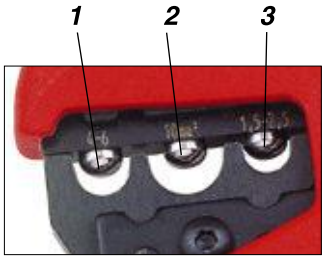
Crimping Pliers insulated EN60900

Designed to crimp insulated cable terminals and pre-insulated connectors. Can be used on live parts with voltage up to 1000V AC and 1500V DC.

Technical Characteristics:

- Handles and head of the crimper are totally protected by insulated material.
- Minimum strength required to operate
- One-hand operation
- With incorporated (openable) automatic lock to guarantee completion of the compression operation.
- Automatic opening on completion of compression.
- Suitable for low temperature use: -40°C





Model 2503 1010

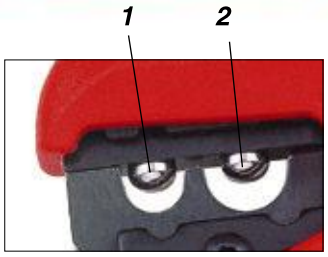
- Cross sections ranging: 1.5–2.5 / 4–6 / 10mm²
- Type of compression: spherical

Description	Order ref.	INT Id.	Insert cross section (mm²)			Type of compr.	Length	
			1	2	3			
Insulated Crimper EN60900	25031010	2503 101	4-6	10	1.5 - 2.5		280mm	approx 680
			AWG					
			12-10	8	16-14			

Modell 2503 1020

- Cross sections ranging: 10 / 16mm²
- Type of compression: spherical



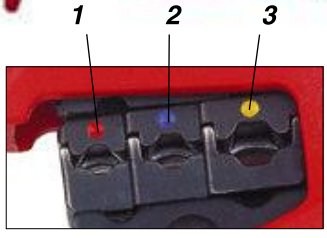


Description	Order ref.	INT Id.	Insert cross section (mm²)			Type of compr.	Length	
			1	2	–			
Insulated Crimper EN60900	25031020	2503 102	10	16	–		280mm	approx 680
			AWG					
			8	5	–			

Modell 2503 2010

- Cross sections ranging: 0.5–1 / 1.5–2.5 / 4–6mm²
- Type of compression: oval form





Description	Order ref.	INT-Id.	Insert cross section (mm²)			Type of compr.	Length	
			1	2	3			
Insulated Crimper EN60900	25032010	2503 201	0.5 - 1	1.5 - 2.5	4 - 6		250mm	approx 620
			AWG					
			20 - 18	16 - 14	12 - 10			

HZK7 – Mechanical Crimper for HRE-Connectors

Designed to crimp our HRE connectors for cross sections ranging from 6 to 16mm². Used in the road lighting sector.



Technical Characteristics:

- Single hand use
- Small force required ,compact dimensions
- Hexagonal compression components with DIN 48083 reference No. 7
- With incorporated (openable) automatic lock to guarantee completion of the compression
- Automatic opening on completion of compression

Description	Order ref.	INT Id.	Length	⚖
Mechanical Crimper for HRE-Connectors	25041004	HZK7	255mm	approx 570

HRE – Compression Connectors

HRE connectors are specifically designed to crimp single-solid wire conductors with cross sections ranging from 6 to 16mm² . HRE 16 connectors can be used both for multi-stranded 10mm² conductors and single-solid wire 16mm² conductors.



