosed pliers
- Flat-nose pliers
- Angle-cutting pliers

Ordering data

Type	Qty.	Order No.
KOF SET ESD	1	9205210000



Screwdrivers

Screwdrivers	Introduction – Screwdrivers	F.2
	Introduction – Electric screwdrivers	F.4
	Torque screwdriver with rechargeable battery	F.6
	Bits	F.8
	Introduction – Torque screwdrivers	F.10
	Uninsulated torque screwdriver	F.11
	VDE-insulated torque screwdriver	F.12
	Special tools SAI	F.14
	Cable gland tools	F.16
	Screwdriver with cutting adapter	F.17
	Introduction – SlimLine screwdriver	F.18
	Introduction – Screwdrivers	F.20
	VDE-insulated screwdriver	F.21
	Uninsulated screwdriver	F.23
	Weidmüller wrench set	F.25
	Pin and electrical cabinet key	F.28

Screwdrivers

Precisely the proper torque! It's indispensable when you require your work to be precise, effective and repeatable: for example when screwing in sensitive or expensive components, during assembly, final testing, or during quality inspection. This is the ideal job for Weidmüller's manual torque screwdriver with its ergonomic grip and its unique interchangeable bit system.

The Weidmüller screwdriver assortment is the perfect solution; it features the ergonomic design and versatility required for demanding professional applications. Weidmüller safeguards your safety, health, comfort and efficiency with our ergonomic design.

In order to establish secure manual screw connections, all Weidmüller screwdrivers and manual torque screwdrivers feature an advanced geometry, slip protection and a special SoftFinish® area. These qualities enable optimal handling and ensure electrical safety and hand protection even when working on the most critical and potentially dangerous applications.

Weidmüller offers a wide variety of electric screwdrivers, standard bits and innovative quick-change holders – the perfect additions to the manual torque screwdriver. They are the ideal tool for achieving a high level of repetitive accuracy, which is made possible through their ergonomic design and integrated automatic torque control which comes as standard.

Weidmüller also offers innovative solutions for special applications such as cable glands or the fastening of sensor cables.









Electric screwdrivers

Crimped conductors can be fastened in their corresponding connecting spaces either by the direct plug-in technique or by means of screws.

Electric screwdrivers / Weidmüller bits

Weidmüller **screwdrivers** are ideal for use with one hand due to their ergonomic design. They guarantee fatigue-free working whatever direction they are being used in, with an automatic torque limit and high repetition accuracy.

The Weidmüller **bits** are standard, of high quality, with a wide range to choose from and all delivering superior performance. We use processor-controlled hardening processes which guarantee consistently high product quality.

The high-grade material enables torques far above those stipulated in the relevant DIN standards:

- DIN 5261 for PH/PZ bits
- DIN 5263 for slotted bits
- Camcar standard for Torx® bits

This means long service life at high torques, producing ideal conditions for standard work.

Product benefits

- Suitable for all screw driving tasks
- Ideal for both manual and machine screw driving tasks due to the high hardness values of 59 – 61 HRC
- Good wear resistance and therefore a long service life
- Optimum fit in DIN screws for low wear and optimum torque transmission
- Manufactured with consistently high product quality based on the relevant ISO standards



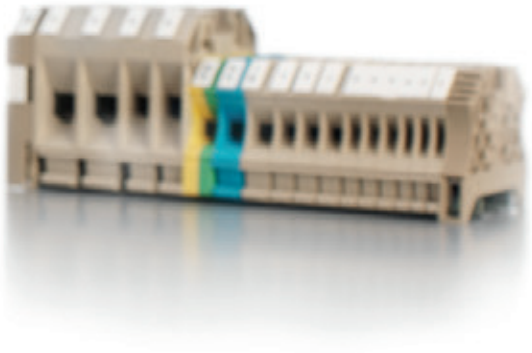
Easy handling
The DMS Pro, with its 500 g and the non-slip rubber handle, fits snugly and securely in your hand. This means you work ergonomically and prevent rapid fatigue.



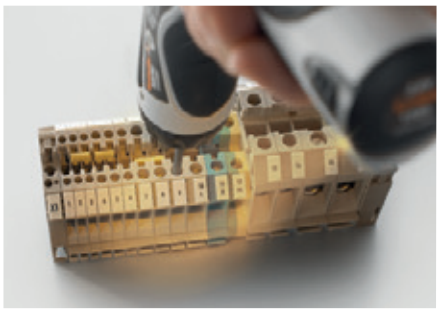
Consistent torque
Thanks to the electronic shut-off, the DMS Pro turns off when the set torque is reached. You are therefore assured that every screw is connected with the same torque even if the battery is nearly flat.







Illuminated screwing point
The LED work light illuminates the work area of the DMS Pro and helps you to find screws faster and easier in dark areas.



Torque screwdriver with rechargeable battery

Cordless torque screwdriver

- One-hand operation under all working conditions
- Clockwise/anticlockwise rotation
- Two speeds: 200 and 600 min^{-1}
- Precise torque pre-selection in 21 steps
- High repeat accuracy
- Switch easily from straight to pistol grip
- Bit holder: 1/4" ball-bearing fixing mechanism (Form E6.3)
- Transport lock prevents accidental operation
- Simple switchover from battery to manual operation up to approx. 15 Nm
- LED work light
- Electronic shut-off clutch
- 1.5 Ah Li-Ion battery technology
- Ergonomic handle design

DMS PRO



DMS PRO SET





Technical data

Screwdriver	
Rated voltage	3.6 V
Idling speed	200 u. 600 min^{-1}
Max. coupling torque	3 Nm
Bit holder	1/4" DIN 3126 Form E6.3
Length	276 mm
Weight	500 g
Battery	
Rechargeable batteries	Li-Ion battery
Battery voltage	3.6 V
Charger	
Charger input	AC 220-240V~50-60Hz 30W
Charger output	DC 2.8...6V; 4.8A / 30W max.
Charging time	30 min
Weight	500 g
Note	

LOW 200/min HIGH 600/min			
Lev	**Nm**	**Lev**	**Nm**
01	0.36	11	1.45
02	0.46	12	1.55
03	0.57	13	1.67
04	0.66	14	1.78
05	0.80	15	1.99
06	0.87	16	2.14
07	0.98	17	2.26
08	1.10	18	2.41
09	1.20	19	2.53
10	1.36	20	2.67
		21	2.83

Ordering data

Version	Type	Qty.	Order No.
	DMS PRO	1	**1479120000***
Note			

Typ	VPE	Best.-Nr.
DMS PRO SET (screwdriver incl. batterie, 1 additional battery, charger, bits, plastic carrying case)**	1	**1479090000***

Accessories

	Type	Qty.	Order No.
	AKKU DMS PRO	1	**1479110000**
	LG DMS PRO/ DMS 3	1	**9007460000**
Note			

* available in Europe

** see picture

Torque screwdriver with rechargeable battery

- One-hand operation under all working conditions
- Clockwise/anticlockwise
- Two speeds: 200 and 400 rpm^{-1}
- Precise torque pre-selection of approx. 0.3...3 Nm in 6 steps
- High reproducibility right up to complete discharge of the rechargeable battery
- Simple changeover from straight to pistol form
- Bit holder: 1/4" ball bearing fixing mechanism (form E6.3)
- Safety lock prevents unintentional activation
- Simple switchover from battery to manual operation up to 15 Nm

DMS 3





DMS 3 Set



Technical data

Screwdriver	
Rated voltage	2.4 V
Idling speed	200 u. 400 min^{-1}
Torque setting, max.	3 Nm
Bit holder	1/4" DIN 3126 Form E6.3
Length	239
Weight	400
Battery	
Rechargeable batteries	Ni-Mh cells
Weight of rechargeable battery	122 g
Charger	
Charger input	230 V AC; 50 Hz; 50 mA
Charger output	2.9 V AC; 1.4 A; 4.1 VA
Charging time	45 min
Weight of charger	700 g
Note	

level	ca. Nm LOW	ca. Nm HIGH	level	ca. Nm LOW	ca. Nm HIGH
1	0.3	0.45	4	1.0	1.15
1.1	0.35	0.5	4.1	1.1	1.25
1.2	0.45	0.6	4.2	1.2	1.3
1.3	0.5	0.65	4.3	1.3	1.4
2	0.55	0.7	5	1.35	1.45
2.1	0.6	0.75	5.1	1.45	1.5
2.2	0.65	0.8	5.2	1.5	1.6
2.3	0.7	0.85	5.3	1.6	1.7
3	0.75	0.95	6	2.5	2.5
3.1	0.8	1.0			
3.2	0.85	1.0			
3.3	0.95	1.1			

Ordering data

Version	Type	Qty.	Order No.
	DMS 3	1	**9007440000**
	DMS 3 ZERT	1	**9017870000**
Note	Incl. rechargeable battery		

Type	Qty.	Order No.
DMS 3 set 1 (screwdriver incl. batterie,charger, bits, plastic carrying case)*	1	**9007470000**
DMS 3 set 2 (as set 1, with 1 additional battery)	1	**9007480000**
Bit-Box DMS3	1	**9024970000**
DMS 3 set 1 Zert	1	**9017450000**
DMS 3 set 2 Zert	1	**9017420000**

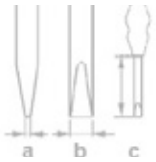
*) see picture

Accessories

	Type	Qty.	Order No.
	AKKU DMS 3	1	**9007450000**
	LG DMS PRO/ DMS 3	1	**9007460000**
Note			

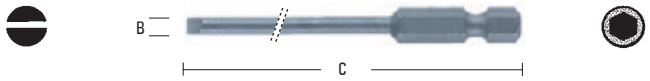
Bits drive 1/4 E6.3

1/4'' hexagon drive, acc. to DIN 3126,
Shape E6.3 for direct machine connection



Bit E6.3 S

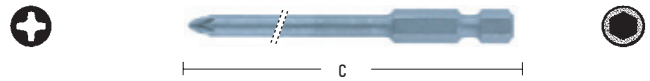
Slotted bits DIN 5264,
1/4'' drive E6.3 DIN 3126



Type	Size / AF	a	b	c	Order No.
BIT E6,3 0,4x2,5x70		0.4	2.5	70	9202750000
BIT E6,3 0,5x3,0x70		0.5	3	70	9024000000
BIT E6.3 0.5X3.0X110		0.5	3	110	9205600000
BIT E6,3 0,6x3,5x70		0.6	3.5	70	9024020000
BIT E6.3 0.6X3.5X110		0.6	3.5	110	9205610000
BIT E6,3 0,6X4,5X110		0.8	4.5	110	9205630000
BIT E6,3 0,8x4,0x70		0.8	4	70	9024030000
BIT E6.3 0.8X4.0X110		0.8	4	110	9205620000
BIT E6,3 1,0x5,5x70		1	5.5	70	9024040000
BIT E6.3 1.0X5.5X110		1	5.5	110	9205640000
BIT E6,3 1,2x6,5x70		1.2	6.5	70	9202740000
BIT E6.3 1.2X6.5X110		1.2	6.5	110	9205650000

Bit E6.3 PH

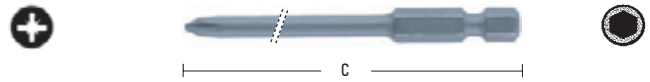
Crosshead bits, Phillips-recess type PH/DIN 5260.
1/4'' drive E6.3 DIN 3126



BIT E6,3 PH1x70	1			70	9024080000
BIT E6,3 PH2x70	2			70	9024090000

Bit E6.3 PZ

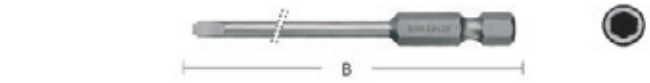
Crosshead bits, Pozidrive type PZ/DIN 5262,
1/4'' drive E 6.3 DIN 3126



BIT E6,3 PZ1x70	1			70	9024100000
BIT E6,3 PZ2x70	2			70	9024110000

Bit E6.3 Z

Slotted bits with pilot tip DIN 5264,
1/4'' drive E6.3 DIN 3126



BIT E6.3Z 0.6X3.5X70		0.6	3.5	70	9205670000
BIT E6.3Z 0.8X4.0X70		0.8	4	70	9205660000

Bit E6.3 T

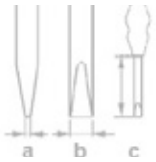
Torx® bits,
drive 1/4'' E6.3 DIN 3126



BIT E6,3 T15	1318350000
BIT E6,3 T20	1318370000
BIT E6,3 T40	1318380000

Bits drive 1/4 E6.3

1/4'' hexagon drive, acc. to DIN 3126,
shape E6.3 for direct machine connection
(DMS2 1/4'' E6.3)



Bit box DMS3

Weidmüller bit box, 9-piece, fitted with universal holder
1/4'' drive E6.3 DIN 3126; drive: 1/4'' E6.3; 1/4'' bits C6.3



Type	Size / AF	a	b	c	Order No.
UBH 1/4'' E6,3					
BIT C6,3 0,5x4,0x25		0.5	4	25	
BIT C6,3 0,6x4,5x25		0.6	4.5	25	
BIT C6,3 PH0x25				25	
BIT C6,3 PH1x25				25	
BIT C6,3 PH2x25				25	
BIT C6,3 PZ0x25				25	
BIT C6,3 PZ1x25				25	
BIT C6,3 PZ2x25				25	
Bit-Box WI DMS 3					**9024970000**

UBH 1/4 E6.3

Short universal bit holder, magnetic
drive: 1/4'' E6.3 DIN 3126, output: 1/4'' E6.3



UBH 1/4 E6,3	**9009520000**

UBH SWH 1/4 EC 6.3

Universal quick-change holder with locking function. True one-hand operation for quick bit changes. Drive: 1/4'' E6.3 DIN 3126, output: 1/4'' E6.3 + C6.3 double bits



UBH SWH 1/4 EC 6.3	**9205680000**

BHS 1/4

Bit holder with flexible shank for reaching awkward screws, for all bits, output drive: 1/4'' C6.3 DIN 3126 with SoftFinish® grip



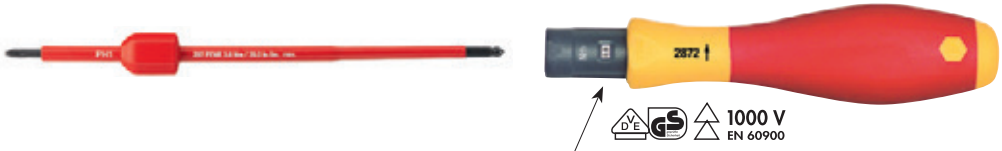
BHS 1/4	**9009630000**

DMS manual / DMSI manual

Torque screwdrivers with insulation up to 1,000 V (VDE) DMSI manual

The „ DMSI manual“ with an integral window scale, combined with a Weidmüller 1,000 V insulated (VDE) interchangeable blade, ensures controlled tightening of screws and maximum reliability in electrical applications.

Every 1,000 V insulated (VDE) handle and blade is tested and provides the necessary safety up to 1,000 V AC / 1,500 V DC.



Torque screwdrivers DMS manual

This is a versatile tool suitable for a variety of jobs, with an integral scale for easy reading of the torque value and a Weidmüller interchangeable blade.

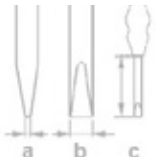


Each model is available with two torque ranges:
- 0.5 to 1.7 Nm
- 2.0 to 8.0 Nm
- setting tool included



Advantages:
- Compact and especially lightweight design
- Torque set with special tool (included) to ensure the right setting
- Ergonomic handle size to match the torque range
- Every tool checked and given an ID No., 100 % quality control with verification and product reference
- Audible, unmistakable click upon reaching the torque, no unnecessary effort
- Interchangeable blade made from high-quality wear-resistant tool steel
- All tools comply with the accuracy stipulations of: EN ISO 6798, BS EN 26789, ASME B107.14M
- Operating accuracy: ±6 % of set scale value

Uninsulated torque screwdrivers



DMS manual

Torque screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M



Type	Size / AF	a	b	c	Order No.
DMS MANUELL 0,5-1,7	0.5 - 1.7 Nm				9918370000
DMS MANUELL 2,0-8,0	2.0 - 8.0 Nm				9918380000

WK K S

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5264, ISO 2380/1



WK S 0,4x2,5	max. 0.4 Nm	0.4	2.5	175	9918520000
WK S 0,5x3,0	Max. 0.6 Nm	0.5	3	175	9918530000
WK S 0,6x3,5	Max. 1.1 Nm	0.6	3.5	175	9918540000
WK S 0,8x4,0	Max. 2.5 Nm	0.8	4	175	9918550000
WK S 1,0x5,5	Max. 3.8 Nm	1	5.5	175	9918560000

WK K PZ

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5260-PZ, ISO 8764/1-PZ



WK K PZ0	Max. 9 Nm		175	9918600000
WK K PZ1	Max. 3.8 Nm		175	9918610000
WK K PZ2	Max. 5.5 Nm		175	9918620000

WK K PH

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5260-PH, ISO 8764/1-PH



WK K PH0	Max. 9 Nm		175	9918570000
WK K PH1	Max. 3.8 Nm		175	9918580000
WK K PH2	Max. 5.5 Nm		175	9918590000

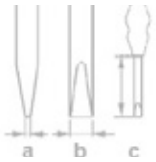
WGK 1/4 C6.3 E6.3

Interchangeable bit with bit holder for torque screwdrivers
Drive output: 1/4" C6.3 and 1/4" E6.3



WK 1/4 C6,3 E6,3					9202510000

VDE-insulated torque screwdrivers



DMSI manual

VDE-insulated torque screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M



Type	Size / AF	a	b	c	Order No.
DMSI MANUELL 0,5-1,7	0.5 - 1.7 Nm				**9918390000**
DMSI MANUELL 2,0-8,0	2.0 - 8.0 Nm				**9918400000**

WK SI

VDE-insulated interchangeable bits for VDE-insulated torque screwdriver; drive output acc. to DIN 5264, ISO 2380/1



WK SI 0,4x2,5	max. 0.4 Nm	0.4	2.5	200	**9918410000**
WK SI 0,5x3,0	Max. 0.6 Nm	0.5	3	200	**9918420000**
WK SI 0,6x3,5	Max. 1.1 Nm	0.6	3.5	200	**9918430000**
WK SI 0,8x4,0	Max. 2.5 Nm	0.8	4	200	**9918440000**
WK SI 1,0x5,5	Max. 3.8 Nm	1	5.5	200	**9918450000**

WK IK PH

VDE-insulated interchangeable bits for VDE-insulated torque screwdriver; drive output acc. to DIN 5260-PH, ISO 8764/1-PH



WK IK PH0	Max. 9 Nm		200	**9918460000**
WK IK PH1	Max. 3.8 Nm		200	**9918470000**
WK IK PH2	Max. 5.5 Nm		200	**9918480000**

WK IK PZ



WK IK PZ0	Max. 9 Nm		200	**9918490000**
WK IK PZ1	Max. 3.8 Nm		200	**9918500000**
WK IK PZ2	Max. 5.5 Nm		200	**9918510000**

WK IK SL/PH

VDE-insulated interchangeable bits for VDE-insulated torque screwdriver



WK IK SL/PH1	Max. 3.8 Nm			**1318130000**
WK IK SL/PH2	Max. 5.5 Nm			**1318140000**



The Torque Screwty®
- Easier work
- Screw-on circular plug, safety sealed

The perfect tool for all situations

Screwty® is the ideal, universal tool for tightening and releasing cable glands on all common sensor and actuator cables. The Screwty® can also reach those round plugs normally considered inaccessible! No great force is required – simply turn the tool to tighten or release the plug-in connector as required.
The Screwty® also fits the majority (more than 90 %) of the cables and plug-in connectors of other suppliers and is therefore a unique tool useful throughout the world. The Screwty® consists of a handle with a conventional 1/4" fitting. This means it can be used for all sizes: for M12 and M8 round plugs, and the M12F and M8F types, also for plugs and sockets on custom cables.

The Screwty® is suitable for the following round plugs:

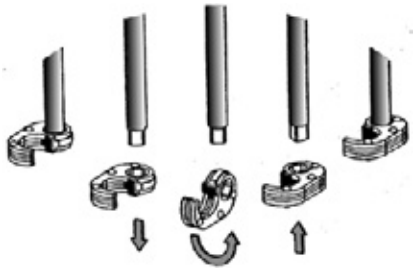
Size	M8	M8F	M12	M12F
	10 ±0,3 mm	11,9 ±0,3 mm	14,5 ±0,3 mm	19,8 ±0,3 mm
Thread	M8x1	M8x1	M12x1	M12x1

An adjustable torque fitting is also available for the Screwty® – for guaranteeing extra reliability during installation.
The torque can be infinitely adjusted between 0.5 and 1.7 Nm. This accurate setting enables all round plugs to be tightened precisely with a certain torque.

Weidmüller specifies the following torques for its round plugs:

Size	M8	M8F	M12	M12F
Torque	0,5-0,6 Nm	0,5-0,6 Nm	0,8-1,2 Nm	0,8-1,2 Nm
Thread	M8x1	M8x1	M12x1	M12x1

The Screwty® can also be fitted with other blades to create a torque screwdriver.



Simply turn the ratchet to tighten or loosen the cable gland.



Use of a M12 Screwty®

1. Position Screwty®
2. Tighten connector
3. Finished!



Use of a M23 Screwty®

Screwty® standard



Ordering data

Type	Use	Qty.	Order No.
Screwty® M12	moulded M12 lines	1	1900000000
Screwty® M8	moulded M8 lines	1	1900010000
Screwty® M12 F	M12 plugs for custom assembly	1	1900020000
Screwty® M8 F	M8 plugs for custom assembly	1	1900030000

Screwty® Set



Ordering data

Type		Qty.	Order No.
Screwty® Set		1	1910000000
Fittings			
Type	**Contents**		
Screwty® Set	1x Screwty® standard handle + 1 M12, M8, M12 F, M8 F attachments		

Screwty® attachments



Screwty® M8 attachment | **Screwty® M8 F attachment** | **Screwty® M12 attachment** | **Screwty® M12 F attachment** | **Screwty® M23 attachment**

Ordering data

Type	Qty.	Order No.
Screwty® M12 KO o. SD	1	1900100000
Screwty® M8 KO o. SD	1	1900110000
Screwty® M12F KO o. SD	1	1900120000
Screwty® M8F KO o. SD	1	1900130000
Screwty® M23 LS	1	1981560000

Legend:	
F	for custom assemblies
DM	torque
KO o. SD	ratchet only (attachment)
Screwty®	screwdriver
Screwty® DM	torque screwdriver, interchangeable blade
WK	interchangeable blade
LS	power plug

Screwty® with torque fitting

Setting aid for Screwty® with torque fitting (included)



Ordering data

Type	Use	Qty.	Order No.
Screwty®-M12-DM	moulded M12 lines with torque requirement	1	1900001000
Screwty®-M8-DM	moulded M8 lines with torque requirement	1	1900011000
Screwty®-M12 F-DM	M12 plugs, custom assembly with torque requirement	1	1900021000
Screwty®-M8 F-DM	M8 plugs, custom assembly with torque requirement	1	1900031000

Fittings	
Type	**Contents**
Screwty®-M12-DM	1 interchangeable blade, 1 torque handle, 1 setting aid for Screwty® torque, 1 Screwty® M12 attachment
Screwty®-M8-DM	1 interchangeable blade, 1 torque handle, 1 setting aid for Screwty® torque, 1 Screwty® M18 attachment
Screwty®-M12 F-DM	1 interchangeable blade, 1 torque handle, 1 setting aid for Screwty® torque, 1 Screwty® M12 F attachment
Screwty®-M8 F-DM	1 interchangeable blade, 1 torque handle, 1 setting aid for Screwty® torque, 1 Screwty® M18 F attachment

Screwty® Set-DM



Ordering data

Type		Qty.	Order No.
Screwty® Set-DM		1	1920000000
Fittings			
Type	**Contents**		
Screwty® Set-DM	1 interchangeable blade, 1 torque handle, 1 setting aid for Screwty® torque, 1 each of Screwty® M12, M8, M12 F, M8 F attachments		

Screwty® interchangeable handle/interchangeable bit



Ordering data

Type	Use	Qty.	Order No.
1/4" handle		1	4294820000
WK-1/4" (Screwty®)		1	1862200000

Cable gland tools

Screwing tool for all types of cable glands.

- Can tighten or loosen several rows of cable glands
- No deforming of the cable glands



FleCaFix 11/24

Cable gland tool



- Spanner size: 11 to 24 AF
- Infinite adjustment of spanner size
- Ratchet function: not necessary to remove tool between turns
- Authentic one-hand tool

FleCaFix 24/36

Cable gland tool



- Spanner size: 24 to 36 AF
- Infinite adjustment of spanner size
- Ratchet function: not necessary to remove tool between turns
- Authentic one-hand tool

Technical data

Tool data			
Length / Width / Height	mm	190 / 30 / 60	204 / 30 / 60
Weight	g	190	240
AF size	-	11 - 24mm	24 - 36 mm
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	FLECAFIX 11/24	1	**9015900000**	FLECAFIX 24/36	1	**9015980000**
Note						

Screwdriver with cutting adapter

For the pinch-free cutting of copper cable.

- Solid up to 1.5 mm²
- Flexible up to 2.5 mm²

swifty®



swifty®

- cable cutter which fits onto uninsulated screwdrivers, with a blade diameter of 3.5 mm
- Minimal hand force required
- Cutter opens automatically
- Ergonomic handle design

swifty®set

- Logical operation
- Only one tool for cable processing in IDC technology
- Can be used for screw and tension clamp terminals
- Pocket format - always ready to hand
- Suitable for right- and left-hand use
- One-handed operation

swifty®set



Technical data

Max. cutting performance, copper cable		
Copper cable - solid, max.	mm²	1.5
Copper cable - flexible, max.	mm²	2.5
Tool data		
Length / Width / Height	mm	35 / 18 / 40
Weight	g	20
Note		

Ordering data

Version
Without screwdriver
Note

Type	Qty.	Order No.
SWIFTY	1	**9006020000**

Typ	VPE	Order No.
swifty®set (with screwdriver)	1	**9006060000**
Screwdriver (SD 0,6 3,5x100)	1	**9008330000**

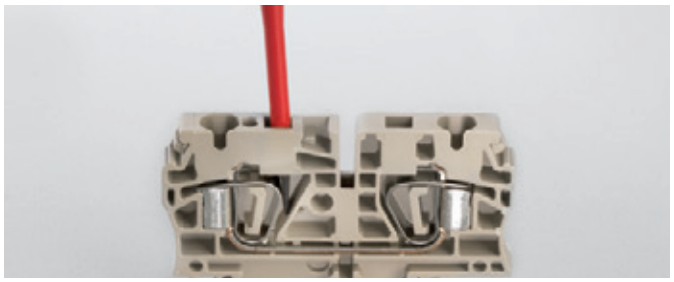
SlimLine screwdriver

VDE insulated screwdriver with thin blade

The SlimLine screwdriver design allows you to reach deeply inset fittings and tension clamp terminals which cannot normally be reached using a standard VDE screwdriver. The SlimLine screwdrivers can be used for Weidmüller's Z-series of terminal blocks. The tools have an ergonomically designed grip so that they can be used without causing pain or stress. The SoftFinish® zone delivers excellent feel, ensures electrical safety and is easy on your hands.



A blade that is up to 33 % thinner



The moulded protective insulation, applied directly to the shaft ensures safety and protection during critical applications at levels of up to 1,500 V (DC) or 1,000 V (AC).

Ergonomic design



The ergonomic grip design makes for a comfortable screwing process and excellent handling. The SoftFinish® zone prevents the tool from slipping away and thus makes higher torques possible.

Security



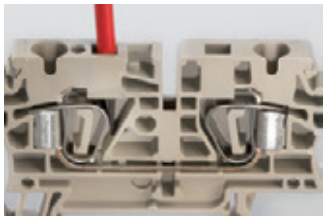
The moulded protective insulation, applied directly to the shaft ensures safety and protection during critical applications at levels of up to 1,500 V (DC) or 1,000 V (AC).

SlimLine screwdriver insulated acc. to VDE specs

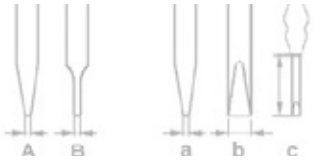
VDE-insulated screwdriver, for working on live parts up to 1,000 V AC and 1,500 V DC. DIN EN 60900, IEC 900, Safety tested „GS“, each piece tested. The bit is made from fully-hardened, high-allow, chromium-vanadium-molybdenum steel with a gun-metal finish.

A blade that is up to 33 % thinner

The SlimLine design allows you to reach deeply inset fittings and tension clamp terminals.

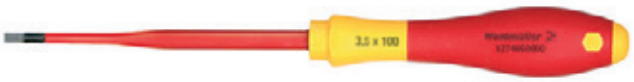






SDI SL S

VDE insulated slot-head screwdriver, SDI SL DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish® grip



Type	Blade type	Size / AF	a	b	c	Order No.
SDIS SL 0.6X3.5X100			0.6	3.5	100	**1274660000**
SDIS SL 0.8X4.0X100			0.8	4	100	**1274670000**
SDIS SL 1.0X5.5X125			1	5.5	125	**1274680000**
SDIS SL 1.2X6.5X150			1.2	6.5	150	**1274690000**

SDIK SL PH

VDE-insulated crosshead screwdriver, Phillips type, SDIK PH DIN 7438, ISO 8764/2-PH, output acc. to ISO 8764-PH, SoftFinish® grip



SDIK PH1 SL	size PH1			80	**1274710000**
SDIK PH2 SL	Gr. PH2			100	**1274720000**

SDIK SL PZ

VDE-insulated crosshead screwdriver Pozidrive type, SDIK SL PZ DIN 7438, ISO 8764/2-PZ, output acc. to ISO 8764-PZ, SoftFinish® grip



SDIK PZ1 SL	size PZ1			80	**1274730000**
SDIK PZ2 SL	Gr. PZ2			100	**1274740000**

SDIS SL 2.5-5.5/PH/1/2

6-part set: VDE insulated slotted and crosshead PH screwdriver set



SDIS SL 0.6X3.5X100		0.6	3.5	100	
SDIS SL 0.8X4.0X100		0.8	4	100	
SDIS SL 1.0X5.5X125		1	5.5	125	
SDIS SL 1.2X6.5X150		1.2	6.5	150	
SDIK PH1 SL	size PH1			80	
SDIK PH2 SL	Gr. PH2			100	
SDI SL S3.5-6.5/PH1/2					**1274750000**

Screwdrivers

Weidmüller screwdrivers come in four different grip sizes, and are the result of a consistent grip concept which takes into account both the human hand and the different work requirements and conditions.

- Perfect handling with all grip sizes
- Maximum torques
- Optimum transmission of axial force
- Complete range including all commercial sizes



SoftFinish® grip



Weidmüller's SoftFinish® grip zone for use in dry conditions and for general applications offers customers a complete range of screwdrivers that enables far higher torques as well as substantially more comfort due to the soft material of the grip.

Product benefits:

- Made of an especially soft material, which is kind to the skin, the SoftFinish® zone enables maximum torques
- Perfect ergonomic grip design for comfortable screw driving and optimum handling
- You can choose from long-life extremely stressable blades in standard sizes
- ChromTop blade tip offers maximum corrosion protection and greatest possible dimensional accuracy of the blade geometry in the screw head over many years

SoftFinish® electric



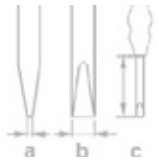
VDE-insulated screwdriver according to DIN EN 60900, IEC 900 for work on live equipment

Product benefits:

- The protective insulation moulded directly on the screwdriver blade ensures electrical safety, even in critical applications
- Safe for working at up to 1,500 volts DC and 1,000 volts AC
- Each screwdriver is individually tested in a water bath at 10,000 volts according to DIN EN 60900
- Perfect ergonomic grip design for comfortable screw driving and optimum handling
- Made of special soft material which is kind to the skin, the SoftFinish® zone prevents slipping in critical situations and at the same time enables maximum torques

VDE-insulated screwdriver

VDE-insulated screwdriver, for working on live parts up to 1000 VAC and 1500 VDC, DIN EN 60900, IEC 900.
Safety tested „GS", each piece tested. Bit made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.



SDI S

Slot-head screwdriver, insulated according to VDE spec., SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1, SoftFinish®grip



Type	Blade type	Size / AF	a	b	c	Order No.
SDIS 0.4X2.0X60	A		0.4	2	60	9205690000
SDIS 0.4X2.5X75	A		0.4	2.5	75	9008370000
SDIS 0.5X3.0X100	B		0.5	3	100	9008380000
SDIS 0.6X3.5X100	B		0.6	3.5	100	9008390000
SDIS 0.8X4.0X100	B		0.8	4	100	9008400000
SDIS 1.0X4.5X125	B		1	4.5	125	9008910000
SDIS 1.0X4.5X175	B		1	4.5	175	9205700000
SDIS 1.0X5.5X125	B		1	5.5	125	9008410000
SDIS 1.0X5.5X175	B		1	5.5	175	9205710000
SDIS 1.2X6.5X150	B		1.2	6.5	150	9008420000
SDIS 1.6X8.0X175	B		1.6	8	175	9008430000

SDIK PH

Phillips, SDIK PH crosshead screwdriver, insulated according to VDE spec. DIN 7438, ISO 8764/2-PH, drive output acc. to ISO 8764-PH, SoftFinish®grip



SDIK PH0					60	9008560000
SDIK PH1					80	9008570000
SDIK PH2					100	9008580000
SDIK PH3					150	9008590000

SDIK PZ

Phillips, SDIK PH crosshead screwdriver, insulated according to VDE spec. DIN 7438, ISO 8764/2-PH, drive output acc. to ISO 8764-PH, SoftFinish®grip



SDIK PZ1					80	9008900000
SDIK PZ2					100	9008890000

SDI SL / PH

VDE-insulated plus-minus screwdriver, Phillips, SDI SL/PH SoftFinish®®grip



SDI SL/PH 1						1318330000
SDI SL/PH 2		Gr. PZ2			100	1318340000

SDIZ

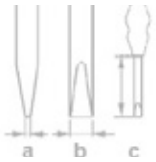
Slot-head screwdriver, insulated according to VDE spec., SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1, SoftFinish®grip



SDIZ 0.6X3.5X100			0.6	3.5	100	9008450000
SDIZ 0.8X4.0X100			0.8	4	100	9008460000
SDIZ 0,8X5,5 150/248			0.8	5.5	150	9008640000

VDE-insulated screwdriver

VDE-insulated screwdrivers, for working on live parts up to 1000 VAC and 1500 VDC, DIN EN 60900, IEC 900. Safety tested „GS“, each piece tested. Blade/bit made from fully hardened, high-alloy chromium-vanadium molybdenum steel, gun-metal finish.



SDIS 2.5-5.5/PH/1/2

6-part set: VDE insulated slotted and crosshead PH screwdriver set



Type	Blade type	Size / AF	a	b	c	Order No.
SDIS 0.4X2.5X75	A		0.4	2.5	75	
SDIS 0.5X3.0X100	B		0.5	3	100	
SDIS 0.8X4.0X100	B		0.8	4	100	
SDIS 1.0X5.5X125	B		1	5.5	125	
SDIK PH1					80	
SDIK PH2					100	
SDI Set S2.5-5.5/PH1/2						**9009730000**

SDIS 2.5-5.5/PZ/1/2



SDIS 0.4X2.5X75	A		0.4	2.5	75	
SDIS 0.5X3.0X100	B		0.5	3	100	
SDIS 0.8X4.0X100	B		0.8	4	100	
SDIS 1.0X5.5X125	B		1	5.5	125	
SDIK PZ1					80	
SDIK PZ2					100	
SDI Set S2.5-5.5/PZ1/2						**1128540000**

SDIS 2.0-5.5

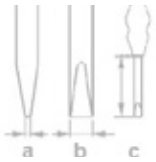
6-part set: VDE-insulated slotted screwdriver set



SDIS 0.4X2.0X60	A		0.4	2	60	
SDIS 0.4X2.5X75	A		0.4	2.5	75	
SDIS 0.5X3.0X100	B		0.5	3	100	
SDIS 0.6X3.5X100	B		0.6	3.5	100	
SDIS 0.8X4.0X100	B		0.8	4	100	
SDIS 1.0X5.5X125	B		1	5.5	125	
SDI Set S2.0-5.5						**9205550000**

Uninsulated screwdriver

Weidmüller SoftFinish®screwdriver for general applications.Bit made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, matt-chrome finish.



SD S

Slotted screwdriver with rounded blade, SD DIN 5265, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1, ChromTop tip, SoftFinish®grip



Type	Blade type	Size / AF	a	b	c	Order No.
SDS 0.4X2.0X60	B		0.4	2	60	9037160000
SDS 0.4X2.5X75	A		0.4	2.5	75	9009030000
SDS 0.5X3.0X80	A		0.5	3	80	9008320000
SDS 0.6X3.5X100	A		0.6	3.5	100	9008330000
SDS 0.6X3.5X200	A		0.6	3.5	200	9010110000
SDS 0.8X4.0X100	A		0.8	4	100	9008340000
SDS 0.8X4.5X125	A		0.8	4.5	125	9009020000
SDS 1.0X5.5X150	A		1	5.5	150	9008350000
SDS 1.2X6.5X150	A		1.2	6.5	150	9009010000

SDK PH

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, drive output acc. to ISO 8764-PH, chrome top tip, SoftFinish®®grip



SDK PH0				3	60	9008470000
SDK PH1				4.5	80	9008480000
SDK PH2				6	100	9008490000
SDK PH3				8	150	9008500000

SDK PZ

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, drive output acc. to ISO 8764-PZ, chrome top tip, SoftFinish®®grip



SDK PZ1				4.5	80	9008530000
SDK PZ2				6	100	9008540000
SDK PZ3				8	150	9008550000

SD TH

Torx® TH screwdriver with hole in tip of blade (tamper-resistant), SD TH for screwing Torx® and Torx®TH security screws (pin in centre of Torx® recess), ChromTop tip, SoftFinish®grip



SD TH10		10	4	80	9009180000
SD TH15		15	4	80	9009170000
SD TH20		20	4	100	9009160000

SK

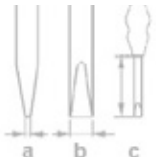
Hexagonal key, SK DIN 3125, drive output acc. to DIN 475/2, SoftFinish®®grip



SK 10,0x125						9009070000

Uninsulated screwdriver

Weidmüller SoftFinish®screwdriver for general applications.Bit made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, matt-chrome finish.



Set S 2.5/3.0/4.0/5.5/PH 1/2

6-part set: slotted and crosshead PH screwdriver set with circular blades



Type	Blade type	Size / AF	a	b	c	Order No.
SDS 0.4X2.5X75	A		0.4	2.5	75	
SDS 0.5X3.0X80	A		0.5	3	80	
SDS 0.8X4.0X100	A		0.8	4	100	
SDS 1.0X5.5X150	A		1	5.5	150	
SDK PH1				4.5	80	
SDK PH2				6	100	
SD Set S2.5-5.5/PH1/2						**9009740000**

Set S 2.0/2.5/3.0/3.5/4.0/5.5

6-part set: slotted screwdriver set



SDS 0.4X2.0X60	B		0.4	2	60	
SDS 0.4X2.5X75	A		0.4	2.5	75	
SDS 0.5X3.0X80	A		0.5	3	80	
SDS 0.6X3.5X100	A		0.6	3.5	100	
SDS 0.8X4.0X100	A		0.8	4	100	
SDS 1.0X5.5X150	A		1	5.5	150	
SD Set S2.0-5.5						**9205560000**

SD TO 0,6x3,0

Angled slotted screwdriver with round handle, SoftFinish®®grip



SD TO 0,6X3,0	A		0.6	3	70	**1323880000**

Weidmüller wrench set

Socket wrench manufactured from through-hardened chromium-vanadium steel, manufactured according to DIN ISO 2936 L (DIN 911), high-quality finished surface.

SK WSD S

9-piece offset screwdriver set in the Prostar, with MagicRing:
tightly holds standard screws in any position thanks to its spring steel ring (up to size 3), with ball head for screwing up to an angle of 25°.





Type	Size / AF	a	b	c	Order No.
	1.5				
	2				
	2.5				
	3				
	4				
	5				
	6				
	8				
	10				
SK WSD-S 1,5-10,0					**9008850000**

SK S

7-piece Allen key set





SKS 2,0-8,0					**9008860000**

SK S MR

7-piece Allen key set with ball head and MagicRing: holds standard screws (size 3 and larger) in any position thanks to its spring steel ring,
with ball head for screwing up to an angle of 25°.





SKS 2,0-8,0 MR					**9008870000**

TH S

8-piece Torx®-TH Allen key set with hole in the bit tip (tamper-resistant), for screwing Torx® and Torx®-TH security screws (pin in centre of Torx® recess)

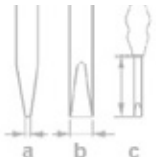




TH-S 9-40					**9008880000**

Weidmüller wrench set

Weidmüller SoftFinish® screwdriver for general applications.
Bit made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, matt-chrome finish.



System 11+1 S-PH-PZ-SK

12-piece set with interchangeable bits for slotted, cross-head PH/PZ and hexagon head screws, SoftFinish® grip





Type	Size / AF	a	b	c	Order No.
SD					
SD					
SD					
SD					
PH 1					
PH 2					
PZ 1					
PZ 2					
SK					
SK					
SK					
SYSTEM 11+1				140	**9009750000**

IS 4 / IS 6 / IS 8

Wrench with pegged pilot tip



Hexagon screwdriver with cross-grip made from high-quality plastic

- Nickel-plated surface
- Made from hardened chromium-vanadium steel
- Manufactured according to DIN 6911
- Designed for screws acc. to DIN 6912

	IS4	IS6	IS8
c	60 mm	80 mm	90 mm
Weight	27 g	61 g	89 g

Ordering data

Type	Qty.	Order No.
IS 4 DIN 6911	1	0485100000
IS 6 DIN 6911	1	0407900000
IS 8 DIN 6911	1	0235000000

IS 2 KG / IS 3 KG / IS 4 KG

Socket wrench



Hexagon screwdriver with cross-grip made from high-quality plastic

- Nickel-plated surface
- Made from hardened chromium-vanadium steel
- Manufactured according to DIN 6911
- Designed for screws acc. to DIN 6912

	IS 3 KG	IS 4 KG
c	100 mm	100 mm
Weight	32 g	32 g

Ordering data

Type	Qty.	Order No.
IS 3 KG	1	1806650000
IS 4 KG	1	1806660000

SDQ T15 / SDQ T20 / SDQ T40

Socket wrench, Torx®



Torx®screwdriver with cross-grip made from high-quality plastic

- Matt-chrome surface finish
- Made from hardened chromium-vanadium steel

	SDQ T15	SDQ T20	SDQ T40
c	100 mm	100 mm	100 mm
Weight	32 g	32 g	32 g

Ordering data

Type	Qty.	Order No.
SDQ T15	1	1318390000
SDQ T20	1	1318400000
SDQ T40	1	1318410000

Cross-Key Master

Universal key

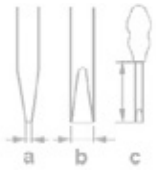


1.0 x 7 mm | PH 2

5 mm
7 mm | 12 mm
9 mm | 13.5 mm
8 mm | 13.5 mm
4 mm | 10 mm

- With bit holder and reversible bit (drives - refer to symbols)
- Material: diecast zinc
- Dimensions: 62 x 90 mm

Application:
For almost all technical locking systems in buildings including: doors, window handles, radiator bleed valves, sanitary installations, HVAC, gas and water supply.



