Crimping

Crimping

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Crimping

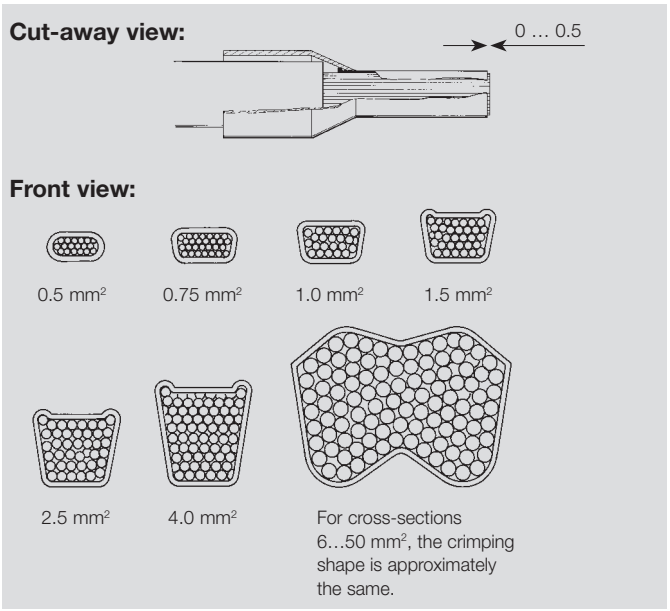
After stripping, appropriate contacts or wire end ferrules can be crimped to the cable end.
Crimping produces a reliable connection between conductor and contact, and has more or less completely replaced soldering.
Crimping describes the production of a uniform, nondetachable connection between conductor 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 product range of mechanical crimping tools.
An integral ratchet mechanism with disengaging 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.

Crimping of wire end ferrule: Optimum crimp of different cross-sections as an example

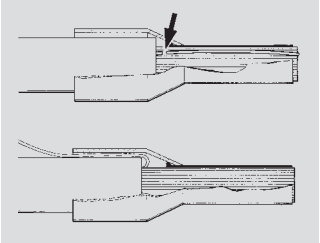
Examples for the visual inspection of a crimp connection with manual and automatic crimping tools by Weidmüller:
The conductor insulation must be pushed into the plastic collar.
The ferrule sleeve must be completely filled by the conductor.
Depending on the cross-section, the conductor should protrude approx. 0 … 0.5 mm from the ferrule sleeve.



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

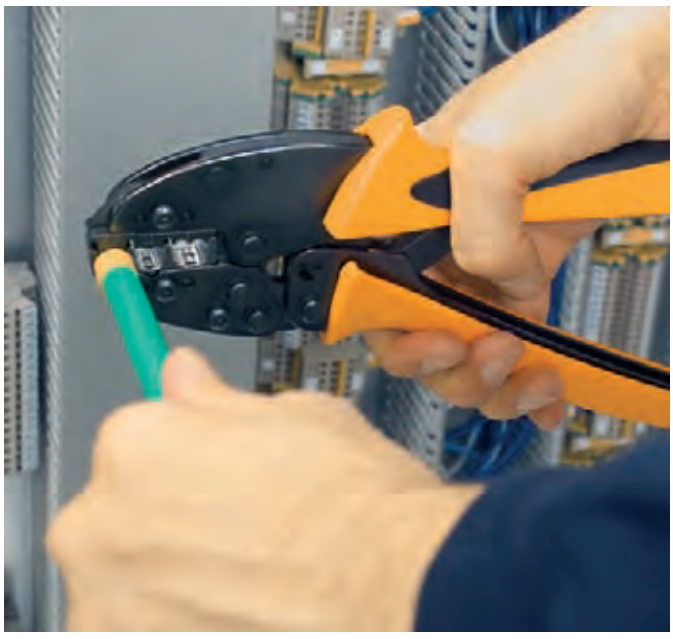
It is not possible for a tool to function reliably with every combination of conductor and crimping material.
It is possible that the standard requirements for the crimped product can't be achieved, although taken on their own, both conductor and crimping material comply with the corresponding standard.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



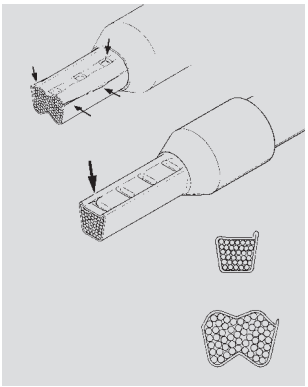
Single conductor squeezed off

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)