Order-ref.	INT-Id.	Section	Type of conductor	Material	Surface
PM6	25041006	6mm²	Round One wire (RE)	Copper	Tinned
PM10	25041010	10mm²	Round One wire (RE)	Copper	Raw
PM16	25041016	10 / 16mm²	Round Multi stranded (RM10) One wire (RE16)	Copper	Tinned

Compression Tool with Automatic Adjustment to cable cross-section

Technical Characteristics:

- Designed for square crimping of cable terminals with self adjustment for cross section.
- Full and precise crimping thanks to ratchet mechanism
- Integrated,safety lock to ensure the full crimping
- Mechanism opens automatically at end of crimping
- Ergonomic form and soft handle
- Minimum force requirement
- For cables between 0.08 - 10 mm²



Description	Order ref.	INT Id.	Length	⚖
Adaptive Pliers till 10mm²	25041005	2504 1	240mm	approx 330

Cable lug compression tool

- Self adjusting universal hand press tool for the application of insulated and non insulated cable lugs to DIN 46228
- Material: specially hardened burnished steel
- A clean four sided press pattern achieved by synchronous operation of the compression indents for cross sections 0.75 - 10 mm²
- A handy work tool with self adjustment to various cable lug sizes in just one profile.
- Compression stop point for maximum permissible compression.
- Adjustable compression values



Range of compression tools(without picture)

- Powder lacquered complete with the following six different sizes of cable lugs 100 pieces 1 mm²; 1.5 mm²; 2.5 mm²; 4 mm²; 6 mm²; 50 pieces 10 mm²

Description	Order ref.	⊢mm⊣	Range of compression	⚖
Cable lug compression tool	271600	180	automatic adjustment for cable 0.75 - 10 mm²	380
Selection of cable termination lugs (without cable lug compression tool)	710910	230 x 150		240

MPSF6 – Mechanical compression tool to assemble and dismantle connectors with external cone in SF6-System

Designed for assembly and disassembly of the connector for external cone terminals of MV cables operating at voltages from 12 to 36 kV.

Technical Characteristics:

- Mechanical tool with symmetrical operation
- Removable compression head
- Telescopic handles (350 - 560mm)
- Maximum stroke: 10mm
- Maximum threaded terminal travel: 30mm
- Compression force: 60kN
- Handgrip opening angle: 120°



MPSF6-lose



MPSF6-1

Range of application			
Head Size	**Voltage Range**	**Amperage**	**Cross section**
Terminal dies size 1	12kV,24kV,36kV	630A	25mm²-240mm²
Terminal dies size 1	12kV,24kV,36kV	800A	50mm²-300mm²
Terminal dies size 1	12kV,24kV,36kV,52kV	1250A	150mm²-630mm²

Description	Order ref.	INT Id.	Dimensions	⚖
Mechanic comp. tool for SF6 System Gr. 1 Set	25041001	MPSF6-1	570x155x75mm	approx 6,6 kg
Mechanic comp. tool for SF6 System Gr. 2 Set	25041002	MPSF6-2	570x155x75mm	approx 6,2 kg
Mechanic comp. tool for SF6 System Gr. 3 Set	25041003	MPSF6-3	630x155x95mm	approx 8,7 kg
Mechanic tool for SF6 System without terminals	25040000	MPSF6-lose	515x155x73mm	approx 2,2 kg
Metallic case for mechanic compression tool	25040006	BKMPSF6	530x190x105mm	approx 2,5 kg



Set Equipment:

- Mechanic compression tool
- Metallic case for manual hydraulic tool and the terminal dies



MKGR1

Description	Order ref.	INT Id.	Dimensions	⚖
Terminal dies size 1 SF6 System	25040001	MKGR1	125x65x65mm	approx 1.9 kg
Terminal dies size 2 SF6 System	25040002	MKGR2	125x65x65mm	approx 1.7 kg
Terminal dies size 3 SF6 System	25040003	MKGR3	185x95x95mm	approx 4 kg

HP45 – Manual Hydraulic Compression Tool 45kN (120mm²)

Designed to crimp terminals and connectors up to a maximum of 120 mm² cable cross section.