Ordering data

Type	Qty.	Order No.
CROSS-KEY MASTER	1	**9918150000**

Cross-Key Universal

Universal electrical cabinet key

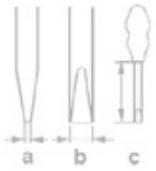


1.0 x 7 mm | PH 2

5 mm
6 mm | 11.5 mm
9 mm | 13.5 mm
7-8 mm | 13.5 mm
3-5 mm | 9 mm

- With bit holder and reversible bit (drives - refer to symbols)
- Material: diecast zinc
- Dimensions: 72 x 72 mm

Application:
For locking systems used in electrical engineering, fits all standard electrical cabinet locks.



Ordering data

Type	Qty.	Order No.
CROSS-KEY UNIVERSAL	1	**9918130000**

Cross-Key Universal S

Universal mini electrical cabinet key

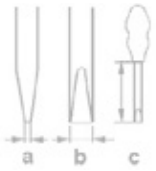


1.0 x 7 mm | PH 2

6 mm | 11.5 mm
9 mm | 13.5 mm
8 mm | 13.5 mm
5 mm | 9 mm

- With bit holder and reversible bit (drives - refer to symbols)
- Material: diecast zinc
- Dimensions: 42 x 42 mm

Application:
For locking systems used in electrical engineering, fits all standard electrical cabinet locks.



Ordering data

Type	Qty.	Order No.
CROSS-KEY UNIVERSAL S	1	**9918140000**

Measuring / Testing

Measuring / Testing	Introduction	G.2
	Overview	G.4
	Digital voltage testers	G.6
	2-pole voltage tester	G.8
	Overview of digital multimeters	G.12
	Digital multimeters	G.13
	Digital multimeters and current-measuring clamp-on attachment	G.14
	Digital multimeter / Digital clamp-on measuring device	G.15
	Accessories	G.16
	Cable tester	G.17
	Non-contact magnetic field and voltage tester	G.18

Measuring / Testing

Testing plays a crucial role in setting up, maintaining and repairing electrical installations and devices. You should apply and adhere to the accident prevention and safety regulations relevant to your installation, which call for repeat tests after modifications and maintenance work, in addition to the tests required before using the installation for the first time.

The person responsible for setting up the installation is required to check that the installation or individual components function perfectly. They must also ensure their compliance with the technological regulations, in particular the VDE regulations and technical connection requirements (TAB) issued by the power supply companies. It is also important to check that all precautionary measures are taken to prevent extremely excessive contact voltage work and in order to guarantee and comply with the necessary safety standards. Using voltage and continuity testers from Weidmüller ensures that all tests are performed according to the relevant regulations.

Testing is very important during the setup, maintenance and repair of electrical facilities and equipment. You can conduct your tests properly with Weidmüller's voltage and continuity testers. All of our devices comply with all of the relevant standards.



Overview of applications and testing functions

6 V – 6 V voltage test – e.g. models	400 V – 400 V voltage test – 3-phase voltage systems	? – Semiconductor check
12 V – 12 V voltage test – e.g. car batteries	3 - 48 V DC – 3-48 V measuring range	? FI – Load connection
24 V – 24 V voltage test – e.g. HGV batteries	Plug-in test probe	L3 L1 L2 – Phase sequence check
50 V – 50 V – limit of the dangerous voltage range for the human body	Car Check	? – Continuity check
120 V – 120 V voltage test – customary voltage in some countries, e.g. USA	Test probe illumination	
230 V – 230 V/240 V voltage test – customary voltage in the majority of European countries	Polarity check	





2-pole voltage testers
The main purpose of the voltage tester is to check the presence or absence of a voltage. The 2-pole voltage tester is an approved testing instrument that satisfies the requirements of the Industrial Safety Act.



Digital multimeters
Multimeters are able to measure a number of different parameters. The measuring options for voltage and resistance, plus continuity testing and the diode test are available on every instrument as standard.



Digital clamp-on meters
Digital clamp-on meters and clamp-on meter attachments and adapters are used for measuring AC and DC currents. The important advantage of these devices is that the measurements can be undertaken without interrupting the flow of current.



Network tester
Network testers enable you to make quick cabling tests and quick diagnoses of cabling errors.

Overview

Technical specification

Type designation	Digi Check Pro	Digi Check	Multi Check	Combi Check Pro	Combi Check	Master Check	LSP 4L	LSP 4B	Volt Check	Car Check
Page number	G.6	G.6	G.7	G.8	G.8	G.9	G.10	G.10	G.11	G.11
Order No.	9918870000	9918850000	9918920000	1279330000	9918860000	9918880000	9205050000	9205060000	9918950000	9918970000
Rated voltage range	0,3 - 690 V AC/DC	0,3 - 690 V AC/DC	5 - 500 V AC/DC	6 - 690 V AC/DC	6 - 690 V AC/DC	6 - 400 V AC/DC	12 - 690 V AC/DC	12 - 690 V AC/DC	6 - 400 V AC/DC	3 - 48 V DC
Display	digital LCD	digital LCD	digital LCD	LED	LED	LED	LED	LED	LED + reflector	LED
< 6 V	x	x	x							x
6 V	x	x	x	x	x	x			x	3-48 V
12 V	x	x	x	x	x	x	x			
24 V	x	x	x	x	x	x	x	x		
50 V	x	x	x	x	x	x	x	x	x	
120 V	x	x	x	x	x	x	x	x	x	
230 V	x	x	x	x	x	x	x	x	x	
400 V	x	x	x	x	x	x	x	x	x	
690 V	x	x		x	x			x		
Polarity (+/-)	x	x	x	x	x	x	x	x	x	x
Continuity test	x	x	x	x	x	x	x	x		
Single-pole phase test	x	x	x	x	x		x	x		
One-hand testing	x	x	x	x	x	x				
Illuminated measuring probes	x	x		x	x					
HOLD function	x	x	x							
Phase sequence indicator	x			x	x		x	x		
Switchable load	x			x						
30 mA RCD triggering via a button	x			x						
Power supply	2 x 1,5 V AAA	2 x 1,5 V AAA	2 x 1,5 V AAA	2 x 1,5 V AAA	2 x 1,5 V AAA	2 x 1,5 V AAA	rechargeable battery	rechargeable battery		
Order no., battery	9201310000	9201310000	9201310000	9201310000	9201310000	9201310000				
Order no., case	9201520000	9201520000	9201520000	9201520000	9201520000	9201520000	9201520000	9201520000	9201520000	9201520000
Order no., spare battery cover		1332410000	1332410000	1332410000	1332410000	1332410000				
Order no., spare test probe protectors	1332420000	1332420000	1332420000	1332420000	1332420000	1332420000				

Safety features										
Category	CAT IV – 400 V CAT III – 690 V	CAT IV – 400 V CAT III – 690 V	CAT IV – 400 V CAT III – 690 V	CAT IV – 400 V CAT III – 690 V	CAT IV – 400 V CAT III – 690 V	CAT IV – 400 V CAT III – 690 V	CAT IV	CAT IV		
Peak resistance voltage	8 kV	8 kV	8 kV	8 kV	8 kV	8 kV	12 kV	12 kV	5 kV	
Standard	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE0682 Part 401	VDE 0411 Part 031	
EN/IEC standard	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3: 2010-10	EN/ IEC 61243-3	EN/ IEC 61243-3	EN/IEC 61010 - 031	
Dimensions	287 x 68 x 23	287 x 68 x 23	287 x 68 x 23	287 x 68 x 23	287 x 68 x 23	287 x 68 x 23	231 x 48 x 37	231 x 48 x 37	190 x 25 x 19	137 x 21 x 18
Weight	290 g	290 g	290 g	290 g	290 g	290 g	170 g	170 g	70 g	57 g
Protection class	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 40	
Operating temperature	-15 °C...+45 °C	-15 °C...+45 °C	-15 °C...+45 °C	-15 °C...+45 °C	-15 °C...+45 °C	-15 °C...+45 °C	-10 °C...+55 °C	-10 °C...+55 °C	-10 °C...+50 °C	-10 °C...+50 °C

Digi-Check Pro



German Design Award WINNER 2013

Digi-Check



Multi-Check



Combi-Check Pro



Combi-Check



Master-Check



LSP 3 - 400 V



LSP 3 - 690 V



Car-Check



Volt-Check 3.1



Digital voltage testers

- LCD display including bar chart
- One-hand testing is possible
- Test probe protection
- Continuity test
- Low-battery indicator
- HOLD function
- Backlit
- Polarity detection
- Single-pole phase test is possible
- Battery included
- Battery compartment opener included
- Large display
- Light sensor
- IP 65

Digi-Check Pro

Digital voltage tester



- Test probe illumination
- Selectable load for residual current testing
- Phase sequence indicator
- Frequency measurement
- Buzzer included
- Case included



Digi-Check

Digital voltage tester



- Test probe illumination
- Frequency measurement
- Buzzer included
- Battery compartment opener included
- Battery included



Technical data

	DIGI CHECK PRO	DIGI CHECK
Nominal voltage	0.30 V...690 V AC/DC	0.30 V...690 V AC/DC
Input resistance, voltage	On operating the double switch ≥ 300 kΩ	≥ 300 kΩ
Peak voltage resistance	8 kV	8 kV
Frequency range, min.	0...100 Hz	0...100 Hz
Measuring range category	CATIV - 400V/ CAT III - 690V	CATIV - 400V/ CAT III - 690V
Display	LCD	LCD
Operating temperature, min.	-15...45 °C	-15...45 °C
Protection degree	IP 65	IP 65
Approvals	EN/IEC 61243-3 :2010-10 (VDE 0682 Part 401)	EN/IEC 61010-1
Weight	290 g	290 g
Note	Buzzer included	Buzzer included

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	DIGI CHECK PRO	1	**9918870000**	DIGI CHECK	1	**9918850000**
	Digi Check Pro 2MM	1	**9201580000**	Digi Check 2MM	1	**9201590000**
Note	Protective case included					

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	SKAI TASCHE	1	**9201520000**	SKAI TASCHE	1	**9201520000**
	BATTERIE 1,5V MICRO	2	**9201310000**	BATTERIE 1,5V MICRO	2	**9201310000**
	PRSPSU	1	**1332420000**	PRSPSU	1	**1332420000**
Note						

Multi-Check

Digital voltage tester





MULTI CHECK
0.30 V...500 V AC/DC
≥ 300 kΩ
8 kV
0...100 Hz
CATIV - 400V/ CAT III - 500V
LCD
-15...45 °C
IP 65
EN/IEC 61243-3 :2010-10 (VDE 0682 Part 401)
290 g

Type	Qty.	Order No.
MULTI CHECK	1	**9918920000**
Multi Check 2MM	1	**9201570000**

Type	Qty.	Order No.
SKAI TASCHE	1	**9201520000**
BATTERIE 1,5V MICRO	2	**9201310000**
PRSPSU	1	**1332420000**

2-pole voltage tester

- Automatic testing, identification and display of voltage type (AC or DC) and polarity
- Concisely arranged LED display
- Phase testing relative to earth
- Polarity testing
- Continuity and semiconductor testing
- Touch protection because of high input resistance
- Large voltage range
- IP65

Combi-Check Pro

2-pole voltage tester



- Phase sequence indicator
- Single-pole phase testing
- Selectable load for residual current testing
- Buzzer included
- Battery compartment opener included
- Batteries included



Combi-Check

2-pole voltage tester



- Phase sequence indicator
- Single-pole phase testing
- Buzzer included
- Battery compartment opener included
- Batteries included



Technical data

	COMBI CHECK PRO	COMBI CHECK
Nominal voltage	6 V...690 V AC/DC	6 V...690 V AC/DC
Input resistance, voltage	On operating the double switch ≥ 300 kΩ	
Peak voltage resistance	8 kV	8 kV
Frequency range, min.	0...100 Hz	0...100 Hz
Measuring range category	CATIV - 400V/ CAT III - 690V	CATIV - 400V/ CAT III - 690V
Display	LED	LED
Operating temperature, min.	-15...45 °C	-15...45 °C
Protection degree	IP 65	IP 65
Approvals	EN/IEC 61243-3 :2010-10 (VDE 0682 Part 401)	
Weight	290 g	290 g
Note	Buzzer included	Buzzer included

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	COMBI CHECK PRO	1	**1279330000**	COMBI CHECK	1	**9918860000**
	COMBI CHECK PRO 2MM	1	**1279550000**	Combi Check 2MM	1	**9204230000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	SKAI TASCHE	1	**9201520000**	SKAI TASCHE	1	**9201520000**
	BATTERIE 1,5V MICRO	2	**9201310000**	BATTERIE 1,5V MICRO	2	**9201310000**
	PRSPSU	1	**1332420000**	PRSPSU	1	**1332420000**
Note						

Master-Check

2-pole voltage tester



- Battery compartment opener included
- Batteries included



MASTER-CHECK
6 V...400 V AC/DC
8 kV
0...100 Hz
CATIV - 400V/ CAT III - 400V
LED
-15...45 °C
IP 65
EN/IEC 61243-3 (VDE 0682 Part 401)
290 g

Type	Qty.	Order No.
MASTER CHECK	1	**9918880000**
Master Check 2MM	1	**9201260000**

Type	Qty.	Order No.
SKAI TASCHE	1	**9201520000**
BATTERIE 1,5V MICRO	2	**9201310000**
PRSPSU	1	**1332420000**

2-pole voltage tester

- Automatic testing, identification and display of voltage type (AC or DC) and polarity
- Clear display
- Phase testing relative to earth
- Polarity testing
- Continuity testing and semiconductor testing
- Touch-safety due to high input resistance
- Large voltage range

LSP 4L

2-pole voltage tester



- Maintenance free - without battery
- Integrated Lithium battery
- Surge-proof up to 8 kV
- Phase sequence indicator

LSP 4B

2-pole voltage tester



- Maintenance free - without battery
- Integrated Lithium battery
- Surge-proof up to 8 kV
- Phase sequence indicator

Technical data

	LSP 4L	LSP 4B
Nominal voltage	12 V AC/DC...690 V AC/DC	12 V AC/DC...690 V AC/DC
Input resistance, voltage		
Peak voltage resistance	8 kV	8 kV
Frequency range, min.	0...500 Hz	0...500 Hz
Measuring range category	CAT IV – 600V/ CAT III – 690V	CAT IV – 600V/ CAT III – 690V
Display	digital	digital
Operating temperature, min.	-15...45 °C	-15...45 °C
Protection degree	IP 65	IP 65
Approvals	EN/IEC 61243-3 :2010-10 (VDE 0682 Part 401)	EN/IEC 61243-3 (VDE 0682 Part 401)
Weight	170 g	170 g
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	LSP 4L	1	**9205050000**	LSP 4B	1	**9205060000**
Note						

2-pole voltage tester

Car-Check

2-pole voltage tester for cars



- Test probe
- Pin with sliding mechanism
- Cable length 130 cm
- Polarity detection

Volt-Check 3.1

2-pole voltage tester



- LED indicator for voltage and phase
- Polarity detection

Technical data

	CAR-CHECK	Volt-Check 3.1
Nominal voltage	3 V DC...48 V DC	6 V AC/DC...400 V AC/DC
Input resistance, voltage		
Peak voltage resistance		5 kV
Frequency range, min.		0...100 Hz
Display	LED	LED
Operating temperature, min.	-10...50 °C	-10...50 °C
Protection degree		IP 40
Approvals		EN/ IEC 61010
Weight	57 g	70 g
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CAR-CHECK	1	**9918970000**	Volt-Check 3.1	1	**9918950000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	SKAI TASCHE	1	**9201520000**	SKAI TASCHE	1	**9201520000**
Note						

Overview of digital multimeters

Technical data

	Temphaser	125S	1037	2606	MG Kit CA 600
Page number	Page G.13	Page G.13	Page G.15	Page G.15	Page G.14
Order No.	**9427300000**	**9425830000**	**9423580000**	**9427370000**	**9427460000**
Measurement range					
• DC voltage	0.2 – 600 V	0.32 – 600 V	0.2 – 1,000 V	0.4 – 1,000 V	0.2 – 600 V
• AC voltage	0.2 – 600 V	0.32 – 600 V	0.2 – 750 V	0.4 – 750 V	0.2 – 600 V
• DC current				up to 1,000 A	0 – 600 A
• AC current			up to 200 A**	up to 1,000 A	0 – 600 A
• Resistance	up to 2,000 MΩ	up to 30 MΩ	up to 200 kΩ	up to 40 MΩ	up to 2,000 MΩ
• Capacitance	20 µF – 20 mF		up to 200 µF	4 nF – 40 µF	20 µF – 20 mF
• Frequency	10 Hz – 40 kHz			0.1 – 400 kHz	10 Hz – 40 kHz
• Temperature	-20 °C to +750 °C				-20 °C to +750 °C
Continuity test	x	x	x	x	x
Diode test	x	x	x	x	x
Phase sequence test	x				x
Selection of measuring range	manual	automatic	manual	automatic/manual	manual
HOLD function			x	x	
MAX/MIN function			x	x	
PEAK measurement				x	
Opening width of pliers			23 mm	57 mm	30 mm
Standard	EN/IEC 61010-1	EN/IEC 61010-1	EN/IEC 61010-1	EN/IEC 61010-1	EN/IEC 61010-1
Measurement range category	CAT III 600 V	CAT III 600 V	CAT III 1,000 V	CAT III 1,000 V	CAT III 600 V
Dimensions in mm	147 x 70 x 39	147 x 70 x 39	214,5 x 66 x 44	277 x 102 x 49	178 x 70 x 33

Accessories

Power supply	9 V battery	9 V battery	9 V battery	9 V battery	9 V battery
Order no., battery	**9004810000**	**9004810000**	**9004810000**	**9004810000**	**9004810000**
Accessories (included)	2 x Test wires with test probe 1 x Test wire with alligator clip 2 x Alligator clip 1 x Temperature probe 1 x Belt clip 1 x Spare fuse	2 x Test wires with test probe 1 x Belt clip	2 x Test wires 2 x Short test probe 2 x Long test probe 2 x Test wire with alligator clip, thin 2 x Test wire with alligator clip, wide 1 x Pliers adapter 1 x Carry case	2 x Test wires with test probe 1 x Carry case	2 x Test wires with test probe 1 x Test wire with alligator clip 2 x Alligator clip 1 x Temperature probe 1 x Belt clip 1 x Spare fuse 1 x Portable case
Order No. Accessories test wires	**9205260000** (without temperature probe)	**9205270000**	**9205460000** (without pliers adapter)	**9205270000**	**9205260000** (without temperature probe)

**when connected with pliers adapter* acc. to EN 61243-3, in all low-voltage systems up to 1,000 V

Digital multimeters

- Measures voltages up to 600 V
- Resistance measurement and semiconductor test
- Battery status display

Temphaser

Temphaser



- Voltage and resistance measurements
- Capacitance and frequency measurements
- Temperature measurement (including temp. probe)
- Phase sequence measurement



Multimeter 125S

Digital multimeter



- Voltage and resistance measurements
- Automatic measuring range selection



Technical data

	TEMPHASER	MULTIMETER 125S
DC voltage measuring range	0.2 - 600 V	0.32 - 600 V
Resolution of DC voltage		
AC voltage measuring range	0#2 - 600 V	0#32 - 600 V
Resolution of AC voltage		
Resistance measuring range	0.2...2000 MΩ	0.32...30 MΩ
Measured capacitance value, min.	20...20 mF	
Frequency range, min.	10...40 kHz	0...100 Hz
Temperature measuring range	-20...750 °C	
Operating temperature, min.	0...50 °C	0...50 °C
Approvals	EN/IEC 61010-1	EN/IEC 61010-1
Weight	340 g	323 g
Note		

Ordering data

Version	Type	Qty.	Order No.
	TEMPHASER	1	9427300000
Note			

Type	Qty.	Order No.
MULTIMETER 125S	1	9425830000

Accessories

	Type	Qty.	Order No.
	ZUB TEMPHASER	1	9205260000
	BLOCKBATTERIE 9V	1	9004810000
Note	Delivered without temperature probe		

Type	Qty.	Order No.
ZUB MULTIMETER	1	9205270000
BLOCKBATTERIE 9V	1	9004810000
Delivered without belt clip		

Digital multimeters and current-measuring clamp-on attachment

- Measures voltages up to 600 V
- Measures currents up to 600 A with clamp-on attachment
- Resistance measurement and semiconductor test
- Battery status display

MG KIT CA 600

Digital multimeter + clamp-on attachment



- Capacitance measurement
- Frequency measurement
- Temperature measurement
- Phase sequence measurement is possible



Technical data

	MG KIT CA 600
DC voltage measuring range	0.2 - 600 V
Resolution of DC voltage	
AC voltage measuring range	0#2 - 600 V
Resolution of AC voltage	
Measured current value, max.	600 A
Opening width of current-measuring clamp-on attachment	30 mm
Resistance measuring range	0.2...2000 MΩ
Measured capacitance value, min.	20
Frequency range, min.	10...40 kHz
Temperature measuring range	-20...750 °C
Operating temperature, min.	0...50 °C
Approvals	
Weight	910 g
Note	

Ordering data

Version	Type	Qty.	Order No.
	MG KIT CA 600	1	**9427460000**
Note			

Accessories

	Type	Qty.	Order No.
	ZUB TEMPHASER	1	**9205260000**
	BLOCKBATTERIE 9V	1	**9004810000**
Note	Delivered without temperature probe and belt clip		

Digital multimeter

- Measures voltages up to 1000 V
- Resistance measurement and semiconductor test
- Capacitance measurement
- MAX/MIN memory
- HOLD function
- Battery status display
- Carry case included

Multimeter 1037

Digital multimeter



- Voltage measurement
- Current measurement
- Resistance measurement
- Non-contact voltage measurement is possible
- Extensive accessories



Multimeter 2606

Digital clamp-on measuring device



- Currents up to 1000 A measurable with clamp-on attachment
- Frequency measurement
- Voltage measurement
- Current measurement
- PEAK function



Technical data

	MULTIMETER 1037	MULTIMETER C 2606
DC voltage measuring range	0,2 - 1000 V	0.4 - 1000 V
Resolution of DC voltage		± 0.5%
AC voltage measuring range	0#2 - 750 V	0#4 - 1#000 V
Resolution of AC voltage		± 0.5%
Measured current value, max.	200 A	1000 A
Opening width of current-measuring clamp-on attachment	23 mm	57 mm
Resistance measuring range	0.2...200 kΩ	0.4...40 MΩ
Measured capacitance value, min.	...200 µF	40...4 µF
Frequency range, min.	50...500 Hz	0.1...400 kHz
Temperature measuring range		
Operating temperature, min.	0...50 °C	0...50 °C
Approvals	EN/IEC 61010-1	VDE 0680, Part 5
Weight	258 g	540 g
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	MULTIMETER 1037	1	**9423580000**	MULTIMETER C 2606	1	**9427370000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	ZUB MULTI 1037	1	**9205460000**	ZUB MULTIMETER	1	**9205270000**
	BLOCKBATTERIE 9V	1	**9004810000**	BLOCKBATTERIE 9V	1	**9004810000**
Note	Pliers adapter or carry case are not included in the delivery of accessories			No carry case		

Accessories

The accessories for our measuring instruments meet the same demanding standards for quality and safety as those used for our instruments.

ZUB Temphaser



Included in delivery	Qty.	Order No.
Test wire with test probe	2	
Test wire with alligator clip	1	
Alligator clip	2	
ZUB TEMPHASER		**9205260000**

ZUB Multimeter 1037



Test wire	2	
Short test probe	2	
Long test probe	2	
Test wire with alligator clip, thin	2	
Test wire with alligator clip, wide	2	
ZUB MULTI 1037		**9205460000**

PS ZQV test adapter



PS ZQV set: test wire with test probe	2	
PS ZQV: test probe	2	
PS_ZQV_SET		**1116710000**
PS_ZQV		**1121740000**

ZUB Multimeter



Test wire with test probe	2	
ZUB MULTIMETER		**9205270000**

SKAI pouch



Pouch for 2-pole voltage tester	1	
SKAI POUCH		**9201520000**

Cable tester

Test equipment to test Ethernet cables for:

- External voltage
- Cable breakage
- Wire breakage
- Short-circuit
- Crossed wires
- Checking for twisted wires
- Testable cable length: max. 1000 m
- Wire connection: RJ45
- External-voltage resistance: 80 V AC / DC

LAN USB

LAN continuity tester



- Network cable tester for LAN and USB connections
- Including remote tester
- Connection option for RJ45 plug
- Manual and automatic test
- Display of connection faults (cable breakage, wrong connection, incorrect wiring)



IE-CT



- External voltage
- External-voltage resistance: 80 V AC / DC

Technical data

Display	LED	
Testable cable length, max.	1000	
Supply	9V battery	9V battery
Type of connection	RJ45, USB A, USB B	
Remote box dimensions	65 x 28 x 27 mm	
Remote box weight	30 g	
Length / Width / Height mm	135 / 65 / 27	140 / 70 / 36
Weight	174 g	185 g
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	LAN USB TESTER	1	**9205400000**	IE-CT	1	**8808420000**
Note	Battery, accessories and bag included in delivery			Further test boxes on request Battery included		

Non-contact magnetic field and voltage testers

- Reacts from a distance of 4 mm
- Batteries included
- In compliance with EN/IEC 61010-1

TB® 130

Non-contact magnetic field tester



- Flashlight function included
- Visual indication
- For operational testing of solenoid valves, relays, coils and contactors
- All magnetic fields can be tested

TB® 110

Non-contact voltage tester



- No current flow necessary thanks to capacitive method
- Detects voltage-conducting wires in sockets, cable reels, distributors, etc.
- Flashlight function included
- Visual indication
- Measuring range 12...1000 V AC

Technical data

Display	Visual	Visual
Protection degree	IP 44	IP 44
Weight	45 g	45 g
Battery type	1.5 V type AAA battery	1.5 V type AAA battery
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	TB 130	1	**9201390000**	TB 110	1	**9201330000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	BATTERIE 1,5V MICRO	2	**9201310000**	BATTERIE 1,5V MICRO	2	**9201310000**
Note						

Tool sets

Tool sets	Introduction	H.2
	Tool cases	H.4
	Crimp sets and accessories	H.6
	multi-stripax® PV and WM4 PV Set	H.11
	Inserts	H.12
	Assortment boxes and cases	H.14

Weidmüller offers a comprehensive range of accessories

Crimping sets

Workshops and companies prefer well-organised tool sets. This reduces searching and preparation times and thus saves hard cash. Weidmüller has recognised these important aspects and implements this in its product combinations. These product combinations stand out due to their high user benefit and functional features. Weidmüller crimping sets for cutting, stripping and crimping wire end ferrules provide you with practical works equipment for everyday use.









Pro Case Premium



Assembly

Description of article	Type	Qty.
Sheathing stripper	AM 25	1
Cutting tool for up to 8-mm outer diameter	KT 8	1
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool	PZ 6 ROTO L	1
Wire-end ferrule	H-BOX 0,5-2,5QMM DIN	1
Sheathing stripper for UTP and STP data cables	AM 12	1
Voltage tester up to 690 V/ 100 Hz LCD	DIGI CHECK	1
Voltage tester up to 690 V/ 100 Hz LED	COMBI CHECK	1
Toolbox, empty	Pro Case leer	1
Junct. box sheath. stripper w. indv. core stripping unit/longitudinal cutter	STRIPPER ROUND TOP	1
VDE-insulated long-nose pliers with cutter, 160 mm long	FRZ S 160	1
VDE-insulated diagonal-cutting pliers, 180 mm long	SE HD 180	1
VDE-insulated combination pliers, 180 mm long	KBZ 180	1
VDE-insulated round-nose pliers with long jaws	RZ 160	1
VDE-insulated wire-stripping pliers for conductors up to 5mm diameter	AIZ 160	1
Universal electrical cabinet key	CROSS-KEY UNIVERSAL	1
Combined cutting/screwing tool	SWIFTY SET	1
Screwing tool	SK WSD-S 1,5-10,0	1
Slotted and crosshead PH screwdriver set	SD Set S2.5-5.5/PH1/2	1
VDE-insulated Slotted and crosshead PH-SD screwdriver set	SDI SL S3.5-6.5/PH1/2	1
Allen key with ball head	SKS 2,0-8,0 MR	1
Interchangeable bit for slotted screws, size 0.5 x 3	WK S 0,5x3,0	1
Torque screwdriver, from 0.5-1.7 Nm	DMS MANUELL 0,5-1,7	1

Technical data

Length / Width / Height	48 / 17 / 40 mm
Weight	8500 g

Ordering data

Type	Qty.	Order No.
Pro Case Premium	1	**9202460000**
Pro Case leer	1	**9202470000**

Pro Case Insta



Assembly

Description of article	Type	Qty.
Sheathing stripper	AM 25	1
Cutting tool for up to 8-mm outer diameter	KT 8	1
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool	PZ 6 ROTO L	1
Wire-end ferrule	H-BOX 0,5-2,5QMM DIN	1
Sheathing stripper for UTP and STP data cables	AM 12	1
Voltage tester up to 690 V/ 100 Hz LED	COMBI CHECK	1
Tape measure	FLEXIMET 5 M	1
Toolbox, empty	Pro Case leer	1
Junct. box sheath. stripper w. indv. core stripping unit/longitudinal cutter	STRIPPER ROUND TOP	1
VDE-insulated long-nose pliers with cutter, 160 mm long	FRZ S 160	1
VDE-insulated diagonal-cutting pliers, 180 mm long	SE HD 180	1
VDE-insulated combination pliers, 180 mm long	KBZ 180	1
Universal electrical cabinet key	CROSS-KEY UNIVERSAL	1
Screwing tool	SK WSD-S 1,5-10,0	1
VDE-insulated Slotted and crosshead PH-SD screwdriver set	SDI SL S3.5-6.5/PH1/2	1
Allen key with ball head	SKS 2,0-8,0 MR	1
Ring spanner set	PACK HEXA 8-13	1

Technical data

Length / Width / Height	48 / 17 / 40 mm
Weight	7680 g

Ordering data

Type	Qty.	Order No.
Pro Case Insta	1	**9203160000**
Pro Case leer	1	**9202470000**

Top Case Premium



Assembly

Description of article	Type	Qty.
Sheathing stripper	AM 25	1
Cutting tool for up to 8-mm outer diameter	KT 8	1
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool	PZ 6 ROTO L	1
Wire-end ferrule	H-BOX 0,5-2,5QMM DIN	1
Sheathing stripper for UTP and STP data cables	AM 12	1
Voltage tester up to 690 V/ 100 Hz LCD	DIGI CHECK	1
Voltage tester up to 690 V/ 100 Hz LED	COMBI CHECK	1
Tool case	PLASTIC CASE	1
Junct. box sheath. stripper w. indv. core stripping unit/longitudinal cutter	STRIPPER ROUND TOP	1
VDE-insulated long-nose pliers with cutter, 160 mm long	FRZ S 160	1
VDE-insulated diagonal-cutting pliers, 180 mm long	SE HD 180	1
VDE-insulated combination pliers, 180 mm long	KBZ 180	1
VDE-insulated round-nose pliers with long jaws	RZ 160	1
Universal electrical cabinet key	CROSS-KEY UNIVERSAL	1
Combined cutting/screwing tool	SWIFTY SET	1
Screwing tool	SK WSD-S 1,5-10,0	1
Slotted and crosshead PH screwdriver set	SD Set S2.5-5.5/PH1/2	1
VDE-insulated Slotted and crosshead PH-SD screwdriver set	SDI SL S3.5-6.5/PH1/2	1
Allen key with ball head	SKS 2,0-8,0 MR	1
Interchangeable bit for slotted screws, size 0.5 x 3	WK S 0,5x3,0	1
Torque screwdriver, from 0.5-1.7 Nm	DMS MANUELL 0,5-1,7	1

Technical data

Length / Width / Height	465 / 352 / 255 mm
Weight	11300 g

Ordering data

Type	Qty.	Order No.
TOP CASE PREMIUM	1	**1345320000**
TOP CASE	1	**1345330000**

Top Case Insta



Assembly

Description of article	Type	Qty.
Sheathing stripper	AM 25	1
Cutting tool for up to 8-mm outer diameter	KT 8	1
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool	PZ 6 ROTO L	1
Wire-end ferrule	H-BOX 0,5-2,5QMM DIN	1
Sheathing stripper for UTP and STP data cables	AM 12	1
Voltage tester up to 690 V/ 100 Hz LED	COMBI CHECK	1
Tool case	PLASTIC CASE	1
Junct. box sheath. stripper w. indv. core stripping unit/longitudinal cutter	STRIPPER ROUND TOP	1
VDE-insulated long-nose pliers with cutter, 160 mm long	FRZ S 160	1
VDE-insulated diagonal-cutting pliers, 180 mm long	SE HD 180	1
VDE-insulated combination pliers, 180 mm long	KBZ 180	1
Universal electrical cabinet key	CROSS-KEY UNIVERSAL	1
Screwing tool	SK WSD-S 1,5-10,0	1
VDE-insulated Slotted and crosshead PH-SD screwdriver set	SDI SL S3.5-6.5/PH1/2	1
Allen key with ball head	SKS 2,0-8,0 MR	1
Tape measure	FLEXIMET 5 M	1

Technical data

Length / Width / Height	465 / 352 / 255 mm
Weight	10.8 kg

Ordering data

Type	Qty.	Order No.
TOP CASE INSTA	1	**1345310000**
TOP CASE	1	**1345330000**

Crimp Set PZ 4



Crimp set for cutting, stripping and crimping of wire-end ferrules up to 4.0 mm², consisting of:

- Assortment box PSC 01 blank
- A8 insert (4 pieces)
- A7 insert (2 pieces)
- Stripax® stripping tool for conductors with PVC insulation from 0.08...6.0 mm²
- PZ 4 crimping tool for wire-end ferrules from 0.5...4.0 mm²
- Wire-end ferrules with plastic collars H 0.5...H 4.0
- Weidmüller colour code

Assembly

Type		Piece
STRIPAX	Stripping tool	1
PZ 4	Crimping tool	1
H0,5/14D W	Wire end ferrule	500
H0,75/14D GR	Wire end ferrule	500
H1,0/14D R	Wire end ferrule	500
H1,5/14D SW	Wire end ferrule	500
H2,5/15D BL	Wire end ferrule	500
H4,0/18D GR	Wire end ferrule	500

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1780 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 4	**9025800000**
DIN	CRIMP-SET PZ 4 D	**9028630000**
Misc.	CRIMP-SET PZ 4 T	**9028640000**

Crimp Set PZ 3



Crimp set for cutting, stripping and crimping of wire-end ferrules up to 6.0 mm², consisting of:

- Assortment box PSC 01 blank
- A8 insert (6 pieces)
- A7 insert (1 piece)
- Stripax® stripping tool for conductors with PVC insulation from 0.08...6.0 mm²
- PZ 3 crimping tool for wire-end ferrules from 0.5...6.0 mm²
- Wire-end ferrules with plastic collars H 0.5...H 6.0
- Weidmüller colour code

Assembly

Type		Piece
PZ 3	Crimping tool	1
STRIPAX	Stripping tool	1
H0,5/14D W	Wire end ferrule	500
H1,0/14D R	Wire end ferrule	500
H1,5/14D SW	Wire end ferrule	500
H0.75/14 HBL	Wire end ferrule	500
H2,5/15T GR	Wire end ferrule	500
H4,0/18T OR	Wire end ferrule	500
H6/26T GN	Wire end ferrule	100

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1743 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 3	**9028650000**
DIN	CRIMP-SET PZ 3 D	**9028660000**
Misc.	CRIMP-SET PZ 3 T	**9028670000**

Crimp Set PZ 6 roto



Crimp set for cutting, stripping and crimping of wire-end ferrules up to 6.0 mm², consisting of:

- Assortment box PSC 01 blank
- A8 insert (6 pieces)
- A7 insert (1 piece)
- Stripax® stripping tool for conductors with PVC insulation from 0.08...6.0 mm²
- PZ 6 Roto crimping tool for wire-end ferrules from 0.14...6.0 mm²
- Wire-end ferrules with plastic collars H 0.5...H 6, Weidmüller colour code

Assembly

Type		Piece
STRIPAX	Stripping tool	1
PZ 6 ROTO L	Crimping tool	1
H0,5/14D W	Wire end ferrule	500
H1,0/14D R	Wire end ferrule	500
H1,5/14D SW	Wire end ferrule	500
H0.75/14 HBL	Wire end ferrule	500
H2,5/15T GR	Wire end ferrule	500
H4,0/18T OR	Wire end ferrule	500
H6,0,0/20T GN	Wire end ferrule	100

Technical data

Length / Width / Height	261 / 338 / 56 mm
Weight	1760 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 6 ROTO L	**9028680000**
DIN	CRIMP-SET PZ 6 ROTO L D	**9028690000**
Misc.	CRIMP-SET PZ 6 ROTO L T	**9028700000**

Crimp Set PZ 6/5



Crimp set for cutting, stripping and crimping of wire-end ferrules up to 6.0 mm², consisting of:

- Assortment box PSC 01 blank
- A8 insert (6 pieces)
- A7 insert (1 piece)
- Stripax stripping tool® for conductors with PVC insulation from 0.08...6.0 mm²
- PZ 6/5 crimping tool for wire-end ferrules from 0.25...10.0 mm²
- Wire-end ferrules with plastic collar H 0.5...H 6.0
- Weidmüller colour code

Assembly

Type		Piece
STRIPAX	Stripping tool	1
PZ 6/5	Crimping tool	1
H0,5/14D W	Wire end ferrule	500
H1,0/14D R	Wire end ferrule	500
H1,5/14D SW	Wire end ferrule	500
H0.75/14 HBL	Wire end ferrule	500
H2,5/19T GR	Wire end ferrule	500
H4,0/18T OR	Wire end ferrule	500
H6,0,0/20T GN	Wire end ferrule	100

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1761 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 6/5	**9028740000**
DIN	CRIMP-SET PZ 6/5 D	**9028750000**
Misc.	CRIMP-SET PZ 6/5 T	**9028760000**

Crimp Set stripax® plus



Crimp set for cutting, stripping and crimping of reel-packaged wire-end ferrules up to 2.5 mm², consisting of:

- PSC 01 assortment box, clear with foam insert
- stripax® combination tool Plus for processing strips of linked wire-end ferrules of 0.5...2.5 mm² from Weidmüller
- Wire-end ferrules with plastic collars H 0.5...H 2.5
- Weidmüller colour code

Assembly

Type		Piece
STRIPAX PLUS 2.5	Crimping tool	1
H0,5/14D W BD	Wire end ferrule	500
H0,75/14T HBL BD	Wire end ferrule	500
H1,0/14D R BD	Wire end ferrule	500
H1,5/14D SW BD	Wire end ferrule	500
H2,5/14T GR BD	Wire end ferrule	500

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1110 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET STRIPAX PLUS	**9028770000**
DIN	CRIMP-SET STRIPAX PLUS D	**9028780000**
Misc.	CRIMP-SET STRIPAX PLUS T	**9028790000**

Crimp Set PZ 16



Crimp set for cutting, stripping and crimping of wire-end ferrules up to 16.0 mm², consisting of:

- PSC 01 neutral assortment box
- A8 inserts (4 pieces)
- A7 inserts (2 pieces)
- stripax® 16 stripping tool® for conductors with PVC insulation from 6.0...16.0 mm²
- PZ 16 crimping tool for wire-end ferrules from 6.0...16.0 mm²
- Wire-end ferrules with plastic collar H 6.0...H 16.0
- DIN colour code

Assembly

Type		Piece
STRIPAX	Stripping tool	1
PZ 16	Crimping tool	1
H6,0,0/20T GN	Wire end ferrule	100
H10,0/22T BR	Wire end ferrule	100
H16,0/22T W	Wire end ferrule	100
H16,0/28T W	Wire end ferrule	100

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1725 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 16	**9025850000**
DIN	CRIMP-SET PZ 16 D	**9028800000**
Misc.	CRIMP-SET PZ 16 T	**9028810000**

Crimp Set PZ ZH 16



Crimp set for cutting, stripping and crimping of twin wire-end ferrules up to 16.0 mm², consisting of:

- Assortment box PSC 01 blank
- A7 insert (4 pieces)
- Stripax stripping tool® 16 for conductors with PVC insulation from 6.0...16.0 mm²
- Crimping tool PZ ZH 16 for twin wire-end ferrules from 6.0...16.0 mm²
- Wire-end ferrules with plastic collar H 6.0...H 16.0
- Weidmüller colour code

Assembly

Type		Piece
STRIPAX 16	Stripping tool	1
PZ ZH 16	Crimping tool	1
H6,0/23T ZH GN	Wire end ferrule	100
H6,0/29T ZH GN	Wire end ferrule	100
H10,0/24T ZH BR	Wire end ferrule	100
H16,0/29T ZH W	Wire end ferrule	50

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1812 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ ZH 16	**9028820000**
DIN	CRIMP-SET PZ ZH 16 D	**9028830000**
Misc.	CRIMP-SET PZ ZH 16 T	**9028840000**

Crimp Set PZ 50



Crimp set for stripping and crimping of wire-end ferrules up to 50.0 mm², consisting of:

- Assortment box PSC 01 blank
- A7 insert (4 pieces)
- Foam insert for tools
- Sheathing stripper AM 25 for round PVC cables of 6.0...25.0 mm²
- PZ 50 crimping tool for wire-end ferrules of 25, 35 and 50.0 mm²
- Wire-end ferrules with plastic collar H 25.0...H 50.0
- Weidmüller colour code

Assembly

Type		Piece
AM 25	Sheathing strippers	1
PZ 50	Crimping tool	1
H35,0/30D 16 R	Wire end ferrule	50
H50/36D BL	Wire end ferrule	50
H25,0/30T SW	Wire end ferrule	50
H25,0/36T SW	Wire end ferrule	50

Technical data

Length / Width / Height	261 / 338 / 57 mm
Weight	1800 g

Ordering data

Colour code	Type	Order No.
Weidmüller	CRIMP-SET PZ 50	**9028850000**
DIN	CRIMP-SET PZ 50 D	**9028870000**
Misc.	CRIMP-SET PZ 50 T	**9028880000**

Crimp Set CTI 6



Assembly

Description of article	Type	Qty.
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool for insulated connectors, 0.5–6 mm²	CTI 6 S	1
Insulated ring-cable connector 6,0 mm² / M5	LIR 6M5 V	100
Insulated ring-cable connector 6,0 mm² / M6	LIR 6M6 V	100
Insulated pin-cable connector 6.0 mm² L=14 mm	LIP 6R14 V	100
Insulated ring-cable connector 2,5 mm² / M5	LIR 2,5M5 V	100
Insulated tab-connector sleeves 2,5 mm² / 6,3x0,8	LIF 2,5F638 R	100
Insulated pin-cable connector 1.5 mm² L=12 mm	LIP 1,5R12 V	100
Insulated pin-cable connector 2.5 mm² L=12 mm	LIP 2,5R12 V	100
Insulated joint connector 6.0 mm² L=26.0 mm	LIB 6B26 VF	100
Insulated ring-cable connector 1,5 mm² / M4	LIR 1,5M4 V	100
Insulated forked-cable connector 6,0 mm² / M6	LIS 6M6 V	100
Insulated tab-connector sleeves 1,5 mm² / 6,3x0,8	LIF 1,5F638 R	100
Insulated joint connector 2.5 mm² L=24.5 mm	LIB 2,5B25 VF	100
Insulated forked-cable connector 1,5 mm² / M4	LIS 1,5M4 V	100
Insulated forked-cable connector 2,0 mm² / M5	LIS 2,5M5 V	100
Insulated ring-cable connector 1,5 mm² / M5	LIR 1,5M5 V	100
Insulated ring-cable connector 2,5 mm² / M6	LIR 2,5M6 V	100
Insulated tab-connector sleeves 1,5 mm² / 2,8x0,8	LIF 1,5F288 R	100
Insulated tab-connector sleeves 6,0 mm² / 6,3x0,8	LIF 6F638 R	100
Insulated joint connector 1.5 mm² L=24.5 mm	LIB 1,5B25 VF	100
Assortment case, empty	KOF CARRYLITE 80	1

Technical data

Length / Width / Height	413 / 330 / 79 mm
Weight	5 kg

Ordering data

Type	Qty.	Order No.
Crimpset CTI 6	1	**9202600000**

Crimp Set PZ / CTI



Assembly

Description of article	Type	Qty.
Stripping tool for up to 10 mm²	STRIPAX	1
Crimping tool for insulated connectors, 0.5–6 mm²	CTI 6 S	1
Crimping tool	PZ 6 Roto	1
Wire-end ferrule	H0,5/14D W	500
Wire end ferrule with plastic collar, yellow	H6,0/20D GE	100
Insulated ring-cable connector 6,0 mm² / M6	LIR 6M6 V	100
Insulated pin-cable connector 6.0 mm² L=14 mm	LIP 6R14 V	100
Insulated ring-cable connector 2,5 mm² / M5	LIR 2,5M5 V	100
Insulated tab-connector sleeves 2,5 mm² / 6,3x0,8	LIF 2,5F638 R	100
Insulated pin-cable connector 1.5 mm² L=12 mm	LIP 1,5R12 V	100
Insulated pin-cable connector 2.5 mm² L=12 mm	LIP 2,5R12 V	100
Insulated joint connector 6.0 mm² L=26.0 mm	LIB 6B26 VF	100
Insulated ring-cable connector 1,5 mm² / M4	LIR 1,5M4 V	100
Insulated tab-connector sleeves 1,5 mm² / 6,3x0,8	LIF 1,5F638 R	100
Insulated joint connector 2.5 mm² L=24.5 mm	LIB 2,5B25 VF	100
Insulated ring-cable connector 1,5 mm² / M5	LIR 1,5M5 V	100
Insulated tab-connector sleeves 1,5 mm² / 2,8x0,8	LIF 1,5F288 R	100
Insulated tab-connector sleeves 6,0 mm² / 6,3x0,8	LIF 6F638 R	100
Insulated joint connector 1.5 mm² L=24.5 mm	LIB 1,5B25 VF	100
Assortment case, empty	KOF CARRY LITE 80 PC RT	1

Technical data

Length / Width / Height	413 / 330 / 79 mm
Weight	5 kg

Ordering data

Type	Qty.	Order No.
Crimpset PZ / CTI	1	**9202610000**

Crimp contact set



Assembly

Description of article	Type	Qty.
Wire-end ferrule	H0,5/14D W	500
Wire end ferrule with plastic collar, yellow	H6,0/20D GE	100
Insulated ring-cable connector 6,0 mm² / M6	LIR 6M6 V	100
Insulated pin-cable connector 6.0 mm² L=14 mm	LIP 6R14 V	100
Insulated ring-cable connector 2,5 mm² / M5	LIR 2,5M5 V	100
Insulated tab-connector sleeves 2,5 mm² / 6,3x0,8	LIF 2,5F638 R	100
Insulated pin-cable connector 1.5 mm² L=12 mm	LIP 1,5R12 V	100
Insulated pin-cable connector 2.5 mm² L=12 mm	LIP 2,5R12 V	100
Insulated joint connector 6.0 mm² L=26.0 mm	LIB 6B26 VF	100
Insulated ring-cable connector 1,5 mm² / M4	LIR 1,5M4 V	100
Insulated tab-connector sleeves 1,5 mm² / 6,3x0,8	LIF 1,5F638 R	100
Insulated joint connector 2.5 mm² L=24.5 mm	LIB 2,5B25 VF	100
Insulated ring-cable connector 1,5 mm² / M5	LIR 1,5M5 V	100
Insulated tab-connector sleeves 1,5 mm² / 2,8x0,8	LIF 1,5F288 R	100
Insulated tab-connector sleeves 6,0 mm² / 6,3x0,8	LIF 6F638 R	100
Insulated joint connector 1.5 mm² L=24.5 mm	LIB 1,5B25 VF	100
Assortment case, empty	KOF.CARRY LITE 55 PC RT	1

Technical data

Length / Width / Height	473 / 330 / 57 mm
Weight	3635 g

Ordering data

Type	Qty.	Order No.
Crimp-Set Kontakte	1	**9202640000**

Tool Set IE-POF



Contents:

- Assortment case PSC 80
- Kevlar scissors for aramid fibres
- Multifunction tool HTX-IE-POF
- multi-stripax® stripping tool® IE-POF

Assembly

Type		Piece
HTX-IE-POF		1
multi-stripax IE-POF	Stripping tool	1
SCISSORS KEVLAR	Electrician's scissors	1

Technical data

Length / Width / Height	241 / 338 / 79 mm
Weight	1800 g

Ordering data

Colour code	Type	Order No.
	TOOL SET IE-POF	**1208930000**

PV Set WM4



Contents:

- CTF PV WM4 crimping tool
- Cutting and stripping tool multi-stripax® PV
- Multi-tool
- Photovoltaic contacts WM4
- Toolbag

Assembly

Type		Piece
CTF PV WM4	Crimping tool	1
multi-stripax PV	Stripping tool	1
SET MULTI-TOOL PV+	Accessories, Special tool	1
SFGH WM4 VPE100	Plug-in connector	100
SFKO WM4 VPE100		100
BUGH WM4 VPE100	Plug-in connector	100
BUKO WM4 VPE100		100
WZTE 20 LR		1
KOF CARRY LITE 80 PC RT	Empty box / Case	1

Technical data

Length / Width / Height	413 / 330 / 79 mm
Weight	2500 g

Ordering data

Colour code	Type	Order No.
	PV SET WM4	**1257780000**

Inserts

Transparent, loose-packed compartment inserts for individual interior layouts.