Overview contacts – tools

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
			0.25…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	24…10	PZ 6 HEX	**9013650000**	D.7
		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.9
		with / without plastic collar	6…16	10…6	PZ 16	**9012600000**	D.10
			25…50	3…1	PZ 50	**9006450000**	D.11
Twin wire end ferrules		Twin wire end ferrules	0.5…1	20…17	PZ 1.5	**9005990000**	D.7
			0.5…4	20…12	PZ 6 HEX	**9013650000**	D.7
			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.9
			0.5…4	20…12	PZ 6 roto	**9014350000**	D.9
			6…16	10…6	PZ ZH 16	**9013600000**	D.10
Stamped contacts		Weidmüller DFF series	0.22…2.5	24…12	HTF DFF	**9014140000**	D.23
		Weidmüller ZRV and MKF series	0.2…0.35 / 0.5…1	24…22 / 20…17	HTF ZRV	**9014840000**	D.23
		Weidmüller FEKO ZRV series	0.2…2.5	24…12	HTF AFK 2.5	**9201040000**	D.23
		Weidmüller RSV and DSTV-HD Systems	0.14…1.5	26…16	HTF RSV 16	**9013560000**	D.23
			2.5	14…12	HTF RSV 12	**9013550000**	D.23
Turned contacts		Turned HD and HE contacts	4…10	12…7	CTX CM 3.6	**9018480000**	D.18
			0.14…4	26…12	CTX CM 1.6/2.5	**9018490000**	D.18
		Turned HD. HE and HX contacts	0.14…6	26…10	CTIN CM 1.6/2.5	**9205430000**	D.18
			1.5…10	16…7	CTIN CM 3.6	**9205440000**	D.18

Crimp contact	Crimp type	Bezeichnung	Description in mm²	AWG	Crimping tool	Order No. tool	page
coaxial connectors		coaxial connectors			HTG 58	**9012000000**	D.21
					HTG 58/59	**9012020000**	D.21
					HTG 59	**9012010000**	D.21
					HTG 174	**9012410000**	D.21
					HTX 138	**9012400000**	D.21
					HTX 188	**9011990000**	D.21
		coaxial connectors			CTX 500	**9006320000**	D.22
					CTX 501	**9006370000**	D.22
					CTX 502	**9006380000**	D.22
insulated / non-insulated connectors		insulated connectors	0.5…2.5	20…14	HTI 15	**9014400000**	D.16
			0.5…6	20...10	CTI 6	**9006120000**	D.15
			0.5…6	20...10	CTI 6 G	**9202850000**	D.15
		non-insulated connectors	0.5…6	20...10	HTN 21	**9014610000**	D.16
			0.5…6	20...10	HTN 21 with end stop	**9014100000**	D.16
			10…25	7…3	CTN 25 D4	**9006220000**	D.17
			10…25	7…3	CTN 25 D5	**9006230000**	D.17
modular plug connectors		WE-plug (4, 6 and 8-poles)	0.08…0.25	28…24	TT 864 RS WE	**9008120000**	D.25
		WE-plug (4, 6 and 10-poles)	0.08…0.25	28…24	TT 1064 RS WE	**9008190000**	D.25
		shielded WE-plug, system Hirose	0.08…0.25	28…24	TT 8 GH	**9005640000**	D.24
			0.08...0.25	28...24	TT8 RS MP8	**9202800000**	D.24
Other contacts and plugs		SUB-D contacts	0.08…0.5	28…20	HTF SUB-D	**9013260000**	D.22
		flat blade connectors and receptacles	0.1…1 (connec. width 2.8)	27…17	HTF 28	**9013090000**	D.14
			0.5…2.5 (connec. width 4.8)	20…14	HTF 48	**9013080000**	D.14
			0.5…2,5 (connec. width 6.3)	20…14	HTF 63	**9013400000**	D.14
			0.5…6 (connec. width 6.3)	20…10	CTF 63	**9202860000**	D.14
		fibre optic connectors	Station 1 (hexagon crimp): 3.15 / 6.0 H.-→ 3.9		HTX LWL	**9011360000**	D.19
			Station 2 (round crimp): 4.85 / 6.0 H.-→ 5.5		HTX LWL	**9011360000**	D.19
		IP67 connector			IE-CT-SC-GOF	**9205320000**	D.20
					IE-CT-LC-GOF	**9205330000**	D.20
					IE-CT-SC-POF	**9205340000**	D.20
					IE-CT-SC-GOF-P	**9205350000**	D.20

Crimping tools for wire end ferrules

Three functions:
- Cutting
- Stripping
- Crimping

- Wire-end ferrules with plastic collars, in compliance with DIN 46228-4
- Ratchet for precise crimping.
- Efficient operation: Change of tools not necessary, resulting in a significant time savings
- Automatic conveyance of wire-end ferrules
- Quick adjustment for differing cross-sections
- Easy handling of ferrule strips

Only Weidmüller fifty-piece linked ferrule strips can be processed. The use of wire-end ferrules on reels can lead to damage.

stripax® plus 2.5

0,5...2,5 mm²

- For processing linked wire-end ferrules from Weidmüller 0.5...2.5 mm² (~AWG 20...14)

Technical data

Description of contact		STRIPAX PLUS 2.5
Type of contact		Strips of linked wire-end ferrules
Crimping range	mm²	0.5...2.5
Crimping range 1 (with multiple crimping positions)	mm²	0.5...0.75
Crimping range 2 (with multiple crimping positions)	mm²	1...1.5
Crimping range 3 (with multiple crimping positions)	mm²	2.5
Crimping range 4 (with multiple crimping positions)	-	
Crimping range 5 (with multiple crimping positions)	-	
Tool data		
Length	mm	210
Weight	g	260
Note		Only strip-type products from Weidmüller can be processed. The use of wire-end ferrules on reels can lead to damage.