Technical Characteristics:

- Light and compact structure.
- Pump body in light alloy.
- Click action compression head, rotates 180°
- Automatic pressure limiter.
- Manual return at any position by turning the main handle
- Maximum stroke: 16mm
- Compression force: 45kN
- Operating pressure: 470bar (47MPa)



Image with crimping dies

Sector of use	max.
Hexagon crimping dies to DIN 48083 Cu	120mm²
Hexagon crimping dies to DIN 48083 Al	120mm²
Hexagon crimping dies to DIN 48083 Al/St	95/15mm²
Hexagon crimping dies for Cable shoe similar to DIN	120mm²
Round die for Al– and Cu– sector-shaped conductor	150mm²

Crimping dies see Page 202



HP45

Set-Equipment:

- Manual compression tool
- Plastic case for manual hydraulic tool and maximum 15 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 45kN	25644501	HP45	460x240x90mm	approx 3.5 kg

Crimping dies for HP45

Crimping dies according to DIN 48083
for connectors according to DIN 46235, DIN 46287, Cu, Al and Al/St

Order ref.	INT Id.	Code No.	Compr. width	Cross section (mm²) Copper tension free	Cross section (mm²) Copper full tension	Cross section (mm²) Aluminium tension free	Cross section (mm²) Aluminium full tension	Cross section (mm²) Aluminium Steel Al–sleeve	Cross section (mm²) Aluminium Steel St–sleeve
25694505	MK 5-45	5	5	6					
25694506	MK 6-45	6	5	10					16/2.5 25/4 35/6
25694507	U4-K7D MK 7-45	7	5						50/8
25694508	MK 8-45	8	5	16	10-16				
25694509	U4-K9D MK 9-45	9	5						70/12 95/15
25694510	U4-K10D MK 10-45	10	5	25	25				
25694511	MK 10B-45	10	7			10	10		
25694512	U4-K12D MK 12-45	12	5	35	35				
25694513	MK 12B-45	12	7			16–25	16–25	16/2.5 25/4	
25694514	U4-K14D MK 14-45	14	5	50	50				
25694515	U4-K14 MK 14B-45	14	7			35	35	35/6	
25694516	U4-K16D MK 16-45	16	5	70	70				
25694517	MK 16B-45	16	7			50	50	50/8	
25694518	U4-K18D MK 18-45	18	5	95					
25694519	U4-K18 MK 18B-45	18	7			70	70	70/12	
25694520	MK 20-45	20	5	120	95				
25694522	MK 22B-45	22	7			95–120	95	95/15	

Hexagon crimping dies for
cable lugs and connectors
made of Copper similar to DIN

Order-ref.	INT-Id.	Compr. width	Cross section (mm²)
25690006	MH 6-45	5	6
25690010	MH 10-45	5	10
25690016	MH 16-45	5	16
25690025	MH 25-45	5	25
25690035	MH 35-45	5	35
25690050	MH 50-45	5	50
25690070	MH 70-45	5	70
25690095	MH 95-45	5	95
25690120	MH 120-45	5	120

Round die to round off Copper and
Aluminium sector shaped conductor

Order-ref.	INT-ID.	Compr. width	Cross section (mm²) SE	Cross section (mm²) SM
25691010	UP 4.1-45	20		10
25691016	UP 5.1-45	20		16
25691025	UP 6.3-45	20	35	25
25691035	UP 7.5-45	20	50	35
25691050	UP 9.0-45	20	70	50
25691070	UP 10.5-45	20	95	70
25691095	UP 1.2.5-45	20	120	95
25691120	UP 14.0-45	20	150	120

Special dies on request

Plastic case for crimping dies

for 19 crimping dies 45kN – 60kN



Description	Order ref.	INT Id.	Dimensions	⚖
Plastic case for crimping dies	25600080	KKPE-45-50	250x170x50mm	approx 200

HP50 – Manual Hydraulic Compression tool 50kN (185mm²)

Designed to crimp terminals and connectors up to a maximum of 185 mm² cable cross sections.