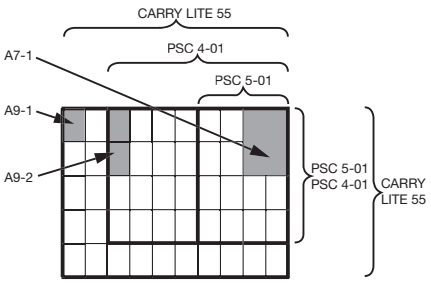
- Resistant to oils, acids and alkalis
- Made from unbreakable polypropylene

A7-1 / A9-1 / A9-2

Inserts for PSC4-01, PSC5-01, CARRYLITE 55, CARRYLITE 80



- Inserts for PSC4-01, PSC5-01, CARRYLITE 55, CARRYLITE 80

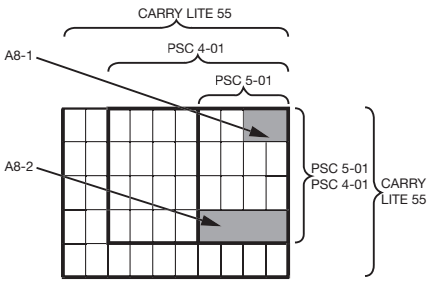


A8-1 / A8-2

Inserts for PSC4-01, PSC5-01, CARRYLITE 55, CARRYLITE 80



- Inserts for horizontal installation



Technical data

Product data		EINSATZ A7-1 CL55	EINSATZ A9-1 CL55	EINSATZ A9-2 CL55	EINSATZ A8-1 CL55	EINSATZ A8-2 CL55
Colour of body		Natural	Natural	Natural	Natural	Natural
Colour of fittings						
Cover material						
Weight	g	32	12	20	17	40
Dimensions						
Length	mm	109	55	109	79	177
Width	mm	79	39	39	55	55
Height	mm	47	47	47	47	47
Note						

Ordering data

Version	Type	Qty.	Order No.
	EINSATZ A7-1 CL55	1	9028450000
	EINSATZ A9-1 CL55	50	9202020000
	EINSATZ A9-2 CL55	1	9203260000
Note			

Type	Qty.	Order No.
EINSATZ A8-1 CL55	100	9028460000
EINSATZ A8-2 CL55	1	9028420000

Inserts

Transparent, loose-packed compartment inserts for individual interior layouts.

- Resistant to oils, acids and alkalis
- Made from unbreakable polypropylene

BA7-1 / BA8-1

Inserts for PSC80

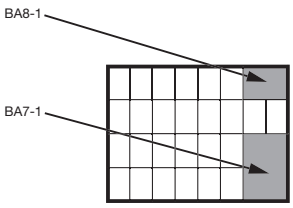


BA8-1

- Divider for horizontal installation

BA7-1

- Divider for vertical installation



Technical data

Product data		EINSATZ BA7-PSC 80	EINSATZ BA8-PSC 80
Colour of body		Natural	Natural
Colour of fittings			
Cover material			
Weight	g	40	25
Dimensions			
Length	mm	109	55
Width	mm	79	79
Height	-		
Note			

Ordering data

Version	Type	Qty.	Order No.
	EINSATZ BA7-PSC 80	1	9202320000
	EINSATZ BA8-PSC 80	1	9202310000
Note			

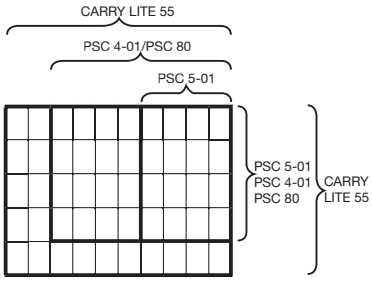
Assortment boxes and cases

- Body of case made from unbreakable polypropylene
- Portable and uncluttered storage in minimum space
- With 2 sturdy sliding catches
- Assortment cases and boxes can be placed upright and can be stacked safely without any sliding
- Can be subdivided with inserts
- U-section grid in cover and base holds the inserts in position and ensures sorted contents remain sorted
- Transparent polycarbonate cover
- Excellent shock resistance!
- With ergonomic carry handle

PSC4-01 / PSC 80

Assortment case, empty

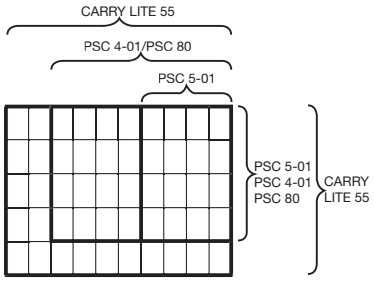




CARRYLITE 55 / CARRYLITE 80

Assortment case, empty





Technical data

Product data		KOFFER PSC4-01	KOFFER PSC80 PC	KOFFER CARRY LITE 55	KOF CARRYLITE 80
Colour of body		Anthracite	Anthracite	Anthracite	Anthracite
Colour of fittings		Orange	Orange	Orange	Orange
Cover material		Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Weight	g	580	630	1000	1250
Dimensions					
Length	mm	261	261	330	330
Width	mm	338	338	413	413
Height	mm	56		57	79
Note					

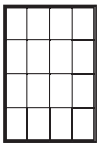
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KOFFER PSC4-01	1	**9028860000**	KOFFER CARRY LITE 55	1	**9202000000**
	KOFFER PSC80 PC	1	**9202330000**	KOF CARRYLITE 80	1	**1309580000**
Note						

PSC 5-01

Assortment box, empty





KOFFER PSC5-01 PP
Anthracite
Orange
Polypropylene
200
195
241

Type	Qty.	Order No.
KOFFER PSC5-01 PP	1	**9202010000**

Automatic machines

Automatic machines	Introduction	I.2
	Cable cutting machines	I.4
	Automatic strippers	I.6
	Stripping and crimping machines	I.9

Stripping and crimping machines

Stripping and crimping machines: for linked or unconnected wire-end ferrules packaged in rolls

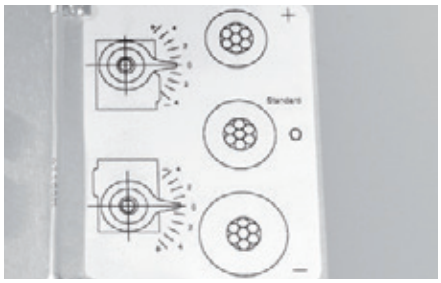
The crimping process can be made more efficient by automating the individual process steps. Markets will be placing increasing pressure on their strategic partners to optimise installation times. Machines that can efficiently process wiring materials are a state of the art solution for meeting this demand. Weidmüller's new generation of stripping and crimping machines are equipped with a universally adjustable stripping mechanism and a user-friendly touch screen. They also feature longer servicing intervals and machine lifespans.
And, there is no need to change tools



Touch screen
The new, large touch screen makes it easier to adjust and operate the machines.



Flexibility
A universally adjustable stripping mechanism comes with the machines' standard configuration. This stripping mechanism can be adjusted to fit various wire and insulation sizes.



Sturdy construction
The new, sturdier construction results in more time between servicing and a longer lifespan for the machines.





Automatic machines



CutFix 8

Cable cutting machines



The CutFix 8 is a microprocessor-controlled tool for the automatic cutting to length of solid and flexible single conductors with a max. outer diameter of 8 mm.

Repetition accuracy is achieved by a precise servo DC drive.

- Optimised dimensional accuracy due to length correction (e.g. for special insulators)
- Adjustable cable clamping force
- RS232 interface for controlling the automatic sizer via an IBM-compatible PC
- Software (supplied) enables management, documentation and transfer of cutting jobs via a PC
- Removable hand-held terminal for entering individual cutting jobs

Technical data — CutFix 8

Cutting capacity	
Single conductor, flexible	0.14...10 mm²
Single conductor, solid	0.5...2.5 mm²
Aperture	Max. 8 mm outer Ø
Feed rate	1.5 m/sec
Length correction	Slip correction in mm
	adjustable for specific articles
Keypad	4 x 4-buttons for data input
Display	4 lines/20 characters
Length preselection	2 mm to 999999 mm
Amount preselection	Adjustable partial amount preselection
Switch-off	When end of cable is reached
Memory	For up to 256 cutting jobs
Serial interface	1
Software	For data transfer
	to PC
Electrical connection	230 V/50 Hz
Connected load	Approx. 200 W
Dimensions D x W x H (mm)	330 x 380 x 498 with keypad
	330 x 380 x 408 w/o keypad
Weight	Approx. 24 kg

Ordering data

Type	Qty.	Order No.
CutFix 8	1	9023100000

CCM

Cable cutting machines



The CCM microprocessor-controlled automatic cutter cuts to length ribbon cables, round cables, insulating conduits and tubes. Its high repeat accuracy is achieved using a precision AC servodrive. The dimensional accuracy can, for particular requirements, be optimised by means of length correction.
Using a special subprogram, it is simplicity itself for customers to adapt the program interface to their own company-specific requirements. The pressure on the cable from the drive can be adjusted by the built-in pressure regulator that controls the pneumatic opening.

Software is available that allows cutting jobs to be managed, documented and transferred. The CCM can be used wherever stationary preparation of medium and large cable series is required. It comes with handles for easy relocation.

Technical data — CCM

Cutting force	Approx. 2900 N at 6 bar operating pressure
Aperture width	75 mm
Aperture height	40 mm
Ribbon cable	Max. cable width 75 mm
Solid and sheathed cables	up to Ø 25 mm
Single conductor, flexible	0.08...70 mm²
Single conductor, solid	0.08...16 mm²
Insulating tubes and hoses	Up to nominal width 29 mm
Feeding speed	0 – 3 m/sec, programmable
Length correction	Slip correction in mm programmable
	for specific articles
Keypad	4 x 4 buttons for data input, 4 direct function buttons
Display	4 lines/40 characters
Languages	D, NL, F, UK, P, I, E, CZ
Length preselection	1 mm to 999999 mm
Amount preselection	Adjustable partial amount preselection
Switch-off	When cable end is reached
Memory	For up to 20,000 cutting jobs
Serial interface	1
Software (optional)	For data transfer to PC,
	additional programs for inkjet and embossing devices
Electrical connection	220 V/230 V AC
Connected load	Approx. 750 W
Air connection	6 – 10 bar
Dimensions D x W x H (mm)	470 x 360 x 370
Exit tray	200 mm
Weight	Approx. 35 kg

Ordering data

Type	Qty.	Order No.
CCM	1	9025440000

Automatic strippers

- Stripping of stranded wires according to DIN VDE 0295, Cl. 5
- Partial stripping; the insulation remains on the wire end
- No need to change tools
- Electric drive
- For small and medium-sized batches
- Precise adjustment possible through touch display
- Day and total unit counter ensures production monitoring

Automatic machines are designed to process wires acc. to DIN VDE 0295/5, DIN VDE 0281/102 and DIN VDE 0281/103.
Processing of other wire types on request.

Powerstripper 6.0

0.05 ... 6.0 mm²



- Quick and easy adjustment to the respective cross-section
- Stripping length: 3...20 mm
- Min. conductor length: 22 mm + stripping length
- Max. outside diameter 5 mm

Powerstripper 16.0

2.5...16.0 mm²



- Quick and easy adjustment to the respective cross-section
- Stripping length: 3...20 mm
- Min. conductor length: 22 mm + stripping length
- Max. outside diameter 8 mm

I

Technical data

Specification		POWERSTRIPPER 6,0	POWERSTRIPPER 16,0
Stripping range		0.05 - 6.0 mm² (~AWG 30-10)	2.5 - 16 mm² (~AWG 14-6)
Conductor length, min.		22 mm + stripping length	22 mm + stripping length
Pull-off length		3-20 mm	3-20 mm
Pulse time		approx. 0.5 s	approx. 1.5 s
Electrical connection		100-240 V / 50/65 Hz	100-240 V / 50/65 Hz
Connection values		46 VA	46 VA
Tool data			
Length / Width / Height	mm	295 / 190 / 190	295 / 190 / 230
Weight	kg	8.8	11
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	POWERSTRIPPER 6,0	1	**9028510000**	POWERSTRIPPER 16,0	1	**9028480000**
Note						

Automatic strippers

- Strips stranded wires according to DIN VDE 0295, Cl. 5
- Partial stripping of insulation; the insulation remains on the wire end
- Integrated sensing system for determining the wire cross-section and the resulting cutting depth
- Electric drive
- Change of tools not necessary
- For small and mid-sized batches
- Automatic adjustment to the appropriate wire cross-section

Automatic machines are designed to process wires according to DIN VDE 0295/5, DIN VDE 0281/102 and DIN VDE 0281/103.
Processing of other wire types on request.

Powerstripper auto 2.5

0.5...2.5 mm²



Power stripper auto 2.5-20

- Stripping length from 3...20 mm
- Min. conductor length 22 mm plus stripping length

Powerstripper auto 16.0

4.0 to 16 mm²



Power stripper auto 16-20

- Stripping length from 3...20 mm
- Min. conductor length 22 mm plus stripping length

Technical data

Specification		POWERSTRIPPER ao 2,5-20	POWERSTRIPPER ao 16-20
Stripping range		0.5 - 2.5 mm² (~AWG 20-14)	4 - 16 mm² (~AWG 12-6)
Conductor length, min.		22 mm + stripping length	22 mm + stripping length
Pull-off length		1-20 mm	1-20 mm
Pulse time		approx. 0.5 s	approx. 1.5 s
Electrical connection		100-240 V / 50/65 Hz	100-240 V / 50/65 Hz
Connection values		46 VA	46 VA
Tool data			
Length / Width / Height	mm	295 / 190 / 205	295 / 190 / 230
Weight	kg	9	11
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	POWERSTRIPPER ao 2,5-20	1	9027270000	POWERSTRIPPER ao 16-20	1	9027290000
Note						

Automatic strippers

- Electro-pneumatic drive
- Precise sheath stripping on conductors with various insulation types
- Very easy to use

Powerstripper AM 12

3.5...11.9 mm



- Stripping a cable with an outside diameter of 3.5 ... 11.9 mm
- Use of wire cross-sections with adapted V-radius blades
- Infinitely variable adjustment of sheath stripping and pull-off lengths between 25 and 120 mm
- Low weight and compact design
- Easy blade replacement

Technical data

Specification		Powerstripper AM 12
Insertion length		80 mm
Min./max. stripping area		3.5 mm-11.90
Min./max. stripping length		25-120
Pull-off length		20 - 120 mm
Electrical connection		100-240 V / 50/65 Hz
Compressed air connection		5.5 bar
Pulse time		approx. 3 s
Tool data		
Length / Width / Height	mm	230 / 254 / 520
Weight	kg	17
Note		

Ordering data

Version	Type	Qty.	Order No.
	Powerstripper AM 12	1	1534740000
Note			

Stripping and crimping machines

- For loose-packed wire-end ferrules with plastic collar
- Conductor stripping and crimping in one step
- Oscillating conveyor for grabbing free wire-end ferrules
- Quick adjustment to the required cross-section range
- Change of tools not necessary, therefore efficient and time-saving processing

Automatic machines are designed to process wires according to DIN VDE 0295/5, DIN VDE 0281/102 and DIN VDE 0281/103.
Processing of other wire types on request.

Crimpfix 2.5 M

0.34/0.5...2.5 mm²



- Electric drive
- For smaller batches

Crimpfix 2.5 M

- 0.34 / 0.5...2.5 mm²
- Processing 0.34 mm² is possible with simple conversion tool

Crimpfix R / Crimpfix RS

0.5...2.5 mm²



Crimpfix R

- 0.5...2.5 mm²
- Crimping length: 8 mm

Crimpfix RS

- 0.5...2.5 mm²
- Crimping length: 8 mm & 10 mm

Technical data

Specification		CRIMPFIX 2.5 M	CRIMPFIX R	CRIMPFIX RS
Stripping range		0.34/0.5 - 2.5 mm²	0.5 - 2.5 mm²	0.5 - 2.5 mm²
Crimping length		8 mm	8 mm	8/10 mm
Length of wire-end ferrule		14 mm	14 mm	14/16 mm
Pulse time		approx. 1.5 s	approx. 1 s	approx. 1 s
Cross-section range		0.5...2.5 mm²	0.5...2.5 mm²	0.5...2.5 mm²
Electrical connection		220 V / 50 Hz	100-240 V / 50/65 Hz	100-240 V / 50/65 Hz
Compressed air connection			5 bar	5 bar
Tool data				
Length / Width / Height	mm	292 / 310 / 260	330 / 390 / 430	330 / 390 / 430
Weight	kg	15	23	23
Note				

Ordering data

Version	Type	Qty.	Order No.
	CRIMPFIX 2.5 M	1	**9205410000**
Note			

Type	Qty.	Order No.
CRIMPFIX R	1	**9028500000**
CRIMPFIX RS	1	**1477030000**

Stripping and crimping machines

- For loose-packed wire-end ferrules with plastic collar
- Conductor stripping and crimping in one step
- Oscillating conveyor for grabbing free wire-end ferrules
- Quick adjustment to the required cross-section range
- Change of tools not necessary, therefore efficient and time-saving processing

Automatic machines are designed to process wires according to DIN VDE 0295/5, DIN VDE 0281/102 and DIN VDE 0281/103.
Processing of other wire types on request.

Crimpfix L / Crimpfix LS

0.5...2.5 mm²



- Electric/pneumatic drive
- Full electronic control
- For medium-sized batches

Crimpfix LS
- Ferrules in custom sizes can also be processed

Crimpfix LZ

2 x 0.5...2 x 1.5 mm²



For twin wire-end ferrules
- Electro/pneumatic drive
- Complete electronic control
- For medium-sized batches

Technical data

Specification		CRIMPFIX L	CRIMPFIX LS	CRIMPFIX LZ
Stripping range		0.5 - 2.5 mm²	0.5 - 2.5 mm²	2 x 0.5 - 2 x 1.5 mm²
Crimping length		8 mm	6/8/10 mm	8 mm
Length of wire-end ferrule		14 mm	12/14/16 mm	14 mm
Pulse time		approx. 1 s	approx. 1 s	approx. 1 s
Cross-section range		0.5...2.5 mm²	0.5...2.5 mm²	0.5...1.5 mm²
Electrical connection		100-240 V / 50/65 Hz	100-240 V / 50/65 Hz	100-240 V / 50/65 Hz
Compressed air connection		5 bar	5 bar	5 bar
Tool data				
Length / Width / Height	mm	330 / 390 / 460	330 / 390 / 460	330 / 390 / 460
Weight	kg	31	31	31
Note				

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CRIMPFIX L	1	**9028530000**	CRIMPFIX LZ	1	**9027310000**
	CRIMPFIX LS	1	**9028540000**			
Note	Wire-end ferrules, see chapter J			Wire-end ferrules, see chapter J		

CA 100 C

0,14...0,34 mm²



The CA 100 C ("Compact") is an electro-pneumatic, modular crimping machine used to efficiently process unconnected (bulk-packed) ferrules with plastic collars. It is used for wires with small cross-sections of 0.14 to 0.34 mm² (AWG 26 to 22).

- For processing small cross-sections from 0.14 to 0.34 mm² (AWG 26 to 22), with 6/8 mm crimping lengths
- The removable control panel makes it convenient to operate and adjust.
- Simple, user-friendly menu navigation and touch-screen display
- Daily piece-part counter
- Short insertion length: 22 mm
- Tool is easy to change
- Quick setup and re-tooling
- Short cycle times: 1.5 s
- Crimping quality complies with DIN 46228
- Compact design
- Electro-pneumatic

Technical data

	CA 100 C
Crimping range	0.14 ... 0.34 mm²
Crimping lengths	6 ... 8 mm
Connection	220 V / 50 Hz
Drive	pneumatic
Compressed air connection	5 bar
Processing time	1.5 s
Size W x D x H	260 x 390 x 390
Weight	23 kg

The CA 100 C can be converted for conductor cross-sections in the ranges of 0,14 ... 0,34 mm².

Note on ordering

In order to precisely determine the required conversion tool, you will need the exact specifications for both the wire-end ferrules being processed and the conductors being processed.

Ferrules see chapter J

Detailed quotation available on request. Additional accessories can be found in Chapter J.

CA 100/2.5, CA 100/10

0,14...10 mm²



The CA 100 is an electro-pneumatic-driven automatic stripper and crimper for time-saving and efficient processing of loose-packed wire-end ferrules.
It is designed for stationary preparation of medium-sized batches of conductors.
The machine is characterised by rapid and simple operation.

- Stripping and crimping in one operation
- Electro-pneumatic drive
- Stripping and crimping range 0.14...10.0 mm²
- Processes ferrules of various lengths
- Rapid and easy conversion
- Vibration feeder takes loose ferrules

Technical data

	CA 100/2,5	CA 100/10
Crimping range	0.34 ... 4 mm² (using respective tool)	4 ... 10 mm²
Crimping lengths	6 ...12 mm	6...18 mm
Connection	220 V / 50 Hz	220 V / 50 Hz
Drive	pneumatic	pneumatic
Compressed air connection	5 bar	5 bar
Processing time	approx. 2.5 s	approx. 2.5 s
Crimping	Quadrocrimp	Trapezcrimp
Size W x D x H	530 x 400 x 460	530 x 400 x 460
Weight	40 kg	40 kg
Options	Quadrocrimp Tool: For a perfect 4 sided, crimped square	

The CA 100 can be converted for conductor cross-sections in the ranges of 0.14...2.5 or 4...10 mm².

Note on ordering

In order to precisely determine the required conversion tool, you will need the exact specifications for both the wire-end ferrules being processed and the conductors being processed.

Ferrules see chapter J

Detailed quotation available on request. Additional accessories can be found in Chapter J.

CA 4/8 Indent

0,14...4 mm²



The CA 4/8 Indent is an electro-pneumatic-driven automatic stripper and crimper for processing loose-packed, turned male and female contacts.
The contacts are fed automatically via an oscillating conveyor set-up.
Conductors and contacts in the 0.14 - 4.0 mm range (AWG 26-14) can be crimped normally with a 4/8 indent crimp shape, in compliance with MIL C-22520/1-01. The settings for stripping and crimp depth are motor- driven. The values can be saved in 50 different programs. The keyboard is used for configuration and programming.
Important data, functions and errors are shown on the LCD display.
With the help of the appropriate tools, the automatic crimper may be converted to various contacts and/or conductors.
It was developed for preparing conductors in medium-batch series for stationary use.
The automatic machine can be operated quickly and easily.

- Stripping and crimping in one operation
- Electro-pneumatic drive
- Strips and crimps 0.14...4.0 mm²
- Processes loose twisted pin and socket contacts
- Rapid and simple change-over
- Vibration-feeder takes 500 loose machined contacts
- 4/8-Indent crimp conforms with MIL C-22520/1-01
- Program memory for 50 contact variations
- Stripping and crimping dimensions adjusted by means of electric motor
- The CA 4/8 Indent S features an oscillating conveyor with selective feed. It uses sensors and actuators to ensure that the contacts are correctly positioned for processing.

Technical data

	CA 4/8 Indent	CA 4/8 Indent S
Stripping range	0,14 ... 2,5 mm²	0,25 ... 4 mm²
Connection	220 V / 50 Hz / 115 VA	220 V / 50 Hz /115 VA
Drive	pneumatic	pneumatic
Compressed air connection	5 bar	5 bar
Processing time	approx. 2,5 s	approx. 2,5 s
Size W x D x H	450 x 490 x 420	530 x 500 x 600
Weight	40 kg	54 kg
Options	special blade fixture (profile blade, V-radius blade), special fixing device for stranded wires, shortened insertion length, monitoring of entry, feed equipped with selection unit, control of crimping force, interface	

Note on ordering

The machine is set up using sample contacts to suit the user's requirements. For this we need the name of the manufacturer, the type designation and the cross-sections of the contacts.

Detailed quotation available on request. Additional accessories can be found in our Heavy-Duty Connectors Catalogue.

Accessories

Accessories	Introduction	J.2
	Wire-end ferrules with plastic collar	J.4
	Twin wire-end ferrules with plastic collar	J.10
	Wire-end ferrules for short-circuit-proof and earth-fault-proof cables	J.13
	Wire-end ferrules with plastic collars, special sizes	J.14
	Wire-end ferrules without plastic collar	J.15
	Assortment of wire-end ferrules	J.16
	Insulated cable connectors, PVC, with conical cable entry	J.18

Accessories

Weidmüller stocks a comprehensive range of wire end ferrules and insulated cable lugs for immediate supply.

Wire end ferrules

Wire end ferrules ensure the long-term quality of electrical connections. Another advantage is their usefulness during installation. The wide range of products embraces wire end ferrules with or without plastic collars and twin wire endferrules in all the colours normally required by users.



Insulated cable lugs

Insulated cable lugs ensure the long-term quality of electrical connections. Most of the products in the range (apart from the butt connectors) have a conical inlet. This guarantees optimum entry of the conductor as the strands are automatically centred.



CSA - US certification

The following wire-end ferrules are CSA-US certified:

- Unconnected wire-end ferrules (bulk-packaged) from 0.14 mm² to 50 mm² (~ AWG 26 – 1)
- Twin wire-end ferrules from 2 x 0.5 mm² to 2 x 16 mm² (~ AWG 20 – 6)
- Special wire-end ferrules for use in small wire chambers and with AWG wires
- Tape-packaged wire-end ferrules on reels, or on belt, from 0.5 mm² to 2.5 mm² (~ AWG 20 – 14)
- Un-insulated wire-end ferrules from 0.14 mm² to 50 mm²

UL certification

The following wire-end ferrules are UL certified:

- Unconnected wire-end ferrules (bulk packaged) from 0.14 mm² to 50 mm² (~ AWG 26 – 1)

Tools

Tools for insulated cable lugs

Tool		Type of contact		
	Order No.	0.5 - 1.5	1.5 - 2.5	4.0 - 6.0
CTI 6	9006120000	●	●	●
CTI 6 G	9202850000	●	●	●
HTI 15	9014400000	●	●	
Station		red	blue	yellow

Crimping tools for ferrules

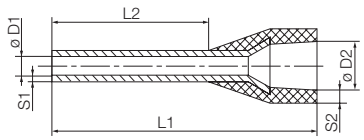
	PZ 1.5	stripax® plus 2.5	PZ 3	PZ 4	PZ 6 roto	PZ 6/5	PZ 16	PZ 50
	Order No.							
	9005990000	9020000000	0567300000	9012500000	9014350000	9011460000	9012600000	9006450000
Ferrule mm²								
H 0.14	●				●			
H 0.25	●				●	●		
H 0.34	●				●	●		
H 0.5	●	●[1]	●	●	●	●		
H 0.75	●	●[1]	●	●	●	●		
H 1.0	●	●[1]	●	●	●	●		
H 1.5	●	●[1]	●	●	●	●		
H 2.5		●[1]	●	●	●	●		
H 4.0			●	●	●	●		
H 6.0			●		●	●	●	
H 10.0							●	
H 16.0							●	
H 25.0								●
H 35.0								●
H 50.0								●

●[1] = ferrules in strip form only

Twin wire end ferrules are to be crimped according to the following table:

Tool		Ferrules								
	Order No.	H 0.5	H 0.75	H 1.0	H 1.5	H 2.5	H 4.0	H 6.0	H 10.0	H 16.0
PZ 1.5	9005990000	●	●							
PZ 3	0567300000	●	●	●	●	●				
PZ 4	9012500000	●	●	●	●	●				
PZ 6 roto	9014350000	●	●	●	●	●	●			
PZ 6/5	9011460000		●	●	●	●	●			
Station		1.5 mm²	1.5 mm²	2.5 mm²	2.5 mm²	4 mm²	6 mm²			
PZ ZH 16	9013600000							●	●	●

Wire-end ferrules with plastic collars



- Polypropylene conical entry funnel
- Heat-resistant up to 105°C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Weidmüller colour code

Packed loose



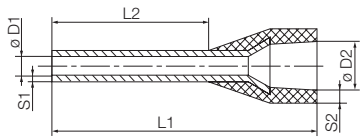
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,25/10 HBL	0.25	AWG 24	10.00	6	0.8	1.8	0.15	0.25	8	Light Blue	500	9025740000
H0,25/12 HBL	0.25	AWG 24	12.00	8	0.8	1.8	0.15	0.25	10	Light Blue	500	9025760000
H0,34/10 TK	0.34	AWG 22	10.00	6	0.8	2	0.15	0.25	8	Turquoise	500	9025750000
H0,34/12 TK	0.34	AWG 22	12.00	8	0.8	2	0.15	0.25	10	Turquoise	500	9025770000
H0,5/12 OR	0.5	AWG 20	12.00	6	1	2.6	0.15	0.25	8	Orange	500	0409500000
H0,5/14 OR	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	Orange	500	0690700000
H0,5/16 OR	0.5	AWG 20	16.00	10	1	2.6	0.15	0.25	12	Orange	500	9025870000
H0.5/18 OR	0.5	AWG 20	18.00	12	1	2.6	0.15	0.25	14	Orange	500	1076980000
H0,75/12 W	0.75	AWG 18	12.00	6	1.2	2.8	0.15	0.25	8	White	500	0409600000
H0,75/14 W	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	White	500	0462900000
H0,75/16 W	0.75	AWG 18	16.00	10	1.2	2.8	0.15	0.25	12	White	500	9025860000
H0,75/18 W	0.75	AWG 18	18.00	12	1.2	2.8	0.15	0.25	14	White	500	9025910000
H1,0/12 GE	1	AWG 17	12.00	6	1.4	3	0.15	0.25	8	Yellow	500	0409700000
H1,0/14 GE	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Yellow	500	0463000000
H1,0/16 GE	1	AWG 17	16.00	10	1.4	3	0.15	0.25	12	Yellow	500	9025950000
H1,0/18 GE	1	AWG 17	18.00	12	1.4	3	0.15	0.25	15	Yellow	500	9025930000
H1,5/14 R	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Red	500	0463100000
H2,5/15D BL	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Blue	500	9019160000
H1,5/16 R	1.5	AWG 16	16.00	10	1.7	3.5	0.15	0.25	12	Red	500	0635100000
H2,5/19D BL	2.5	AWG 14	19.00	12	2.2	4.2	0.15	0.25	14	Blue	500	9019170000
H1,5/24 R	1.5	AWG 16	24.00	18	1.7	3.5	0.15	0.25	20	Red	500	0565600000
H2,5/25D BL	2.5	AWG 14	25.00	18	2.2	4.2	0.15	0.25	20	Blue	500	9019180000
H4,0/18D GR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Grey	500	9019190000
H4,0/20D GR	4	AWG 12	20.00	12	2.8	4.8	0.2	0.3	14	Grey	500	9019200000
H4,0/26D GR	4	AWG 12	26.00	18	2.8	4.8	0.2	0.3	20	Grey	100	9019210000
H6,0/20 SW	6	AWG 10	20.00	12	3.5	6.3	0.2	0.3	14	Black	100	0533500000
H6,0/26 SW	6	AWG 10	26.00	18	3.5	6.3	0.2	0.3	20	Black	100	0565700000
H10,0/22 EB	10	AWG 7	22.00	12	4.5	7.6	0.2	0.4	15	Ivory	100	0534200000
H10,0/28 EB	10	AWG 7	28.00	18	4.5	7.6	0.2	0.4	21	Ivory	100	0565800000
H16,0/22 GN	16	AWG 6	22.00	12	5.8	8.8	0.2	0.4	15	Green	100	0565900000
H16,0/28 GN	16	AWG 6	28.00	18	5.8	8.8	0.2	0.4	21	Green	100	0566000000
H25,0/30 BR	25	AWG 3	30.00	16	7.3	11.2	0.2	0.4	18	Brown	50	0317000000
H25,0/36 BR	25	AWG 3	36.00	22	7.3	11.2	0.2	0.4	24	Brown	50	0317100000
H35,0/30 BE	35	AWG 2	30.00	16	8.3	12.7	0.2	0.4	19	Beige	50	0317200000
H35,0/39 BE	35	AWG 2	39.00	25	8.3	12.7	0.2	0.4	28	Beige	50	0317300000
H50/36 OLIV	50	AWG 1	36.00	20	10.3	15	0.3	0.5	26	Olive	50	0444200000
H70,0/37 GE	70	AWG 2/0	37.00	21	12.7	16	0.35	0.6	26	Yellow	25	9028200000
H95,0/44 R	95	AWG 3/0	44.00	25	14.7	18	0.35	0.6	31	Red	25	9028210000
H120,0/50 BL	120	AWG 4/0	50.00	30	16.5	21	0.5	0.7	36	Blue	25	9028220000
H150,0/54 GE	150	AWG 300 MCM	54.00	32	18.5	23.5	0.5	0.75	38	Yellow	25	9028230000

Weidmüller colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.14/10 GR	0.14	AWG 26	10.00	6	0.6	1.5	0.15	0.25	8	Grey	500	9005180000
H0.14/12 GR	0.14	AWG 26	12.00	8	0.6	1.5	0.15	0.25	10	Grey	500	9028240000
H0.25/10 HB	0.25	AWG 24	10.00	6	0.8	1.8	0.15	0.25	8	Light Blue	500	9026050000
H0.25/12 HB	0.25	AWG 24	12.00	8	0.8	1.8	0.15	0.25	10	Light Blue	500	9025780000
H0.34/10 TK	0.34	AWG 22	10.00	6	0.8	2	0.15	0.25	8	Turquoise	500	9026030000
H0.34/12 TK	0.34	AWG 22	12.00	8	0.8	2	0.15	0.25	10	Turquoise	500	9025790000
H0.5/12 OR	0.5	AWG 20	12.00	6	1	2.6	0.15	0.25	8	Orange	500	9028260000
H0.5/14 OR	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	Orange	500	9026060000
H0.5/16 OR	0.5	AWG 20	16.00	10	1	2.6	0.15	0.25	12	Orange	500	9028270000
H0.75/12 W	0.75	AWG 18	12.00	6	1.2	2.8	0.15	0.25	8	White	500	9028280000
H0.75/14 W	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	White	500	9026070000
H0.75/16 W	0.75	AWG 18	16.00	10	1.2	2.8	0.15	0.25	12	White	500	9028290000
H0.75/18 W	0.75	AWG 18	18.00	12	1.2	2.8	0.15	0.25	14	White	500	9028300000
H1.0/12 GE	1	AWG 17	12.00	6	1.4	3	0.15	0.25	8	Yellow	500	9028310000
H1.0/14 GE	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Yellow	500	9026080000
H1.0/16 GE	1	AWG 17	16.00	10	1.4	3	0.15	0.25	12	Yellow	500	9028320000
H1.0/18 GE	1	AWG 17	18.00	12	1.4	3	0.15	0.25	15	Yellow	500	9028340000
H1.5/14 R S	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Red	500	9026090000
H1.5/16 R S	1.5	AWG 16	16.00	10	1.7	3.5	0.15	0.25	12	Red	500	9028350000
H2.5/15 BL	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Blue	500	9026100000
H4.0/18 GR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Grey	250	9026010000



- Polypropylene conical entry funnel
- Heat-resistant up to 105°C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Weidmüller colour code

Strips of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14 OR BD	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	Orange	500	**9004270000**
H0,75/14 W BD	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	White	500	**9004290000**
H1,0/14 GE BD	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Yellow	500	**9004320000**
H1,5/14 R BD	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Red	500	**9004340000**
H2,5/14D BL BD	2.5	AWG 14	14.00	8	2.5	4	0.15	0.25	11	Blue	500	**9004360000**

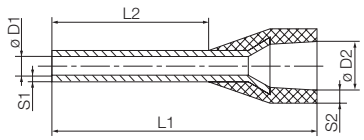
Weidmüller colour code

Reel of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.34/12 TK	0.34	AWG 22	12.00	8	0.8	2	0.15	0.25	10	Turquoise	5000	**9004390000**
H0.5/14 OR	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	Orange	5000	**9005810000**
H0.75/14 W	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	White	5000	**9005820000**
H1.0/14 GE	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Yellow	5000	**9005830000**
H1.5/14 R B	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Red	5000	**9005840000**
H2.5/14D BL	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	10	Blue	3000	**9005850000**

Wire-end ferrules with plastic collars



- Polypropylene conical entry funnel
- Heat-resistant up to 105 °C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