Ordering data

Version	Type	Qty	Order No.
	STRIPAX PLUS 2.5	1	9020000000
	Spare cutting blade	1	9050340000
Note	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 (~ AWG 24...16)
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

PZ 1.5

0.14...1.5 mm²

- 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 6 HEX

0.14...6 mm²

- Only one die for the whole cross-section range
- Wire-end ferrule insertion from the side

Technical data

Description of contact		PZ 1.5	PZ 6 HEX
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.14...1.5	0.14...6
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)	mm²		
Crimping range 5 (with multiple crimping positions)	mm²		
Tool data			
Length	mm	170	180
Weight	g	170	380
Note			

Ordering data

Version	Type	Qty	Order No.	Type	Qty	Order No.
	PZ 1.5	1	**9005990000**	PZ 6 HEX	1	**9013650000**
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 (~ AWG 24...16)
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

PZ 4

0.5...4 mm²

- Only one crimping station for the whole cross-section range
- Wire-end ferrule insertion from the side

PZ 6/5

0.25...6 mm²

- 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)	mm²		0.25...0.5
Crimping range 2 (with multiple crimping positions)	mm²		0.75...1.5
Crimping range 3 (with multiple crimping positions)	mm²		2.5
Crimping range 4 (with multiple crimping positions)	mm²		4
Crimping range 5 (with multiple crimping positions)	mm²		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**
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 (~ AWG 24...16)
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

PZ 3

0.5...6 mm²

- Only one die for the whole cross-section range
- Wire-end ferrule insertion from the front

PZ 6 roto

0.14...6 mm²

- 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 3	PZ 6 Roto
Type of contact		Wire-end ferrules with/without plastic collars	Wire-end ferrules with/without plastic collars
Crimping range	mm²	0.5...6	0.14...6
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)	mm²		
Crimping range 5 (with multiple crimping positions)	mm²		
Tool data			
Length	mm	200	200
Weight	g	426	428
Note			

Ordering data

Version	Type	Qty	Order No.	Type	Qty	Order No.
	PZ 3	1	**0567300000**	PZ 6 Roto	1	**9014350000**
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 (~ AWG 24...16)
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

PZ 16

6...16 mm²

- 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

- 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)	mm²		
Crimping range 5 (with multiple crimping positions)	mm²		
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**
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 (~ AWG 24...16)
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