Technical Characteristics:

- Light and compact structure.
- Pump body in light alloy.
- Click action compression head, rotates 180°
- Automatic pressure limiter.
- Manual return at any position by turning the main handle
- Maximum stroke: 16mm
- Compression force: 50kN
- Operating pressure: 520bar (52MPa)



Image with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	185mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St	150/25mm²
Hexagon crimping dies for Cable shoe similar to DIN	185mm²
Round die for Al– and Cu– sector-shaped conductor	240mm²

Crimping dies see Page 210



HP50

Set-Equipment:

- Manual compression tool
- Plastic case for manual hydraulic tool and maximum 15 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool Set	25645001	HP50	460x240x90mm	approx 3.7 kg

MP60-1 – Mechanical Compression Tool 60kN (185mm²)

Designed to crimp terminals and connectors up to a maximum of 185 mm² cable cross section.



Technical Characteristics:

- Light and compact structure.
- Adjustable telescopic handles (Overall length 580-830mm)
- C-head that can rotate 360°
- Max. stroke: 20mm
- Compression force: 60kN

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	185mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	185mm²
Round die for Al and Cu sector shaped conductor	185mm²
Thorn crimping dies for cable shoe to DIN 46234	95mm²
Oval crimping dies for H branch terminals	35mm²
Oval crimping dies for indent-connector DIN 48217 (Al/St rope)	120mm²
Trapezoid crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St Rope	120/20mm²
Cutting Jaws for armored Al/Cu Cable	Ø 16mm

Crimping dies see Page 210



MP60-1

Set Equipment:

- Mechanic compression tool
- Plastic case for manual hydraulic tool and crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Compr. tool C-head 60kN Set	25646001	MP60-1	610x310x55mm	approx 4.6 kg
Compr. tool C-head 60kN without case	25646011	MP60-1-lose	560x160x50mm	approx 2.9 kg
Plastic case for MP 60	25646081	KKMP60-1	710x227x100mm	approx 1.7kg
Opening spring for crimping dies	25646098	OEF1	–	approx 40 g

PP60-1 – Hydraulic Compression Head 60kN (240mm²)

Designed to crimp terminals and connectors up to a maximum of 240 mm² cable cross section.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact strucuture
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap
- Compression force: 60kN
- Max. stroke: 17mm
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	240mm²
Round die for Al and Cu sector shaped conductor	300mm²
Thorn crimping dies for cable shoe to DIN 46234	95mm²
Oval crimping dies for H branch terminals	35mm²
Oval crimping dies for indent-connector DIN 48217 (Al/St rope)	120mm²
Trapezoid crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St Rope	120/20mm²
Cutting Jaws for armored Al/Cu Cable	Ø 16mm

Crimping dies see Page 210



PP60-1

Set Equipment:

- Hydraulic Compression Head
- Plastic case for Compression head and maximum 18 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic Compression Head Set 60kN	25646101	PP60-1	330x260x75mm	approx 2.3 kg
Hydraulic Compression Head 60kN without case	25646111	PP60-1-lose	200x80x50mm	approx 1.5 kg
Plastic case for compression head and crimping dies	25646180	KKPP60-1/2	330x260x75mm	approx 600 g

HPI60-1 – Manual Hydraulic Compression Tool - 60kN (240mm²)

Designed to crimp terminals and connectors up to a maximum of 240 mm² cable cross section.

Technical Characteristics:

- Robust and compact construction
- Tiltable compression head , rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Pressure limiter
- Manual return in any position
- Max. stroke: 17mm
- Compression force: 60kN
- Operating pressure: 700bar (70MPa)

Die SetsSector of use	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	240mm²
Round die for Al– and Cu– sector-shaped conductor	300mm²
Thorn–crimping dies for cable shoe to DIN 46234	95mm²
Oval–crimping dies for H–branch terminals	35mm²
Oval–crimping dies for indent-connector DIN 48217 (Al/St rope)	120mm²
Trapezoid–crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St rope	120/20mm²
Cutting Jaws for armored Al/Cu cable	Ø 16mm

Crimping dies see Page 210



Picture with crimping dies



HPI60-1

Set Equipment:

- Hydraulic compression tool
- Plastic case for Compression head and maximum 12 crimping dies

INFO:

On request: Hydraulic tool API80-1 (Compression force 80kN).