DIN colour code

Packed loose



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	VG*	Qty.	Order No.
H0.5/18D W	0.5	AWG 20	18.00	12	1	2.6	0.15	0.25	14	White	T 20A 003 A	500	1076990000
H0.5/12D W	0.5	AWG 20	12.00	6	1	2.6	0.15	0.25	8	White	T 20A 001 A	500	9019000000
H0.75/14D G	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Grey	T 20A 004 A	500	9019040000
H0.5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	T 20A 002 A	500	9019010000
H0.5/16D W	0.5	AWG 20	16.00	10	1	2.6	0.15	0.25	12	White	T 20A 003 A	500	9019020000
H0.75/12D G	0.75	AWG 18	12.00	6	1.2	2.8	0.15	0.25	8	Grey	T 20A 005 A	500	9019030000
H0.75/16D G	0.75	AWG 18	16.00	10	1.2	2.8	0.15	0.25	12	Grey	T 20A 006 A	500	9019050000
H0.75/18D G	0.75	AWG 18	18.00	12	1.2	2.8	0.15	0.25	14	Grey	T 20A 007 A	500	9019060000
H1.0/12D R	1	AWG 17	12.00	6	1.4	3	0.15	0.25	8	Red	T 20A 008 A	500	9019070000
H1.0/14D R	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	T 20A 009 A	500	9019080000
H1.0/16D R	1	AWG 17	16.00	10	1.4	3	0.15	0.25	12	Red	T 20A 010 A	500	9019100000
H1.0/18D R	1	AWG 17	18.00	12	1.4	3	0.15	0.25	15	Red	T 20A 011 A	500	9019110000
H1.5/14D SW	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Black	T 20A 012 A	500	9019120000
H1.5/16D SW	1.5	AWG 16	16.00	10	1.7	3.5	0.15	0.25	12	Black	T 20A 013 A	500	9019130000
H1.5/18D SW	1.5	AWG 16	18.00	12	1.7	3.5	0.15	0.25	15	Black	T 20A 014 A	500	9019140000
H1.5/24D SW	1.5	AWG 16	24.00	18	1.7	3.5	0.15	0.25	20	Black	T 20A 015 A	500	9019150000
H2.5/15D BL	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Blue	T 20A 017 A	500	9019160000
H2.5/19D BL	2.5	AWG 14	19.00	12	2.2	4.2	0.15	0.25	14	Blue	T 20A 017 A	500	9019170000
H2.5/25D BL	2.5	AWG 14	25.00	18	2.2	4.2	0.15	0.25	20	Blue	T 20A 018 A	500	9019180000
H4.0/18D GR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Grey	T 20A 019 A	500	9019190000
H4.0/20D GR	4	AWG 12	20.00	12	2.8	4.8	0.2	0.3	14	Grey	T 20A 020 A	500	9019200000
H4.0/26D GR	4	AWG 12	26.00	18	2.8	4.8	0.2	0.3	20	Grey	T 20A 021 A	100	9019210000
H6.0/20D GE	6	AWG 10	20.00	12	3.5	6.3	0.2	0.3	14	Yellow	T 20A 022 A	100	9019220000
H6.0/26D GE	6	AWG 10	26.00	18	3.5	6.3	0.2	0.3	20	Yellow	T 20A 023 A	100	9019230000
H10.0/22D R	10	AWG 7	22.00	12	4.5	7.6	0.2	0.4	15	Red	T 20A 024 A	100	9019240000
H10.0/28D R	10	AWG 7	28.00	18	4.5	7.6	0.2	0.4	21	Red	T 20A 025 A	100	9019250000
H16.0/22D B	16	AWG 6	22.00	12	5.8	8.8	0.2	0.4	15	Blue	T 20A 026 A	100	9019260000
H16.0/28D B	16	AWG 6	28.00	18	5.8	8.8	0.2	0.4	21	Blue	T 20A 027 A	100	9019270000
H25.0/30D 1	25	AWG 3	30.00	16	7.3	11.2	0.2	0.4	18	Yellow	T 20A 028 A	50	9019280000
H25.0/36D G	25	AWG 3	36.00	22	7.3	11.2	0.2	0.4	24	Yellow	T 20A 030 A	50	9019300000
H35.0/30D 1	35	AWG 2	30.00	16	8.3	12.7	0.2	0.4	19	Red	T 20A 031 A	50	9019310000
H35.0/32D R	35	AWG 2	32.00	18	8.3	12.7	0.2	0.4	19	Red	T 20A 032 A	50	9019320000
H35.0/39D R	35	AWG 2	39.00	25	8.3	12.7	0.2	0.4	28	Red	T 20A 033 A	50	9019330000
H50.0/41D B	50	AWG 1	41.00	25	10.3	15	0.3	0.5	31	Blue	T 20A 035 A	50	9019350000
H50.0/36D BL	50	AWG 1	36.00	20	10.3	15	0.3	0.5	26	Blue	T 20A 034 A	50	9019340000

DIN colour code

In multi-pack bag



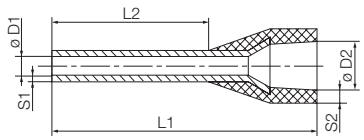
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	VG*	Qty.	Order No.
H0.75/14D G	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Grey	T 20A 005 A	500	9019410000
H0.5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	T 20A 002 A	500	9019400000
H1.0/14D R	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	T 20A 009 A	500	9019420000
H1.5/14D SW	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Black	T 20A 012 A	500	9019430000
H2.5/15 BL	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Blue	T 20A 017 A	500	9026100000
H4.0/18 GR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Grey	T 20A 019 A	250	9026010000

DIN colour code

Strips of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	VG*	Qty.	Order No.
H0.5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	T 20A 002 A	500	9004280000
H0.75/14D G	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Grey	T 20A 005 A	500	9004300000
H1.0/14D R	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	T 20A 009 A	500	9004330000
H1.5/14D SW	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Black	T 20A 012 A	500	9004350000
H2.5/14D BL	2.5	AWG 14	14.00	8	2.5	4	0.15	0.25	11	Blue	T 20A 017 A	500	9004360000



- Polypropylene conical entry funnel
- Heat-resistant up to 105 °C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

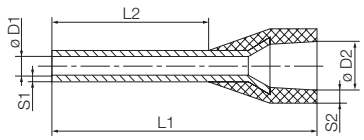
DIN colour code

Reel of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14D W BD GSP	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	5000	**9005860000**
H0,75/14D GR	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Grey	5000	**9005870000**
H1,0/14D R BD GSP	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	5000	**9005880000**
H1,5/14D SW BD GSP	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Black	5000	**9005890000**
H2,5/14D BL BD GSP	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	10	Blue	3000	**9005850000**

Wire-end ferrules with plastic collars



- Polypropylene conical entry funnel
- Heat-resistant up to 105 °C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Other colour code

Packed loose



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,25/10T GE	0.25	AWG 24	10.00	6	0.8	1.8	0.15	0.25	8	Yellow	500	9021010000
H0,25/12T GE	0.25	AWG 24	12.00	8	0.8	1.8	0.15	0.25	10	Yellow	500	9021020000
H0,5/12D W	0.5	AWG 20	12.00	6	1	2.6	0.15	0.25	8	White	500	9019000000
H0,5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	500	9019010000
H0,5/16D W	0.5	AWG 20	16.00	10	1	2.6	0.15	0.25	12	White	500	9019020000
H0,75/12D GR	0.75	AWG 18	12.00	6	1.2	2.8	0.15	0.25	8	Grey	500	9019030000
H0.75/14 HBL	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Light Blue	500	9021040000
H0,75/16T HBL	0.75	AWG 18	16.00	10	1.2	2.8	0.15	0.25	12	Light Blue	500	9021050000
H0,75/18T HBL	0.75	AWG 18	18.00	12	1.2	2.8	0.15	0.25	14	Light Blue	500	9021060000
H1,0/16D R	1	AWG 17	16.00	10	1.4	3	0.15	0.25	12	Red	500	9019100000
H1,0/18D R	1	AWG 17	18.00	12	1.4	3	0.15	0.25	15	Red	500	9019110000
H1,5/14D SW	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Black	500	9019120000
H1,5/16D SW	1.5	AWG 16	16.00	10	1.7	3.5	0.15	0.25	12	Black	500	9019130000
H1,5/18D SW	1.5	AWG 16	18.00	12	1.7	3.5	0.15	0.25	15	Black	500	9019140000
H1,5/24D SW	1.5	AWG 16	24.00	18	1.7	3.5	0.15	0.25	20	Black	500	9019150000
H2,5/15T GR	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Grey	500	9021070000
H2,5/19T GR	2.5	AWG 14	19.00	12	2.2	4.2	0.15	0.25	14	Grey	500	9021080000
H2,5/25T GR	2.5	AWG 14	25.00	18	2.2	4.2	0.15	0.25	20	Grey	500	9021090000
H4,0/18T OR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Orange	500	9021100000
H4,0/20T OR	4	AWG 12	20.00	12	2.8	4.8	0.2	0.3	14	Orange	500	9021110000
H4,0/26T OR	4	AWG 12	26.00	18	2.8	4.8	0.2	0.3	20	Orange	100	9021120000
H6,0,0/20T GN	6	AWG 10	20.00	12	3.5	6.3	0.2	0.3	14	Green	100	9021130000
H6/26T GN	6	AWG 10	26.00	18	3.5	6.3	0.2	0.3	20	Green	100	9021140000
H10,0/22T BR	10	AWG 7	22.00	12	4.5	7.6	0.2	0.4	15	Brown	100	9021150000
H10,0/28T BR	10	AWG 7	28.00	18	4.5	7.6	0.2	0.4	21	Brown	100	9021160000
H16,0/22T W	16	AWG 6	22.00	12	5.8	8.8	0.2	0.4	15	White	100	9021170000
H16,0/28T W	16	AWG 6	28.00	18	5.8	8.8	0.2	0.4	21	White	100	9021180000
H25,0/30T SW	25	AWG 3	30.00	16	7.3	11.2	0.2	0.4	18	Black	50	9021190000
H25,0/36T SW	25	AWG 3	36.00	22	7.3	11.2	0.2	0.4	24	Black	50	9021200000

Other colour code

In multi-pack bag



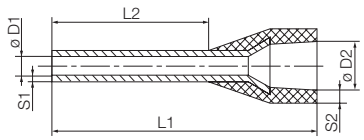
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.14/10T B	0.14	AWG 26	10.00	6	0.6	1.5	0.15	0.25	8	Brown	500	9028250000
H0.25/10T G	0.25	AWG 24	10.00	6	0.8	1.8	0.15	0.25	8	Yellow	500	9021210000
H0.25/12T G	0.25	AWG 24	12.00	8	0.8	1.8	0.15	0.25	10	Yellow	500	9021220000
H0.5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	500	9019400000
H0.75/14T H	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Light Blue	500	9021230000
H1.0/14D R	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	500	9019420000
H1.5/14D SW	1.5	AWG 16	14.00	8	1.7	3.5	0.15	0.25	10	Black	500	9019430000
H2.5/15T GR	2.5	AWG 14	15.00	8	2.2	4.2	0.15	0.25	10	Grey	500	9021240000
H4.0/18T OR	4	AWG 12	18.00	10	2.8	4.8	0.2	0.3	12	Orange	250	9021250000

Other colour code

Strips of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.5/14D W	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	500	9004280000
H0.75/14T H	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Light Blue	500	9004310000
H1.0/14D R	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	500	9004330000
H1.5/14D SW	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Black	500	9004350000
H2.5/14T GR	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	11	Grey	500	9004370000



- Polypropylene conical entry funnel
- Heat-resistant up to 105 °C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.14-150 mm² (AWG 26-300MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

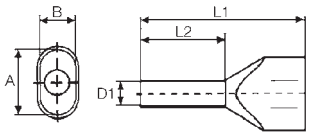
Other colour code

Reel of linked wire-end ferrules



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14D W BD GSP	0.5	AWG 20	14.00	8	1	2.6	0.15	0.25	10	White	5000	**9005860000**
H0,75/14T BL BD GSP	0.75	AWG 18	14.00	8	1.2	2.8	0.15	0.25	10	Blue	5000	**9005900000**
H1,0/14D R BD GSP	1	AWG 17	14.00	8	1.4	3	0.15	0.25	10	Red	5000	**9005880000**
H1,5/14D SW BD GSP	1.5	AWG 16	14.00	8	1.7	3.2	0.15	0.25	10	Black	5000	**9005890000**
H2,5/14T GR BD GSP	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	10	Grey	3000	**9005910000**

Twin wire-end ferrules with plastic collars



Polypropylene insertion funnel
Heat resistant up to 105 °C
If required, the insertion funnel can also be manufactured from a low-flammability material

For conductors of 2 x 0.5-2 x 16 mm² (2 x AWG 20-2 x AWG6)
Material E-Cu, tin-plated
Dimensional tolerance acc. to DIN 46228, part 4

Weidmüller colour code

Packed loose



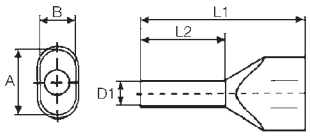
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,34/14 ZH TK	0.34	AWG 22	14.00				0.15			Turquoise	500	1139070000
H0,5/14 ZH OR	0.5	AWG 20	14.00	8	1.4		0.15	0.3	11	Orange	500	9037200000
H0,5/16 ZH OR	0.5	AWG 20	16.00	10	1.4		0.15	0.3	13	Orange	500	9037210000
H0,5/18 ZH OR	0.5	AWG 20	18.00	12	1.4		0.15	0.3	15	Orange	500	9037220000
H0,75/14 ZH W	0.75	AWG 18	14.00	8	1.7		0.15	0.3	11	White	500	9037230000
H0,75/16 ZH W	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	White	500	9037240000
H0,75/19S ZH W	0.75	AWG 18	19.00	12	1.7		0.15	0.3	21	White	500	9202820000
H0,75/24 ZH W	0.75	AWG 18	24.00	18	1.7		0.15	0.3	21	White	500	9037250000
H1,0/15 ZH GE	1	AWG 17	15.00	8	2		0.15	0.3	11	Yellow	500	9037260000
H1,0/15S ZH GE	1	AWG 17	15.00	8	2.2		0.15	0.3	12	Yellow	500	9018690000
H1,0/19 ZH GE	1	AWG 17	19.00	12	2		0.15	0.3	16	Yellow	500	9037270000
H1,0/25 ZH GE	1	AWG 17	25.00	18	2		0.15	0.3	22	Yellow	500	9037280000
H1,5/16 ZH R	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Red	500	9037290000
H1,5/20 ZH R	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Red	500	9037300000
H1,5/26 ZH R	1.5	AWG 16	26.00	18	2.2		0.15	0.3	21	Red	100	9037310000
H2,5/19D ZH BL	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Blue	500	9037500000
H2,5/21D ZH BL	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Blue	100	9037510000
H2,5/27D ZH BL	2.5	AWG 14	27.00	18	2.8		0.15	0.4	21	Blue	100	9037520000
H4,0/22D ZH GR	4	AWG 12	22.00	12	3.5		0.2	0.5	15	Grey	100	9037530000
H4,0/28D ZH GR	4	AWG 12	28.00	18	3.5		0.2	0.5	21	Grey	100	9037540000
H6,0/23 ZH SW	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Black	100	9037320000
H6,0/29 ZH SW	6	AWG 10	29.00	18	4.5		0.2	0.5	24	Black	100	9037330000
H10,0/24 ZH EB	10	AWG 7	24.00	12	5.8		0.2	0.5	17	Ivory	100	9037340000
H10,0/30 ZH EB	10	AWG 7	30.00	18	5.8		0.2	0.5	23	Ivory	100	9037350000
H10/24S ZH EB	10	AWG 7	24.00	12	6.5		0.2	0.5	17	Ivory	100	9018860000
H10/30S ZH EB	10	AWG 7	30.00	18	6.5		0.2	0.5	23	Ivory	100	9018870000
H16,0/29 ZH GN	16	AWG 6	29.00	16	8.3		0.3	0.6	20	Green	50	9037360000
H16,0/38 ZH GN	16	AWG 6	38.00	25	8.3		0.3	0.6	29	Green	50	9037370000

Weidmüller colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.5/14 ZH	0.5	AWG 20	14.00	8	1.4		0.15	0.3	11	Orange	500	9004440000
H0.75/14 ZH	0.75	AWG 18	14.00	8	1.7		0.15	0.3	11	White	500	9018510000
H0.75/16 ZH	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	White	500	9004900000
H1.0/15 ZH	1	AWG 17	15.00	8	2		0.15	0.3	12	Yellow	500	9018530000
H1.0/15S ZH	1	AWG 17	15.00	8	2.2		0.15	0.3	12	Yellow	500	9018650000
H1.0/19 ZH	1	AWG 17	19.00	12	2		0.15	0.3	16	Yellow	500	9004910000
H1.5/16 ZH	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Red	500	9004410000
H2.5/19D ZH	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Blue	250	9004430000
H1.5/20 ZH	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Red	500	9004920000
H2.5/21D ZH	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Blue	250	9004740000
H4/22D ZH G	4	AWG 12	22.00	12	3.5		0.2	0.5	15	Grey	100	9004730000
H6.0/23 ZH	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Black	100	9004930000
H10.0/24 ZH	10	AWG 7	24.00	12	5.8		0.2	0.5	17	Ivory	100	9004940000



- Polypropylene conical entry funnel
- Heat-resistant up to 105°C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors of 2 x 0.5-2 x 16 mm² (2 x AWG 20-2 x AWG6)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

DIN colour code

Packed loose



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14D ZH W	0.5	AWG 20	14.00	8	1.4		0.15	0.3	11	White	500	9037380000
H0,5/16D ZH W	0.5	AWG 20	16.00	10	1.4		0.15	0.3	13	White	500	9037390000
H0,5/18D ZH W	0.5	AWG 20	18.00	12	1.4		0.15	0.3	15	White	500	9037400000
H0,75/14D ZH GR	0.75	AWG 18	14.00	8	1.7		0.15	0.3	11	Grey	500	9037410000
H0,75/16D ZH GR	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	Grey	500	9037420000
H0,75/19DS ZH GR	0.75	AWG 18	19.00	12	1.7		0.15	0.3	21	Grey	500	9202830000
H0,75/24D ZH GR	0.75	AWG 18	24.00	18	1.7		0.15	0.3	21	Grey	500	9037430000
H1,0/15D ZH R	1	AWG 17	15.00	8	2		0.15	0.3	11	Red	500	9037440000
H1,0/19D ZH R	1	AWG 17	19.00	12	2		0.15	0.3	16	Red	500	9037450000
H1,0/22DS R ZH	1	AWG 17	22.00		2		0.15	0.3	21	Red	500	9036330000
H1,0/25D ZH R	1	AWG 17	25.00	18	2		0.15	0.3	22	Red	500	9037460000
H1,5/16D ZH SW	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Black	500	9037470000
H1,5/20D ZH SW	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Black	500	9037480000
H1,5/26D ZH SW	1.5	AWG 16	25.00	18	2.2		0.15	0.3	21	Black	100	9037490000
H2,5/19D ZH BL	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Blue	500	9037500000
H2,5/21D ZH BL	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Blue	100	9037510000
H2,5/27D ZH BL	2.5	AWG 14	27.00	18	2.8		0.15	0.4	21	Blue	100	9037520000
H4,0/22D ZH GR	4	AWG 12	22.00	12	3.5		0.2	0.5	15	Grey	100	9037530000
H6,0/23D ZH GE	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Yellow	100	9037550000
H4,0/28D ZH GR	4	AWG 12	28.00	18	3.5		0.2	0.5	21	Grey	100	9037540000
H6,0/29D ZH GE	6	AWG 10	29.00	18	4.5		0.2	0.5	24	Yellow	100	9037560000
H10,0/24D ZH R	10	AWG 7	24.00	12	5.8		0.2	0.5	17	Red	100	9037570000
H10,0/24DS ZH R	10	AWG 7	24.00	12	6.5		0.2	0.5	17	Red	100	9018880000
H10,0/30D ZH R	10	AWG 7	30.00	18	5.8		0.2	0.5	23	Red	100	9037580000
H10/30DS ZH R	10	AWG 7	30.00	18	6.5		0.2	0.5	23	Red	100	9018890000
H16,0/29D ZH BL	16	AWG 6	29.00	16	8.3		0.3	0.6	20	Blue	50	9037590000
H16,0/38D ZH BL	16	AWG 6	38.00	25	8.3		0.3	0.6	29	Blue	50	9037600000

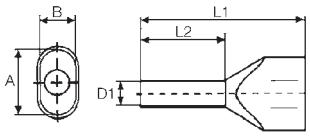
DIN colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.5/14D ZH	0.5	AWG 20	14.00	8	1.4		0.15	0.3	11	White	500	9004780000
H0.75/14D Z	0.75	AWG 18	14.00	8	1.7		0.15	0.3	11	Grey	500	9018520000
H1.0/15D ZH	1	AWG 17	15.00	8	2.2		0.15	0.3	12	Red	500	9018540000
H1.0/19D ZH	1	AWG 17	19.00	12	2		0.15	0.3	16	Red	500	9004760000
H0.75/16D Z	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	Grey	500	9004770000
H1.5/16D ZH	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Black	500	9004420000
H1.5/20D SW	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Black	500	9004750000
H2.5/19D ZH	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Blue	250	9004430000
H2.5/21D ZH	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Blue	250	9004740000
H4/22D ZH G	4	AWG 12	22.00	12	3.5		0.2	0.5	15	Grey	100	9004730000
H6.0/23D ZH	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Yellow	100	9004720000
H10.0/26D R	10	AWG 7	26.00	12	5.8		0.2	0.5	17	Red	100	9004710000

Twin wire-end ferrules with plastic collars



- Polypropylene conical entry funnel
- Heat-resistant up to 105°C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors of 2 x 0.5-2 x 16 mm² (2 x AWG 20-2 x AWG6)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Other colour code

Packed loose



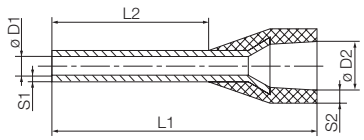
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14 ZH OR	0.5	AWG 20	14.00	8	1.4		0.15	0.3	11	Orange	500	9037200000
H0,5/16 ZH OR	0.5	AWG 20	16.00	10	1.4		0.15	0.3	13	Orange	500	9037210000
H0,75/14T ZH HBL	0.75	AWG 18	14.00	8	1.7		0.15	0.3	11	Light Blue	500	9037610000
H0,5/18 ZH OR	0.5	AWG 20	18.00	12	1.4		0.15	0.3	15	Orange	500	9037220000
H0,75/16T ZH HBL	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	Light Blue	500	9037620000
H0,75/19TS ZH HBL	0.75	AWG 18	19.00	12	1.7		0.15	0.3	21	Light Blue	500	9202840000
H0,75/24T ZH HBL	0.75	AWG 18	24.00	18	1.7		0.15	0.3	21	Light Blue	500	9037630000
H1,0/15D ZH R	1	AWG 17	15.00	8	2		0.15	0.3	11	Red	500	9037440000
H1,0/19D ZH R	1	AWG 17	19.00	12	2		0.15	0.3	16	Red	500	9037450000
H1,0/25D ZH R	1	AWG 17	25.00	18	2		0.15	0.3	22	Red	500	9037460000
H1,5/16D ZH SW	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Black	500	9037470000
H1,5/20D ZH SW	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Black	500	9037480000
H1,5/26D ZH SW	1.5	AWG 16	25.00	18	2.2		0.15	0.3	21	Black	100	9037490000
H2,5/19T ZH GR	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Grey	500	9037640000
H2,5/21T ZH GR	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Grey	100	9037650000
H2,5/27T ZH GR	2.5	AWG 14	27.00	18	2.8		0.15	0.4	21	Grey	100	9037660000
H4,0/22T ZH OR	4	AWG 12	22.00	12	3.5		0.2	0.5	15	Orange	100	9037670000
H4,0/28T ZH OR	4	AWG 12	28.00	18	3.5		0.2	0.5	21	Orange	100	9037680000
H6,0/23T ZH GN	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Green	100	9037690000
H6,0/29T ZH GN	6	AWG 10	29.00	18	4.5		0.2	0.5	24	Green	100	9037700000
H10,0/24T ZH BR	10	AWG 7	24.00	12	5.8		0.2	0.5	17	Brown	100	9037710000
H10,0/30T ZH BR	10	AWG 7	30.00	18	5.8		0.2	0.5	23	Brown	100	9037720000
H16,0/29T ZH W	16	AWG 6	29.00	16	8.3		0.3	0.6	20	White	50	9037730000
H16,0/38T ZH W	16	AWG 6	38.00	25	8.3		0.3	0.6	29	White	50	9037740000

Other colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.75/16T Z	0.75	AWG 18	16.00	10	1.7		0.15	0.3	13	Light Blue	500	9005140000
H1.0/15D ZH	1	AWG 17	15.00	8	2.2		0.15	0.3	12	Red	500	9018540000
H1.0/19D ZH	1	AWG 17	19.00	12	2		0.15	0.3	16	Red	500	9004760000
H1.5/16D ZH	1.5	AWG 16	16.00	8	2.2		0.15	0.3	11	Black	500	9004420000
H1.5/20D SW	1.5	AWG 16	20.00	12	2.2		0.15	0.3	15	Black	500	9004750000
H2.5/19T ZH	2.5	AWG 14	19.00	10	2.8		0.15	0.4	13	Grey	250	9018580000
H2.5/21 ZH	2.5	AWG 14	21.00	12	2.8		0.15	0.4	15	Grey	250	9005150000
H4.0/22T ZH	4	AWG 12	2.00	12	3.5		0.2	0.5	15	Orange	100	9018590000
H6.0/23T ZH	6	AWG 10	23.00	12	4.5		0.2	0.5	20	Green	100	9005160000
H10.0/26T Z	10	AWG 7	26.00	12	5.8		0.2	0.5	17	Brown	100	9005170000



- Polypropylene conical entry funnel
- Heat-resistant up to 105 °C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 1.5-16 mm² (AWG 26-250MCM)
Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Weidmüller colour code

Packed loose



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H1,5/24 XS SW	1.5	AWG 16	24.00	14.5	1.8	6.8	0.15	0.3	13	Black	100	**9202870000**
H2,5/24 XS BL	2.5	AWG 14	24.00	14.5	2.3	7.6	0.15	0.3	20	Black	100	**9202880000**

Weidmüller colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H1.5/17.5X	1.5	AWG 16	17.50	8	1.8	6.8	0.15	0.3	13	Black	100	**9006590000**
H1.5/19.5X	1.5	AWG 16	19.50	10	1.8	6.8	0.15	0.3	15	Black	100	**9006630000**
H2.5/17.5X	2.5	AWG 14	17.50	8	2.3	7.6	0.15	0.3	14	Blue	100	**9006670000**
H2.5/21.5X	2.5	AWG 14	21.50	12	2.3	7.6	0.15	0.3	17	Blue	100	**9006710000**
H4.0/19.5X	4	AWG 12	19.50	10	2.9	7.8	0.2	0.3	14	Grey	100	**9006750000**
H6.0/23.0X	6	AWG 10	23.00	12	3.6	8.1	0.2	0.3	17	Yellow	100	**9006790000**
H10.0/24.0X	10	AWG 7	24.00	12	4.6	9.6	0.2	0.3	17	Red	100	**9006830000**
H16,0/25,5X	16	AWG 6	25.50	12	6	11.9	0.2	0.3	26	Blue	100	**9006870000**

Wire-end ferrules with plastic collars, special sizes

- Polypropylene conical entry funnel
- Heat-resistant up to 105°C
- The entry funnel can also be manufactured from a non-flammable material on request

For conductors from 0.5-2.5 mm² Material E-Cu, electro-galvanised
Dimensional tolerance acc. to DIN 46228 Part 4

Weidmüller colour code

Packed loose



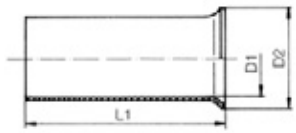
Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,34/11 S TK	0.34	AWG 22	11.00	6	0.85	2.6	0.15	0.4	6	Turquoise	500	**9204090000**
H0,5/14S OR	0.5	AWG 20	14.00	8	1	2.9	0.15	0.25	10	Orange	500	**9004560000**
H0,5/14S W	0.5	AWG 20	14.00	8	1	2.9	0.15	0.25	10	White	500	**9004590000**
H0,5/16 DS W	0.5	AWG 20	16.00	10	1	2.9	0.15	0.25	12	White	500	**9202910000**
H 0,5/16 S OR	0.5	AWG 20	16.00	10	1	2.9	0.15	0.25	12	Orange	500	**9202900000**
H0,75/14DS GR	0.75	AWG 18	14.00	8	1.2	3.4	0.15	0.25	10	Grey	500	**9028580000**
H0,75/14S W	0.75	AWG 18	14.00	8	1.2	3.4	0.15	0.25	10	White	500	**9025960000**
H0,75/14TS HBL	0.75	AWG 18	14.00	8	1.2	3.4	0.15	0.25	10	Light Blue	500	**9018550000**
H0,75/15S HBL	0.75	AWG 18	15.00	9	1.2	2.8	0.15	0.25	10	Light Blue	500	**9204240000**
H1,0/14S GE	1	AWG 17	14.00	8	1.4	3.5	0.15	0.25	10	Yellow	500	**9025970000**
H1,0/14S R	1	AWG 17	14.00	8	1.4	3.5	0.15	0.25	10	Red	500	**9018560000**
H1,5/12S R	1.5	AWG 16	12.00	6	1.7	3.9	0.15	0.25	8	Red	500	**9025690000**
H1,5/14S R	1.5	AWG 16	144.00	8	1.7	3.9	0.15	0.25	10	Red	500	**9025980000**
H1,5/14S SW	1.5	AWG 16	14.00	8	1.7	3.9	0.15	0.25	10	Black	500	**9025240000**
H2,5/12DS BL	2.5	AWG 14	12.00	6	2.2	4.2	0.15	0.25	8	Blue	500	**9028490000**
H2,5/12TS GR	2.5	AWG 14	12.00	6	2.2	4.2	0.15	0.25	8	Grey	500	**9036200000**
H2,5/14S BL	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	10	Blue	500	**1333100000**
H2,5/14TS GR	2.5	AWG 14	14.00	8	2.2	4	0.15	0.25	10	Grey	500	**9426770000**
H2,5/16DS BL	2.5	AWG 14	16.00	10	2.2	4.2	0.15	0.25	13	Blue	500	**9036220000**
H 4,0/20 DS GR	4	AWG 12	20.00	12	2.9	4.7	0.2	0.5	15	Grey	500	**9203630000**
H 10,0/22 S EB	10	AWG 7	22.00	12	4.6	7.1	0.2	0.6	15	Ivory	100	**9203620000**

Weidmüller colour code

In multi-pack bag



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0.75/14S W	0.75	AWG 18	14.00	8	1.2	3.4	0.15	0.25	10	White	500	**9025700000**
H1.0/14S GE	1	AWG 17	14.00	8	1.4	3.5	0.15	0.25	10	Yellow	500	**9025710000**
H1.5/14DS S	1.5	AWG 16	14.00	8	1.7	3.9	0.15	0.25	10	Black	500	**9028360000**
H1.5/14S R	1.5	AWG 16	14.00	8	1.7	3.9	0.15	0.25	10	Red	500	**9025720000**



For conductors 0.25-185 mm² (AWG 24-350MCM)Material: tin-plated copper
Dimensional tolerances to DIN 46228 part 1

Without plastic collar

Packed loose



Type	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Order No.
H0,25/5	0.25	AWG 24	5.00		0.8	1.6			5	1000	9018910000
H0,5/10	0.5	AWG 20	10.00		1	2.1			10	1000	9004050000
H0,5/6	0.5	AWG 20	6.00		1	2.1			6	1000	0282600000
H0,75/10	0.75	AWG 18	10.00		1.2	2.3			10	1000	0542500000
H0,75/6	0.75	AWG 18	6.00		1.2	2.3			6	1000	0282700000
H1,0/10	1	AWG 17	10.00		1.4	2.5			10	1000	0282800000
H1,0/6	1	AWG 17	6.00		1.4	2.5			6	1000	0372600000
H1,5/10	1.5	AWG 16	10.00		1.7	2.8			10	1000	0186500000
H1,5/12	1.5	AWG 16	12.00		1.7	2.8			12	1000	9004060000
H1,5/18	1.5	AWG 16	18.00		1.7	2.8			18	1000	9004070000
H1,5/7	1.5	AWG 16	7.00		1.7	2.8			7	1000	0372700000
H2,5/10	2.5	AWG 14	10.00		2.2	3.4			10	1000	9004080000
H2,5/12	2.5	AWG 14	12.00		2.2	3.4			12	1000	0186100000
H2,5/18	2.5	AWG 14	18.00		2.2	3.4			18	1000	9004090000
H2,5/7	2.5	AWG 14	7.00		2.2	3.4			7	1000	0373000000
H4,0/12	4	AWG 12	12.00		2.8	4			12	1000	0244100000
H4,0/15	4	AWG 12	15.00		2.8	4			15	500	9004100000
H4,0/18	4	AWG 12	18.00		2.8	4			18	500	9004110000
H4,0/9	4	AWG 12	9.00		2.8	4			9	500	0373100000
H6,0/10	6	AWG 10	10.00		3.5	4.7			10	500	9004120000
H6,0/12	6	AWG 10	12.00		3.5	4.7			12	500	0191900000
H6,0/15	6	AWG 10	15.00		3.5	4.7			15	500	0124700000
H6,0/18	6	AWG 10	18.00		3.5	4.7			18	500	9004130000
H10,0/12	10	AWG 7	12.00		4.5	5.8			12	500	0282900000
H10,0/15	10	AWG 7	15.00		4.5	5.8			15	500	0124800000
H10,0/18	10	AWG 7	18.00		4.5	5.8			18	500	0379300000
H16,0/12	16	AWG 6	12.00		5.8	7.5			12	500	0492500000
H16,0/15	16	AWG 6	15.00		5.8	7.5			15	500	0124300000
H16,0/18	16	AWG 6	18.00		5.8	7.5			18	100	0375200000
H16,0/25	16	AWG 6	25.00		5.8	7.5			25	100	9004150000
H16,0/32	16	AWG 6	32.00		5.8	7.5			32	100	9004160000
H25,0/15	25	AWG 3	15.00		7.3	9.5			15	250	0124400000
H25,0/18	25	AWG 3	18.00		7.3	9.5			18	100	0375300000
H25,0/25	25	AWG 3	25.00		7.3	9.5			25	250	9004170000
H25,0/32	25	AWG 3	32.00		7.3	9.5			32	100	9004180000
H35,0/18	35	AWG 2	18.00		8.3	11			18	100	0368900000
H35,0/25	35	AWG 2	25.00		8.3	11			25	100	9004190000
H35,0/30S	35	AWG 2	30.00		8.3	11			30	100	9451000000
H35,0/32	35	AWG 2	32.00		8.3	11			32	100	9004200000
H50,0/18	50	AWG 1	18.00		10.3	13			18	100	9004210000
H50,0/22S	50	AWG 1	22.00		10.3	13			22	100	9025880000
H50,0/32	50	AWG 1	32.00		10.3	13			32	100	9004220000
H70,0/25	70	AWG 2/0	25.00		12.5	15			25	50	9004230000
H70,0/32	70	AWG 2/0	32.00		12.5	15			32	50	9004240000
H95,0/25	95	AWG 3/0	25.00		14.5	17			25	50	9004250000
H95,0/32	95	AWG 3/0	32.00		14.5	17			32	50	9004260000
H120,0/32	120	AWG 4/0	32.00		16.5	19			32	25	9036240000
H150,0/32	150	AWG 300 MCM	32.00		18.5	21			32	25	9036250000
H185,0/32	185	AWG 350 MCM	32.00		20	23.5			32	25	9036260000

Assortment of wire-end ferrules

0.14...0.75 mm²



Box filled with wire-end ferrules with plastic collar:

- in Weidmüller colour code

Assembly

Type		Piece
H0,14/10 GR SV	Wire end ferrule	500
H0,25/10 HBL	Wire end ferrule	500
H0,34/10 TK	Wire end ferrule	500
H0,5/14 OR	Wire end ferrule	500
H0,75/14 W	Wire end ferrule	500

Technical data

Diameter / Height	92 mm / 25 mm
Weight	93 g

Ordering data

Colour code	Type	Order No.
Weidmüller	H-BOX 0,14-0,75QMM	**9025410000**

0.5...2.5 mm²



Box filled with wire-end ferrules with plastic collar:

- in Weidmüller colour code
- DIN colour code

Assembly

Type		Piece
H1,0/14 GE	Wire end ferrule	500
H1,5/14 R	Wire end ferrule	500
H0,5/14D W	Wire end ferrule	500
H0,75/14D GR	Wire end ferrule	500
H2,5/15D BL	Wire end ferrule	500

Technical data

Diameter / Height	92 mm / 40 mm
Weight	93 g

Ordering data

Colour code	Type	Order No.
Weidmüller	H-BOX 0,5-2,5QMM	**9025900000**
DIN	H-BOX 0,5-2,5QMM DIN	**9025430000**
Misc.	H-BOX 0.5-2.5QMM T	**9023090000**

ZH 0.5...2.5 mm²



Box filled with twin wire-end ferrules with plastic collars:

- in Weidmüller colour code

Assembly

Type		Piece
H0,5/14 ZH OR	Wire end ferrule	500
H0,75/14 ZH W	Wire end ferrule	500
H1,0/15 ZH GE	Wire end ferrule	500
H1,5/16 ZH R	Wire end ferrule	500
H2,5/19D ZH BL	Wire end ferrule	500

Technical data

Diameter / Height	92 mm / 40 mm
Weight	93 g

Ordering data

Colour code	Type	Order No.
Weidmüller	ZH-BOX 0,5-2,5QMM	**9025390000**

4.0...16 mm²



Box filled with wire-end ferrules with plastic collars:

- in Weidmüller colour code
- DIN colour code

Assembly

Type		Piece
H6,0/20 SW	Wire end ferrule	100
H10,0/22 EB	Wire end ferrule	100
H16,0/22 GN	Wire end ferrule	100
H4/17 GRAU	Wire end ferrule	500

Technical data

Diameter / Height	92 mm / 40 mm
Weight	93 g

Ordering data

Colour code	Type	Order No.
Weidmüller	H-BOX 4,0-16,0QMM	**9025920000**
DIN	H-BOX 4,0-16,0QMM DIN	**9025400000**

Empty box



Empty box for wire-end ferrules with

- 4 dividers
- 5 dividers
- 5 coloured inserts

Technical data

Diameter / Height	92 mm / 40 mm
Weight	

Ordering data

Colour code	Type	Order No.
Empty box	H-LEERBOX 4 TRENNSTEGE	**9025420000**
Empty box	H-LEERBOX 5 EINSAETZE	**9025940000**
Empty box	H-LEERBOX 5 TRENNSTEGE	**9025680000**

Insulated cable connectors, PVC, with conical cable entry



Ring cable connector



Ordering data

Type	Cross-section mm²	Colour	Dimensions	d¹	d	D	L	b	S1*	Qty.	Order No.
LIR 1.5M3 V	0.5 - 1.5	●	M 3	3.2	5.5	4.0	16.05	11.3	0.75	100	9200070000
LIR 1.5M3.5 V	0.5 - 1.5	●	M 3.5	3.7	5.5	4.0	16.05	11.3	0.75	100	9200080000
LIR 1.5M4 V	0.5 - 1.5	●	M 4	4.3	8.0	4.0	18.3	11.3	0.75	100	9200090000
LIR 1.5M5 V	0.5 - 1.5	●	M 5	5.3	8.0	4.0	18.3	11.3	0.75	100	9200100000
LIR 1.5M6 V	0.5 - 1.5	●	M 6	6.4	11.6	4.0	21.0	11.3	0.75	100	9200110000
LIR 1.5M8 V	0.5 - 1.5	●	M 8	8.4	11.6	4.0	21.0	11.3	0.75	100	9200120000
LIR 2.5M3 V	1.5 - 2.5	●	M 3	3.2	6.4	4.5	15.6	11.3	0.8	100	9200150000
LIR 2.5M3.5 V	1.5 - 2.5	●	M 3.5	3.7	6.4	4.5	15.6	11.3	0.8	100	9200160000
LIR 2.5M4 V	1.5 - 2.5	●	M 4	4.4	8.5	4.5	19.05	11.3	0.8	100	9200170000
LIR 2.5M5 V	1.5 - 2.5	●	M 5	5.3	8.5	4.5	19.05	11.3	0.8	100	9200180000
LIR 2.5M6 V	1.5 - 2.5	●	M 6	6.4	12.0	4.5	22.3	11.3	0.8	100	9200190000
LIR 2.5M8 V	1.5 - 2.5	●	M 8	8.4	12.0	4.5	22.3	11.3	0.8	100	9200200000
LIR 2.5M10 V	1.5 - 2.5	●	M 10	10.5	14.0	4.5	22.3	11.3	0.8	100	9200210000
LIR 6.0M4 V	4 - 6	●	M 4	4.3	9.5	6.4	22.4	14.15	1	100	9200230000
LIR 6M5 V	4 - 6	●	M 5	5.3	9.5	6.4	22.4	14.15	1	100	9200240000
LIR 6M6 V	4 - 6	●	M 6	6.4	12.0	6.4	24.65	14.15	1	100	9200250000
LIR 6M8 V	4 - 6	●	M 8	8.4	15.0	6.4	27.65	14.15	1	100	9200260000
LIR 6.0M10 V	4 - 6	●	M 10	10.5	15.0	6.4	27.65	14.15	1	100	9200270000

Fork-type cable connector

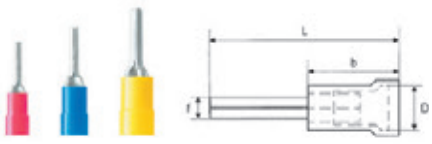


Ordering data

Type	Cross-section mm²	Colour	Dimensions	d¹	d	D	L	b	S1*	Qty.	Order No.
LIS 1.5M3 V	0.5 - 1.5	●	M 3	3.2	5.7	4.0	17.8	11.3	0.75	100	9200290000
LIS 1.5M3.5 V	0.5 - 1.5	●	M 3.5	3.7	6.4	4.0	17.8	11.3	0.75	100	9200300000
LIS 1.5M4 V	0.5 - 1.5	●	M 4	4.3	7.2	4.0	17.8	11.3	0.75	100	9200310000
LIS 1.5M5 V	0.5 - 1.5	●	M 5	5.3	8.1	4.0	17.8	11.3	0.75	100	9200320000
LIS 1.5M6 V	0.5 - 1.5	●	M 6	6.4	11.0	4.0	21.3	11.3	0.75	100	9200330000
LIS 2.5M3 V	1.5 - 2.5	●	M 3	3.2	5.7	4.5	17.8	11.3	0.8	100	9200350000
LIS 2.5M3.5 V	1.5 - 2.5	●	M 3.5	3.7	6.4	4.5	17.8	11.3	0.8	100	9200360000
LIS 2.5M4 V	1.5 - 2.5	●	M 4	4.3	7.2	4.5	17.8	11.3	0.8	100	9200370000
LIS 2.5M5 V	1.5 - 2.5	●	M 5	5.3	8.1	4.5	17.8	11.3	0.8	100	9200380000
LIS 2.5M6 V	1.5 - 2.5	●	M 6	6.4	11.0	4.5	21.3	11.3	0.8	100	9200390000
LIS 6.0M4 V	4 - 6	●	M 4	4.3	9.0	6.4	21.35	14.15	1	100	9200410000
LIS 6.0M5 V	4 - 6	●	M 5	5.3	9.0	6.4	21.35	14.15	1	100	9200420000
LIS 6.0M6 V	4 - 6	●	M 6	6.4	12.0	6.4	25.15	14.15	1	100	9200430000
LIS 6.0M8 V	4 - 6	●	M 8	8.4	14	6.5	34	13.15	1	100	9200440000
LIS 6.0M10 V	4 - 6	●	M 10	10.5	18	6.5	34.7	13.15	1	100	9200450000

S1* = Connection density

Pin-type cable connector

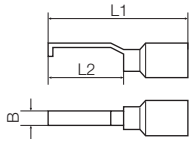


Ordering data

Type	Cross-section mm²	Colour	Dimensions	D	L	b	f		Qty.	Order No.
LIP 1.5R12 V	0.5 - 1.5	●	12.0	4	23.3	11.3	1.9		100	9200460000
LIP 2.5R12 V	1.5 - 2.5	●	12.0	4.5	23.3	11.3	1.9		100	9200470000
LIP 6.0R14 V	4 - 6	●	14.0	6.4	28.15	14.5	2.7		100	9200480000

Hook-type cable connector

to ESI 50-18 part 2



Ordering data

Type	Cross-section mm²	Colour	L1	L2	B	Qty.	Order No.
HB 1-17	0.25 - 1.5	●	27.2	16.75	4.6	100	9036290000
HB 1-13	1.0 - 2.5	●	27.2	16.75	3.0	100	9036300000



Conical entry



Without conical entry

Butt connector

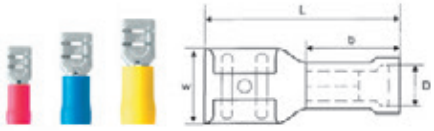


Ordering data

Type	Cross-section mm²	Colour	Dimensions	D	L		Qty.	Order No.
LIB 1.5B25 VF	0.5 - 1.5	●	24.5	3.8	26		100	9200490000
LIB 2.5B25 VF	1.5 - 2.5	●	24.5	4.3	26		100	9200500000
LIB 6.0B26 VF	4 - 6	●	26.0	6	26		100	9200510000