PZ 50

25...50 mm²

- 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

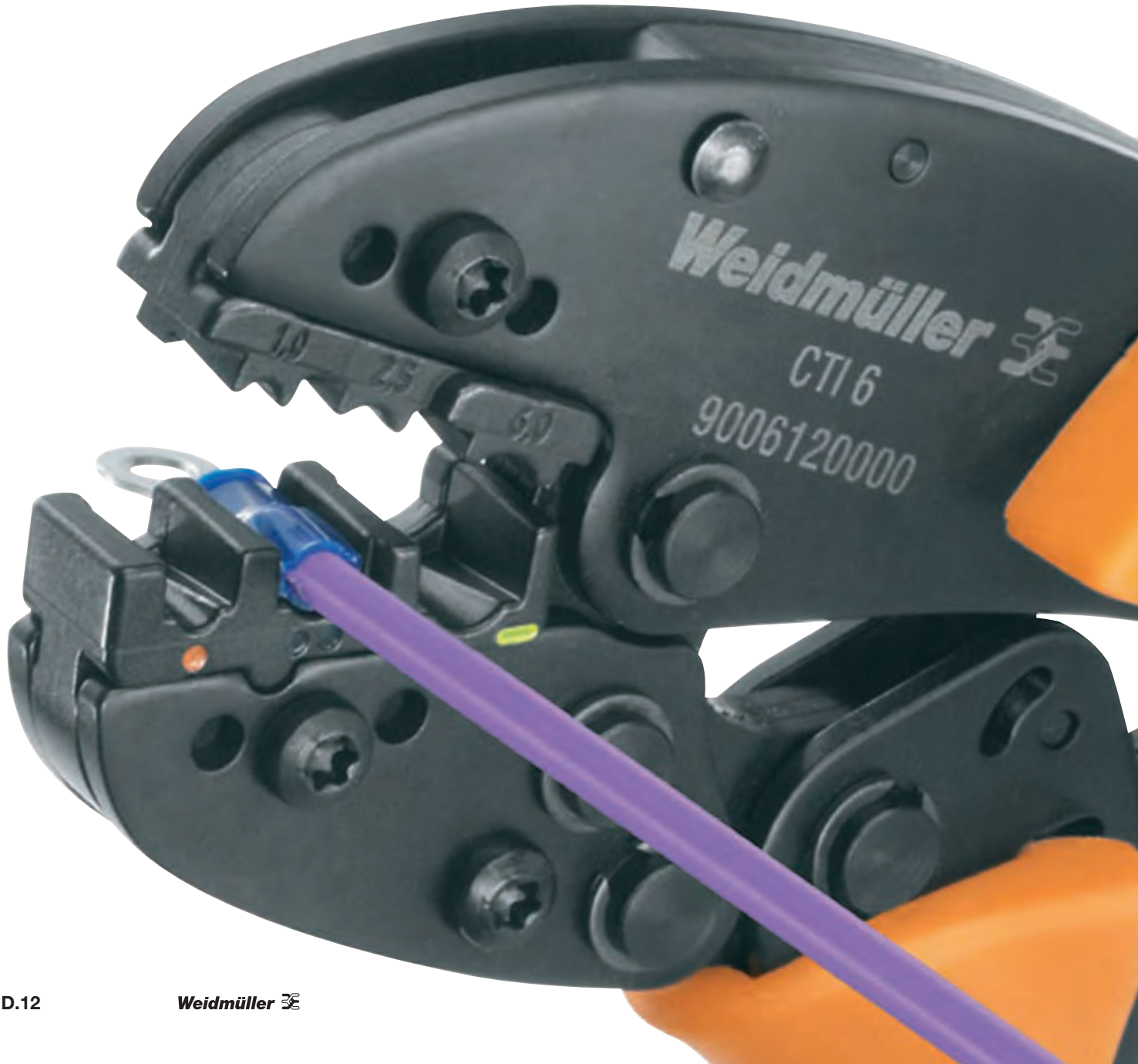
Version	Type	Qty	Order No.
	PZ 50	1	9006450000

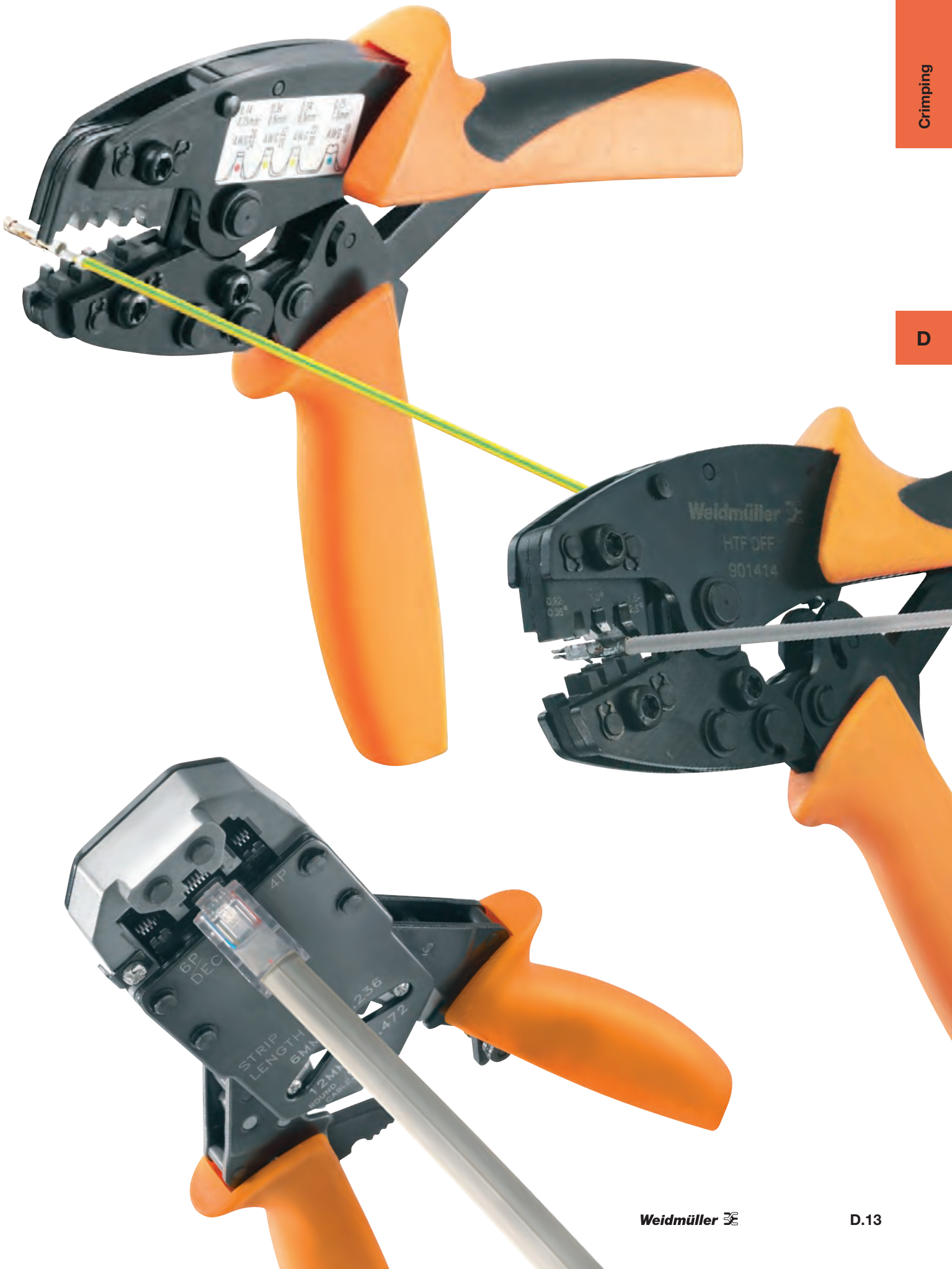
Note	
	Additional accessories can be found in Chapter J.