Description	Order ref.	INT Id.	Dimensions	⚖
Manual Hydraulic Compression Tool 60kN Set	25646201	HPI60-1	630x270x100mm	approx 5 kg
Manual Hydr. Compression Tool 60kN without case	25646211	HPI60-1-lose	475x165x60mm	approx 3.3 kg
Plastic Case for Hydraulic Compression Tool	25646280	KKHP60-1	630x270x100mm	approx 1.7 kg

HPI60-1ISL – Manual Hydraulic Compression Tool – insulated 60kN (240mm²)

Designed to crimp terminals and connectors up to a maximum of 240 mm² cable cross sections.

Technical Characteristics:

- Tool head and body completely covered with insulating material (with the exception of the compression area)
- Handle in insulating plastic shock proof material
- Robust and compact construction
- Tiltable compression head , rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Pressure limiter
- Manual return in any position
- Max. stroke: 17mm
- Compression force: 60kN
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	240mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Thorn–crimping dies for cable shoe to DIN 46234	95mm²
Oval–crimping dies for H branch terminals	35mm²
Oval–crimping dies for indent-connector DIN 48217 (Al/St rope)	120mm²
Trapezoid–crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St rope	120/20mm²
Cutting Jaws for armored Al/Cu cable	Ø 16mm

Crimping dies see Page 210



HPI60-1ISL

Set Equipment:

- Hydraulic Compression Tool
- Plastic case for Compression tool and maximum 12 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual Hydr. Compression Tool 60kN Set insulated	25646301	HPI60-1ISL	630x270x100mm	approx 5.4 kg
Manual Hydr. Compression Tool 60kN without case	25646311	HPI60-1ISL-lose	490x155x60mm	approx 3.7 kg
Plastic Case for Hydraulic Compression Tool	25646280	KKHP60-1	630x270x100mm	approx 1.7 kg

API60-1 – Battery Operated Hydraulic Compression Tool 60kN (240mm²)

Designed to crimp terminals and connectors up to maximum 240mm².

Technical Characteristics:

- Light and compact structure
- Compression head with snap closure; rotates 270°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - Continuous battery state control with 10 LEDs (7 green + 2 orange + 1 red)
  - Multifunction LED (with three colours) for:
    - Control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - Control and visualisation of the next maintenance interval
    - fFult messages (for overload, over current, high temperature, etc)
- Compression force: 60kN
- Max. Stroke: 17mm



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	240mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	240mm²
Round die for Al and Cu sector shaped conductor	300mm²
Thorn crimping dies for cable shoe to DIN 46234	95mm²
Oval crimping dies for H branch terminals	35mm²
Oval crimping dies for indent connector DIN 48217 (Al/St rope)	120mm²
Trapezoid–crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St rope	120/20mm²
Cutting Jaws for armored Al/Cu cable	Ø 16mm

Crimping dies see Page 210



API60-1

SET Equipment:

- Battery-operated hydraulic compression tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories :

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

INFO:

On request: Hydraulic tool API80-1 (Compression force 80kN).

Equipment see Page 238

Description	Order ref.	INT Id.	Dimensions	⚖
Battery-operated hydr. compression tool 60kN Set	25646401	API60-1	610x400x140mm	approx 6 kg

API60-1ISL – Battery Operated Hydraulic Compression Tool 60kN (240mm²)

Designed to crimp terminals and connectors up to maximum 240mm².