Flat blade receptacles

with copper sleeve

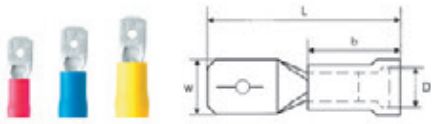


Ordering data

Type	Cross-section mm²	Colour	Dimensions	d2*	d3*	D	L	b	w	Qty.	Order No.
LIF 1.5F288 R	0.5 - 1.5	●	2.8 x 0.8 mm	2.8	0.8	4.0	18.7	10.0	3.8	100	9200520000
LIF 1.5F488 R	0.5 - 1.5	●	4.8 x 0.8 mm	4.8	0.8	4.0	19.2	10.0	5.7	100	9200530000
LIF 1.5F638 R	0.5 - 1.5	●	6.3 x 0.8 mm	6.3	0.8	4.0	20.8	10.0	7.4	100	9200540000
LIF 2.5F488 R	1.5 - 2.5	●	4.8 x 0.8 mm	4.8	0.8	5.0	19.2	10.0	5.7	100	9200550000
LIF 2.5F638 R	1.5 - 2.5	●	6.3 x 0.8 mm	6.3	0.8	5.0	20.8	10.0	7.4	100	9200560000
LIF 6.0F638 R	4 - 6	●	6.3 x 0.8 mm	6.3	0.8	6.8	23.8	13.0	7.4	100	9200570000

Flat blade connector

with copper sleeve



Ordering data

Type	Cross-section mm²	Colour	Dimensions	d2*	d3*	D	L	b	w	Qty.	Order No.
LIF 1.5M638 R	0.5 - 1.5	●	6.3 x 0.8 mm	6.3	0.8	4.0	20.8	10.0	6.3	100	9200580000
LIF 2.5M638 R	1.5 - 2.5	●	6.3 x 0.8 mm	6.3	0.8	5.0	20.8	10.0	6.3	100	9200590000
LIF 6.0M638 R	4 - 6	●	6.3 x 0.8 mm	6.3	0.8	6.8	23.8	13.0	6.3	100	9200600000

Flat blade receptacles, piggy-back

with copper sleeve

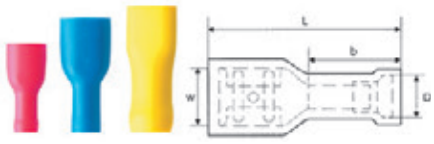


Ordering data

Type	Cross-section mm²	Colour	Dimensions	d2*	d3*	D	L	b	w	Qty.	Order No.
LIF 1.5T638 R	0.5 - 1.5	●	6.3 x 0.8 mm	6.3	0.8	4.0	20.8	10.0	7.4	100	9200610000
LIF 2.5T638 R	1.5 - 2.5	●	6.3 x 0.8 mm	6.3	0.8	5.8	20.8	10.0	7.4	100	9200620000
LIF 6.0T638 R	4 - 6	●	6.3 x 0.8 mm	6.3	0.8	6.8	23.8	13.0	7.4	100	9200630000

Flat blade receptacles, full insulation

with copper sleeve



Ordering data

Type	Cross-section mm²	Colour	Dimensions	d2*	d3*	D	L	b	w	Qty.	Order No.
LIF 1.5F638 RF	0.5 - 1.5	●	6.3 x 0.8 mm	6.3	0.8	4.0	22.0	10.5	7.4	100	9200640000
LIF 2.5F638 RF	1.5 - 2.5	●	6.3 x 0.8 mm	6.3	0.8	5.0	22.0	10.5	7.4	100	9200650000
LIF 6.0F638 RF	4 - 6	●	6.3 x 0.8 mm	6.3	0.8	6.8	24.5	13.0	5.7	100	9200660000

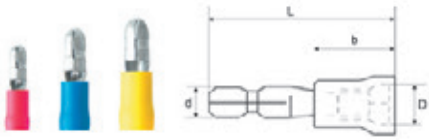
d2* = Plug-in width
d3* = Plug-in density

Insulated cable connectors, PVC, with conical cable entry



Round plug

with copper sleeve

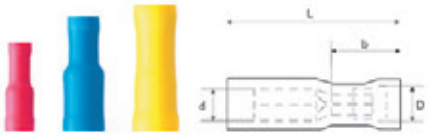


Ordering data

Type	Cross-section mm²	Colour	Dimensions	d	D	L	b	Qty.	Order No.
LID 1,5M4 R	0,5 - 1,5	●	Ø 4 mm	4,0	4,0	20,8	10,0	100	**9200670000**
LID 2,5M5 R	1,5 - 2,5	●	Ø 5 mm	5,0	5,0	20,8	10,0	100	**9200680000**
LID 6,0M5 R	4 - 6	●	Ø 5 mm	5,0	5,8	23,8	13,0	100	**9200690000**

Sockets for round plugs

with copper sleeve



Ordering data

Type	Cross-section mm²	Colour	Dimensions	d	D	L	b	Qty.	Order No.
LID 1,5F4 RF	0,5 - 1,5	●	Ø 4 mm	4,0	4,0	23,0	10,5	100	**9200700000**
LID 2,5F5 RF	1,5 - 2,5	●	Ø 5 mm	5,0	5,0	23,0	11,5	100	**9200710000**
LID 6,0F5 RF	4 - 6	●	Ø 5 mm	5,0	5,0	24,0	13,8	100	**9200720000**

Cable lugs and insulated connectors

Cable lugs and insulated connectors	Technical data / general notes	K.2
	Tubular cable lugs, copper, euro-series	K.8
	Tubular cable lugs with angle, copper, euro-series	K.12
	Joint connector, copper, euro-series	K.15
	Crimp cable lugs, copper, DIN 46235	K.16
	Tubular compression connectors, copper, DIN 46267 part 1	K.19
	Terminals ring and fork-type, noninsulated	K.20
	Pin cable lugs DIN 46230, noninsulated	K.24
	Parallel connectors and joint connector, noninsulated	K.25
	Terminals ring type	K.26
	Terminals fork type	K.28
	Pin cable lugs / joint connector	K.29
	Parallel connectors / closed end connectors	K.30
	Cable-lug sleeves	K.31
	Cable lug connector / piggy back disconnectors	K.32
	Flag female disconnectors / circular plug	K.33
	Round-plug sleeves	K.34
	Hook-type cable lug	K.35

Cable lugs and insulated connector
Technical data / general information

Temperature resistance

Copper-cable lugs and -connectors without insulation	up to max. 120°C (according to DIN 46 234)
Copper-cable lugs and -connectors with pa-insulation	-55 °C to +120 °C
Copper-cable lugs and -connectors with PC-insulation	-40 °C to +120 °C
Butt-connectors with shrink insulation	-10 °C to +105 °C
Terminals with PVC (polyvinyl chloride) insulation	-10 °C to +70 °C
Terminals with PC (polycarbonate=makrolon) insulation	-40 °C to +100 °C
Terminals with PA (polyamide)-insulation	-55 °C to +100 °C
Brass terminals, tin plated, without insulation	-55 °C to +100 °C

Conductor cross section comparison

comparable ISO-cross section in (mm^2)	AWG/ MCM	
	AWG	cross section (mm^2)
0.14	26	0.128
0.2	24	0.205
0.34	22	0.325
0.5	20	0.519
0.75	18	0.823
1	-	-
1.5	16	1.31
2.5	14	2.08
4	12	3.31
6	10	5.27
10	8	8.35
16	6	13.3
25	4	21.2
35	2	33.6
-	1	42.4
50	0	53.4
70	00	67.5
95	000	85.0
-	0000	107.2
120	250 MCM	127
150	300 MCM	152
185	350 MCM	177
240	500 MCM	253
300	600 MCM	304

Silicone and halogen concentration of insulated connecting material

The following chart shows the concentration of silicone and halogen of insulated connection material delivered by us:

Article description	free of silicone	free of halogen
Terminals, ring type	yes	yes
Terminals, fork type	yes	yes
Pin cable lugs	yes	yes
Joint connector	yes	yes
Parallel-connectors	yes	yes
Joint connector heat shrink insulation	yes	yes
Closed end connectors	yes	yes
Cable-lug sleeves and cable-lug sleeves PVC - insulated	yes	no
Cable-lug sleeves and cable-lug sleeves PC - insulated	yes	yes
Cable-lug sleeves tin-bronze PA - insulated	yes	yes
Cable-lug sleeves , fully insulated	yes	yes
Piggy back disconnectors PVC - insulated	yes	no
Piggy back disconnectors PC - insulated	yes	yes
Flag female disconnectors	yes	yes
Round-plug sleeves PVC - insulated	yes	no
Circular plug PVC - insulated	yes	no
Circular plug PC - insulated	yes	yes
Round-plug sleeves and circular plug, fully insulated	yes	yes

Colour of insulation

cross section mm^2	colour
0.1 – 0.5	yellow
0.5 – 1	red
1.5 – 2.5	blue
4 – 6	yellow
10	red
16	blue
25	yellow
35	red
50	blue
70	yellow
95	red
120	blue
150	yellow

Electrical characteristics

Maximum allowable current load of cable lugs and connectors
in conjunction with insulated conductors (at ambient temperature +30 °C)

nominal cross section (mm^2)	**Single cor cable** – rubber insulated – PVC insulated – TPE insulated – heat resistant Cu (A)	**Multicore cables + cords, excl. home- and portable apparatus** – rubber insulated – PVC insulated – TPE insulated – heat resistant Cu (A)	**Multicore heavy duty rubber cables** min. 0.6 / 1kV Cu (A)
0.75	15	12	-
1	19	15	-
1.5	24	18	23
2.5	32	26	30
4	42	34	41
6	54	44	53
10	73	61	74
16	98	82	99
25	129	108	131
35	158	135	162
50	198	168	202
70	245	207	250
95	292	250	301
120	344	292	-
150	391	335	-
185	448	382	-
240	528	453	-
300	608	523	-
sources of current ratings:	DIN VDE 0298-4. 2003-08 Table 11, columne 2	DIN VDE 0298-4. 2003-08 Table 11, columne 5	DIN VDE 0298-4. 2003-08 Table 15, columne 4+2

Note:

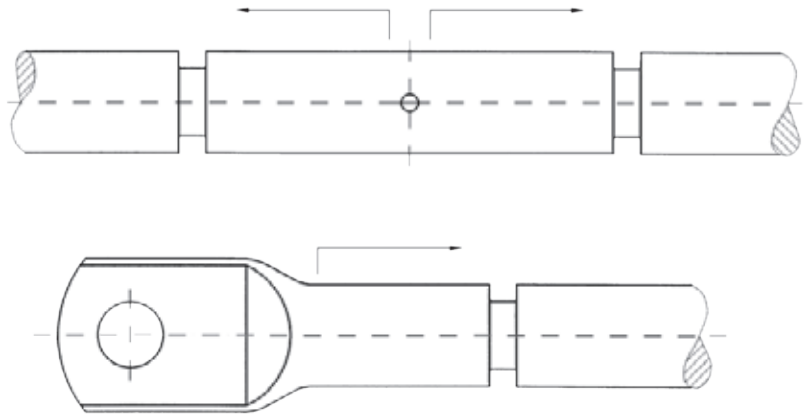
Design of these tables deviates from VDE 0298-4 design.
In case of doubt, appliance of the current issue of the DIN VDE 0298-4 is obligatory.

Above Table values have to be taken into consideration of further applicable converting / derating factors:

– other ambient temperatures: DIN VDE 0298-4
– pay attention to the maximum electric current of the used equipment
– pay attention to the maximum current load of the used cable under consideration of the laying procedure

Assembly of cable lugs and connectors
general

1. Take the measurements of the cable lugs / connectors and their allocation of cross section out of this catalogue.
2. Cut the cable right-angled to the conductor. Strip off the insulation of the cable. The part to be stripped of has to be as long as the sleeve (measurement a) of the cable lug / connector + about 10 %.
3. Before crimping clean the conductor with a wire brush in order to remove dirt and oxidation. Sectorshaped conductors must be rounded before crimping!
4. Insert the noninsulated conductor into the compression sleeve until it reaches the wire stop.
5. Before starting to crimp please check whether conductor and cable lug respectively connector have the same cross section and do fit to each other according to our catalogue.
6. Please check whether crimping tool and crimping dies are suitable for the cable lugs/connectors you want to crimp. You can take this information for each series and cross section from the manufacturer's catalogue or the operating instructions of the tool.
7. The crimping process is evaluated, on the cable lug and connector, from the cable end to the end of the sleeve.(see illustration).



For the quantity of crimpings take notice of the preceding charts.
(These you are able to find on the following page)

Traction - specified value

cross section mm²	Values for crimpings up to 10 mm² (except end ferrules) (EN 60352 part 2 release 10/2002)					
	traction 100 %	130 %	150 %	traction 100 %		
0,2				28 N		
0,34				40 N		
0,5	60 N	78 N	90 N	56 N		
0,75	85 N	111 N	128 N	84 N		
1	108 N	140 N	162 N	108 N		
1,5	150 N	195 N	225 N	150 N		
2,5	230 N	299 N	345 N	230 N		
4	310 N	403 N	465 N	310 N		
6	360 N	468 N	540 N	360 N		
10	380 N	494 N	570 N			
	Values for copper crimpings from 10 mm² DIN EN 61238-1 release 3/2004 except end ferrules (VDE 0220 part 100 cross-section x 60) calculation:			Values for aluminium crimpings from 16 mm² (VDE 0220 part 100 cross-section x 40) calculation:		
	traction 100 %	130 %	150 %	traction 100 %	130 %	150 %
10	600 N	780 N	900 N			
16	960 N	1.248 N	1.440 N	640 N	832 N	960 N
25	1.500 N	1.950 N	2.250 N	1.000 N	1.300 N	1.500 N
35	2.100 N	2.730 N	3.150 N	1.400 N	1.820 N	2.100 N
50	3.000 N	3.900 N	4.500 N	2.000 N	2.600 N	3.000 N
70	4.200 N	5.490 N	6.300 N	2.800 N	3.640 N	4.200 N
95	5.700 N	7.410 N	8.550 N	3.800 N	4.940 N	5.700 N
120	7.200 N	9.360 N	10.800 N	4.800 N	6.240 N	7.200 N
150	9.000 N	11.700 N	13.500 N	6.000 N	7.800 N	9.000 N
185	11.100 N	14.430 N	16.650 N	7.400 N	9.620 N	11.100 N
240	14.400 N	18.720 N	21.600 N	9.600 N	12.480 N	14.400 N
300	18.000 N	23.400 N	27.000 N	12.000 N	15.600 N	18.000 N
400	24.000 N*			16.000 N	20.800 N	24.000 N
500	30.000 N*			20.000 N	26.000 N	30.000 N
625	37.500 N*			25.000 N*		
800	48.000 N*			32.000 N*		
1.000	60.000 N*			40.000 N*		

Note: * The maximum value of VDE 2002 T100 is 20.000 N!

To pass the test according to the norm, the conductor in the crimping connection may not slide by 100 % of the traction during 60 seconds holding time.

Crimping instructions for euro-series

Crimping instructions

Minimum necessary crimping quantity of cable lugs and connectors for euro-series. (WM-crimping):

Crimping tools and order numbers

Cross section in mm	crimping quantity x width	PZ RK 6/70 1500440000	PZRK 10/120 1500450000	MTR 35 9017500000	MTR 110 9018020000	EPG 45 1500830000	HPG 55 1501400000	APG 55 1501390000	HPG 80 1502420000	APG 80 1502390000
6	1 x 5 mm	■		■	■					
	1 x 7 mm				■	■	■	■	■	■
10	1 x 5 mm	■	■	■						
	1 x 7 mm				■	■	■	■	■	■
16	2 x 5 mm	■	■	■	■					
	1 x 7 mm				■	■	■	■	■	■
25	2 x 5 mm	■	■	■	■					
	1 x 12 mm				■	■	■	■	■	■
35	2 x 5 mm	■	■	■	■		■	■		
	1 x 10 mm				■	■				
	1 x 12 mm								■	■
50	2 x 5 mm	■	■	■	■	■	■	■		
	1 x 12 mm								■	■
70	2 x 5 mm	■	■		■	■	■	■		
	1 x 12 mm								■	■
95	2 x 5 mm		■		■	■	■	■		
	1 x 12 mm								■	■
120	3 x 5 mm		■		■	■	■	■		
	2 x 7 mm									
	1 x 10 mm								■	■
150	3 x 5 mm					■	■	■	■	■
	2 x 7 mm									
185	3 x 5 mm						■	■	■	■
	2 x 7 mm									
	2 x 10 mm									
240	3 x 5 mm						■	■		
	3 x 7 mm								■	■
	2 x 10 mm									
300	4 x 5 mm									
	3 x 7 mm								■	■
	2 x 13 mm									

Crimping instructions for DIN 46235-series and DIN 46267-series

Crimping instructions

Minimum necessary crimping quantity of cable lugs and connectors for DIN 46235-series and DIN 46267-series (Hexagonal-shape-crimping):

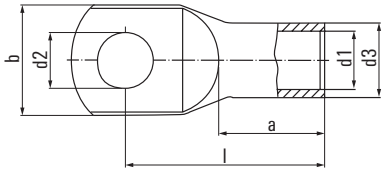
Crimping tools and order numbers

cross section in mm	die code	crimping quantity x width	PZ PK 6/70 1500470000	PZ PK 10/120 1500480000	MTR 35 9017500000	MTR 110 9018020000	EPG 45 1500830000	HPG 55 1501400000	APG 55 1501390000	HPG 80 1502420000	APG 80 1502390000
6	5	1 x 5 mm	■		■	■					
		1 x 7 mm				■	■	■	■	■	■
10	6	1 x 5 mm	■	■	■	■					
		1 x 7 mm				■	■	■	■	■	■
16	8	2 x 5 mm	■	■	■	■					
		1 x 12 mm				■	■	■	■	■	■
25	10	2 x 5 mm	■	■	■	■					
		1 x 12 mm				■	■	■	■	■	■
35	12	2 x 5 mm	■	■	■	■		■	■		
		1 x 10 mm				■	■				
		1 x 12 mm								■	■
50	14	3 x 5 mm	■	■	■	■	■	■	■		
		1 x 12 mm								■	■
70	16	3 x 5 mm	■	■		■	■	■	■		
		1 x 12 mm								■	■
95	18	3 x 5 mm				■	■	■	■		
		4 x 5 mm		■		■	■	■	■		
		2 x 10 mm								■	■
120	20	3 x 5 mm				■	■	■	■		
		4 x 5 mm		■		■	■	■	■		
		2 x 10 mm								■	■
150	22	4 x 5 mm					■	■	■	■	■
		2 x 10 mm									
185	25	4 x 5 mm						■	■	■	■
		2 x 10 mm									
240	28	4 x 5 mm								■	■
		2 x 13 mm									
300	32	4 x 5 mm									
		4 x 7 mm								■	■
		2 x 13 mm									

Tubular cable lugs and connectors, copper euro-series







Tubular cable lugs 0.5 – 25 mm², euro-series

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

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E354986

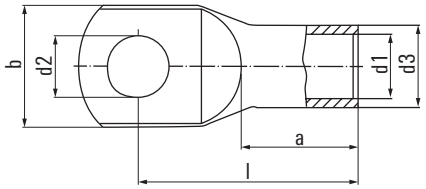
Ordering data

Cross-section mm²	flat hole M	dimensions in mm d1	d3	d2	b	l	a	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	PZ RK 6/70	PZ RK 10/120	EPG 45
0.5 – 0.75	3	1.4	3	3.2	6.5	12.5	6	100	1495010000*				
	4			4.3	8.5	14		100	1495020000*				
	5			5.3	10	15		100	1495030000*				
1.0 – 1.5	3	1.9	3.9	3.2	6.5	14	6	100	1495040000*				
	4			4.3	8.5	15		100	1495050000*				
	5			5.3	10	16		100	1495070000*				
	6			6.4	11	18		100	1495080000*				
2.5	4	2.4	4.4	4.3	8.5	15	6.5	100	1495090000*				
	5			5.3	10	16		100	1495100000*				
	6			6.4	11	18		100	1495110000*				
	8			8.4	13	20		100	1495120000*				
4	4	3	5	4.3	8.5	17	8	100	1495130000*				
	5			5.3	10	18		100	1495140000*				
	6			6.4	11	20		100	1495150000*				
	8			8.4	14	22		100	1495170000*				
6	4	3.5	6.5	4.3	10	19	9	100	1497150000				
	5			5.3	10	20		100	1497170000				
	6			6.4	11	21.5		100	1497180000				
	8			8.4	15	24		100	1497190000				
	10			10.5	18	26		100	1497200000				
	12			13	19	27.5		100	1497210000				
10	4	4.5	7	4.3	12	20	10	100	1496900000				
	5			5.3	12	21		100	1496910000				
	6			6.4	12	22.5		100	1496920000				
	8			8.4	15	25		100	1496930000				
	10			10.5	18	27		100	1496940000				
	12			13	20	28.5		100	1496950000				
16	5	5.5	8.5	5.3	12	25		100	1496970000				
	6			6.4	12	26.5		100	1496980000				
	8			8.4	15	29		100	1496990000				
	10			10.5	18	31		100	1497000000				
	12			13	19	32		100	1497010000				
25	5	7	10	5.3	15	33.5	15	100	1495830000				
	6			6.4	15	31.5		100	1496490000				
	8			8.4	16	33		100	1496500000				
	10			10.5	18	34.5		100	1496510000				
	12			13	20	36		100	1496520000				
	14			15	22	39		100	1496530000				

* UL not tested

Tubular cable lugs, copper, euro-series





Tubular cable lugs 35 – 300 mm², euro-series

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

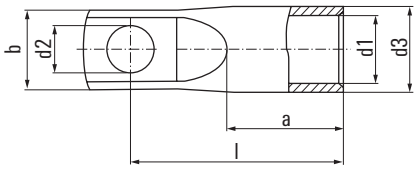
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E354986

Ordering data

Cross section mm²	flat hole M	dimensions in mm d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty (pcs.)	Order No.	Tool recommendation PZPK 6/70 + PZ RK 6/70	PZPK 10/120 + PZ RK 10/120	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80, EPG 45
35	6	8.5	12	6.4	17	33	17	2.07	100	1496540000					
	8			8.4	17	34		2.18	100	1496550000					
	10			10.5	20	36.5		2.19	100	1496570000					
	12			13	22	37.5		2.33	100	1496580000					
50	6	10	14	6.4	20	37	19	3.01	100	1496590000					
	8			8.4	20	39		3.04	100	1496600000					
	10			10.5	20	40.5		3.13	100	1496610000					
	12			13	23	42		3.13	100	1496620000					
	14			15	23	44		3.51	100	1495750000					
	16			17	27	46		3.55	100	1496630000					
	20			21	30.5	52.5		3.89	100	1495840000					
70	6	12	16.5	6.4	24	40.5	21	4.11	25	1496640000					
	8			8.4	24	42.5		4.46	25	1496650000					
	10			10.5	24	43.5		4.64	25	1496670000					
	12			13	24	45		4.73	25	1495570000					
	14			15	25	46		4.91	25	1495770000					
	16			17	28	48.5		4.96	25	1495580000					
	20			21	29	52		5.29	25	1495590000					
95	6	13.5	18	6.4	26	43	23	4.95	25	1495820000					
	8			8.4	26	46		5.36	25	1495600000					
	10			10.5	26	47		5.51	25	1495610000					
	12			13	26	48		5.51	25	1495620000					
	14			15	26	51.5		5.89	25	1495780000					
	16			17	28	51		5.85	25	1495630000					
	20			21	30	55		6.13	25	1495640000					
120	8	15	20	8.4	29	49.5	26	6.88	25	1495790000					
	10			10.5	29	52		7.99	25	1495650000					
	12			13	29	51.5		7.84	25	1495670000					
	14			15	30	53		7.86	25	1495800000					
	16			17	30	55		8.07	25	1495680000					
	20			21	35	60		8.90	25	1495690000					
150	8	16.8	21.3	8.4	31	55.5	29	7.89	25	1495700000					
	10			10.5	31	56.5		8.37	25	1495710000					
	12			13	31	56		8.07	25	1495720000					
	14			15	31	57		8.30	25	1495810000					
	16			17	31	58		8.36	25	1495730000					
	20			21	35	63		8.75	25	1495740000					
185	8	19	24	8.4	35	58	30	10.37	25	1497290000*					
	10			10.5	35	59		10.61	25	1495430000					
	12			13	35	58.5		10.60	25	1495440000					
	14			15	35	61		10.72	25	1497250000					
	16			17	35	63		10.86	25	1495450000					
	20			21	35	66		11.33	25	1495470000					
240	8	21	26	8.4	38	67	35	12.40	25	1495480000*					
	10			10.5	38	67		12.97	25	1495490000					
	12			13	38	67		13.02	25	1495500000					
	14			15	38	69		13.36	25	1497270000					
	16			17	38	69.5		13.56	25	1495510000					
	20			21	38	71		13.80	25	1495520000					
300	10	24	30	10.5	44	79.5	42	20.45	20	1495530000*					
	12			13	44	82		21.18	20	1495540000					
	14			15	44	84		22.19	20	1497280000					
	16			17	44	85		21.94	20	1495550000					
	20			21	44	85		22.40	20	1497240000					

* UL not tested





Tubular cable lugs 35 – 300 mm², euro-series, with narrow flange

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

c UL us LISTED
E354986

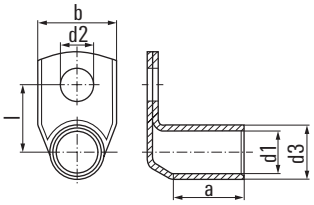
Ordering data

Cross section mm²	flat hole M	dimensions in mm d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation PZ PK 6/70 + PZ RK 6/70	PZ PK 10/120 + PZ RK 10/120	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80, EPG 45
35	6	8.5	12	6.4	15	33	17	1.93	25	1494790000					
	8			8.4	15	35		1.90	25	1494810000*					
50	6	10	14	6.4	15	37	19	2.69	25	1494820000					
	8			8.4	17	39		2.79	25	1494830000					
	10			10.5	17	41		2.99	25	1494840000					
70	6	11.8	16.5	6.4	17	41	21	3.99	25	1494850000					
	8			8.4	17	43		4.38	25	1494860000					
	10			10.5	17	45		4.40	25	1494870000					
	12			13	19	46		4.48	25	1494880000					
95	6	13.5	18	6.4	19	43	23	4.67	25	1494430000					
	8			8.4	19	45		4.90	25	1494890000					
	10			10.5	19	47		5.10	25	1494900000					
	12			13	19	48		5.20	25	1494910000					
120	6	14.7	20	6.4	20	49	26	6.43	10	1494410000					
	8			8.4	20	51		7.12	10	1494420000					
	10			10.5	20	53		6.70	10	1494920000					
	12			13	20	54		7.12	10	1494930000					
150	6	16.3	21.3	6.4	19	53	29	7.01	10	1494440000					
	8			8.4	19	55		7.31	10	1494940000					
	10			10.5	19	56		7.63	10	1494950000					
	12			13	22	59		7.63	10	1494970000					
185	10	18.7	24	10.5	26	60	30	10.47	10	1494980000					
	12			13	26	59.5		10.27	10	1494990000					
	16			17	26	64		10.81	10	1495000000					
240	10	21	26	10.5	30	65	35	12.80	5	1494340000					
	12			13	30	65		11.71	5	1494350000					
	16			17	30	68		12.11	5	1494370000					
300	10	23.5	30	10.5	30	76	42	19.66	5	1494380000*					
	12			13	30	79		20.08	5	1494390000*					
	16			17	30	81		20.60	5	1494400000*					

* UL not tested

Tubular cable lugs with angle, copper, euro-series





Tubular cable lugs with 90° angle, 0.5 – 35 mm², euro-series

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

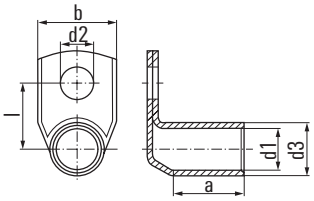
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Ordering data

Cross-section mm²	flat hole M	d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation: HTN 21	PZ RK 6/70	PZ RK 10/120	EPG 45
0.5 – 0.75	3	1.4	3	3.2	6.5	7.5	5	0.09	100	1495180000*				
	4			4.3	8.5	8.5		0.10	100	1495190000*				
	5			5.3	10	9.5		0.10	100	1495200000*				
1.0 – 1.5	3	1.9	3.9	3.2	6.5	8	5	0.16	100	1495210000*				
	4			4.3	8.5	9		0.16	100	1495220000*				
	5			5.3	10	10		0.16	100	1495230000*				
	6			6.4	11	12		0.15	100	1495240000*				
2.5	4	2.4	4.4	4.3	8.5	9.2	5.5	0.18	100	1495250000*				
	5			5.3	10	10.2		0.18	100	1495270000*				
	6			6.4	11	12.2		0.22	100	1495280000*				
	8			8.4	14	14.2		0.23	100	1495290000*				
4	4	3	5	4.3	8.5	9.5	7	0.25	100	1495300000*				
	5			5.3	10	10.5		0.24	100	1495310000*				
	6			6.4	11	12.5		0.29	100	1495320000*				
	8			8.4	14	14.5		0.30	100	1495330000*				
6	4	3.5	6.5	4.3	10	10.3	8	0.52	100	1497220000				
	5			5.3	11	11.2		0.56	100	1496120000				
	6			6.4	11	13.3		0.62	100	1496130000				
	8			8.4	15	15.3		0.64	100	1496140000				
	10			10.5	18	17.2		0.68	100	1496150000				
	12			13	20	18.2		0.66	100	1496170000				
10	5	4.5	7	5.3	12	11.5	9	0.54	100	1497020000				
	6			6.4	12	12.5		0.59	100	1497030000				
	8			8.4	15	15.5		0.67	100	1497040000				
	10			10.5	18	17.5		0.70	100	1497050000				
	12			13	20	18.5		0.70	100	1497070000				
16	5	5.5	8.5	5.3	12	13	12	1.07	100	1497080000				
	6			6.4	12	14.3		1.15	100	1497090000				
	8			8.4	15	16.3		1.20	100	1497100000				
	10			10.5	18	18.3		1.23	100	1497110000				
	12			13	20	19.3		1.23	100	1497120000				
25	6	7	10	6.4	15	15.5	14	1.35	100	1495850000				
	8			8.4	16	17.5		1.43	100	1495870000				
	10			10.5	18	19.5		1.57	100	1495880000				
	12			13	20	20.5		1.51	100	1495890000				
	14			15	22	22.5		1.69	100	1495900000				
35	6	8.5	12	6.4	17	16.5	16	2.10	100	1495910000				
	8			8.4	17	18.5		2.31	100	1495920000				
	10			10.5	20	20.5		2.36	100	1495930000				
	12			13	22	21.5		2.37	100	1495940000				
	14			15	23	23.5		2.48	100	1494640000				
	16			17	28	24.5		2.48	100	1494690000				

* UL not tested





Tubular cable lugs with 90° angle, 50 – 300 mm², euro-series

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

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E354986

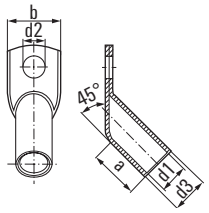
Ordering data

Cross-section mm²	flat hole M	dimensions in mm d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation PZ PK 6/70 + PZ RK 6/70	PZ PK 10/120 + PZ RK 10/120	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80, EPG 45
50	6	10	14	6.4	20	17.5	18	3.00	100	1495950000					
	8			8.4	20	19.5		3.22	100	1495970000					
	10			10.5	20	21.5		3.32	100	1495980000					
	12			13	23	22.5		3.28	100	1495990000					
	14			15	23	24.5		3.37	100	1494650000					
	16			17	27	28.5		3.63	100	1496000000					
	20			21	30	32.5		3.89	100	1494710000					
70	6	12	16.5	6.4	24	18.8	20	4.41	25	1496010000					
	8			8.4	24	20.8		4.86	25	1496020000					
	10			10.5	24	22.8		5.06	25	1496030000					
	12			13	24	23.8		4.94	25	1496040000					
	14			15	25	25.8		5.19	25	1494660000					
	16			17	28	26.8		5.11	25	1496050000					
	20			21	29	30.8		5.26	25	1496070000					
95	8	13.5	18	8.4	26	21.5	22	5.33	25	1496080000					
	10			10.5	26	23.5		5.59	25	1496090000					
	12			13	26	24.5		5.66	25	1496100000					
	14			15	26	26.5		5.89	25	1494670000					
	16			17	28	27.5		6.00	25	1496110000					
120	8	15	20	8.4	29	22.5	25	7.63	25	1494680000					
	10			10.5	29	24.5		8.07	25	1494450000					
	12			13	29	25.5		7.99	25	1494470000					
	16			17	30	28.5		8.46	25	1494480000					
150	8	16.8	21.3	8.4	31	25.7	28	8.03	25	1494490000					
	10			10.5	31	25.7		8.07	25	1494500000					
	12			13	31	26.7		8.29	25	1494510000					
	16			17	31	29.7		8.50	25	1494520000					
	20			21	35	33.7		8.89	25	1494530000					
185	10	19	24	10.5	35	27	29	11.41	25	1494540000					
	12			13	35	28		12.04	25	1494550000					
	16			17	35	31		12.48	25	1494570000					
	20			21	35	35		12.70	25	1494580000					
240	10	21	26	10.5	38	28	34	13.32	25	1494590000					
	12			13	38	29		13.40	25	1494610000					
	16			17	38	32		13.76	25	1494620000					
	20			21	38	36		14.23	25	1494630000					
300	12	24	30	13	43	31	41	19.92	20	1497300000					
	16			17	43	34		20.90	20	1497310000					
	20			21	43	38		21.81	20	1497320000					

* UL not tested

Tubular cable lugs with angle, copper, euro-series





Tubular cable lugs with 45° angle, 10 – 240 mm², euro-series

Technical data

Material: Cu according to DIN EN 13600
Surface: tin plated
Approvals:

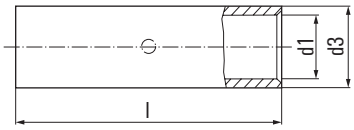
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Ordering data

Cross-section mm²	flat hole M	dimensions in mm d1	d3	d2	b	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation PZ PK 6/70 + PZ RK 6/70	PZ PK 10/120 + PZ RK 10/120. MTR 110	EPG 45	MTR 160 + MTR 300. APG55 + HPG 55. APG 80 + HPG 80
10	5	4.5	7	5.3	12	9	0.55	100	1496810000				
	6			6.4	12		0.58	100	1496820000				
	8			8.4	15		0.65	100	1496830000				
	10			10.5	18		0.66	100	1496840000*				
16	5	5.5	8.5	5.3	12	12	0.95	100	1496850000				
	6			6.4	12		1.02	100	1496870000				
	8			8.4	15		1.17	100	1496880000				
	10			10.5	18		1.17	100	1496890000				
25	6	7	10	6.4	15	14	1.39	100	1496180000				
	8			8.4	16		1.51	100	1496190000				
	10			10.5	18		1.66	100	1496200000				
	12			13	20		1.70	100	1496210000				
35	6	8.5	12	6.4	17	16	2.17	50	1496220000				
	8			8.4	17		2.23	50	1496230000				
	10			10.5	20		2.34	50	1496240000				
	12			13	22		2.40	50	1496250000				
50	6	10	14	6.4	20	18	2.94	50	1496270000*				
	8			8.4	20		3.34	50	1496280000				
	10			10.5	20		3.65	50	1496290000				
	12			13	23		3.65	50	1496300000				
70	8	12	16.5	8.4	24	20	4.90	25	1496310000				
	10			10.5	24		5.23	25	1496320000				
	12			13	24		5.34	25	1496330000				
95	8	13.5	18	8.4	26	22	6.18	25	1496340000				
	10			10.5	26		6.20	25	1496350000				
	12			13	26		6.20	25	1496370000				
	16			17	28		6.80	25	1496380000*				
120	8	15	20	8.4	29	25	7.80	25	1496390000				
	10			10.5	29		8.90	25	1496400000				
	12			13	29		8.91	25	1496410000				
	16			17	30		9.31	25	1496420000				
150	8	16.8	21.3	8.4	31	28	11.31	25	1496430000*				
	10			10.5	31		9.80	25	1496440000				
	12			13	31		9.68	25	1496450000				
	16			17	31		10.12	25	1496470000				
	20			21	35		10.12	25	1496480000*				
185	10	19	24	10.5	35	29	12.35	20	1495340000				
	12			13	35		12.24	20	1495350000				
	16			17	35		12.84	20	1495370000				
	20			21	35		13.99	20	1495380000				
240	12	21	26	13	38	34	15.46	15	1495400000				
	16			17	38		16.51	15	1495410000				
	20			21	38		17.04	15	1495420000				

* UL not tested





Joint connector 0.5 – 240 mm²

euro-series

Technical data

Material:	Cu according to DIN EN 13600
Surface:	tin plated
Type:	with wirestop

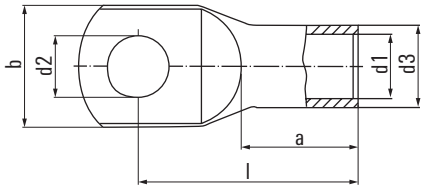
Ordering data

Cross-section mm²	dimensions in mm d1	d3	l	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	EPG 45	PZ PK 6/70 + PZ RK 6/70	MTR 110	PZ PK 10/120 + PZ RK 10/120	APG 55 + HPG 55, APG 80 + HPG 80	MTR 160 + MTR 300
0.5 – 0.75	1.4	3	15	0.08	100	1497330000							
1.0 – 1.5	1.9	3.9	15	0.12	100	1497340000							
2.5	2.4	4.4	16	0.15	100	1497350000							
4	3	5	19	0.21	100	1497370000							
6	3.5	6.5	25	0.51	100	1494720000							
10	4.5	7	30	0.60	50	1497130000							
16	5.5	8.5	35	1.00	50	1497140000							
25	7	10	40	1.41	50	1494730000							
35	8.5	12	45	2.16	50	1494740000							
50	10	14	50	3.32	50	1494750000							
70	12	16.5	55	4.91	50	1494760000							
95	13.5	18	60	6.09	50	1494770000							
120	15	20	65	7.88	25	1494780000							
150	16.8	21.3	70	8.68	25	1497380000							
185	19	24	75	11.63	25	1497390000							
240	21	26	85	14.22	25	1497400000							

Crimp cable lugs, copper
DIN 46235







Crimp cable lugs, copper 6 – 95 mm², DIN 46235

Technical data

Material:	Cu according to DIN EN 13600
Surface:	tin plated

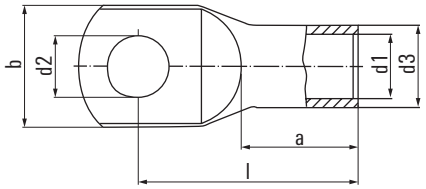
Ordering data

Cross-section mm²	flat hole M	die code	dimensions in mm d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation PZ PK 6/70	CTN 25 D5	EPG 45. APG 55 + HPG 55. APG 80 + HPG 80	PZ PK 10/120
6	5	5	3.7	5.5	5.3	8.5	24	10	0.31	100	1497840000				
	6				6.4	9	24		0.34	100	1497850000				
	8*				8.4	13	26		0.35	100	1497860000				
10	5	6	4.4	6	5.3	10	27	10	0.35	100	1497870000				
	6				6.4	10	27		0.37	100	1497880000				
	8*				8.4	13	28		0.38	100	1497890000				
	10*				10.5	15	29		0.38	100	1497910000				
16	5*	8	5.5	8.5	5.3	13	36	20	1.22	100	1497920000				
	6				6.4	13	36		1.27	100	1497930000				
	8				8.4	13	37		1.30	100	1497940000				
	10				10.5	16.5	38		1.32	100	1497950000				
	12*				13	19	40		1.35	100	1497960000				
25	6	10	7	10	6.4	14	39	20	1.62	100	1497970000				
	8				8.4	17	39		1.73	100	1497980000				
	10				10.5	17	40.5		1.77	100	1497990000				
	12				13	18	40.5		1.72	100	1498000000				
	16*				17	22	45		1.99	100	1498010000				
35	6*	12	8.2	12.5	6.4	17.5	42.5	20	3.12	100	1498020000				
	8				8.4	18	42		3.19	100	1498030000				
	10				10.5	20	42.5		3.17	100	1498040000				
	12				13	21	44		3.11	100	1498050000				
	16*				17	28	47		3.14	100	1498060000				
50	6*	14	9.8	14.5	6.4	20	52	28	4.67	100	1498510000				
	8				8.4	20	52		5.00	100	1498070000				
	10				10.5	22	52		4.94	100	1498080000				
	12				13	23	52		4.91	100	1498090000				
	14*				15	26	53.5		4.94	100	1498570000				
	16				17	28	55.5		5.04	100	1498110000				
	20*				21	30	61.5		5.56	100	1498120000				
70	8	16	11.3	16.5	8.4	24	56	28	6.54	50	1498130000				
	10				10.5	24	56		6.54	50	1498140000				
	12				13	24	56.5		6.57	50	1498150000				
	14*				15	24	55.5		6.00	50	1498560000				
	16				17	29	57		6.92	50	1498160000				
	20*				21	31	61		6.99	50	1498170000				
95	8*	18	13.5	19	8.4	28	65	35	9.36	50	1498180000				
	10				10.5	28	65.5		9.55	50	1498190000				
	12				13	28	65.5		9.45	50	1498210000				
	14*				15	28	65.5		9.43	50	1498520000				
	16				17	30	65.5		9.44	50	1498220000				
	20*				21	33	71		9.86	50	1498230000				

* not standardized, tube measurements in accordance with DIN 46235

Crimp cable lugs, copper, DIN 46235





Crimp cable lugs, copper, 120 – 300 mm², DIN 46235

Technical data

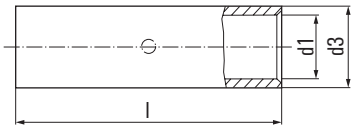
Material:	Cu according to DIN EN 13600
Surface:	tin plated

Ordering data

Cross-section mm²	flat hole M	die code	dimensions in mm d1	d3	d2	b	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation PZ PK 10/120	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
120	8*	20	15.5	21	8.4	31	70	35	11.35	50	1498480000				
	10				10.5	31	70		11.40	50	1498240000				
	12				13	31	70.5		11.43	50	1498250000				
	14*				15	31	70		11.41	50	1498490000				
	16				17	31.5	70		11.36	50	1498270000				
	20				21	36	72		11.51	50	1498280000				
150	8*	22	17	23.5	8.4	34	79	35	16.40	25	1498290000				
	10				10.5	34	79		16.46	25	1498310000				
	12				13	34	78.5		16.53	25	1498320000				
	14*				15	34	78		16.49	25	1498580000				
	16				17	34	78		16.35	25	1498330000				
	20				21	38	78		16.34	25	1498340000				
185	8*	25	19	25.5	8.4	37	83	40	18.50	25	1498540000				
	10				10.5	37	83		18.50	25	1498350000				
	12				13	37	82.5		18.95	25	1498360000				
	14*				15	37	82		18.96	25	1498590000				
	16				17	37	82		19.41	25	1498370000				
	20				21	40	83		19.01	25	1498380000				
240	10*	28	21.5	29	10.5	42	92	40	27.10	20	1498390000				
	12				13	42.5	92		26.65	20	1498410000				
	14*				15	42.5	92		26.73	20	1498530000				
	16				17	42.5	92		27.45	20	1498420000				
	20				21	45	92		27.67	20	1498430000				
300	10*	32	24.5	32	10.5	48.5	104	50	34.80	10	1498440000				
	12*				13	48.5	104		34.50	10	1498450000				
	14*				15	48.5	104		34.60	10	1498550000				
	16				17	48.5	100		34.16	10	1498460000				
	20				21	48.5	100		34.46	10	1498470000				