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 specialized crimping tools which are designed for specific contacts.

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




Weidmüller
HTF DFF
901414
4P
6P
DEC
STRIP
LENGTH
6MM
12MM
.236
.472

Crimping tools for other contacts

- Ratchet for precise crimping.
- Release option in the event of incorrect operation
- With locator 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 cable-lug sleeves and cable-lug (flat blade) connectors with pre-rolled crimping claw

HTF 28
Connector width: 2.8 mm, from 0.1...1.0 mm²
HTF 48
Connector width: 4.8 mm, from 0.5...2.5 mm²
HTF 63
Connector width: 6.3 mm, from 0.5...2.5 mm²

CTF 63

0.5...6 mm²

For cable-lug sleeves and cable-lug (flat blade) connectors with pre-rolled crimping claw

CTF 63
Connector 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.	Type	Qty	Order No.
	HTF 28	1	**9013090000**	CTF 63	1	**9202860000**
	HTF 48	1	**9013080000**			
	HTF 63	1	**9013400000**			
Note						

Crimping tools for other contacts

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

CTI 6 G

0,5...6 mm²

For PVC, PC, and polyamide insulated connectors
0.5...6 mm²
(~AWG 20 ... AWG 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
0.5...6 mm²
(~AWG 20 ... AWG 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**
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 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
0.5...2.5 mm²
(~AWG 20 ... AWG 14)

- Double-crimp profile, for crimping contact and insulation in one step

HTN 21

0.5...6 mm²

For uninsulated cable lugs and connectors
0.5...6 mm²
(AWG 20...10)

- Rolled cable lugs, for example acc. to DIN 46234
- Tubular cable lugs
- Pin cable lugs
- Parallel and serial connectors
- Indent crimp
- 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)	mm²		2.6...6	2.6...6
Plug width	-			
Tool data				
Length	mm	200	200	200
Weight	g	434	427	427
Note			End stop for secure contact positioning in tool	

Ordering data

Version	Type	Qty	Order No.	Type	Qty	Order No.
	HTI 15	1	**9014400000**	HTN 21	1	**9014610000**
				HTN 21 with pivoting end stop	1	**9014100000**
Note	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

CTN 25 D 4

10...25 mm²

For uninsulated cable lugs and connectors

10...25 mm²

- Rolled cable lugs, acc. to DIN 46234
- Pin cable lugs
- Parallel and serial connectors
- Indent crimp form

CTN 25 D 5

10...25 mm²

For uninsulated cable lugs and connectors

10...25 mm²

- Rolled cable lugs, acc. to DIN 46235
- Pin cable lugs
- Parallel and serial connectors
- Hexagon crimp form

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.	Type	Qty	Order No.
	CTN 25 D4	1	**9006220000**	CTN 25 D5	1	**9006230000**
Note	For rolled cable lugs			For tubular cable lugs		

Crimping tools for other contacts

- Ratchet for precise crimping.
- Release option in the event of incorrect operation
- With 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
- 0.14...4.0 mm²

CTX CM 3.6
- Turned HD contacts
- ConCept M 3 contacts
- 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
- 0.14...6.0 mm²

CTIN CM 3.6
- Turned HX contacts
- ConCept M 3 contacts
- 4-indent crimp
- 1.5...10.0 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 HD,HE HX +Concept M10.M5,M3	HX turned and Concept M3 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 3.6	1	**9018480000**	CTIN CM 3.6	1	**9205440000**
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-optic cables with