Picture with crimping dies

Technical Characteristics:

- Light and compact structure
- Compression head with snap closure; rotates 270°
- Tool head and body completely covered with insulating material (with the exception of the compression area)
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - Continuous battery state control with 10 LEDs (7 green + 2 orange + 1 red)
  - Multifunction LED (with three colours) for:
    - Control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - Control and visualisation of the next maintenance interval
    - Fault messages (for overload, over-current, high temperature, etc)
- Compression force: 60kN
- Max. Stroke: 17mm

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	185mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	240mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Thorn crimping dies for cable shoe to DIN 46234	95mm²
Oval crimping dies for H branch terminals	35mm²
Oval crimping dies for indent connector DIN 48217 (Al/St rope)	120mm²
Trapezoid crimping dies for wire end sleeve	95mm²
Stripp off insert for Al/St rope	120/20mm²
Cutting Jaws for armored Al/Cu cable	Ø 16mm

Crimping dies see Page 210



API60-1ISL

SET Equipment:

- Battery-operated hydraulic cutting tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories :

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

Equipment see Page 238

Description	Order-ref.	INT-Id.	Dimensions	⚖
Battery operated hydr. compr. tool 60kN Set insulated	25646501	API60-1ISL	610x400x140mm	approx 6.5 kg

Crimping dies for HP50, *MP60-1, PP60–1, HPI60–1, API60–1, API60–1ISL, HP80-1, AP80-1

Crimping dies according to DIN 48083 for
connectors according to DIN 46235, DIN 46287, Cu, Al and Al/St



Order ref.	INT Id.	Code No	Compr. width	Cross section (mm²) Copper tension free	Cross section (mm²) Copper full tension	Cross section (mm²) Aluminium tension free	Cross section (mm²) Aluminium full tension	Cross section (mm²) Aluminium–Steel Al Sleeve	Cross section (mm²) Aluminium–Steel St Sleeve
25695505	MK 5-50	5	5	6					
25695506	MK 6-50	6	5	10					16/2.5 25/4 35/6
25695507	MK 7-50	7	5						50/8
25695508	MK 8-50	8	5	16	10–16				
25695509	MK 9-50	9	5						70/12 95/15
25695510	MK 10-50	10	5	25	25				
25695530	MK 10B-50	10	7			10			
25695511	MK 11-50	11	5						25
25695512	MK 12-50	12	5	35	35				
25695532	MK 12B-50	12	7			16–25	16–25	16/2.5 25/4	
25695513	U5-K13D MK 13-50	13	5						120/20 150/25
25695514	U5-K14D MK 14-50	14	5	50	50				
25695515	U5-K14 MK 14B-50	14	7			35	35	35/6	
25695516	MK 16-50	16	5	70	70				
25695517	MK 16B-50	16	7			50	50	50/8	
25695518	U5-K18D MK 18-50	18	5	95					
25695519	U5-K18 MK 18B-50	18	7			70	70	70/12	
25695520	U5-K20D MK 20-50	20	5	120	95				
25695521	MK 20B-50	20	7	120	95				
25695522	U5-K22D MK 22-50	22	5	150	120				
25695523	MK 22B-50	22	7			95–120	95	95/15	
25695525	MK 25-50	25	5	185	150				
25695526	MK 25B-50	25	7			150	120	44/32 50/30 120/20	
25695527	MK 27B-50	27	7						
25695528	MK 28-50[1)]	28	5	240	185				
25695529	MK 28B-50	28	7			185	150–185	125/30 150/25	

Hexagon crimping dies for cable lugs and connectors made of copper similar to DIN



Order ref.	INT Id.	Compr. width	Cross section (mm²)
25692006	MH 6-50	5	6
25692010	MH 10-50	5	10
25692016	MH 16-50	5	16
25692025	MH 25-50	5	25
25692035	MH 35-50	5	35
25692050	MH 50-50	5	50
25692070	MH 70-50	5	70
25692095	MH 95-50	5	95
25692120	MH 120-50	5	120
25692150	MH 150-50	5	150
25692185	MH 185-50	5	185
25692240	MH 240-50[1)]	5	240