* not standardized, tube measurements in accordance with DIN 46235





Tubular compression connectors
6 – 300 mm², DIN 46267 part 1, strain relieved

Technical data

Material:	Cu according to DIN EN 13600
Surface:	tin plated

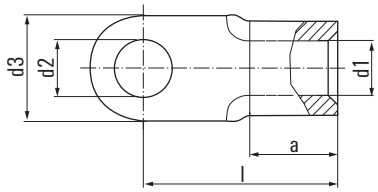
Ordering data

Cross-section mm²	die code	dimensions in mm d1	d3	l	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation: PZ PK 6/70	CTN 25 D5	PZ PK 10/120	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
6	5	3.7	5.5	30	0.35	100	1498610000						
10	6	4.4	6	30	0.35	100	1498620000						
16	8	5.5	8.5	50	1.51	100	1498630000						
25	10	7	10	50	1.86	100	1498640000						
35	12	8.2	12.5	50	3.20	100	1498650000						
50	14	9.8	14.5	56	4.64	50	1498660000						
70	16	11.3	16.5	56	5.64	50	1498670000						
95	18	13.5	19	70	8.98	50	1498680000						
120	20	15.5	21	70	10.27	25	1498690000						
150	22	17	23.5	80	14.96	25	1498710000						
185	25	19	25.5	85	16.78	25	1498720000						
240	28	21.5	29	90	23.20	15	1498730000						
300	32	24.5	32	100	30.52	10	1498740000						

Terminals noninsulated







Terminals 0.1 – 6 mm², DIN 46234

Technical data

Material:	Cu-HCP
Surface:	tin plated S = small palm

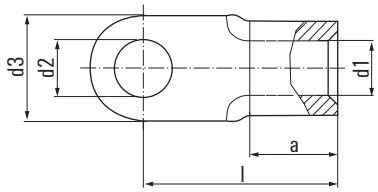
Ordering data

Cross-section mm²	flat hole M	d1	dimensions in mm d2	d3	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
0.1 – 0.5	2	1	2.2	5	10	4	0.02	100	1493670000				
	3		3.2	5	10		0.02	100	1493680000				
	4		4.3	6.5	12		0.03	100	1493690000				
	5		5.3	8	11		0.03	100	1493700000				
0.5 – 1	2*	1.6	2.2	6	11	5	0.06	100	1493720000				
	2.5		2.7	6	11		0.06	100	1493730000				
	3		3.2	6	11		0.06	100	1493740000				
	3.5		3.7	6	11		0.06	100	1493750000				
	4/S*		4.3	7	11		0.06	100	1493760000				
	4		4.3	8	12		0.07	100	1493770000				
	5/S*		5.3	8	12		0.06	100	1493780000				
	5		5.3	10	13		0.08	100	1493790000				
	6*		6.5	10	13		0.07	100	1493800000				
	8*		8.4	12	17		0.10	100	1493810000				
	10*		10.5	14	17		0.10	100	1493710000				
1.5 – 2.5	3	2.3	3.2	6	11	5	0.07	100	1493820000				
	3.5		3.7	6	11		0.06	100	1493830000				
	4/S*		4.3	6.8	11		0.06	100	1493840000				
	4		4.3	8	12		0.08	100	1493850000				
	5/S*		5.3	8	12		0.07	100	1493870000				
	5		5.3	10	14		0.10	100	1493890000				
	6		6.5	11	16		0.11	100	1493900000				
	8		8.4	14	17		0.14	100	1493910000				
	10*		10.5	18	20		0.19	100	1493930000				
	12*		13	18	20		0.16	100	1493940000				
4 – 6	4	3.6	4.3	8	14	6	0.14	100	1493950000				
	5		5.3	10	15		0.16	100	1493960000				
	6		6.5	11	16		0.17	100	1493970000				
	8		8.4	14	19		0.21	100	1493980000				
	10		10.5	18	21		0.27	100	1493990000				
	12*		13	18	21		0.23	100	1494000000				

* not standardized, dimensions similar to DIN 46234

Terminals ring and fork-type, noninsulated





Terminals 10 – 240 mm², DIN 46234

Technical data

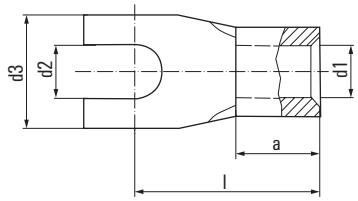
Material:	Cu-HCP
Surface:	tin plated

Ordering data

Cross-section mm²	flat hole M	d1	dimensions in mm d2	d3	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation CTN 25 D4	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
10	4*	4.5	4.3	10	16	8	0.23	100	1494010000				
	5		5.3	10	16		0.22	100	1494020000				
	6		6.5	11	17		0.24	100	1494030000				
	8		8.4	14	20		0.29	100	1494040000				
	10		10.5	18	21		0.35	100	1494050000				
	12		13	22	23		0.41	100	1494060000				
16	5	5.8	5.3	11	20	10	0.40	100	1494070000				
	6		6.5	11	20		0.38	100	1494080000				
	8		8.4	14	22		0.42	100	1494090000				
	10		10.5	18	24		0.50	100	1494100000				
	12		13	22	26		0.58	100	1494110000				
25	5	7.5	5.3	12	25	11	0.70	50	1494120000				
	6		6.5	12	25		0.71	50	1494130000				
	8		8.4	16	25		0.76	50	1494140000				
	10		10.5	18	26		0.78	50	1494150000				
	12		13	22	31		0.97	50	1494160000				
	16		17	28	35		1.20	50	1493490000				
35	6	9	6.5	15	26	12	0.97	50	1494170000				
	8		8.4	16	26		0.96	50	1494180000				
	10		10.5	18	27		1.00	50	1494190000				
	12		13	22	31		1.17	50	1493130000				
	16		17	28	36		1.41	50	1493140000				
	20*		21	30	37.5	14	1.67	50	1493520000				
50	6	11	6.5	18	34	16	1.75	50	1493510000				
	8		8.4	18	34		1.72	50	1493150000				
	10		10.5	18	34		1.66	50	1493160000				
	12		13	22	36		1.80	50	1493170000				
	16		17	28	40		2.11	50	1493180000				
	20*		21	32	41.2	18	2.57	50	1493530000				
70	6	13	6.5	22	38	18	2.66	50	1493190000				
	8		8.4	22	38		2.34	50	1493210000				
	10		10.5	22	38		2.58	50	1493220000				
	12		13	22	38		2.49	50	1493230000				
	16		17	28	42		2.77	50	1493240000				
	20*		21	32	45	19	3.06	50	1493250000				
95	8	15	8.4	24	42	20	4.24	25	1493260000				
	10		10.5	24	42		4.17	25	1493270000				
	12		13	24	42		3.92	25	1493280000				
	16		17	28	44		3.94	25	1493290000				
	20*		21	32	51.8		4.25	25	1493310000				
120	8	16.5	8.4	24	44	22	5.77	25	1493320000				
	10		10.5	24	44		5.67	25	1493330000				
	12		13	24	44		5.42	25	1493340000				
	16		17	28	48		6.21	25	1493350000				
	20*		21	32	53	21	5.81	25	1493360000				
150	10	19	10.5	30	50	24	8.29	25	1493370000				
	12		13	30	50		8.31	25	1493380000				
	16		17	30	50		8.01	25	1493390000				
	20*		21	36	63	27	7.35	25	1493410000				
185	10	21	10.5	36	50	28	11.16	25	1493420000				
	12		13	36	50		10.78	25	1493430000				
	16		17	36	50		10.61	25	1493440000				
	20*		21	36	50		10.17	25	1493450000				
240	10	23.5	10.5	38	56	32	15.01	25	1493460000				
	12		13	38	56		14.98	25	1493470000				
	16		17	38	56		14.53	25	1493480000				

* not standardized





Terminals
fork-type 0,5 – 16 mm²

Technical data

Material: Cu-HCP (0,5 – 10 mm²)
Cu-ETP (16 mm²)

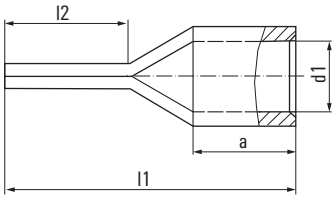
Surface: tin plated
S = small palm

Ordering data

Cross-section mm²	flat hole M	d1	dimensions in mm d2	d3	l	a	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	CTN 25 D4	EPG 45	APG 55 + HPG 44	APG 80 + HPG 80
0.5 – 1	C 3	1.6	3.2	6	11	5	0.06	100	1493540000					
	C 3.5		3.7	6	11		0.05	100	1493550000					
	C 4/S		4.3	7	12		0.06	100	1493560000					
	C 4		4.3	8	12		0.07	100	1493570000					
	C 5		5.3	10	13		0.08	100	1493580000					
	C 6		6.5	12	17		0.09	100	1493590000					
1.5 – 2.5	C 3	2.3	3.2	6	11	5	0.06	100	1493600000					
	C 3.5		3.7	6.8	11		0.07	100	1493610000					
	C 4/S		4.3	6.8	11		0.06	100	1493620000					
	C 4		4.3	8	12		0.08	100	1493630000					
	C 5		5.3	10	14		0.10	100	1493640000					
	C 6		6.5	11	16		0.11	100	1493650000					
4 – 6	C 4	3.6	4.3	8	14	6	0.14	100	1493660000					
	C 5		5.3	10	15		0.16	100	1492650000					
	C 6		6.5	11	16		0.16	100	1492660000					
	C 8		8.4	14	19		0.19	100	1492670000					
10	C 5	4.5	5.3	10	16	8	0.23	100	1492680000					
	C 6		6.5	11	17		0.24	100	1492690000					
16	C 6	5.8	6.5	11	20	10	0.48	50	1492700000					
	C 8		8.4	14	22		0.50	50	1492710000					

Pin cable lugs DIN 46230, noninsulated





Pin cable lugs 0.1 – 95 mm², DIN 46230

Technical data

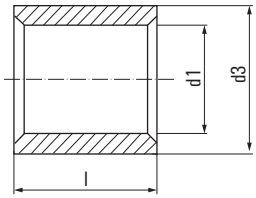
Material:	Cu-HCP (0.1 – 6 mm²) Cu-ETP (10 – 95 mm²)
Surface:	tin plated

Ordering data

Cross-section mm²	dimensions in mm d1	l1	l2	a	Ø pin	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	CTN 25 D4	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
0.1 – 0.5	1	14	9	4	1.2	0.02	100	1492720000					
0.5 – 1	1.6	17	10	5	1.9	0.06	100	1492730000					
1.5 – 2.5	2.3	17	10	5	1.9	0.07	100	1492740000					
		22	15			0.09	100	1492750000*					
4 – 6	3.6	20	11	6	2.6	0.15	100	1492770000					
10	4.5	22	12	8	2.3 x 4.2	0.25	100	1492780000					
16	5.8	26	13	10	2.5 x 5.6	0.41	100	1492790000					
25	7	34.1	16	14	2.5 x 6.9	0.66	50	1492800000*					
35	8.4	41	20	16	3.2 x 8.1	1.19	50	1492810000*					
50	9.5	45.7	21	19	3.7 x 9.5	1.88	50	1492820000*					
70	11.2	55	24	24	4 x 11	3.01	50	1492830000*					
95	13.5	55.5	22	24	5.1 x 12.3	4.2	25	1492840000*					

* not standardized





Parallel connectors 0.1 – 150 mm², form A, DIN 46341 part 1

Technical data

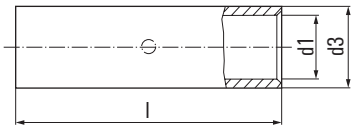
Material: Cu-HCP
Surface: tin plated

Ordering data

Cross-section mm²	dimensions in mm l	d1	d3	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	CTN 25 D4	EPG 45	APG 55 + HPG 44	APG 80 + HPG 80
0.1 – 0.5*	5	1.2	2	0.01	100	1492850000					
0.5 – 1	7	1.6	3.3	0.04	100	1492860000					
1.5 – 2.5	7	2.3	4	0.05	100	1492870000					
4 – 6	7	3.6	5.7	0.09	100	1492880000					
10	9	4.6	6.8	0.15	100	1492890000					
16	10	5.9	8.3	0.23	100	1492900000					
25	12.5	7.7	10.7	0.45	100	1492910000					
35	14	9.2	12.4	0.65	100	1492920000					
50	17.5	11.2	14.8	1.13	100	1492930000					
70	18	13.5	17.5	1.59	100	1492940000					
95	19	15	20	2.34	50	1492950000					
120	21	16.7	22.7	3.53	50	1492960000					
150	25	19	25.5	5.02	50	1492970000					

* not standardized





Joint connector 0.1 – 150 mm², form B, DIN 46341 part 1

Technical data

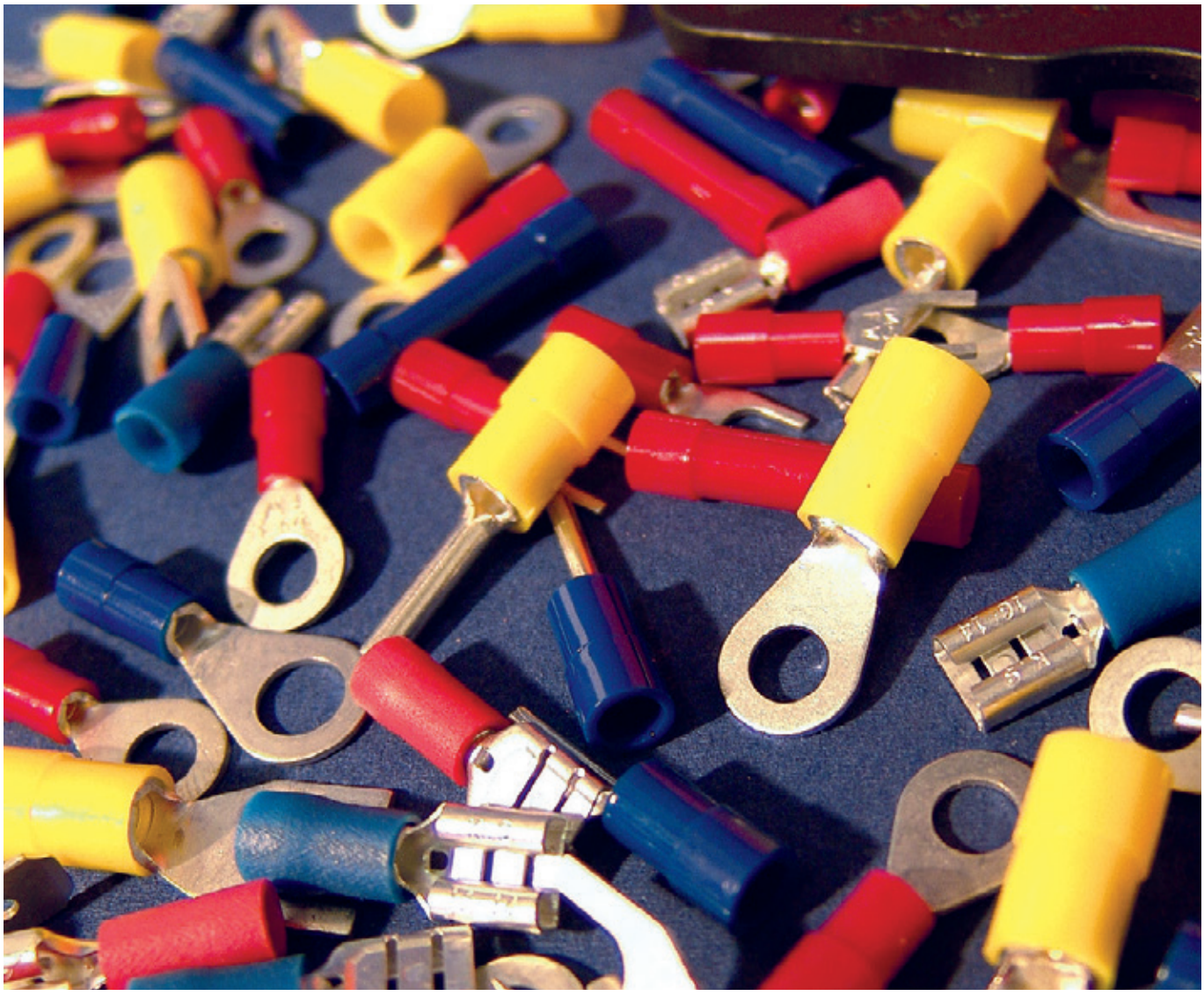
Material: Cu-HCP
Surface: tin plated

Ordering data

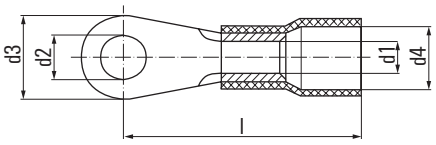
Cross-section mm²	dimensions in mm l	d1	d3	weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTN 21	CTN 25 D4	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
0,1 – 0,5*	12	1,2	2	0,02	100	1492980000					
0,5 – 1	15	1,6	3,3	0,09	100	1492990000					
1,5 – 2,5	15	2,3	4	0,11	100	1493010000					
4 – 6	15	3,6	5,7	0,18	100	1493020000					
10	20	4,6	6,8	0,36	100	1493030000					
16	26	5,9	8,3	0,61	100	1493040000					
25	29	7,7	10,7	1,13	100	1493050000					
35	32	9,2	12,4	1,55	100	1493060000					
50	38	11,2	14,8	2,44	100	1493070000					
70	42	13,5	17,5	3,73	50	1493080000					
95	48	15	20	6,08	50	1493090000					
120	52	16,7	22,7	8,67	50	1493110000					
150	56	19	25,5	11,25	50	1493120000					

* not standardized

Insulated connectors







Terminals 0.1 – 6 mm² DIN 46237 soldered seam and easy-entry insulation

Technical data

Material: Cu-ETP
insulation: PC
or
* insulation: PA

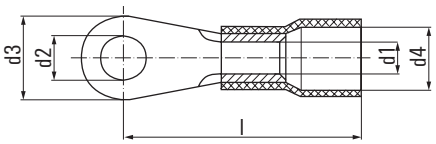
Surface: tin plated
S = small palm

Ordering data

Cross-section mm²	flat hole M	colour of insulation	dimensions in mm d1	d4	d2	d3	l	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTI 15	CTI 6 + CTI 6G
0.1 – 0.5	2	yellow	1	2.3	2.2	5	14	0.02	100	1492090000*		
	3				3.2	5	14	0.02	100	1492100000*		
	4				4.3	6.5	16	0.03	100	1492110000*		
	5				5.3	8	16	0.03	100	1492120000*		
0.5 – 1	2	red	1.6	4	2.2	6	17	0.06	100	1492140000		
	2.5				2.7	6	17	0.06	100	1492150000		
	3				3.2	6	17	0.06	100	1492170000		
	3.5				3.7	6	17	0.06	100	1492180000		
	4/S				4.3	7	17.5	0.06	100	1492190000		
	4				4.3	8	18	0.07	100	1492200000		
	5/S				5.3	8	18.5	0.06	100	1492210000		
	5				5.3	10	19	0.08	100	1492220000		
	6				6.5	10	19	0.07	100	1492230000		
	8				8.4	14	23	0.10	100	1492240000		
	10				10.5	18	25	0.10	100	1492130000		
1.5 – 2.5	3	blue	2.3	4.4	3.2	6	17	0.07	100	1492250000		
	3.5				3.7	6	17	0.06	100	1492270000		
	4/S				4.3	6.8	17.6	0.06	100	1492280000		
	4				4.3	8	18	0.08	100	1492290000		
	5/S				5.3	8	19.5	0.07	100	1492300000		
	5				5.3	10	20	0.10	100	1492310000		
	6				6.5	11	22	0.11	100	1492320000		
	8				8.4	14	23	0.14	100	1492330000		
	10				10.5	18	25.6	0.19	100	1492340000		
	12				13	18	26	0.16	100	1492350000		
4 – 6	4	yellow	3.6	6.4	4.3	8	21	0.14	100	1492370000		
	5				5.3	10	22	0.16	100	1492380000		
	6				6.5	11	23	0.17	100	1492390000		
	8				8.4	14	26	0.21	100	1492400000		
	10				10.5	18	28	0.27	100	1492410000		
	12				13	18	28	0.23	100	1492420000		

* insulation PA





Terminals 10 – 16 mm² with soldered seam and easy-entry insulation

Technical data

Material: Cu-ETP
insulation: PA

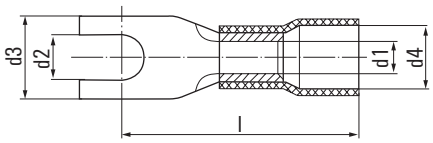
Surface: tin plated

Ordering data

Cross-section mm²	flat hole M	colour of insulation	dimensions in mm d1	d4	d2	d3	l	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
10	5	red	4,5	8	5,3	10	24,5	0,22	50	1492430000			
	6				6,5	11	25,5	0,24	50	1492440000			
	8				8,4	14	28,5	0,29	50	1492450000			
	10				10,5	18	29,5	0,35	50	1492470000			
16	5	blue	5,8	10,5	5,3	11	31,5	0,40	50	1492480000			
	6				6,5	11	31,5	0,38	50	1492490000			
	8				8,4	14	33,5	0,42	50	1492500000			
	10				10,5	18	35,5	0,50	50	1492510000			

Terminals fork type





Terminals fork type 0.5 – 16 mm² with soldered seam and easy-entry insulation

Technical data

Material: Cu-ETP
insulation: PC
or
* insulation: PA

Surface: tin plated
S = small palm

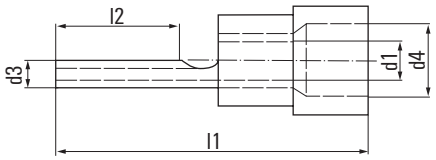
Ordering data

Cross-section mm²	flat hole M	colour of insulation	dimensions in mm d1	d4	d2	d3	l	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.	Tool recommendation HTI 15	CTI 6 + CTI 6G	EPG 45	APG 55 + HPG 55	APG 80 + HPG 80
0.5 – 1	C 3	red	1.6	4	3.2	6	17	0.06	100	1492520000					
	C 3.5				3.7	6	17	0.05	100	1492530000					
	C 4/S				4.3	6.8	18	0.06	100	1492540000					
	C 4				4.3	8	18.1	0.07	100	1492550000					
	C 5				5.3	10	19	0.08	100	1492580000					
	C 6				6.5	11	21	0.09	100	1492590000					
1.5 – 2.5	C 3	blue	2.3	4.5	3.2	5.5	19	0.06	100	1492600000					
	C 3.5				3.7	6	17	0.07	100	1492610000					
	C 4/S				4.3	6.8	18.7	0.06	100	1492620000					
	C 4				4.3	8	18	0.08	100	1492630000					
	C 5				5.3	10	20	0.10	100	1492640000					
	C 6				6.5	11	22	0.11	100	1491260000					
4 – 6	C 4	yellow	3.6	6.4	4.3	8	21	0.14	100	1491270000					
	C 5				5.3	10	22	0.16	100	1491280000					
	C 6				6.5	11	23	0.16	100	1491290000					
	C 8				8.4	14	26	0.19	100	1491310000					
	C 10				10.5	18	28	0.33	100	1491320000					
10	C 5	red	4.5	8	5.3	10.5	24.1	0.23	50	1491330000*					
	C 6				6.5	10.8	24.6	0.24	50	1491340000*					
16	C 6	blue	5.8	11	6.5	11	32.2	0.48	50	1491350000*					
	C 8				8.4	13.8	32.2	0.50	50	1491360000*					

* insulation PA

Pin cable lugs 0.1 – 35 mm² DIN 46231 with soldered seam and easy-entry insulation





Technical data

Material:	Cu-HCP (0.1 – 0.5 mm²) or Cu-ETP (0.5 – 35 mm²)
Isolation:	PC (resp. *PA)
Surface:	tin plated

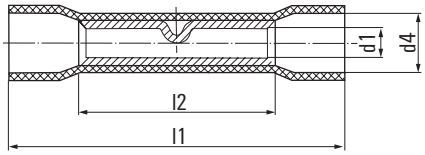
Ordering data

Cross-section mm²	colour of insulation	dimensions in mm d1	d4	d3	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.1 – 0.5	yellow	1	2.2	1.2	18	9	0.02	100	**1491370000***
0.5 – 1	red	1.7	4	1.9	22.8	11	0.06	100	**1491380000**
1.5 – 2.5	blue	2.3	4.5	1.9	22.8	11	0.07	100	**1491390000**
	blau				27	14	0.09	100	**1491410000**
4 – 6	yellow	3.6	6.4	2.8	27	11	0.15	100	**1491420000**
10	red	4.5	7.8	2.4 x 4.3	34	12	0.25	50	**1491430000***
16	blue	5.8	9.1	2.5 x 5.6	40.7	13.5	0.41	50	**1491440000***

* insulation PA

Joint connector 0.1 – 6 mm² with soldered seam and easy-entry insulation





Technical data

Material:	Cu-HCP (0,1 – 0,5 mm²) or. Cu-ETP (0,5 – 6 mm²)
Isolation:	PC (resp. *PA)
Surface:	tin plated

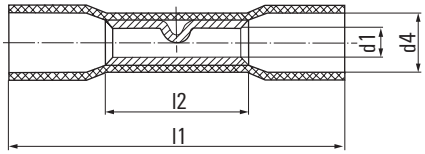
Ordering data

Cross-section mm²	colour of insulation	dimensions in mm d1	d4	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.1 – 0.5	yellow	1.2	2	12	20	0.02	100	**1491540000***
0.5 – 1	red	1.6	4.1	15	25	0.09	100	**1491550000**
1.5 – 2.5	blue	2.3	4.5	15	26	0.11	100	**1491560000**
4 – 6	yellow	3.6	6.4	15	27	0.18	100	**1491570000**

* insulation PA

Joint connector 0.14 – 6 mm² with heat shrink insulation and lined tubing





Technical data

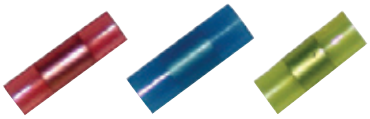
Material:	Cu-ETP tin plated
Isolation:	0.14 – 0.5 mm² = Polyolefin 0.5 – 6 mm² = Polyethylen
Shrink temperature:	approx. 120 °C

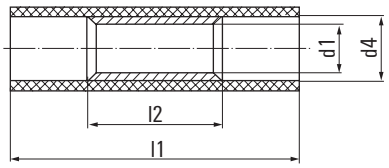
Ordering data

Cross-section mm²	colour of insulation	dimensions in mm d1	d4	l21	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.14 – 0.5	yellow	1.4	3.1	11.5	24.5	0.04	50	**1491490000**
0.5 – 1	red	1.7	4.4	15	36	0.09	50	**1491510000**
1.5 – 2.5	blue	2.3	5.2	15	36	0.11	50	**1491520000**
4 – 6	yellow	3.6	6.5	15	41	0.18	20	**1491530000**

* insulation PA

Parallel connectors / closed end connectors





Parallel connectors 0.1 – 6 mm²

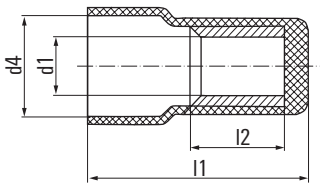
Technical data

Material:	Cu-HCP
Insulation:	PA
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm d1	d4	l2	l1	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0,1 – 0,5	yellow	1,2	2	5	12	0,01	100	**1491450000**
0,5 – 1	red	1,7	3,2	7	17	0,04	100	**1491460000**
1,5 – 2,5	blue	2,3	4	7	17	0,05	100	**1491470000**
4 – 6	yellow	3,6	5,4	7	21,2	0,09	100	**1491480000**





Closed end connectors 1.5 – 10 mm² one side closed

Technical data

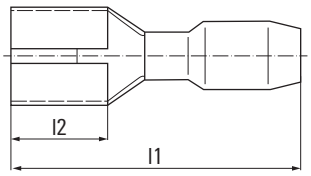
Material:	Cu-ETP
Insulation:	PA
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm d1	d4	l21	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
1.5 – 2.5	blue transparent	2.3	6.4	8	15.4	0.05	100	**1491580000**
4 – 6	yellow transparent	3.4	9.2	8.5	17.7	0.09	100	**1491590000**
10	transparent	5	11.8	8	22	0.15	50	**1491610000**

* insulation PA





Cable-lug sleeves 0.5 – 6 mm²

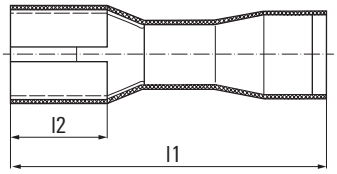
Technical data

Material: MS
Insulation: PVC
Surface: tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm tab-width	tab-thickness	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	2.8	0.5	19	6.5	0.08	100	**1491640000**
		2.8	0.8	19	6.5	0.08	100	**1491650000**
		4.8	0.5	19.4	6.4	0.09	100	**1491660000**
		4.8	0.8	19.4	6.4	0.09	100	**1491670000**
		6.3	0.8	20.8	7.5	0.10	100	**1491680000**
1.5 – 2.5	blue	2.8	0.5	19	6.5	0.08	100	**1491730000**
		2.8	0.8	19	6.5	0.08	100	**1491740000**
		4.8	0.5	19.4	6.4	0.09	100	**1491690000**
		4.8	0.8	19.4	6.4	0.09	100	**1491710000**
		6.3	0.8	20.8	7.3	0.11	100	**1491720000**
4 – 6	yellow	6.3	0.8	23.3	7.3	0.18	100	**1491750000**
		9.5	1.2	28.6	12	0.27	100	**1491760000**





Cable-lug sleeves 0.5 – 6 mm² completely insulated

Technical data

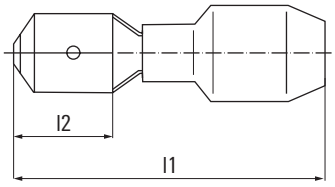
Material: Ms
Insulation: PVC
Surface: tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm tab-width	tab-thickness	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	2.8	0.5	19.2	6.4	0.08	100	**1491860000**
		2.8	0.8	19.2	6.4	0.08	100	**1491870000**
		4.8	0.5	20.2	6.4	0.10	100	**1491880000**
		4.8	0.8	20.2	6.4	0.10	100	**1491890000**
		6.3	0.8	21.5	7.3	0.11	100	**1491910000**
1.5 – 2.5	blue	4.8	0.5	20.2	6.5	0.11	100	**1491920000**
		4.8	0.8	20.2	6.5	0.11	100	**1491930000**
		6.3	0.8	21.5	7.3	0.14	100	**1491940000**
4 – 6	yellow	6.3	0.8	24.2	7.3	0.20	100	**1491950000**

Cable lug connector / piggy back disconnectors





Cable lug connector 0.5 – 6 mm²

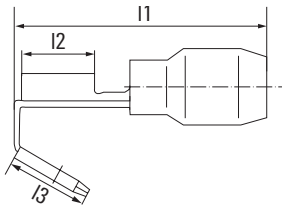
Technical data

Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm tab-width	tab-thickness	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5	red	2.8	0.8	19.2	6.5	0.08	100	**1491790000**
		4.8	0.8	19.8	6.7	0.08	100	**1491810000**
		6.3	0.8	21.8	7.7	0.09	100	**1491820000**
1.5 – 2.5	blue	4.8	0.8	19.8	6.7	0.09	100	**1491850000**
		6.3	0.8	21.8	7.7	0.1	100	**1491830000**
4 – 6	yellow	6.3	0.8	24	7.7	0.17	100	**1491840000**





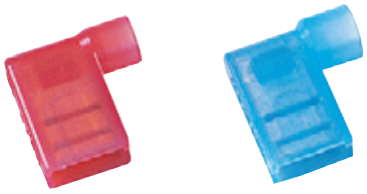
Piggy back disconnectors 0.5 – 2.5 mm²

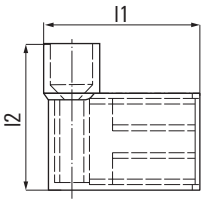
Technical data

Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm tab-width	tab-thickness	l1	l2	l3	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	6.3	0.8	23.9	8	8.2	0.15	100	**1491770000**
1.5 – 2.5	blue	6.3	0.8	23	8	8.2	0.15	100	**1491780000**





Flag female disconnectors 0.5 – 2.5 mm², completely insulated

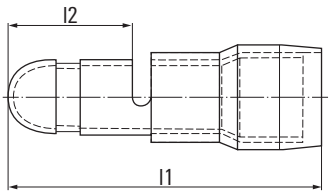
Technical data

Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm tab-width	tab-thickness	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	6.3	0.8	16.3	15	0.14	100	**1491960000**
1.5 – 2.5	blue	6.3	0.8	16.8	15	0.13	100	**1491970000**





Circular plug 0.5 – 6 mm²

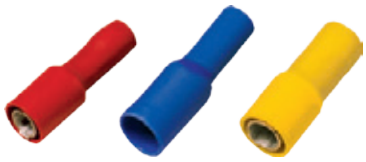
Technical data

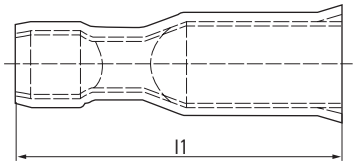
Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm pin Ø	l1	l2	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	4	21.5	8.5	0.1	100	**1492040000**
1.5 – 2.5	blue	5	21.2	8.5	0.11	100	**1492050000**
4 – 6	yellow	5	24	8.5	0.17	100	**1492060000**

Round-plug sleeves





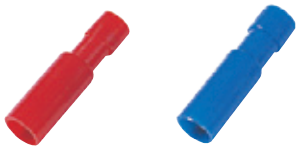
Round-plug sleeves 0.5 – 6 mm²

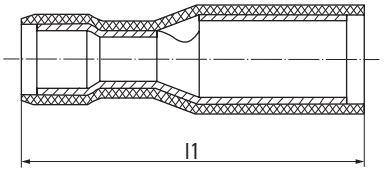
Technical data

Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm pin Ø	l1	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	4	23.3	0.13	100	**1491980000**
1.5 – 2.5	blue	5	23.3	0.15	100	**1491990000**
4 – 6	yellow	5	25.1	0.23	100	**1492010000**





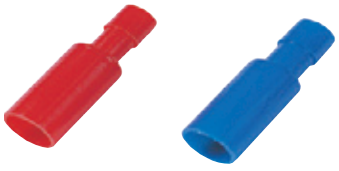
Round-plug sleeves 0.5 – 2.5 mm², completely insulated

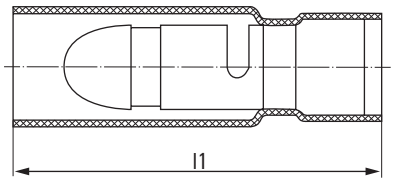
Technical data

Material:	MS
Insulation:	PA
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm pin Ø	l1	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	4	25.2	0.12	100	**1492020000**
1.5 – 2.5	blue	4	25.2	0.13	100	**1492030000**





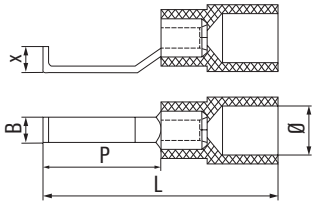
Round-plug sleeves 0,5 – 6 mm² completely insulated

Technical data

Material:	MS
Insulation:	PVC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm pin Ø	l1	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1	red	4	27	0.13	100	**1492070000**
1.5 – 2.5	blue	4	27	0.15	100	**1492080000**



Insulated hook-type cable lug

Technical data

Material:	copper
Insulation:	PC
Surface:	tin plated

Ordering data

Cross-section mm²	colour of insulation	dimensions in mm Ø	x	L	P	Cu- weight 100 pcs./kg	Qty. (pcs.)	Order No.
0.5 – 1.5	red	4	2.1	28.4	17.4	0.74	100	**1233340000**
0.5 – 1.5	red	4	2.1	28.4	17.4	0.88	100	**1312440000**
1.5 – 2.5	blue	4.5	2.1	28.2	17.4	1.05	100	**1233330000**
1.5 – 2.5	blue	4.5	2.1	28.2	17.4	0.88	100	**1312450000**
4.0 – 6.0	yellow	6.4	2.8	30.2	17.2	1.59	100	**1312470000**
4.0 – 6.0	yellow	6.4	2.8	30.2	17.2	1.825	100	**1216230000**

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AIE M-SPX 1.5-6.0 S	9204570000	C.11
AIE multi-spx 0.75-4²SL	9203730000	C.11
AIE multi-stripax 16 SL	9202270000	C.11
AIE multi-stripax 6-16	9202260000	C.11
AIE multi-stripax ASI	9202300000	C.11
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AMF 6/10	9204180000	C.13
APG 55	1501390000	D.41
APG 55 120V	1508790000	D.41
APG 80	1502390000	D.44
APG 80 120V	1508820000	D.44
B		
BATTERIE 1,5V MICRO	9203110000	G.6
BATTERIE 1,5V MICRO	9203130000	G.6
BATTERIE 1,5V MICRO	9203110000	G.7
BATTERIE 1,5V MICRO	9203110000	G.8
BATTERIE 1,5V MICRO	9203130000	G.8
BATTERIE 1,5V MICRO	9203110000	G.9
BATTERIE 1,5V MICRO	9203130000	G.18
BATTERIE 1,5V MICRO	9203130000	G.18
BHS 1/4	9009630000	F.9
BIT E6,3 0,4x2,5x70	9202750000	F.8
BIT E6,3 0,5x3,0x70	9024000000	F.8
BIT E6,3 0,6x3,5x70	9024020000	F.8
BIT E6,3 0,6X4,5X110	9205630000	F.8
BIT E6,3 0,8x4,0x70	9024030000	F.8
BIT E6,3 1,0x5,5x70	9024040000	F.8
BIT E6,3 1,2x6,5x70	9202740000	F.8
BIT E6,3 PH1x70	9024080000	F.8
BIT E6,3 PH2x70	9024090000	F.8
BIT E6,3 PZ1x70	9024100000	F.8
BIT E6,3 PZ2x70	9024110000	F.8
BIT E6,3 T15	1318350000	F.8
BIT E6,3 T20	1318370000	F.8
BIT E6,3 T40	1318380000	F.8
BIT E6.3 0.5X3.0X110	9205600000	F.8
BIT E6.3 0.6X3.5X110	9205610000	F.8
BIT E6.3 0.8X4.0X110	9205620000	F.8
BIT E6.3 1.0X5.5X110	9205640000	F.8
BIT E6.3 1.2X6.5X110	9205650000	F.8
BIT E6.3Z 0.6X3.5X70	9205670000	F.8
BIT E6.3Z 0.8X4.0X70	9205660000	F.8
Bit-Box WI DMS 3	9024970000	F.9
BLOCKBATTERIE 9V	9004810000	G.13
BLOCKBATTERIE 9V	9004810000	G.13
BLOCKBATTERIE 9V	9004810000	G.14
BLOCKBATTERIE 9V	9004810000	G.15
BLOCKBATTERIE 9V	9004810000	G.15
C		
CAR-CHECK	9918970000	G.11
CCM ABLAENGAUTOMAT	9025440000	I.5
COMBI CHECK	9918860000	G.8
Combi Check 2MM	9204230000	G.8
COMBI CHECK PRO	1279330000	G.8
COMBI CHECK PRO 2MM	1279550000	G.8
CRIMPFIX 2.5 M	9205410000	I.9
CRIMPFIX L	9028530000	I.10
CRIMPFIX LS	9028540000	I.10
CRIMPFIX LZ	9027310000	I.10
CRIMPFIX R	9028500000	I.9
CRIMPFIX RS	1477030000	I.9
Crimpset CTI 6	9202600000	H.9
Crimp-Set Kontakte	9202640000	H.10
Crimpset PZ / CTI	9202610000	H.10
CRIMP-SET PZ 16	9025850000	H.7
CRIMP-SET PZ 16 D	9028800000	H.7
CRIMP-SET PZ 16 T	9028810000	H.7
CRIMP-SET PZ 3	9028650000	H.6
CRIMP-SET PZ 3 D	9028660000	H.6
CRIMP-SET PZ 3 T	9028670000	H.6
CRIMP-SET PZ 4	9025800000	H.6
CRIMP-SET PZ 4 D	9028630000	H.6

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CRIMP-SET PZ 4 T	9028640000	H.6
CRIMP-SET PZ 50	9028850000	H.8
CRIMP-SET PZ 50 D	9028870000	H.8
CRIMP-SET PZ 50 T	9028880000	H.8
CRIMP-SET PZ 6 ROTO L	9028680000	H.6
CRIMP-SET PZ 6 ROTO L D	9028690000	H.6
CRIMP-SET PZ 6 ROTO L T	9028700000	H.6
CRIMP-SET PZ 6/5	9028740000	H.7
CRIMP-SET PZ 6/5 D	9028750000	H.7
CRIMP-SET PZ 6/5 T	9028760000	H.7
CRIMP-SET PZ ZH 16	9028820000	H.8
CRIMP-SET PZ ZH 16 D	9028830000	H.8
CRIMP-SET PZ ZH 16 T	9028840000	H.8
CRIMP-SET STRIPAX PLUS	9028770000	H.7
CRIMP-SET STRIPAX PLUS D	9028780000	H.7
CRIMP-SET STRIPAX PLUS T	9028790000	H.7
CROSS-KEY MASTER	9918150000	F.29
CROSS-KEY UNIVERSAL	9918130000	F.29
CROSS-KEY UNIVERSAL S	9918140000	F.29
CST	9030500000	C.14
CST VARIO	9005700000	C.15
CTF 63	9202860000	D.16
CTF 63	9202860000	D.5
CTF 63 ZERT	1077010000	D.16
CTF PV WM4	1222870000	D.24
CTI 6	9006120000	D.17
CTI 6	9006120000	D.5
CTI 6	9006120000	J.3
CTI 6 G	9202850000	D.17
CTI 6 G	9202850000	D.5
CTI 6 G	9202850000	J.3
CTI 6 G ZERT	1292880000	D.17
CTI 6 ZERT	9017290000	D.17
CTIN CM 1.6/2.5	9205430000	D.20
CTIN CM 1.6/2.5	9205430000	D.4
CTIN CM 3.6	9205440000	D.20
CTIN CM 3.6	9205440000	D.4
CTN 25 D4	9006220000	D.19
CTN 25 D4	9006220000	D.5
CTN 25 D4 ZERT	9017350000	D.19
CTN 25 D5	9006230000	D.19
CTN 25 D5	9006230000	D.5
CTN 25 D5 ZERT	1292870000	D.19
CTX 500	9006320000	D.26
CTX 500	9006320000	D.5
CTX 501	9006370000	D.26
CTX 501	9006370000	D.5
CTX 502	9006380000	D.26
CTX 502	9006380000	D.5
CTX CM 1.6/2.5	9018490000	D.20
CTX CM 1.6/2.5	9018490000	D.4
CTX CM 1.6/2.5 ZERT	9013690000	D.20
CTX CM 3.6	9018480000	D.20
CTX CM 3.6	9018480000	D.4
CTX CM 3.6 ZERT	1270320000	D.20
CUTFIX 8	9023100000	I.5
D		
DFF-C ENTRIEGELUNGSWZ.	9014210000	D.52
DIGI CHECK	9918850000	G.6
Digi Check 2MM	9201590000	G.6
DIGI CHECK PRO	9918870000	G.6
Digi Check Pro 2MM	9201580000	G.6
DMS 3	9007440000	F.7
DMS 3 ZERT	9017870000	F.7
DMS MANUELL 0,5-1,7	9918370000	F.11
DMS MANUELL 2,0-8,0	9918380000	F.11
DMS PRO	1479120000	F.6
DMSI MANUELL 0,5-1,7	9918390000	F.12
DMSI MANUELL 2,0-8,0	9918400000	F.12
DW RSV 1.6	9004530000	D.52
E		
EINSATZ A7-1 CL55	9028450000	H.12
EINSATZ A8-1 CL55	9028460000	H.12
EINSATZ A8-2 CL55	9028420000	H.12
EINSATZ A9-1 CL55	9202020000	H.12
EINSATZ A9-2 CL55	9203260000	H.12
EINSATZ BA7-PSC 80	9202320000	H.13
EINSATZ BA8-PSC 80	9202310000	H.13
EINSATZ MTR 160 10÷25WM	9021750000	D.40
EINSATZ MTR 160 10DIN	9021300000	D.40
EINSATZ MTR 160 10HEX	9020900000	D.40
EINSATZ MTR 160 120DIN	9021370000	D.40
EINSATZ MTR 160 120HEX	9020970000	D.40
EINSATZ MTR 160 120WM	9021800000	D.40
EINSATZ MTR 160 150DIN	9021380000	D.40
EINSATZ MTR 160 150HEX	9020980000	D.40
EINSATZ MTR 160 150WM	9021810000	D.40
EINSATZ MTR 160 16÷35WM	9021760000	D.40
EINSATZ MTR 160 16DIN	9021310000	D.40
EINSATZ MTR 160 16HEX	9020910000	D.40
EINSATZ MTR 160 185HEX	9020990000	D.40
EINSATZ MTR 160 185WM	9021820000	D.40
EINSATZ MTR 160 240HEX	9021000000	D.40
EINSATZ MTR 160 240WM	9021830000	D.40
EINSATZ MTR 160 25DIN	9021320000	D.40