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

Station 1: Hexagon crimp

Station 2: Round crimp (for HP connectors)

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 + 67 plugs

- 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 + 67 plugs

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

Technical data

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

Ordering data

Version	Type	Qty	Order No.	Type	Qty	Order No.
	IE-CT-SC-GOF	1	**9205320000**	IE-CT-SC-POF	1	**9205340000**
	IE-CT-LC-GOF	1	**9205330000**	IE-CT-SC-GOF-P	1	**9205350000**
Note						

Accessories

	Type	Qty	Order No.	Type	Qty	Order No.
	IE-CTI-SC-GOF	1	**9205280000**	IE-CTI-SC-POF	1	**9205300000**
	IE-CTI-LC-GOF	1	**9205290000**	IE-CTI-SC-GOF-P	1	**9205310000**
Note	A large selection of plugs and connectors can be found in our current Industrial Ethernet Catalogue.			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

HTG174 / HTX138 / HTX188

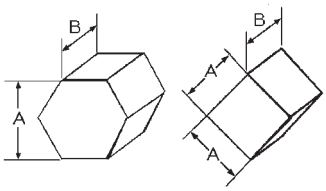
For coaxial connectors such as BNC, TNC and N plugs

- **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 cables RG 58, RG 59, RG 62,RG 71....



A = Width across flats
B = Crimping width
C = Ø Outer sleeve of the 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	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

AWG 28...20

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 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 (~0.14...1.5 mm²)

HTF RSV 12
AWG 4...12 (~2.5 mm²)

HTF ZRV / HTF DFF

0.2...2.5 mm²

HTF DFF
for contacts from the Weidmüller DFF Series
- 0.22...2.5 mm² (~AWG 24...12)

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

HTF AFK
for FEKO ZRV contacts from Weidmüller's ZRV contact series or the AFK contacts from Grote & Hartmann and compatible versions.
- 0.2...2.5 mm² (~AWG 24...12)

Technical data

Description of contact		HTF RSV 12	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...1.0
Crimping range 3 (with multiple crimping positions)	AWG		22...20		1.5...2.5	1.5...2.5
Crimping range 4 (with multiple crimping positions)	AWG		18...16			
Crimping range 5 (with multiple crimping positions)	-					
Tool data						
Length	mm	205	205	200	205	
Weight	g	445	445	436	445	
Note						

Ordering data

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

Three functions:
- Pressing of plug connectors
- Pressing of enclosure shielding
- Crimping of cable shielding

TT 8 GH

For 8-pole (RJ45) shielded plug (Hirose) for shielded data cables

AWG 28...24

TT 8 RS MP 8

For 8-pole shielded RJ45 plug

AWG 27...24

Pressing of IDC contacts

Pressing of shielded enclosures

Crimping of shielded cable

Technical data

Description of contact		TT 8GH	TT 8 RS MP 8
No. of poles		8	8
Tool data			
Length	mm	260	255
Weight	g	750	1251
Note			

Ordering data

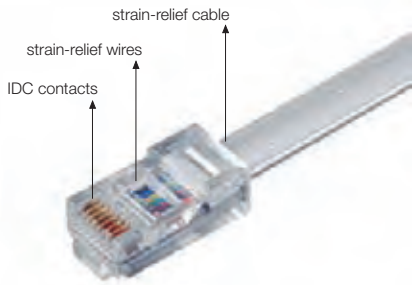
Version	Type	Qty	Order No.	Type	Qty	Order No.
	TT 8GH	1	**9005640000**	TT 8 RS MP 8	1	**9202800000**

Note		
		A large selection of RJ 45 plugs can be found in our current Industrial Ethernet Catalogue.

Pressing tools

- Pressing tool for the WE (Western Electric) and DEC modular connector systems
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

3 functions:
- Cutting
- Stripping
- Crimping



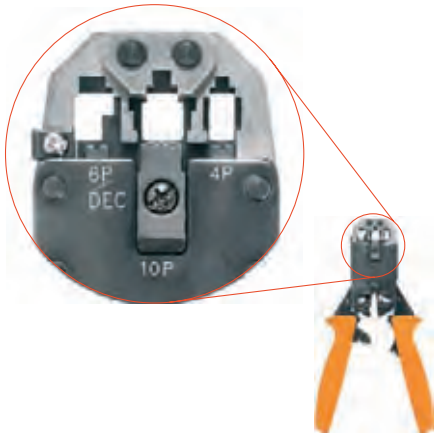
TT 864 RS WE

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

AWG 28...24

- For attachment of:
  4-pole WE plugs
  6-pole (RJ12) WE plugs
  6-pole (DEC) WE plugs
  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