Round dies to round off copper and aluminium sector shaped conductor



Order-ref.	INT-Id.	Compr. width	Cross section (mm²) SE	Cross section (mm²) SM
25693010	UP 4.1-50	20		10
25693016	UP 5.1-50	20		16
25693025	UP 6.3-50	20	35	25
25693035	UP 7.5-50	20	50	35
25693050	UP 9.0-50	20	70	50
25693070	UP 10.5-50	20	95	70
25693095	UP 12.5-50	20	120	95
25693120	UP 14.0-50	20	150	120
25693150	UP 15.7-50	20	185	150
25693185	UP 17.5-50	20	240	185
25693240	UP 20.2-50[1)]	20	300	240

Strip off insert to strip off ASCR



Order ref.	INT Id.	Cross section (mm²)
25694025	Al-St 25/4-50	25/4
25694035	Al-St 35/6-50	35/6
25694050	Al-St 50/8-50	50/8
25694070	Al-St 70/12-50	70/12
25694095	Al-St 95/15-50	95/15
25694120	Al-St 120/20-50	120/20

Thorn–crimping dies for fine wire conductors



Order ref.	INT Id.	Cross section (mm²)
25695010	MDF 10-50	10
25695016	MDF 16-50	16
25695025	MDF 25-50	25
25695035	MDF 35-50	35
25695050	MDF 50-50	50

Cutting jaw for Al and Cu Cable

Order-ref.	INT-Id.	Application
25695017	MS16	Cutting insert to cut aluminium and copper (also armored) up to diameter of- 16mm

[1)] **not for HP50 und MP60–1**

*** For the compression tool MP60-1 Opening spring (Order ref. OEF1) is also required.**

Crimping dies for HP50, *MP60–1, PP60–1, HPI60–1, API60–1, API60–1ISL, HP80-1, AP80-1

Oval crimping dies for notch connector

Cu–Conductor Order ref.	INT Id.	Al–Conductor Order ref.	INT Id.	Al–Steel–rope Order ref.	INT Id.	Cross section (mm²)
25696010	MKO 10-50 Cu					10
25696016	MKO 16-50 Cu					16
25696025	MKO 25-50 Cu	25696026	MKO 25-50 Al			25
						35/6
25696036	MKO 35-50 Cu	25696037	MKO 35-50 Al			35
25696050	MKO 50-50 Cu	25696053	MKO 50-50 Al			50
				25696051	MKO 50/8-50	50/8
				25696052	MKO 50/30-50	50/30
25696070	MKO 70-50 Cu	25696072	MKO 70-50 Al			70
				25696071	MKO 70/12-50	70/12
25696095	MKO 95-50Cu	25696096	MKO 95-50 Al			95
25696120	MKO 120-50 Cu	25696121	MKO 120-50 Al			120

Trapezoid crimping dies for wire end sleeve

Order ref.	INT- d.	Compress width	Cross sect (mm²)
25698010	MTT 10-50	20	10
25698016	MTT 16-50	20	16
25698025	MTT 25-50	20	25
25698035	MTT 35-50	20	35
25698050	MTT 50-50	20	50
25698070	MTT 70-50	20	70
25698095	MTT 95-50	20	95

Oval Crimping dies for the compression of compression dead-ends and oval connectors according to DIN 48217 and H branch terminals

Order-ref.	INT-Id.	Compr. width	Cross Section (mm²) Dead end clamps and oval connectors Cu	Al	St	H–Clamp Cu
25697007	MO 7-50	5	6RE			
25697008	MO 8-50	5	10RE			
25697010	MO 10-50	5	10RM/16RE			6–10/6–10
25697012	MO 12-50	5	16	16		
25697016	MO 16-50	5	25	25		16/6–16
25697018	MO 18-50	5	35	35	35	25/6–25
25697020	MO 20-50	5	50	50	50	
25697021	MO 21-50	5				35/10–35
25697022	MO 22-50	5	70	70	70	
25697024	MO 24-50	5	95	95		
25697026	MO 26-50	5		120		

Mandrel crimping dies for fork terminals according to DI N 46243

Order ref.	INT Id.	Cross sec (mm²)
25699010	MD 10-50	10
25699016	MD 16-50	16
25699025	MD 25-50	25
25699035	MD 35-50	35
25699050	MD 50-50	50
25699070	MD 70-50	70
25699095	MD 95-50	95

Special dies on request

***Opening spring (Order -ref. OEF1) must be ordered too if ordering dies for the MP60-1**

Adapter for Crimping Dies 45kN

this adapter allows use of all dies for the manual tool HP45 on models HP50, HP60 and MP60 .