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EINSATZ MTR 160 25HEX	9020920000	D.40
EINSATZ MTR 160 35DIN	9021330000	D.40
EINSATZ MTR 160 35HEX	9020930000	D.40
EINSATZ MTR 160 50DIN	9021340000	D.40
EINSATZ MTR 160 50HEX	9020940000	D.40
EINSATZ MTR 160 50WM	9021770000	D.40
EINSATZ MTR 160 70DIN	9021350000	D.40
EINSATZ MTR 160 70HEX	9020950000	D.40
EINSATZ MTR 160 70WM	9021780000	D.40
EINSATZ MTR 160 95DIN	9021360000	D.40
EINSATZ MTR 160 95HEX	9020960000	D.40
EINSATZ MTR 160 95WM	9021790000	D.40
EINSATZP.HEX10QMM	9021430000	D.40
EINSATZP.HEX120QMM	9022300000	D.40
EINSATZP.HEX150QMM	9022310000	D.40
EINSATZP.HEX16QMM	9021440000	D.40
EINSATZP.HEX185QMM	9022320000	D.40
EINSATZP.HEX240QMM	9022330000	D.40
EINSATZP.HEX25QMM	9021450000	D.40
EINSATZP.HEX300QMM	9022340000	D.40
EINSATZP.HEX35QMM	9021460000	D.40
EINSATZP.HEX50QMM	9021470000	D.40
EINSATZP.HEX70QMM	9021480000	D.40
EINSATZP.HEX95QMM	9022290000	D.40
EINSATZP.WM 10+25QMM	9024010000	D.40
EINSATZP.WM 120QMM	9025210000	D.40
EINSATZP.WM 150QMM	9025220000	D.40
EINSATZP.WM 16+35QMM	9024400000	D.40
EINSATZP.WM 185QMM	9025230000	D.40
EINSATZP.WM 240QMM	9028020000	D.40
EINSATZP.WM 50QMM	9024410000	D.40
EINSATZP.WM 70QMM	9024420000	D.40
EINSATZP.WM 95QMM	9024430000	D.40
EINSATZPAAR ISO 10QMM	9016180000	D.40
EINSATZPAAR ISO 16QMM	9016190000	D.40
EINSATZPAAR ISO 25QMM	9016200000	D.40
EINSATZPAAR ISO 35QMM	9016210000	D.40
EINSATZPAAR ISO 50QMM	9016220000	D.40
EINSATZPAAR ISO 70QMM	9016230000	D.40
EINSTELLBLOCK CST	9005800000	C.14
EPG 45	1500830000	D.35
EPG 45 120V	1508780000	D.35
ERAN MULTI-STRIPAX	9203100000	C.10
ERME 10² SPX 4	1119030000	C.4
ERME 110 PDT	9013960000	D.51
ERME 16² SPX 4	1119040000	C.4
ERME 630 PDT	9013990000	D.51
ERME 66 PDT	9013980000	D.51
ERME AM 16	9204260000	C.13
ERME AMF 6/10	9204250000	C.13
ERME KT 45 R	9204270000	B.7
ERME KT 55	9204280000	B.7
ERME KT 80	9204290000	B.8
ERME LSA PLUS SCHERE	9014050000	D.51
ERME LSA PLUS STANDARD	9014000000	D.51
ERME MULTI-STRIPAX	9203070000	C.10
ERME SPX UL	1471390000	C.5
ERME SPX UL XL	1512790000	C.5
ERME VKSW	1251270000	B.10
ERSATZMESSER AM 25/35	9001530000	C.12
ERSATZMESSER STRIPAX PL	9050340000	D.6
ERSATZMESSERSATZ TT864	9008130000	D.29
ERSATZMESSERSATZ TT864	9008130000	D.29
ES APG/HPG55 AEH 10	1502280000	D.43
ES APG/HPG55 AEH 120	1502380000	D.43
ES APG/HPG55 AEH 16	1502290000	D.43
ES APG/HPG55 AEH 25	1502300000	D.43
ES APG/HPG55 AEH 50	1502330000	D.43
ES APG/HPG55 AEH 6	1502270000	D.43
ES APG/HPG55 AEH 70	1502340000	D.43
ES APG/HPG55 AEH 95	1502370000	D.43
ES APG/HPG55 AEH35	1502320000	D.43
ES APG/HPG55 DIN 10	1501640000	D.43
ES APG/HPG55 DIN 120	1501730000	D.43
ES APG/HPG55 DIN 16	1501650000	D.43
ES APG/HPG55 DIN 25	1501670000	D.43
ES APG/HPG55 DIN 35	1501680000	D.43
ES APG/HPG55 DIN 50	1501690000	D.43
ES APG/HPG55 DIN 6	1501630000	D.43
ES APG/HPG55 DIN 70	1501700000	D.43
ES APG/HPG55 DIN 95	1501720000	D.43
ES APG/HPG55 HEX 10/70	1501540000	D.43
ES APG/HPG55 HEX 120	1501590000	D.43
ES APG/HPG55 HEX 150	1501600000	D.43
ES APG/HPG55 HEX 16/35	1501550000	D.43
ES APG/HPG55 HEX 185	1501620000	D.43
ES APG/HPG55 HEX 25/50	1501570000	D.43
ES APG/HPG55 HEX 6	1501530000	D.43
ES APG/HPG55 HEX 95	1501580000	D.43
ES APG/HPG55 ISO 10	1501740000	D.43
ES APG/HPG55 ISO 16	1501750000	D.43
ES APG/HPG55 ISO 25	1501770000	D.43
ES APG/HPG55 ISO 35	1501780000	D.43
ES APG/HPG55 ISO 50	1501790000	D.43
ES APG/HPG55 ISO 70	1502250000	D.43
ES APG/HPG55 WM 120	1501480000	D.43
ES APG/HPG55 WM 150	1501490000	D.43
ES APG/HPG55 WM 16/35	1501440000	D.43
ES APG/HPG55 WM 185	1501500000	D.43

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ES APG/HPG55 WM 240	1501520000	D.43
ES APG/HPG55 WM 25/50	1501450000	D.43
ES APG/HPG55 WM 6	1501420000	D.43
ES APG/HPG55 WM 95	1501470000	D.43
ES APG/HPG55 WM10/70	1501430000	D.43
ES APG/HPG80 AEH 10	1502000000	D.47
ES APG/HPG80 AEH 120	1502090000	D.47
ES APG/HPG80 AEH 150	1502100000	D.47
ES APG/HPG80 AEH 16	1502020000	D.47
ES APG/HPG80 AEH 185	1502120000	D.47
ES APG/HPG80 AEH 240	1502130000	D.47
ES APG/HPG80 AEH 25	1502030000	D.47
ES APG/HPG80 AEH 50	1502050000	D.47
ES APG/HPG80 AEH 70	1502070000	D.47
ES APG/HPG80 AEH 95	1502080000	D.47
ES APG/HPG80 AEH35	1502040000	D.47
ES APG/HPG80 DIN 10	1502830000	D.46
ES APG/HPG80 DIN 120	1502790000	D.46
ES APG/HPG80 DIN 150	1502800000	D.46
ES APG/HPG80 DIN 16	1502840000	D.46
ES APG/HPG80 DIN 185	1501800000	D.46
ES APG/HPG80 DIN 240	1501820000	D.46
ES APG/HPG80 DIN 25	1502850000	D.46
ES APG/HPG80 DIN 35	1502870000	D.46
ES APG/HPG80 DIN 50	1502880000	D.46
ES APG/HPG80 DIN 6	1502820000	D.46
ES APG/HPG80 DIN 70	1502890000	D.46
ES APG/HPG80 DIN 95	1502900000	D.46
ES APG/HPG80 HEX 10	1502620000	D.46
ES APG/HPG80 HEX 120	1502700000	D.46
ES APG/HPG80 HEX 150	1502720000	D.46
ES APG/HPG80 HEX 16	1502630000	D.46
ES APG/HPG80 HEX 185	1502730000	D.46
ES APG/HPG80 HEX 240	1502740000	D.46
ES APG/HPG80 HEX 25	1502640000	D.46
ES APG/HPG80 HEX 300	1502750000	D.46
ES APG/HPG80 HEX 300AL	1502780000	D.46
ES APG/HPG80 HEX 35	1502650000	D.46
ES APG/HPG80 HEX 50	1502670000	D.46
ES APG/HPG80 HEX 6	1502600000	D.46
ES APG/HPG80 HEX 70	1502680000	D.46
ES APG/HPG80 HEX 95	1502690000	D.46
ES APG/HPG80 ISO 10	1501830000	D.46
ES APG/HPG80 ISO 16	1501840000	D.46
ES APG/HPG80 RD 10	1501850000	D.47
ES APG/HPG80 RD 120/150	1501940000	D.47
ES APG/HPG80 RD 150/185	1501970000	D.47
ES APG/HPG80 RD 16	1501870000	D.47
ES APG/HPG80 RD 185/240	1501980000	D.47
ES APG/HPG80 RD 240/300	1501990000	D.47
ES APG/HPG80 RD 25/35	1501880000	D.47
ES APG/HPG80 RD 35/50	1501890000	D.47
ES APG/HPG80 RD 50/70	1501900000	D.47
ES APG/HPG80 RD 70/95	1501920000	D.47
ES APG/HPG80 RD 95/120	1501930000	D.47
ES APG/HPG80 WM 120	1502540000	D.46
ES APG/HPG80 WM 150	1502550000	D.46
ES APG/HPG80 WM 16	1502470000	D.46
ES APG/HPG80 WM 185	1502570000	D.46
ES APG/HPG80 WM 240	1502580000	D.46
ES APG/HPG80 WM 25	1502480000	D.46
ES APG/HPG80 WM 300	1502590000	D.46
ES APG/HPG80 WM 35	1502490000	D.46
ES APG/HPG80 WM 50	1502500000	D.46
ES APG/HPG80 WM 6	1502430000	D.46
ES APG/HPG80 WM 70	1502520000	D.46
ES APG/HPG80 WM 95	1502530000	D.46
ES APG/HPG80 WM10	1502440000	D.46
ES EPG 45 HEX 150	1994540000	D.37
ES EPG 45 WM 150	1994550000	D.37
ES MTR110 AEH 10	1501040000	D.37
ES MTR110 AEH 16	1501050000	D.37
ES MTR110 AEH 25	1501070000	D.37
ES MTR110 AEH 35	1501170000	D.37
ES MTR110 AEH 50	1501180000	D.37
ES MTR110 AEH 6	1501030000	D.37
ES MTR110 DIN 10	1501320000	D.37
ES MTR110 DIN 16	1501330000	D.37
ES MTR110 DIN 25	1501340000	D.37
ES MTR110 DIN 35	1501350000	D.37
ES MTR110 DIN 50	1501370000	D.37
ES MTR110 DIN 6	1501290000	D.37
ES MTR110 DIN 70	1501380000	D.37
ES MTR110 HEX 10/70	1500940000	D.37
ES MTR110 HEX 120	1500990000	D.37
ES MTR110 HEX 16/35	1500950000	D.37
ES MTR110 HEX 25/50	1500970000	D.37
ES MTR110 HEX 6	1500930000	D.37
ES MTR110 HEX 95	1500980000	D.37
ES MTR110 ISO 10	1501000000	D.37
ES MTR110 ISO 16	1501020000	D.37
ES MTR110 RUND 10	1501190000	D.38
ES MTR110 RUND 120/150	1501280000	D.38
ES MTR110 RUND 16	1501200000	D.38
ES MTR110 RUND 25/35	1501220000	D.38
ES MTR110 RUND 35/50	1501230000	D.38
ES MTR110 RUND 50/70	1501240000	D.38
ES MTR110 RUND 70/95	1501250000	D.38
ES MTR110 RUND 95/120	1501270000	D.38

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ES MTR110 WM 10/70	1500870000	D.37
ES MTR110 WM 120	1500900000	D.37
ES MTR110 WM 16/35	1500920000	D.37
ES MTR110 WM 25/50	1500880000	D.37
ES MTR110 WM 6	1500850000	D.37
ES MTR110 WM 95	1500890000	D.37
ES MTR35 AEH 10	1500770000	D.34
ES MTR35 AEH 16	1500780000	D.34
ES MTR35 AEH 25	1500790000	D.34
ES MTR35 AEH 35	1500800000	D.34
ES MTR35 AEH 50	1500820000	D.34
ES MTR35 AEH 6	1500750000	D.34
ES MTR35 DIN 10	1500670000	D.34
ES MTR35 DIN 16	1500680000	D.34
ES MTR35 DIN 25	1500690000	D.34
ES MTR35 DIN 35	1500700000	D.34
ES MTR35 DIN 6	1500650000	D.34
ES MTR35 HEX 10	1500590000	D.34
ES MTR35 HEX 16	1500600000	D.34
ES MTR35 HEX 25	1500620000	D.34
ES MTR35 HEX 35	1500630000	D.34
ES MTR35 HEX 50	1500640000	D.34
ES MTR35 HEX 6	1500580000	D.34
ES MTR35 ISO 10	1500720000	D.34
ES MTR35 ISO 16	1500730000	D.34
ES MTR35 ISO 25	1500740000	D.34
ES MTR35 WM 10	1500500000	D.34
ES MTR35 WM 16	1500520000	D.34
ES MTR35 WM 25	1500530000	D.34
ES MTR35 WM 35	1500540000	D.34
ES MTR35 WM 50	1500550000	D.34
ES MTR35 WM 6	1500490000	D.34

F

FLECAFIX 11/24	9015900000	F.16
FLECAFIX 24/36	9015980000	F.16
FRZ S 160	9046370000	E.5
FRZ S 200	9046380000	E.5
FRZ SG 160	9046390000	E.5
FRZ SG 200	9046400000	E.5
FSKI/0,5-1,0/288	1491790000	K.32
FSKI/0,5-1,0/488	1491810000	K.32
FSKI/0,5-1,0/638	1491820000	K.32
FSKI/1,5-2,5/488	1491850000	K.32
FSKI/1,5-2,5/638	1491830000	K.32
FSKI/4,0-6,0/638	1491840000	K.32
FZ 160	9046350000	E.6
FZE ESD 130	9204760000	E.8

G

GESENK 10+70QMM	9022350000	D.40
GESENK 120QMM	9022390000	D.40
GESENK 150QMM	9022400000	D.40
GESENK 16+35QMM	9022360000	D.40
GESENK 25+50QMM	9022370000	D.40
GESENK 95QMM	9022380000	D.40

H

H 0,5/16 S OR	9202900000	J.14
H 10,0/22 S EB	9203620000	J.14
H 4,0/20 DS GR	9203630000	J.14
H0,14/10 GR SV	9005180000	J.4
H0,14/10T BR SV	9028250000	J.8
H0,14/12 GR SV	9028240000	J.4
H0,25/10 HBL	9025740000	J.4
H0,25/10 HBL SV	9026050000	J.4
H0,25/10T GE	9021010000	J.8
H0,25/10T GE SV	9021210000	J.8
H0,25/12 HBL	9025760000	J.4
H0,25/12 HBL SV	9025780000	J.4
H0,25/12T GE	9021020000	J.8
H0,25/12T GE SV	9021220000	J.8
H0,25/5	9018910000	J.15
H0,34/10 TK	9025750000	J.4
H0,34/10 TK SV	9026030000	J.4
H0,34/11 S TK	9204090000	J.14
H0,34/12 TK	9025770000	J.4
H0,34/12 TK BD GSP	9004390000	J.5
H0,34/12 TK SV	9025790000	J.4
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KSN/-35	1492810000	K.24
KSN/-50	1492820000	K.24
KSN/-6,0	1492770000	K.24
KSN/-70	1492830000	K.24
KSN/-95	1492840000	K.24
KT 12	9002660000	B.4
KT 14	1157820000	B.5
KT 22	1157830000	B.5
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KTF 36	9002190000	B.6
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KWN-M10/-10 90	1497050000	K.12
KWN-M10/-120 45	1496400000	K.14
KWN-M10/-120 90	1494450000	K.13
KWN-M10/-150 45	1496440000	K.14
KWN-M10/150 90	1494500000	K.13
KWN-M10/-16 45	1496890000	K.14
KWN-M10/-16 90	1497110000	K.12
KWN-M10/-185 45	1495340000	K.14
KWN-M10/-185 90	1494540000	K.13
KWN-M10/-240 90	1494590000	K.13
KWN-M10/-25 45	1496200000	K.14
KWN-M10/-25 90	1495880000	K.12
KWN-M10/-35 45	1496240000	K.14
KWN-M10/-35 90	1495930000	K.12
KWN-M10/-50 45	1496290000	K.14
KWN-M10/-50 90	1495980000	K.13
KWN-M10/-6 90	1496150000	K.12
KWN-M10/-70 45	1496320000	K.14
KWN-M10/-70 90	1496030000	K.13
KWN-M10/-95 45	1496350000	K.14
KWN-M10/-95 90	1496090000	K.13
KWN-M12/-10 90	1497070000	K.12
KWN-M12/-120 45	1496410000	K.14
KWN-M12/-120 90	1494470000	K.13
KWN-M12/-150 90	1494510000	K.13
KWN-M12/-16 90	1497120000	K.12
KWN-M12/-185 45	1495350000	K.14
KWN-M12/-185 90	1494550000	K.13
KWN-M12/-240 45	1495400000	K.14
KWN-M12/-240 90	1494610000	K.13
KWN-M12/-25 45	1496210000	K.14
KWN-M12/-25 90	1495890000	K.12
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KWN-M12/-35 45	1496250000	K.14
KWN-M12/-35 90	1495940000	K.12
KWN-M12/-50 45	1496300000	K.14
KWN-M12/-50 90	1495990000	K.13
KWN-M12/-6 90	1496170000	K.12
KWN-M12/-70 45	1496330000	K.14
KWN-M12/-70 90	1496040000	K.13
KWN-M12/-95 45	1496370000	K.14
KWN-M12/-95 90	1496100000	K.13
KWN-M14/-25 90	1495900000	K.12
KWN-M14/-35 90	1494640000	K.12
KWN-M14/50 90	1494650000	K.13
KWN-M14/-70 90	1494660000	K.13
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KWN-M16/-185 90	1494570000	K.13
KWN-M16/-240 45	1495410000	K.14
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KWN-M20/-185 90	1494580000	K.13
KWN-M20/-240 45	1495420000	K.14
KWN-M20/-240 90	1494630000	K.13
KWN-M20/-300 90	1497320000	K.13
KWN-M20/-50 90	1494710000	K.13
KWN-M20/-70 90	1496070000	K.13
KWN-M3/-0,75 90	1495180000	K.12
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KWN-M5/-16 45	1496850000	K.14
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KWN-M6/-50 45	1496270000	K.14
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KWN-M6/-6 90	1496130000	K.12
KWN-M6/-70 90	1496010000	K.13
KWN-M8/-10 45	1496830000	K.14
KWN-M8/-10 90	1497040000	K.12
KWN-M8/-120 45	1496390000	K.14
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KWN-M8/-150 45	1496430000	K.14
KWN-M8/-150 90	1494490000	K.13
KWN-M8/-16 45	1496880000	K.14
KWN-M8/-16 90	1497100000	K.12
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M-D-STRIPAX AWG 24	9003720000	C.6
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SE HD 160	9046320000	E.4
SE HD 180	9046330000	E.4
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Stripper round	9918040000	C.16
STRIPPER ROUND TOP	9918050000	C.16
SUPER CUT	9205150000	E.9
SVSE ESD 130	9205140000	E.8
SWIFTY	9006020000	F.17
SYSTEM 11+1	9009750000	F.26
SZE ESD 130	9204770000	E.8

T

TB 110	9201330000	G.18
TB 130	9201390000	G.18
TEMPHASER	9427300000	G.13
TH-S 9-40	9008880000	F.25
TOOL SET IE-POF	1208930000	H.11
TOP CASE	1345330000	H.5
TOP CASE	1345330000	H.5
TOP CASE INSTA	1345310000	H.5
TOP CASE PREMIUM	1345320000	H.5
TRAGEKASTEN MTR 110	9018040000	D.36
TRAGEKASTEN MTR 300	9021420000	D.39
TRAGEKASTEN MTR 35	9017840000	D.33
TRAGETASCHE MTR 160	9017270000	D.39
TSD 35	1318510000	B.12
TSLD 5	9918700000	B.11
TSLD C	1270310000	B.11
TT 1064 RS	9008190000	D.29
TT 1064 RS	9008190000	D.5
TT 8 RS MP 8	9202800000	D.28
TT 8 RS MP 8	9202800000	D.5
TT 864 RS	9008120000	D.29
TT 864 RS	9008120000	D.5

U

UBH 1/4 E6,3	9009520000	F.9
UBH SWH 1/4 EC 6.3	9205680000	F.9

V

VEI/1,5-2,5	1491580000	K.30
VEI/-10	1491610000	K.30
VEI/4-6	1491590000	K.30
VFSKHI/0,5-1,0/288	1491650000	K.31
VFSKHI/0,5-1,0/485	1491660000	K.31
VFSKHI/0,5-1,0/488	1491670000	K.31
VFSKHI/0,5-1,0/638	1491680000	K.31
VFSKHI/05-1,0/285	1491640000	K.31
VFSKHI/1,5-2,5/285	1491730000	K.31
VFSKHI/1,5-2,5/288	1491740000	K.31
VFSKHI/1,5-2,5/485	1491690000	K.31
VFSKHI/1,5-2,5/488	1491710000	K.31
VFSKHI/1,5-2,5/638	1491720000	K.31
VFSKHI/4,0-6,0/638	1491750000	K.31
VFSKHI/4,0-6,0/9512	1491760000	K.31
VFSKHV/0,5-1,0/285	1491860000	K.31
VFSKHV/0,5-1,0/288	1491870000	K.31
VFSKHV/0,5-1,0/485	1491880000	K.31
VFSKHV/0,5-1,0/488	1491890000	K.31
VFSKHV/0,5-1,0/638	1491910000	K.31
VFSKHV/1,5-2,5/485	1491920000	K.31
VFSKHV/1,5-2,5/488	1491930000	K.31
VFSKHV/1,5-2,5/638	1491940000	K.31
VFSKHV/4,0-6,0/638	1491950000	K.31
VKSW	1137530000	B.10
Volt-Check 3.1	9918950000	G.11
VPLI/0,1-0,5	1491450000	K.30
VPLI/0,5-1,0	1491460000	K.30
VPLI/1,5-2,5	1491470000	K.30
VPLI/4,0-6,0	1491480000	K.30
VPLN/0,1-0,5	1492850000	K.25
VPLN/0,5-1,0	1492860000	K.25
VPLN/1,5-2,5	1492870000	K.25
VPLN/-10	1492890000	K.25
VPLN/-120	1492960000	K.25
VPLN/-150	1492970000	K.25
VPLN/-16	1492900000	K.25
VPLN/-25	1492910000	K.25
VPLN/-35	1492920000	K.25
VPLN/4-6,0	1492880000	K.25
VPLN/-50	1492930000	K.25
VPLN/-70	1492940000	K.25
VPLN/-95	1492950000	K.25
VPN/-10	1498620000	K.19
VPN/-120	1498690000	K.19
VPN/-150	1498710000	K.19
VPN/-16	1498630000	K.19
VPN/-185	1498720000	K.19
VPN/-240	1498730000	K.19
VPN/-25	1498640000	K.19
VPN/-300	1498740000	K.19
VPN/-35	1498650000	K.19
VPN/-50	1498660000	K.19
VPN/-6	1498610000	K.19
VPN/-70	1498670000	K.19
VPN/-95	1498680000	K.19
VRSHV/0,5-1,0	1491980000	K.34
VRSHVI/0,5-1,0	1492020000	K.34
VRSHVI/1,5-2,5	1491990000	K.34
VRSHVI/1,5-2,5	1492030000	K.34
VRSHVI/4,0-6,0	1492010000	K.34
VRSTI/0,5-1,0	1492040000	K.33
VRSTI/0,5-1,0	1492070000	K.34
VRSTI/1,5-2,5	1492050000	K.33
VRSTI/1,5-2,5	1492080000	K.34
VRSTI/4,0-6,0	1492060000	K.33
VSRI/0,1-0,5	1491490000	K.29
VSRI/0,5-1,0	1491510000	K.29
VSRI/1,5-2,5	1491520000	K.29
VSRI/4,0-6,0	1491530000	K.29
VSTI/0,1-0,5	1491540000	K.29
VSTI/0,5-1,0	1491550000	K.29
VSTI/1,5-2,5	1491560000	K.29
VSTI/4,0-2,5	1491570000	K.29
VSTN/0,1-0,5	1492980000	K.25
VSTN/0,5-10	1492990000	K.25
VSTN/1,5-2,5	1493010000	K.25
VSTN/10	1493030000	K.25
VSTN/-10	1497130000	K.15
VSTN/120	1493110000	K.25
VSTN/-120	1494780000	K.15
VSTN/150	1493120000	K.25
VSTN/-150	1497380000	K.15
VSTN/16	1493040000	K.25
VSTN/-16	1497140000	K.15
VSTN/-185	1497390000	K.15
VSTN/-2,5	1497350000	K.15
VSTN/-240	1497400000	K.15
VSTN/25	1493050000	K.25

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VSTN/-25	1494730000	K.15
VSTN/35	1493060000	K.25
VSTN/-35	1494740000	K.15
VSTN/-4	1497370000	K.15
VSTN/4-6	1493020000	K.25
VSTN/50	1493070000	K.25
VSTN/-50	1494750000	K.15
VSTN/-6	1494720000	K.15
VSTN/70	1493080000	K.25
VSTN/-70	1494760000	K.15
VSTN/95	1493090000	K.25
VSTN/-95	1494770000	K.15
VSTN-M0,5/-0,75	1497330000	K.15
VSTN-M1/-1,5	1497340000	K.15
VSTVI/0,5-1,0	1491770000	K.32
VSTVI/1,5-2,5	1491780000	K.32

W

WAW 1 NEUTRAL	9004500000	B.9
WAW 2	9004510000	B.9
WFSKHV/0,5-1,05	1491960000	K.33
WFSKHV/1,5-2,5	1491970000	K.33
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WK IK PH0	9918460000	F.12
WK IK PH1	9918470000	F.12
WK IK PH2	9918480000	F.12
WK IK PZ0	9918490000	F.12
WK IK PZ1	9918500000	F.12
WK IK PZ2	9918510000	F.12
WK IK SL/PH1	1318130000	F.12
WK IK SL/PH2	1318140000	F.12
WK K PH0	9918570000	F.11
WK K PH1	9918580000	F.11
WK K PH2	9918590000	F.11
WK K PZ0	9918600000	F.11
WK K PZ1	9918610000	F.11
WK K PZ2	9918620000	F.11
WK S 0,4x2,5	9918520000	F.11
WK S 0,5x3,0	9918530000	F.11
WK S 0,6x3,5	9918540000	F.11
WK S 0,8x4,0	9918550000	F.11
WK S 1,0x5,5	9918560000	F.11
WK SI 0,4x2,5	9918410000	F.12
WK SI 0,5x3,0	9918420000	F.12
WK SI 0,6x3,5	9918430000	F.12
WK SI 0,8x4,0	9918440000	F.12
WK SI 1,0x5,5	9918450000	F.12
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WSM TOOL AUTOMATIK	1774470000	D.55
WSM TOOL MANUELL	1774480000	D.56

Z

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ZUB MULTI 1037	9205460000	G.16
ZUB MULTIMETER	9205270000	G.13
ZUB MULTIMETER	9205270000	G.15
ZUB MULTIMETER	9205270000	G.16
ZUB SLICER NO16-35	9201430000	C.17
ZUB SLICER NO16-35	9201430000	C.17
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ZUB TEMPHASER	9205260000	G.16

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0124400000	H25,0/15	J.15
0124700000	H6,0/15	J.15
0124800000	H10,0/15	J.15
0180000000		
0186100000	H2,5/12	J.15
0186500000	H1,5/10	J.15
0190000000		
0191900000	H6,0/12	J.15
0230000000		
0235000000	IS 8 DIN 6911	F.28
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0244100000	H4,0/12	J.15
0280000000		
0282600000	H0,5/6	J.15
0282700000	H0,75/6	J.15
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0282900000	H10,0/12	J.15
0310000000		
0317000000	H25,0/30 BR	J.4
0317100000	H25,0/36 BR	J.4
0317200000	H35,0/30 BE	J.4
0317300000	H35,0/39 BE	J.4
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0368900000	H35,0/18	J.15
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0372600000	H1,0/6	J.15
0372700000	H1,5/7	J.15
0373000000	H2,5/7	J.15
0373100000	H4,0/9	J.15
0375200000	H16,0/18	J.15
0375300000	H25,0/18	J.15
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0462900000	H0,75/14 W	J.4
0463000000	H1,0/14 GE	J.4
0463100000	H1,5/14 R	J.4
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0485100000	IS 4 DIN 6911	F.28
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0492500000	H16,0/12	J.15
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0533500000	H6,0/20 SW	J.4
0534200000	H10,0/22 EB	J.4
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0565600000	H1,5/24 R	J.4
0565700000	H6,0/26 SW	J.4
0565800000	H10,0/28 EB	J.4
0565900000	H16,0/22 GN	J.4
0566000000	H16,0/28 GN	J.4
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1044100000	HUELSE REMOVAL TOOL HD	D.53
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1076990000	H0.5/18D W	J.6
1077010000	CTF 63 ZERT	D.16
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1116710000	PS_ZQV_SET	G.16
1119030000	ERME 10² SPX 4	C.4
1119040000	ERME 16² SPX 4	C.4
1120000000		
1121740000	PS_ZQV	G.16
1128540000	SDI Set S2.5-5.5/PZ1/2	F.22
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1135240000	IE-KOK-V14	B.15
1137530000	VKSW	B.10
1139070000	H0,34/14 ZH TK	J.10
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1157820000	KT 14	B.5
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1190490000	multi-stripax PV	C.10
1200000000		
1204280000	AIE MULTI-STRIPAX PV	C.11
1208870000	HTX-IE-POF	D.23
1208880000	multi-stripax IE-POF	C.10
1208910000	SCISSORS KEVLAR	B.17
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1212770000	AIE MULTI-STRIPAX POF	C.11
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1222870000	CTF PV WM4	D.24
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1233330000	HBT 2,5 - 4,6 BL	K.35
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1270320000	CTX CM 3.6 ZERT	D.20
1274660000	SDIS SL 0.6X3.5X100	F.19
1274670000	SDIS SL 0.8X4.0X100	F.19
1274680000	SDIS SL 1.0X5.5X125	F.19
1274690000	SDIS SL 1.2X6.5X150	F.19
1274710000	SDIK PH1 SL	F.19
1274720000	SDIK PH2 SL	F.19
1274730000	SDIK PZ1 SL	F.19
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1274750000	SDI SL S3.5-6.5/PH1/2	F.19
1279330000	COMBI CHECK PRO	G.8
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1292870000	CTN 25 D5 ZERT	D.19
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1318330000	SDI SL/PH 1	F.21
1318340000	SDI SL/PH 2	F.21
1318350000	BIT E6,3 T15	F.8
1318370000	BIT E6,3 T20	F.8
1318380000	BIT E6,3 T40	F.8
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1323880000	SD TO 0,6X3,0	F.24
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1332420000	PRSPSU	G.6
1332420000	PRSPSU	G.6
1332420000	PRSPSU	G.7
1332420000	PRSPSU	G.8
1332420000	PRSPSU	G.8
1332420000	PRSPSU	G.9
1333100000	H2,5/14S BL	J.14
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1345310000	TOP CASE INSTA	H.5
1345320000	TOP CASE PREMIUM	H.5
1345330000	TOP CASE	H.5
1345330000	TOP CASE	H.5
1440000000		
1444050000	PZ 6 ROTO L	D.9
1445070000	PZ 10 HEX	D.10
1445080000	PZ 10 SQR	D.10
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1468880000	STRIPAX ULTIMATE	C.5
1470000000		
1471390000	ERME SPX UL	C.5
1477030000	CRIMPFIX RS	I.9
1479110000	AKKU DMS PRO	F.6
1479120000	DMS PRO	F.6
1490000000		
1491260000	KQIG-M6/-2,5	K.28
1491270000	KQIG-M4/-6	K.28
1491280000	KQIG-M5/-6	K.28
1491290000	KQIG-M6/-6	K.28
1491310000	KQIG-M8/-6	K.28
1491320000	KQIG-M10/-6	K.28
1491330000	KQIG-M5/-10	K.28
1491340000	KQIG-M6/-10	K.28
1491350000	KQIG-M6/-16	K.28
1491360000	KQIG-M8/-16	K.28
1491370000	KSI/0,1-0,5	K.29
1491410000	KSI/1,5-2,5	K.29
1491420000	KSI/4,0-6,0	K.29
1491430000	KSI/-10	K.29
1491430000	KSI/-10	K.29
1491440000	KSI/-16	K.29
1491440000	KSI/-16	K.29
1491450000	VPLI/0,1-0,5	K.30
1491460000	VPLI/0,5-1,0	K.30
1491470000	VPLI/1,5-2,5	K.30
1491480000	VPLI/4,0-6,0	K.30
1491490000	VSRI/0,1-0,5	K.29
1491510000	VSRI/0,5-1,0	K.29
1491520000	VSRI/1,5-2,5	K.29
1491530000	VSRI/4,0-6,0	K.29
1491540000	VSTI/0,1-0,5	K.29
1491550000	VSTI/0,5-1,0	K.29
1491560000	VSTI/1,5-2,5	K.29
1491570000	VSTI/4,0-2,5	K.29
1491580000	VEI/1,5-2,5	K.30
1491590000	VEI/4-6	K.30
1491610000	VEI/-10	K.30
1491640000	VFSKHI/05-1,0/285	K.31
1491650000	VFSKHI/0,5-1,0/288	K.31
1491660000	VFSKHI/0,5-1,0/485	K.31
1491670000	VFSKHI/0,5-1,0/488	K.31
1491680000	VFSKHI/0,5-1,0/638	K.31
1491690000	VFSKHI/1,5-2,5/485	K.31
1491710000	VFSKHI/1,5-2,5/488	K.31
1491720000	VFSKHI/1,5-2,5/638	K.31
1491730000	VFSKHI/1,5-2,5/285	K.31
1491740000	VFSKHI/1,5-2,5/288	K.31

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1491780000	VSTVI/1,5-2,5	K.32
1491790000	FSKI/0,5-1,0/288	K.32
1491810000	FSKI/0,5-1,0/488	K.32
1491820000	FSKI/0,5-1,0/638	K.32
1491830000	FSKI/1,5-2,5/638	K.32
1491840000	FSKI/4,0-6,0/638	K.32
1491850000	FSKI/1,5-2,5/488	K.32
1491860000	VFSKHV/0,5-1,0/285	K.31
1491870000	VFSKHV/0,5-1,0/288	K.31
1491880000	VFSKHV/0,5-1,0/485	K.31
1491890000	VFSKHV/0,5-1,0/488	K.31
1491910000	VFSKHV/0,5-1,0/638	K.31
1491920000	VFSKHV/1,5-2,5/485	K.31
1491930000	VFSKHV/1,5-2,5/488	K.31
1491940000	VFSKHV/1,5-2,5/638	K.31
1491950000	VFSKHV/4,0-6,0/638	K.31
1491960000	WFSKHV/0,5-1,05	K.33
1491970000	WFSKHV/1,5-2,5	K.33
1491980000	VRSHV/0,5-1,0	K.34
1491990000	VRSHVI/1,5-2,5	K.34
1492010000	VRSHVI/4,0-6,0	K.34
1492020000	VRSHVI/0,5-1,0	K.34
1492030000	VRSHVI/1,5-2,5	K.34
1492040000	VRSTI/0,5-1,0	K.33
1492050000	VRSTI/1,5-2,5	K.33
1492060000	VRSTI/4,0-6,0	K.33
1492070000	VRSTI/0,5-1,0	K.34
1492080000	VRSTI/1,5-2,5	K.34
1492090000	KQI-M2/-0,5	K.27
1492100000	KQI-M3/-0,5	K.27
1492110000	KQI-M4/-0,5	K.27
1492120000	KQI-M5/-0,5	K.27
1492130000	KQI-M10/-1	K.27
1492140000	KQI-M2/-1	K.27
1492150000	KQI-M2,5/-1	K.27
1492170000	KQI-M3/-1	K.27
1492180000	KQI-M3,5/-1	K.27
1492190000	KQI-M4/S/-1	K.27
1492200000	KQI-M4/-1	K.27
1492210000	KQI-M5/S/-1	K.27
1492220000	KQI-M5/-1	K.27
1492230000	KQI-M6/-1	K.27
1492240000	KQI-M8/-1	K.27
1492250000	KQI-M3/-2,5	K.27
1492270000	KQI-M3,5/-2,5	K.27
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1492330000	KQI-M8/-2,5	K.27
1492340000	KQI-M10/-2,5	K.27
1492350000	KQI-M12/-2,5	K.27
1492370000	KQI-M4/-6	K.27
1492380000	KQI-M5/-6	K.27
1492390000	KQI-M6/-6	K.27
1492400000	KQI-M8/-6	K.27
1492410000	KQI-M10/-6	K.27
1492420000	KQI-M12/-6	K.27
1492430000	KQI-M5/-10	K.27
1492440000	KQI-M6/-10	K.27
1492450000	KQI-M8/-10	K.27
1492470000	KQI-M10/-10	K.27
1492480000	KQI-M5/-16	K.27
1492490000	KQI-M6/-16	K.27
1492500000	KQI-M8/-16	K.27
1492510000	KQI-M10/-16	K.27
1492520000	KQIG-M3/-1	K.28
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1492540000	KQIG-M4/S/-1	K.28
1492550000	KQIG-M4/-1	K.28
1492580000	KQIG-M5/-1	K.28
1492590000	KQIG-M6/-1	K.28
1492600000	KQIG-M3/-2,5	K.28
1492610000	KQIG-M3,5/-2,5	K.28
1492620000	KQIG-M4/S/-2,5	K.28
1492630000	KQIG-M4/-2,5	K.28
1492640000	KQIG-M5/-2,5	K.28
1492650000	KQNG-M5/-6	K.23
1492660000	KQNG-M6/-6	K.23
1492670000	KQNG-M8/-6	K.23
1492680000	KQNG-M5/-10	K.23
1492690000	KQNG-M6/-10	K.23
1492700000	KQNG-M6/-16	K.23
1492710000	KQNG-M8/-16	K.23
1492720000	KSN/0,1-0,5	K.24
1492730000	KSN/0,5-1,0	K.24
1492740000	KSN/1,5-2,5	K.24
1492750000	KSN/-2,5	K.24
1492770000	KSN/-6,0	K.24
1492780000	KSN/-10	K.24
1492790000	KSN/-16	K.24
1492800000	KSN/-25	K.24
1492810000	KSN/-35	K.24
1492820000	KSN/-50	K.24
1492830000	KSN/-70	K.24

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1492840000	KSN/-95	K.24
1492850000	VPLN/0,1-0,5	K.25
1492860000	VPLN/0,5-1,0	K.25
1492870000	VPLN/1,5-2,5	K.25
1492880000	VPLN/4-6,0	K.25
1492890000	VPLN/-10	K.25
1492900000	VPLN/-16	K.25
1492910000	VPLN/-25	K.25
1492920000	VPLN/-35	K.25
1492930000	VPLN/-50	K.25
1492940000	VPLN/-70	K.25
1492950000	VPLN/-95	K.25
1492960000	VPLN/-120	K.25
1492970000	VPLN/-150	K.25
1492980000	VSTN/0,1-0,5	K.25
1492990000	VSTN/0,5-10	K.25
1493010000	VSTN/1,5-2,5	K.25
1493020000	VSTN/4-6	K.25
1493030000	VSTN/10	K.25
1493040000	VSTN/16	K.25
1493050000	VSTN/25	K.25
1493060000	VSTN/35	K.25
1493070000	VSTN/50	K.25
1493080000	VSTN/70	K.25
1493090000	VSTN/95	K.25
1493110000	VSTN/120	K.25
1493120000	VSTN/150	K.25
1493130000	KQN-M12/-35	K.22
1493140000	KQN-M16/-35	K.22
1493150000	KQN-M8/-50	K.22
1493160000	KQN-M10/-50	K.22
1493170000	KQN-M12/-50	K.22
1493180000	KQN-M16/-50	K.22
1493190000	KQN-M6/-70	K.22
1493210000	KQN-M8/-70	K.22
1493220000	KQN-M10/-70	K.22
1493230000	KQN-M12/-70	K.22
1493240000	KQN-M16/-70	K.22
1493250000	KQN-M20/-70	K.22
1493260000	KQN-M8/-95	K.22
1493270000	KQN-M10/-95	K.22
1493280000	KQN-M12/-95	K.22
1493290000	KQN-M16/-95	K.22
1493310000	KQN-M20/-95	K.22
1493320000	KQN-M8/-120	K.22
1493330000	KQN-M10/-120	K.22
1493340000	KQN-M12/-120	K.22
1493350000	KQN-M16/-120	K.22
1493360000	KQN-M20/-120	K.22
1493370000	KQN-M10/-150	K.22
1493380000	KQN-M12/-150	K.22
1493390000	KQN-M16/-150	K.22
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1493430000	KQN-M12/-185	K.22
1493440000	KQN-M16/-185	K.22
1493450000	KQN-M20/-185	K.22
1493460000	KQN-M10/-240	K.22
1493470000	KQN-M12/-240	K.22
1493480000	KQN-M16/-240	K.22
1493490000	KQN-M16/-25	K.22
1493510000	KQN-M6/-50	K.22
1493520000	KQN-M20/-35	K.22
1493530000	KQN-M20/-50	K.22
1493540000	KQNG-M3/-1	K.23
1493550000	KQNG-M3,5/-1	K.23
1493560000	KQNG-M4/S/-1	K.23
1493570000	KQNG-M4/-1	K.23
1493580000	KQNG-M5/-1	K.23
1493590000	KQNG-M6/-1	K.23
1493600000	KQNG-M3/-2,5	K.23
1493610000	KQNG-M3,5/-2,5	K.23
1493620000	KQNG-M4/S/-2,5	K.23
1493630000	KQNG-M4/-2,5	K.23
1493640000	KQNG-M5/-2,5	K.23
1493650000	KQNG-M6/-2,5	K.23
1493660000	KQNG-M4/-6	K.23
1493670000	KQN-M2/-0,5	K.21
1493680000	KQN-M3/-0,5	K.21
1493690000	KQN-M4/-0,5	K.21
1493700000	KQN-M5/-0,5	K.21
1493710000	KQN-M10/-1	K.21
1493720000	KQN-M2/-1	K.21
1493730000	KQN-M2,5/-1	K.21
1493740000	KQN-M3/-1	K.21
1493750000	KQN-M3,5/-1	K.21
1493760000	KQN-M4/S/-1	K.21
1493770000	KQN-M4/-1	K.21
1493780000	KQN-M5/S/-1	K.21
1493790000	KQN-M5/-1	K.21
1493800000	KQN-M6/-1	K.21
1493810000	KQN-M8/-1	K.21
1493820000	KQN-M3/-2,5	K.21
1493830000	KQN-M3,5/-2,5	K.21
1493840000	KQN-M4/S/-2,5	K.21
1493850000	KQN-M4/-2,5	K.21
1493870000	KQN-M5/S/-2,5	K.21
1493890000	KQN-M5/-2,5	K.21
1493900000	KQN-M6/-2,5	K.21