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

Technical data

Description of contact		TT 864 RS	TT 1064RS
No. of poles		4, 6 and 8	10, 6 and 4
Tool data			
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 1064RS	1	**9008190000**
Note						

Accessories

	Type	Qty	Order No.	Type	Qty	Order No.
	Spare blade set TT 864	1	**9008130000**	Spare blade set TT 864	1	**9008130000**
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 high pressing force with little physical effort
- Fast feed helps pre-centering and extraction of the connecting parts
- Ratchet for proper trouble-free crimping
- Release option in the event of incorrect operation
- Comprehensive range of crimp inserts conforming with standards

MTR 35 / MTR 110

6...120 mm²

- Tubular cable lugs ranging from 6...120 mm²
- Rolled CU-connectors ranging from 6...70 mm²
- Wire-end ferrules ranging from 25...95 mm²
- Retractable head for easy withdrawal of crimped connection

MTR 160 / MTR 300

10...300 mm²

- Tubular cable lugs ranging from 10...300 mm²
- Rolled CU connectors ranging from 10...150 mm²
- Retractable head for easy withdrawal of crimped connection (only MTR 300)

MTR 300
Turntable presses: 25...240 ms; 35...240 sec

Technical data

Description of contact		MTR 35	MTR 110	MTR 160	MTR 300
Pressing force / Deviation	kN/mm	25 / 8	55 / 10	100 / 16	100 / 16
Crimping range for copper connector (rolled)	mm²	6...35	6...70	10...150	10...150
Crimping range for copper tube connector	mm²	6...50	10...120	10...240	10...300
Crimping range for insulated connectors	mm²	10...25	10...35		10...120
Crimping range of wire end ferrule	mm²	25...50	70...95		
Tool data					
Length / Weight	mm/kg	270 / 1.3	420 / 2	540 / 4	540 / 4
Note		For more details see crimp inserts on the following pages		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 35	1	**9017500000**	MTR 160	1	**9017250000**
	MTR 110	1	**9018020000**	MTR 300	1	**9021390000**
Note						

Accessories

Carry cases	Type	Qty	Order No.	Type	Qty	Order No.
	MTR 35	1	**9017840000**	MTR 300	1	**9021420000**
	MTR 110	1	**9018040000**	MTR 160	1	**9017270000**
Note	Crimping inserts see on the following pages			Crimping inserts see on the following pages		

MTR 35

	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **DIN 46235**				
	6	5	5.5	**9017550000**
	10	6	5.5	**9017560000**
	16	8	5.5	**9017570000**
	25	10	5.5	**9017580000**
	35	12	5.5	**9017590000**
	50	14	5.5	**9017760000**

	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **aluminium tube** cable lugs and connectors **DIN 46329**				
	25	12	7.0	**9017600000**
	35	14	7.0	**9017610000**

	Cross-section [mm²]	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **standard types**			
	6	6.0	**9017770000**
	10	6.0	**9017620000**
	16	6.0	**9017630000**
	25	6.0	**9017640000**
	35	6.0	**9017650000**
	50	6.0	**9017660000**

	Cross-section [mm²]	Order No.
Stamp and dies for copper cable lugs and connectors, **DIN 46234, DIN 46230**		
	Stamp	
	6–35	**9017670000**
	Die	
	6	**9017680000**
	10	**9017690000**
	16	**9017700000**
	25	**9017710000**
	35	**9017720000**
	with control mark	

	Cross-section [mm²]	Order No.
Die sets for insulated cable lugs and connectors, **DIN 46231, 46237**		
	10	**9017990000**
	16	**9018000000**
	25	**9018010000**

	Cross-section [mm²]	Order No.
Stamp and dies for wire end ferrules		
Stamp	25–50	**9017970000**
Die	25	**9017740000**
Die	35	**9017750000**
Die	50	**9017540000**

MTR 110

	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **DIN 46235**				
	10/70	6/16	5.5	**9018100000**
	16/35	8/12	5.5	**9018110000**
	25/50	10/14	5.5	**9018120000**
	95	18	5.5	**9018130000**
	120	20	5.5	**9018140000**

	Cross-section [mm²]	Code to DIN 48083	Crimping width [mm]	Order No.
Die sets for **aluminium tube** cable lugs and connectors **DIN 46329**				
	16/35	10/14	7.0	**9018800000**
	25/50	12/16	7.0	**9018810000**
	70	18	7.0	**9018820000**

	Cross-section [mm²]	Crimping width [mm]	Order No.
Die sets for **copper tube** cable lugs and connectors **standard types**			
	10/70	7.0	**9018400000**
	16/35	7.0	**9018410000**
	25/50	7.0	**9018420000**
	95	5.5	**9018430000**
	120	5.5	**9018440000**