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1493910000	KQN-M8/-2,5	K.21
1493930000	KQN-M10/-2,5	K.21
1493940000	KQN-M12/-2,5	K.21
1493950000	KQN-M4/-6	K.21
1493960000	KQN-M5/-6	K.21
1493970000	KQN-M6/-6	K.21
1493980000	KQN-M8/-6	K.21
1493990000	KQN-M10/-6	K.21
1494000000	KQN-M12/-6	K.21
1494010000	KQN-M4/-10	K.22
1494020000	KQN-M5/-10	K.22
1494030000	KQN-M6/-10	K.22
1494040000	KQN-M8/-10	K.22
1494050000	KQN-M10/-10	K.22
1494060000	KQN-M12/-10	K.22
1494070000	KQN-M5/-16	K.22
1494080000	KQN-M6/-16	K.22
1494090000	KQN-M8/-16	K.22
1494100000	KQN-M10/-16	K.22
1494110000	KQN-M12/-16	K.22
1494120000	KQN-M5/-25	K.22
1494130000	KQN-M6/-25	K.22
1494140000	KQN-M8/-25	K.22
1494150000	KQN-M10/-25	K.22
1494160000	KQN-M12/-25	K.22
1494170000	KQN-M6/-35	K.22
1494180000	KQN-M8/-35	K.22
1494190000	KQN-M10/-35	K.22
1494340000	KRN-M10/-240 S	K.11
1494350000	KRN-M12/-240 S	K.11
1494370000	KRN-M16/-240 S	K.11
1494380000	KRN-M10/300 S	K.11
1494390000	KRN-M12/-300 S	K.11
1494400000	KRN-M16/-300 S	K.11
1494410000	KRN-M6/-120 S	K.11
1494420000	KRN-M8/-120 S	K.11
1494430000	KRN-M6/-95 S	K.11
1494440000	KRN-M6/-150 S	K.11
1494450000	KWN-M10/-120 90	K.13
1494470000	KWN-M12/-120 90	K.13
1494480000	KWN-M16/-120 90	K.13
1494490000	KWN-M8/-150 90	K.13
1494500000	KWN-M10/150 90	K.13
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1494530000	KWN-M20/-150 90	K.13
1494540000	KWN-M10/-185 90	K.13
1494550000	KWN-M12/-185 90	K.13
1494570000	KWN-M16/-185 90	K.13
1494580000	KWN-M20/-185 90	K.13
1494590000	KWN-M10/-240 90	K.13
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1494650000	KWN-M14/50 90	K.13
1494660000	KWN-M14/-70 90	K.13
1494670000	KWN-M14/-95 90	K.13
1494680000	KWN-M8/-120 90	K.13
1494690000	KWN-M16/-35 90	K.12
1494710000	KWN-M20/-50 90	K.13
1494720000	VSTN/-6	K.15
1494730000	VSTN/-25	K.15
1494740000	VSTN/-35	K.15
1494750000	VSTN/-50	K.15
1494760000	VSTN/-70	K.15
1494770000	VSTN/-95	K.15
1494780000	VSTN/-120	K.15
1494790000	KRN-M6/-35 S	K.11
1494810000	KRN-M8/-35 S	K.11
1494820000	KRN-M6/-50 S	K.11
1494830000	KRN-M8/-50 S	K.11
1494840000	KRN-M10/-50 S	K.11
1494850000	KRN-M6/-70 S	K.11
1494860000	KRN-M8/-70 S	K.11
1494870000	KRN-M10/-70 S	K.11
1494880000	KRN-M12/-70 S	K.11
1494890000	KRN-M8/-95 S	K.11
1494900000	KRN-M10/-95 S	K.11
1494910000	KRN-M12/-95 S	K.11
1494920000	KRN-M10/-120 S	K.11
1494930000	KRN-M12/-120 S	K.11
1494940000	KRN-M8/-150 S	K.11
1494950000	KRN-M10/-150 S	K.11
1494970000	KRN-M12/-150 S	K.11
1494980000	KRN-M10/-185 S	K.11
1494990000	KRN-M12/-185 S	K.11
1495000000	KRN-M16/-185 S	K.11
1495010000	KRN-M3/-0,75	K.9
1495020000	KRN-M4/-0,75	K.9
1495030000	KRN-M5/-0,75	K.9
1495040000	KRN-M3/-1,5	K.9
1495050000	KRN-M4/-1,5	K.9
1495070000	KRN-M5/-1,5	K.9
1495080000	KRN-M6/-1,5	K.9
1495090000	KRN-M4/-2,5	K.9
1495100000	KRN-M5/-2,5	K.9
1495110000	KRN-M6/-2,5	K.9
1495120000	KRN-M8/-2,5	K.9

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1495130000	KRN-M4/-4	K.9
1495140000	KRN-M5/-4	K.9
1495150000	KRN-M6/-4	K.9
1495170000	KRN-M8/-4	K.9
1495180000	KWN-M3/-0,75 90	K.12
1495190000	KWN-M4/-0,75 90	K.12
1495200000	KWN-M5/-0,75 90	K.12
1495210000	KWN-M3/-1,5 90	K.12
1495220000	KWN-M4/-1,5 90	K.12
1495230000	KWN-M5/-1,5 90	K.12
1495240000	KWN-M6/-1,5 90	K.12
1495250000	KWN-M4/-2,5 90	K.12
1495270000	KWN-M5/-2,5 90	K.12
1495280000	KWN-M6/-2,5 90	K.12
1495290000	KWN-M8/-2,5 90	K.12
1495300000	KWN-M4/-4 90	K.12
1495310000	KWN-M5/-4 90	K.12
1495320000	KWN-M6/-4 90	K.12
1495330000	KWN-M8/-4 90	K.12
1495340000	KWN-M10/-185 45	K.14
1495350000	KWN-M12/-185 45	K.14
1495370000	KWN-M16/-185 45	K.14
1495380000	KWN-M20/-185 45	K.14
1495400000	KWN-M12/-240 45	K.14
1495410000	KWN-M16/-240 45	K.14
1495420000	KWN-M20/-240 45	K.14
1495430000	KRN-M10/-185	K.10
1495440000	KRN-M12/-185	K.10
1495450000	KRN-M16/-185	K.10
1495470000	KRN-M20/-185	K.10
1495480000	KRN-M8/-240	K.10
1495490000	KRN-M10/-240	K.10
1495500000	KRN-M12/-240	K.10
1495510000	KRN-M16/-240	K.10
1495520000	KRN-M20/-240	K.10
1495530000	KRN-M10/-300	K.10
1495540000	KRN-M12/-300	K.10
1495550000	KRN-M16/-300	K.10
1495570000	KRN-M12/-70	K.10
1495580000	KRN-M16/-70	K.10
1495590000	KRN-M20/-70	K.10
1495600000	KRN-M8/-95	K.10
1495610000	KRN-M10/-95	K.10
1495620000	KRN-M12/-95	K.10
1495630000	KRN-M16/-95	K.10
1495640000	KRN-M20/-95	K.10
1495650000	KRN-M10/-120	K.10
1495670000	KRN-M12/-120	K.10
1495680000	KRN-M16/-120	K.10
1495690000	KRN-M20/-120	K.10
1495700000	KRN-M8/-150	K.10
1495710000	KRN-M10/-150	K.10
1495720000	KRN-M12/-150	K.10
1495730000	KRN-M16/-150	K.10
1495740000	KRN-M20/-150	K.10
1495750000	KRN-M14/-50	K.10
1495770000	KRN-M14/-70	K.10
1495780000	KRN-M14/-95	K.10
1495790000	KRN-M8/-120	K.10
1495800000	KRN-M14/-120	K.10
1495810000	KRN-M14/-150	K.10
1495820000	KRN-M6/-95	K.10
1495830000	KRN-M5/-25	K.9
1495840000	KRN-M20/-50	K.10
1495850000	KWN-M6/-25 90	K.12
1495870000	KWN-M8/-25 90	K.12
1495880000	KWN-M10/-25 90	K.12
1495890000	KWN-M12/-25 90	K.12
1495900000	KWN-M14/-25 90	K.12
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1495920000	KWN-M8/-35 90	K.12
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1495940000	KWN-M12/-35 90	K.12
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1496050000	KWN-M16/-70 90	K.13
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1496170000	KWN-M12/-6 90	K.12
1496180000	KWN-M6/-25 45	K.14
1496190000	KWN-M8/-25 45	K.14
1496200000	KWN-M10/-25 45	K.14
1496210000	KWN-M12/-25 45	K.14
1496220000	KWN-M6/-35 45	K.14
1496230000	KWN-M8/-35 45	K.14

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1496270000	KWN-M6/-50 45	K.14
1496280000	KWN-M8/-50 45	K.14
1496290000	KWN-M10/-50 45	K.14
1496300000	KWN-M12/-50 45	K.14
1496310000	KWN-M8/-70 45	K.14
1496320000	KWN-M10/-70 45	K.14
1496330000	KWN-M12/-70 45	K.14
1496340000	KWN-M8/-95 45	K.14
1496350000	KWN-M10/-95 45	K.14
1496370000	KWN-M12/-95 45	K.14
1496380000	KWN-M16/-95 45	K.14
1496390000	KWN-M8/-120 45	K.14
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1496420000	KWN-M16/-120 45	K.14
1496430000	KWN-M8/-150 45	K.14
1496440000	KWN-M10/-150 45	K.14
1496450000	KWN-M16/-150 45	K.14
1496470000	KWN-M16/-150	K.14
1496480000	KWN-M20/-150 45	K.14
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1496530000	KRN-M14/-25	K.9
1496540000	KRN-M6/-35	K.10
1496550000	KRN-M8/-35	K.10
1496570000	KRN-M10/-35	K.10
1496580000	KRN-M12/-35	K.10
1496590000	KRN-M6/-50	K.10
1496600000	KRN-M8/-50	K.10
1496610000	KRN-M10/-50	K.10
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1496630000	KRN-M16/-50	K.10
1496640000	KRN-M6/-70	K.10
1496650000	KRN-M8/-70	K.10
1496670000	KRN-M10/-70	K.10
1496810000	KWN-M5/-10 45	K.14
1496820000	KWN-M6/-10 45	K.14
1496830000	KWN-M8/-10 45	K.14
1496840000	KWN-M10/-10 45	K.14
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1496870000	KWN-M6/-16 45	K.14
1496880000	KWN-M8/-16 45	K.14
1496890000	KWN-M10/-16 45	K.14
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1496910000	KRN-M5/-10	K.9
1496920000	KRN-M6/-10	K.9
1496930000	KRN-M8/-10	K.9
1496940000	KRN-M10/-10	K.9
1496950000	KRN-M12/-10	K.9
1496970000	KRN-M5/-16	K.9
1496980000	KRN-M6/-16	K.9
1496990000	KRN-M8/-16	K.9
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1497010000	KRN-M12/-16	K.9
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1497030000	KWN-M6/-10 90	K.12
1497040000	KWN-M8/-10 90	K.12
1497050000	KWN-M10/-10 90	K.12
1497070000	KWN-M12/-10 90	K.12
1497080000	KWN-M5/-16 90	K.12
1497090000	KWN-M6/16 90	K.12
1497100000	KWN-M8/-16 90	K.12
1497110000	KWN-M10/-16 90	K.12
1497120000	KWN-M12/-16 90	K.12
1497130000	VSTN/-10	K.15
1497140000	VSTN/-16	K.15
1497150000	KRN-M4/-6	K.9
1497170000	KRN-M5/-6	K.9
1497180000	KRN-M6/-6	K.9
1497190000	KRN-M8/-6	K.9
1497200000	KRN-M10/-6	K.9
1497210000	KRN-M12/-6	K.9
1497220000	KWN-M5/-6 90	K.12
1497240000	KRN-M20/-300	K.10
1497250000	KRN-M14/-185	K.10
1497270000	KRN-M14/-240	K.10
1497280000	KRN-M14/-300	K.10
1497290000	KRN-M8/-185	K.10
1497300000	KWN-M12/-300 90	K.13
1497310000	KWN-M16/-300 90	K.13
1497320000	KWN-M20/-300 90	K.13
1497330000	VSTN-M0,5/-0,75	K.15
1497340000	VSTN-M1/-1,5	K.15
1497350000	VSTN/-2,5	K.15
1497370000	VSTN/-4	K.15
1497380000	VSTN/-150	K.15
1497390000	VSTN/-185	K.15
1497400000	VSTN/-240	K.15
1497840000	KP-M5/-6	K.17
1497850000	KP-M6/-6	K.17
1497860000	KP-M8/-6	K.17
1497870000	KP-M5/-10	K.17
1497880000	KP-M6/-10	K.17
1497890000	KP-M8/-10	K.17
1497910000	KP-M10/-10	K.17

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1497920000	KP-M5/-16	K.17
1497930000	KP-M6/-16	K.17
1497940000	KP-M8/-16	K.17
1497950000	KP-M10/-16	K.17
1497960000	KP-M12/-16	K.17
1497970000	KP-M6/-25	K.17
1497980000	KP-M8/-25	K.17
1497990000	KP-M10/-25	K.17
1498000000	KP-M12/-25	K.17
1498010000	KP-M16/-25	K.17
1498020000	KP-M6/-35	K.17
1498030000	KP-M8/-35	K.17
1498040000	KP-M10/-35	K.17
1498050000	KP-M12/35	K.17
1498060000	KP-M16/-35	K.17
1498070000	KP-M8/-50	K.17
1498080000	KP-M10/-50	K.17
1498090000	KP-M12/-50	K.17
1498110000	KP-M16/-50	K.17
1498120000	KP-M20/-50	K.17
1498130000	KP-M8/-70	K.17
1498140000	KP-M10/-70	K.17
1498150000	KP-M12/-70	K.17
1498160000	KP-M16/-70	K.17
1498170000	KP-M20/-70	K.17
1498180000	KP-M8/-95	K.17
1498190000	KP-M10/-95	K.17
1498210000	KP-M12/-95	K.17
1498220000	KP-M16/-95	K.17
1498230000	KP-M20/-95	K.17
1498240000	KP-M10/-120	K.18
1498250000	KP-M12/-120	K.18
1498270000	KP-M16/-120	K.18
1498280000	KP-M20/-120	K.18
1498290000	KP-M8/-150	K.18
1498310000	KP-M10/-150	K.18
1498320000	KP-M12/-150	K.18
1498330000	KP-M16/-150	K.18
1498340000	KP-M20/-150	K.18
1498350000	KP-M10/-185	K.18
1498360000	KP-M12/-185	K.18
1498370000	KP-M16/-185	K.18
1498380000	KP-M20/-185	K.18
1498390000	KP-M10/-240	K.18
1498410000	KP-M12/-240	K.18
1498420000	KP-M16/-240	K.18
1498430000	KP-M20/-240	K.18
1498440000	KP-M10/-300	K.18
1498450000	KP-M12/-300	K.18
1498460000	KP-M16/-300	K.18
1498470000	KP-M20/-300	K.18
1498480000	KP-M8/-120	K.18
1498490000	KP-M14/-120	K.18
1498510000	KP-M6/-50	K.17
1498520000	KP-M14/-95	K.17
1498530000	KP-M14/-240	K.18
1498540000	KP-M8/-185	K.18
1498550000	KP-M14/-300	K.18
1498560000	KP-M14/-70	K.17
1498570000	KP-M14/-50	K.17
1498580000	KP-M14/-150	K.18
1498590000	KP-M14/-185	K.18
1498610000	VPN/-6	K.19
1498620000	VPN/-10	K.19
1498630000	VPN/-16	K.19
1498640000	VPN/-25	K.19
1498650000	VPN/-35	K.19
1498660000	VPN/-50	K.19
1498670000	VPN/-70	K.19
1498680000	VPN/-95	K.19
1498690000	VPN/-120	K.19
1498710000	VPN/-150	K.19
1498720000	VPN/-185	K.19
1498730000	VPN/-240	K.19
1498740000	VPN/-300	K.19

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1500440000	PZ RK 6/70	D.31
1500450000	PZ RK 10/120	D.32
1500470000	PZ PK 6/70	D.31
1500480000	PZ PK 10/120	D.32
1500490000	ES MTR35 WM 6	D.34
1500500000	ES MTR35 WM 10	D.34
1500520000	ES MTR35 WM 16	D.34
1500530000	ES MTR35 WM 25	D.34
1500540000	ES MTR35 WM 35	D.34
1500550000	ES MTR35 WM 50	D.34
1500580000	ES MTR35 HEX 6	D.34
1500590000	ES MTR35 HEX 10	D.34
1500600000	ES MTR35 HEX 16	D.34
1500620000	ES MTR35 HEX 25	D.34
1500630000	ES MTR35 HEX 35	D.34
1500640000	ES MTR35 HEX 50	D.34
1500650000	ES MTR35 DIN 6	D.34
1500670000	ES MTR35 DIN 10	D.34
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1500690000	ES MTR35 DIN 25	D.34
1500700000	ES MTR35 DIN 35	D.34

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1500750000	ES MTR35 AEH 6	D.34
1500770000	ES MTR35 AEH 10	D.34
1500780000	ES MTR35 AEH 16	D.34
1500790000	ES MTR35 AEH 25	D.34
1500800000	ES MTR35 AEH 35	D.34
1500820000	ES MTR35 AEH 50	D.34
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1500880000	ES MTR110 WM 25/50	D.37
1500890000	ES MTR110 WM 95	D.37
1500900000	ES MTR110 WM 120	D.37
1500920000	ES MTR110 WM 16/35	D.37
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1500940000	ES MTR110 HEX 10/70	D.37
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1501290000	ES MTR110 DIN 6	D.37
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1502470000	ES APG/HPG80 WM 16	D.46
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1502490000	ES APG/HPG80 WM 35	D.46
1502500000	ES APG/HPG80 WM 50	D.46
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9008350000	SDS 1.0X5.5X150	F.23
9008370000	SDIS 0.4X2.5X75	F.21
9008380000	SDIS 0.5X3.0X100	F.21
9008390000	SDIS 0.6X3.5X100	F.21
9008400000	SDIS 0.8X4.0X100	F.21
9008410000	SDIS 1.0X5.5X125	F.21
9008420000	SDIS 1.2X6.5X150	F.21
9008430000	SDIS 1.6X8.0X175	F.21
9008450000	SDIZ 0.6X3.5X100	F.21
9008460000	SDIZ 0.8X4.0X100	F.21
9008470000	SDK PH0	F.23
9008480000	SDK PH1	F.23
9008490000	SDK PH2	F.23
9008500000	SDK PH3	F.23
9008530000	SDK PZ1	F.23
9008540000	SDK PZ2	F.23
9008550000	SDK PZ3	F.23
9008560000	SDIK PH0	F.21
9008570000	SDIK PH1	F.21
9008580000	SDIK PH2	F.21
9008590000	SDIK PH3	F.21
9008640000	SDIZ 0,8X5,5 150/248	F.21
9008850000	SK WSD-S 1,5-10,0	F.25
9008860000	SKS 2,0-8,0	F.25
9008870000	SKS 2,0-8,0 MR	F.25
9008880000	TH-S 9-40	F.25
9008890000	SDIK PZ2	F.21
9008900000	SDIK PZ1	F.21
9008910000	SDIS 1.0X4.5X125	F.21
9009010000	SDS 1.2X6.5X150	F.23
9009020000	SDS 0.8X4.5X125	F.23
9009030000	SDS 0.4X2.5X75	F.23
9009070000	SK 10,0x125	F.23
9009160000	SD TH20	F.23
9009170000	SD TH15	F.23
9009180000	SD TH10	F.23
9009520000	UBH 1/4 E6,3	F.9
9009630000	BHS 1/4	F.9
9009730000	SDI Set S2.5-5.5/PH1/2	F.22
9009740000	SD Set S2.5-5.5/PH1/2	F.24
9009750000	SYSTEM 11+1	F.26

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9010950000	HTX-HDC/POF	D.54
9011360000	HTX LWL	D.21
9011360000	HTX LWL	D.5
9011360000	HTX LWL	D.5
9011460000	PZ 6/5	D.8
9011460000	PZ 6/5	D.4
9011460000	PZ 6/5	D.4
9011460000	PZ 6/5	J.3
9011460000	PZ 6/5	J.3
9011980000	STRIPAX PLUS 2.5 ZERT	D.6
9011990000	HTX 188	D.25
9011990000	HTX 188	D.5
9012000000	HTG 58	D.25
9012000000	HTG 58	D.5
9012010000	HTG 59	D.25
9012010000	HTG 59	D.5
9012020000	HTG 58/59	D.25
9012020000	HTG 58/59	D.5
9012400000	HTX 138	D.25
9012400000	HTX 138	D.5
9012410000	HTG 174	D.25
9012410000	HTG 174	D.5
9012500000	PZ 4	D.8
9012500000	PZ 4	D.4
9012500000	PZ 4	J.3
9012500000	PZ 4	J.3
9012600000	PZ 16	D.11
9012600000	PZ 16	D.4
9012600000	PZ 16	J.3
9013080000	HTF 48	D.16
9013080000	HTF 48	D.5
9013090000	HTF 28	D.16
9013090000	HTF 28	D.5
9013260000	HTF SUB-D	D.26
9013260000	HTF SUB-D	D.5
9013400000	HTF 63	D.16
9013400000	HTF 63	D.5
9013550000	HTF RSV 12	D.27
9013550000	HTF RSV 12	D.4
9013560000	HTF RSV 16 WI	D.27
9013560000	HTF RSV 16 WI	D.4
9013600000	PZ ZH 16	D.11
9013600000	PZ ZH 16	D.4
9013600000	PZ ZH 16	J.3
9013610000	PZ ZH 16 ZERT	D.11
9013690000	CTX CM 1.6/2.5 ZERT	D.20
9013960000	ERME 110 PDT	D.51
9013970000	PUNCH DOWN TOOL PDT	D.51
9013980000	ERME 66 PDT	D.51
9013990000	ERME 630 PDT	D.51
9014000000	ERME LSA PLUS STANDARD	D.51
9014050000	ERME LSA PLUS SCHERE	D.51
9014100000	HTN 21 M. AN	D.18
9014100000	HTN 21 M. AN	D.5
9014140000	HTF DFF	D.27
9014140000	HTF DFF	D.4
9014210000	DFF-C ENTRIEGELUNGSWZ.	D.52
9014350000	PZ 6 Roto	D.9
9014350000	PZ 6 Roto	D.4
9014350000	PZ 6 Roto	D.4
9014350000	PZ 6 Roto	J.3
9014350000	PZ 6 Roto	J.3
9014400000	HTI 15	D.18
9014400000	HTI 15	D.5
9014400000	HTI 15	J.3
9014610000	HTN 21	D.18
9014610000	HTN 21	D.5
9014840000	HTF ZRV	D.27
9014840000	HTF ZRV	D.4
9015900000	FLECAFIX 11/24	F.16
9015980000	FLECAFIX 24/36	F.16
9016180000	EINSATZPAAR ISO 10QMM	D.40
9016190000	EINSATZPAAR ISO 16QMM	D.40
9016200000	EINSATZPAAR ISO 25QMM	D.40
9016210000	EINSATZPAAR ISO 35QMM	D.40
9016220000	EINSATZPAAR ISO 50QMM	D.40
9016230000	EINSATZPAAR ISO 70QMM	D.40
9016260000	RUNDPRESSEINS 25SM35SE	D.40
9016270000	RUNDPRESSEINS 35SM50SE	D.40
9016280000	RUNDPRESSEINS 50SM70SE	D.40
9016290000	RUNDPRESSEINS 70SM95SE	D.40
9016370000	RUNDPRESSEINS 95SM120SE	D.40
9016380000	RUNDPRESSEINS 120SM150SE	D.40
9016390000	RUNDPRESSEINS 150SM185SE	D.40
9016440000	RUNDPRESSEINS 185SM240SE	D.40
9017170000	HTN 21 M. AN ZERT	D.18
9017240000	HTF 63 ZERT	D.16
9017250000	MTR 160	D.39
9017260000	HTF 48 ZERT	D.16
9017270000	TRAGETASCHE MTR 160	D.39
9017290000	CTI 6 ZERT	D.17
9017300000	PZ 4 ZERT	D.8
9017310000	PZ 1.5 ZERT	D.7
9017330000	STRIPAX ZERT	C.4
9017340000	PZ 16 ZERT	D.11
9017350000	CTN 25 D4 ZERT	D.19
9017360000	PZ 3 ZERT	D.7
9017380000	HTN 21 ZERT	D.18
9017400000	PZ 50 ZERT	D.12
9017410000	HTF 28 ZERT	D.16
9017430000	HTI 15 ZERT	D.18
9017440000	PZ 6 ROTO ZERT	D.9
9017500000	MTR 35	D.33
9017500000	MTR 35	K.6
9017500000	MTR 35	K.7
9017840000	TRAGEKASTEN MTR 35	D.33
9017870000	DMS 3 ZERT	F.7
9017880000	HTF RSV 16 ZERT	D.27
9017890000	HTF-RSV 12 ZERT	D.27
9017900000	PZ 6/5 ZERT	D.8
9018020000	MTR 110	D.36
9018020000	MTR 110	K.6
9018020000	MTR 110	K.7
9018040000	TRAGEKASTEN MTR 110	D.36
9018480000	CTX CM 3.6	D.20
9018480000	CTX CM 3.6	D.4
9018490000	CTX CM 1.6/2.5	D.20
9018490000	CTX CM 1.6/2.5	D.4
9018510000	H0,75/14 ZH W SV	J.10
9018520000	H0,75/14D ZH GR SV	J.11
9018530000	H1,0/15 ZH GE SV	J.10
9018540000	H1,0/15D ZH R SV	J.11
9018540000	H1,0/15D ZH R SV	J.12
9018550000	H0,75/14TS HBL	J.14
9018560000	H1,0/14S R	J.14
9018580000	H2,5/19T ZH GR SV	J.12
9018590000	H4,0/22T ZH OR SV	J.12
9018650000	H1,0/15S ZH GE SV	J.10
9018690000	H1,0/15S ZH GE	J.10
9018860000	H10/24S ZH EB	J.10
9018870000	H10/30S ZH EB	J.10
9018880000	H10,0/24DS ZH R	J.11
9018890000	H10/30DS ZH R	J.11
9018910000	H0,25/5	J.15
9019000000	H0,5/12D W	J.6
9019000000	H0,5/12D W	J.8
9019010000	H0,5/14D W	J.6
9019010000	H0,5/14D W	J.8
9019020000	H0,5/16D W	J.6
9019020000	H0,5/16D W	J.8
9019030000	H0,75/12D GR	J.6
9019030000	H0,75/12D GR	J.8
9019040000	H0,75/14D GR	J.6
9019050000	H0,75/16D GR	J.6
9019060000	H0,75/18D GR	J.6
9019070000	H1,0/12D R	J.6
9019080000	H1,0/14D R	J.6
9019100000	H1,0/16D R	J.6
9019100000	H1,0/16D R	J.8
9019110000	H1,0/18D R	J.6
9019110000	H1,0/18D R	J.8
9019120000	H1,5/14D SW	J.6
9019120000	H1,5/14D SW	J.8
9019130000	H1,5/16D SW	J.6
9019130000	H1,5/16D SW	J.8
9019140000	H1,5/18D SW	J.6
9019140000	H1,5/18D SW	J.8
9019150000	H1,5/24D SW	J.6
9019150000	H1,5/24D SW	J.8
9019160000	H2,5/15D BL	J.4
9019160000	H2,5/15D BL	J.6
9019170000	H2,5/19D BL	J.4
9019170000	H2,5/19D BL	J.6
9019180000	H2,5/25D BL	J.4
9019180000	H2,5/25D BL	J.6
9019190000	H4,0/18D GR	J.4
9019190000	H4,0/18D GR	J.6
9019200000	H4,0/20D GR	J.4
9019200000	H4,0/20D GR	J.6
9019210000	H4,0/26D GR	J.4
9019210000	H4,0/26D GR	J.6
9019220000	H6,0/20D GE	J.6
9019230000	H6,0/26D GE	J.6
9019240000	H10,0/22D R	J.6
9019250000	H10,0/28D R	J.6
9019260000	H16,0/22D BL	J.6
9019270000	H16,0/28D BL	J.6
9019280000	H25,0/30D 16 GE	J.6
9019300000	H25,0/36D GE	J.6
9019310000	H35,0/30D 16 R	J.6
9019320000	H35,0/32D R	J.6
9019330000	H35,0/39D R	J.6
9019340000	H50/36D BL	J.6
9019350000	H50,0/41D BL	J.6
9019400000	H0,5/14D W SV	J.6
9019400000	H0,5/14D W SV	J.8
9019410000	H0,75/14D GR SV	J.6
9019420000	H1,0/14D R SV	J.6
9019420000	H1,0/14D R SV	J.8
9019430000	H1,5/14D SW SV	J.6
9019430000	H1,5/14D SW SV	J.8

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9020000000	STRIPAX PLUS 2.5	D.6
9020360000	AM LWL/POF	D.54
9020390000	PS LWL/POF	D.54
9020400000	PB LWL/POF	D.54
9020900000	EINSATZ MTR 160 10HEX	D.40
9020910000	EINSATZ MTR 160 16HEX	D.40
9020920000	EINSATZ MTR 160 25HEX	D.40
9020930000	EINSATZ MTR 160 35HEX	D.40
9020940000	EINSATZ MTR 160 50HEX	D.40
9020950000	EINSATZ MTR 160 70HEX	D.40
9020960000	EINSATZ MTR 160 95HEX	D.40
9020970000	EINSATZ MTR 160 120HEX	D.40
9020980000	EINSATZ MTR 160 150HEX	D.40
9020990000	EINSATZ MTR 160 185HEX	D.40
9021000000	EINSATZ MTR 160 240HEX	D.40
9021010000	H0,25/10T GE	J.8
9021020000	H0,25/12T GE	J.8
9021040000	H0.75/14 HBL	J.8
9021050000	H0,75/16T HBL	J.8
9021060000	H0,75/18T HBL	J.8
9021070000	H2,5/15T GR	J.8
9021080000	H2,5/19T GR	J.8
9021090000	H2,5/25T GR	J.8
9021100000	H4,0/18T OR	J.8
9021110000	H4,0/20T OR	J.8
9021120000	H4,0/26T OR	J.8
9021130000	H6,0,0/20T GN	J.8

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9021140000	H6/26T GN	J.8
9021150000	H10,0/22T BR	J.8
9021160000	H10,0/28T BR	J.8
9021170000	H16,0/22T W	J.8
9021180000	H16,0/28T W	J.8
9021190000	H25,0/30T SW	J.8
9021200000	H25,0/36T SW	J.8
9021210000	H0,25/10T GE SV	J.8
9021220000	H0,25/12T GE SV	J.8
9021230000	H0,75/14T HBL SV	J.8
9021240000	H2,5/15T GR SV	J.8
9021250000	H4,0/18T OR SV	J.8
9021300000	EINSATZ MTR 160 10DIN	D.40
9021310000	EINSATZ MTR 160 16DIN	D.40
9021320000	EINSATZ MTR 160 25DIN	D.40
9021330000	EINSATZ MTR 160 35DIN	D.40
9021340000	EINSATZ MTR 160 50DIN	D.40
9021350000	EINSATZ MTR 160 70DIN	D.40
9021360000	EINSATZ MTR 160 95DIN	D.40
9021370000	EINSATZ MTR 160 120DIN	D.40
9021380000	EINSATZ MTR 160 150DIN	D.40
9021390000	MTR 300	D.39
9021420000	TRAGEKASTEN MTR 300	D.39
9021430000	EINSATZP.HEX10QMM	D.40
9021440000	EINSATZP.HEX16QMM	D.40
9021450000	EINSATZP.HEX25QMM	D.40
9021460000	EINSATZP.HEX35QMM	D.40
9021470000	EINSATZP.HEX50QMM	D.40
9021480000	EINSATZP.HEX70QMM	D.40
9021750000	EINSATZ MTR 160 10+25WM	D.40
9021760000	EINSATZ MTR 160 16+35WM	D.40
9021770000	EINSATZ MTR 160 50WM	D.40
9021780000	EINSATZ MTR 160 70WM	D.40
9021790000	EINSATZ MTR 160 95WM	D.40
9021800000	EINSATZ MTR 160 120WM	D.40
9021810000	EINSATZ MTR 160 150WM	D.40
9021820000	EINSATZ MTR 160 185WM	D.40
9021830000	EINSATZ MTR 160 240WM	D.40
9022290000	EINSATZP.HEX95QMM	D.40
9022300000	EINSATZP.HEX120QMM	D.40
9022310000	EINSATZP.HEX150QMM	D.40
9022320000	EINSATZP.HEX185QMM	D.40
9022330000	EINSATZP.HEX240QMM	D.40
9022340000	EINSATZP.HEX300QMM	D.40
9022350000	GESENK 10+70QMM	D.40
9022360000	GESENK 16+35QMM	D.40
9022370000	GESENK 25+50QMM	D.40
9022380000	GESENK 95QMM	D.40
9022390000	GESENK 120QMM	D.40
9022400000	GESENK 150QMM	D.40
9022990000	STEMPEL 10-70QMM	D.40
9023090000	H-BOX 0.5-2.5QMM T	J.16
9023100000	CUTFIX 8	I.5
9023110000	STEMPEL 95-150QMM	D.40
9024000000	BIT E6,3 0,5x3,0x70	F.8
9024010000	EINSATZP.WM 10+25QMM	D.40
9024020000	BIT E6,3 0,6x3,5x70	F.8
9024030000	BIT E6,3 0,8x4,0x70	F.8
9024040000	BIT E6,3 1,0x5,5x70	F.8
9024080000	BIT E6,3 PH1x70	F.8
9024090000	BIT E6,3 PH2x70	F.8
9024100000	BIT E6,3 PZ1x70	F.8
9024110000	BIT E6,3 PZ2x70	F.8
9024400000	EINSATZP.WM 16+35QMM	D.40
9024410000	EINSATZP.WM 50QMM	D.40
9024420000	EINSATZP.WM 70QMM	D.40
9024430000	EINSATZP.WM 95QMM	D.40
9024970000	Bit-Box WI DMS 3	F.9
9025210000	EINSATZP.WM 120QMM	D.40
9025220000	EINSATZP.WM 150QMM	D.40
9025230000	EINSATZP.WM 185QMM	D.40
9025240000	H1,5/14S SW	J.14
9025390000	ZH-BOX 0,5-2,5QMM	J.16
9025400000	H-BOX 4,0-16,0QMM DIN	J.17
9025410000	H-BOX 0,14-0,75QMM	J.16
9025420000	H-LEERBOX 4 TRENNSTEGE	J.17
9025430000	H-BOX 0,5-2,5QMM DIN	J.16
9025440000	CCM ABLAENGAUTOMAT	I.5
9025680000	H-LEERBOX 5 TRENNSTEGE	J.17
9025690000	H1,5/12S R	J.14
9025700000	H0,75/14S W SV	J.14
9025710000	H1,0/14S GE SV	J.14
9025720000	H1,5/14S R SV	J.14
9025740000	H0,25/10 HBL	J.4
9025750000	H0,34/10 TK	J.4
9025760000	H0,25/12 HBL	J.4
9025770000	H0,34/12 TK	J.4
9025780000	H0,25/12 HBL SV	J.4
9025790000	H0,34/12 TK SV	J.4
9025800000	CRIMP-SET PZ 4	H.6
9025850000	CRIMP-SET PZ 16	H.7
9025860000	H0,75/16 W	J.4
9025870000	H0,5/16 OR	J.4
9025880000	H50,0/22S	J.15
9025900000	H-BOX 0,5-2,5QMM	J.16
9025910000	H0,75/18 W	J.4
9025920000	H-BOX 4,0-16,0QMM	J.17
9025930000	H1,0/18 GE	J.4
9025940000	H-LEERBOX 5 EINSAETZE	J.17

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9025950000	H1,0/16 GE	J.4
9025960000	H0,75/14S W	J.14
9025970000	H1,0/14S GE	J.14
9025980000	H1,5/14S R	J.14
9026010000	H4,0/18 GR SV	J.4
9026010000	H4,0/18 GR SV	J.6
9026030000	H0,34/10 TK SV	J.4
9026050000	H0,25/10 HBL SV	J.4
9026060000	H0,5/14 OR SV	J.4
9026070000	H0,75/14 W SV	J.4
9026080000	H1,0/14 GE SV	J.4
9026090000	H1,5/14 R SV	J.4
9026100000	H2,5/15 BL SV	J.4
9026100000	H2,5/15 BL SV	J.6
9027270000	POWERSTRIPPER ao 2,5-20	I.7
9027290000	POWERSTRIPPER ao 16-20	I.7
9027310000	CRIMPFIX LZ	I.10
9028020000	EINSATZP.WM 240QMM	D.40
9028200000	H70,0/37 GE	J.4
9028210000	H95,0/44 R	J.4
9028220000	H120,0/50 BL	J.4
9028230000	H150,0/54 GE	J.4
9028240000	H0,14/12 GR SV	J.4
9028250000	H0,14/10T BR SV	J.8
9028260000	H0,5/12 OR SV	J.4
9028270000	H0,5/16 OR SV	J.4
9028280000	H0,75/12 W SV	J.4
9028290000	H0,75/16 W SV	J.4
9028300000	H0,75/18 W SV	J.4
9028310000	H1,0/12 GE SV	J.4
9028320000	H1,0/16 GE SV	J.4
9028340000	H1,0/18 GE SV	J.4
9028350000	H1,5/16 R SV	J.4
9028360000	H1,5/14DS SW SV	J.14
9028420000	EINSATZ A8-2 CL55	H.12
9028450000	EINSATZ A7-1 CL55	H.12
9028460000	EINSATZ A8-1 CL55	H.12
9028480000	POWERSTRIPPER 16,0	I.6
9028490000	H2,5/12DS BL	J.14
9028500000	CRIMPFIX R	I.9
9028510000	POWERSTRIPPER 6,0	I.6
9028530000	CRIMPFIX L	I.10
9028540000	CRIMPFIX LS	I.10
9028580000	H0,75/14DS GR	J.14
9028630000	CRIMP-SET PZ 4 D	H.6
9028640000	CRIMP-SET PZ 4 T	H.6
9028650000	CRIMP-SET PZ 3	H.6
9028660000	CRIMP-SET PZ 3 D	H.6
9028670000	CRIMP-SET PZ 3 T	H.6
9028680000	CRIMP-SET PZ 6 ROTO L	H.6
9028690000	CRIMP-SET PZ 6 ROTO L D	H.6
9028700000	CRIMP-SET PZ 6 ROTO L T	H.6
9028740000	CRIMP-SET PZ 6/5	H.7
9028750000	CRIMP-SET PZ 6/5 D	H.7
9028760000	CRIMP-SET PZ 6/5 T	H.7
9028770000	CRIMP-SET STRIPAX PLUS	H.7
9028780000	CRIMP-SET STRIPAX PLUS D	H.7
9028790000	CRIMP-SET STRIPAX PLUS T	H.7
9028800000	CRIMP-SET PZ 16 D	H.7
9028810000	CRIMP-SET PZ 16 T	H.7
9028820000	CRIMP-SET PZ ZH 16	H.8
9028830000	CRIMP-SET PZ ZH 16 D	H.8
9028840000	CRIMP-SET PZ ZH 16 T	H.8
9028850000	CRIMP-SET PZ 50	H.8
9028860000	KOFFER PSC4-01	H.14
9028870000	CRIMP-SET PZ 50 D	H.8
9028880000	CRIMP-SET PZ 50 T	H.8

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9030060000	AM 12	C.12
9030500000	CST	C.14
9032060000	SCHA CST	C.14
9036200000	H2,5/12TS GR	J.14
9036220000	H2,5/16DS BL	J.14
9036240000	H120,0/32	J.15
9036250000	H150,0/32	J.15
9036260000	H185,0/32	J.15
9036290000	HOOKBLA 0,25-1,5 SW	J.18
9036300000	HOOKBLA 1,0-2,5 SW	J.18
9036330000	H1,0/22DS R ZH	J.11
9037160000	SDS 0.4X2.0X60	F.23
9037200000	H0,5/14 ZH OR	J.10
9037200000	H0,5/14 ZH OR	J.12
9037210000	H0,5/16 ZH OR	J.10
9037210000	H0,5/16 ZH OR	J.12
9037220000	H0,5/18 ZH OR	J.10
9037220000	H0,5/18 ZH OR	J.12
9037230000	H0,75/14 ZH W	J.10
9037240000	H0,75/16 ZH W	J.10
9037250000	H0,75/24 ZH W	J.10
9037260000	H1,0/15 ZH GE	J.10
9037270000	H1,0/19 ZH GE	J.10
9037280000	H1,0/25 ZH GE	J.10
9037290000	H1,5/16 ZH R	J.10
9037300000	H1,5/20 ZH R	J.10
9037310000	H1,5/26 ZH R	J.10
9037320000	H6,0/23 ZH SW	J.10
9037330000	H6,0/29 ZH SW	J.10

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9037350000	H10,0/30 ZH EB	J.10
9037360000	H16,0/29 ZH GN	J.10
9037370000	H16,0/38 ZH GN	J.10
9037380000	H0,5/14D ZH W	J.11
9037390000	H0,5/16D ZH W	J.11
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9037460000	H1,0/25D ZH R	J.12
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9037520000	H2,5/27D ZH BL	J.11
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9037540000	H4,0/28D ZH GR	J.10
9037540000	H4,0/28D ZH GR	J.11
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9037560000	H6,0/29D ZH GE	J.11
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9037630000	H0,75/24T ZH HBL	J.12
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9037670000	H4,0/22T ZH OR	J.12
9037680000	H4,0/28T ZH OR	J.12
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9046320000	SE HD 160	E.4
9046330000	SE HD 180	E.4
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9046360000	RZ 160	E.6
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9046430000	KBZI 200	E.3

9050000000

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9200180000	LIR 2,5M5 V	J.18
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9200300000	LIS 1,5M3,5 V	J.18

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9200350000	LIS 2,5M3 V	J.18
9200360000	LIS 2,5M3,5 V	J.18
9200370000	LIS 2,5M4 V	J.18
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9200390000	LIS 2,5M6 V	J.18
9200410000	LIS 6M4 V	J.18
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9200440000	LIS 6M8 V	J.18
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9201590000	Digi Check 2MM	G.6
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9202060000	KT 55	B.7
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9202470000	Pro Case leer	H.4
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9202600000	Crimpset CTI 6	H.9
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9202750000	BIT E6,3 0,4x2,5x70	F.8
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9202840000	H0,75/19TS ZH HBL	J.12
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9202880000	H2,5/24 XS BL	J.13
9202900000	H 0,5/16 S OR	J.14
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9203100000	ERAN MULTI-STRIPAX	C.10
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9204180000	AMF 6/10	C.13
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9204270000	ERME KT 45 R	B.7
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9205330000	IE-CT-LC-GOF	D.22
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9205340000	IE-CT-SC-POF	D.5
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9918920000	MULTI CHECK	G.7
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