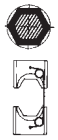
	Cross-section [mm²]	Order No.
Stamp and dies for copper cable lugs and connectors, **DIN 46234, DIN 46230**		
	Stamp	
	6–70	**9018500000**
	4-way die	
	10/16/25/35	**9018600000**
	16/25/35/50	**9018610000**
	2-way die	
	6/50	**9018620000**
	10/70	**9018630000**
	Single die	
	70	**9018640000**
	with control mark	

	Cross-section [mm²]	Crimping width [mm]	Order No.
Die sets for insulated cable lugs and connectors, **DIN 46231, 46237**			
	10	7.0	**9018700000**
	16	8.0	**9018710000**
	25	9.0	**9018720000**
	35	9.5	**9018730000**
	Oval crimp with control mark		
	Crimping insert with spring-mounted locator		
Prerounding die sets Cu/Al for sectored cable			
	25/50	12	**9018450000**
	35/70	12	**9018460000**
	95	12	**9018470000**

	Cross-section [mm²]	Order No.
Die sets for wire end ferrules		
	Pair of dies	
	70	**9023360000**
	95	**9023370000**

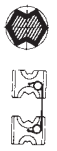
Crimping inserts

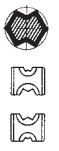
MTR 160

	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]	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.
Die sets for copper 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]	Order No.
Die sets 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 copper cable lugs and connectors, **DIN 46231, 46237**		
	10	**9016180000**
	16	**9016190000**
	25	**9016200000**
	35	**9016210000**
	50	**9016220000**
	70	**9016230000**
	95	**9016240000**
	120	**9016250000**

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**
	240 sm	**9016500000**

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:

- Mechanics 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 (scissor)

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.**
	PD blade Krone LSA Plus (scissor)	1	**9014050000**
	PD blade 110	1	**9013960000**
	PD blade 630	1	**9013990000**
	PD blade 66	1	**9013980000**
	PD blade Krone LSA Plus (standard)	1	**9014000000**
Note			

Crimp removal tools

Removal Tool CM3, CM5, 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 CM 3	1	**1866710000**
Removal Tool CM 5	1	**1866720000**
Removal Tool HD	1	**1866730000**

Removal Tool M20

Contact release tool for releasing crimp contacts in ConCept CM20 modules

Ordering data

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

Removal Tool HE

Contact release tool for ConCept HE modules, and for releasing crimp contacts in ConCept CM4 modules

Ordering data

Type	Qty	Order No.
Removal Tool HE	1	**1866750000**

HDC-DW RSV 1.6

Contact release tool for ConCept modules, 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**

HTX-HDC/POF

POF crimping

Crimping of fibre optic contacts „polymer optical fibre“ (POF).

- For plug and socket
- Ratchet for precise crimping.
- Unlocks in case of incorrect operation
- Locator for precise contact positioning

Contacts:
- Fibre-optic HD-contact socket for ø 1.0mm POF
- Fibre-optic HD-contact pin for ø 1.0mm 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.
PS LWL/POF	1	**9020390000**
PB LWL/POF	1	**9020400000**

AM LWL/POF

POF stripping

Stripping fibre-optic cables. Fibre-optic cables with polymer optical fibre (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**

Accessories

Type	Qty	Order No.
Spare stripping blades LWL-Stripax	1	**9003760000**

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

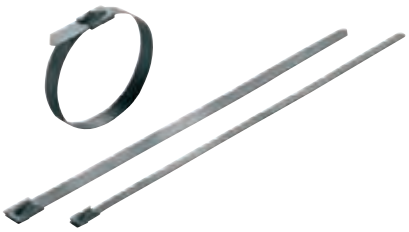
For plastic cable ties of 2.5...4.8 mm width and with a thickness of max. 1.6 mm.

- 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 automatic

For steel cable ties with a width of 4.6 mm

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



Technical data

		CABLE TIE TOOL RT-1	WSM TOOL AUTOMATIC
Length	mm	160	275
Weight	g	260	579
Note			

Ordering data

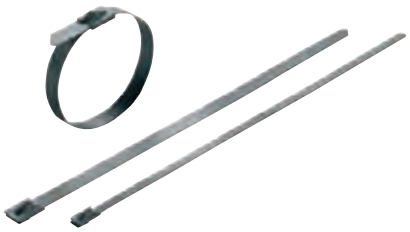
Version	Type	Qty	Order No.	Type	Qty	Order No.
	CABLE TIE TOOL RT-1	1	**1296000000**	WSM TOOL AUTOMATIK	1	**1774470000**
Note	For detailed information, refer to cable ties in the „Marking Systems“ catalogue.					

Cable tie tools

WSM tool manual

For steel cable ties with a width of 4.6 mm

- For tensioning steel cable ties. The surplus end is then broken off by twisting it 90°.



Technical data

		WSM TOOL MANUAL
Length	mm	220
Weight	g	633
Note		

Ordering data

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