Description	Order ref.	INT Id.	⚖
Adapter for Crimping dies 45kN	25695000	AD50-45	approx 50 g

Plastic case for crimping dies

for hydraulic tools 45kN – 60kN



Description	Order ref.	INT Id.	Dimensions	⚖
Plastic case	25600080	KKPE-45-50	250x170x50mm	approx 200 g

MP60-2 – Mechanical Compression Tool 60kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Light and robust structure
- Telescopic handles adjustable from 560 to 860 mm
- Tiltable compression head , rotates 360°
- Max. stroke: 19mm
- Compression force: 60kN



Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	240mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	240mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	120mm²

Crimping dies see Page 216



MP60-2

Picture with crimping dies

Set Equipment:

- Mechanic Compression Tool
- Plastic case for compression tool and crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Mechanic Compression Tool 60kN Set	25646601	MP60-2	610x310x55mm	approx 5.1 kg
Mechanic Compression Tool 60kN without case	25646611	MP60-2-lose	560x160x50mm	approx 3.4 kg
Plastic Case for MP60	25646080	KKMP60-2	610x310x55mm	approx 1.7 kg

PP60-2 – Hydraulic Compression Head 60kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make automatic lock connection and non detachable dust cap
- Max. Stroke: 17mm
- Compression Force: 60kN
- Operating pressure: 700bar (70 MPa)



Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	240mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	240mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	120mm²

Crimping dies see Page 217

Picture with crimping dies



PP60-2

Set-Equipment:

- Hydraulic Compression Head
- Plastic case for Compression head and maximum 18 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic Compression Head Set 60kN	25646701	PP60-2	330x260x75mm	approx 3.4 kg
Hydraulic Compression Head 60kN without case	25646711	PP60-2-lose	270x95x60mm	approx 2.8 kg
Plastic case for compression head and crimping dies	25646180	KKPP60-1/2	330x260x75mm	approx 600 g

HPI60-2 – Manual Hydraulic Compression Tool 60kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Robust and compact construction
- Tiltable compression head , rotates 270°
- Quick feed with double hydraulic cylinder
- Easy to actuate pressure release device, activated at any position
- Max. stroke: 17mm
- Compression force: 60kN
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Sector of use	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	70mm²
Thorn crimping dies for cable shoe to DIN 46234	50mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 216



HP60-2

Set-Equipment:

- Hydraulic Compression Head
- Metal case for compression tool

Description	Order ref.	INT Id.	Dimensions	⚖
Manual Hydraulic Compression Tool 60kN Set	25646801	HPI60-2	700x260x105mm	approx 6 kg
Manual Hydr. Compression Tool 60kN without case	25646811	HPI60-2-lose	470x155x60mm	approx 3.3 kg
Metallic Case for HP60	25646880	BKHP60-2	700x260x105mm	approx 2.5 kg

API60-2 – Battery Operated Hydraulic Compression Tool 60kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.



Picture with crimping dies

Technical Characteristics:

- Light and compact structure
- Compression head with snap closure; rotates 270°
- High speed feed with double hydraulic cylinder
- Pressure release button with single-handed operation (on both sides, for left and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - continuous battery state control with 10 LEDs (7 green + 2 orange + 1 red)
  - Multifunction LED (with three colours) for:
    - Control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - Control and visualisation of the next maintenance interval
    - Fault messages (for overload, over-current, high temperature, etc)
- Compression force: 60kN
- Max. Stroke: 20mm

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al– and Cu– sector-shaped conductor	300mm²
Oval–crimping dies for C–branch terminals	50mm²
Thorn–crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid–crimping dies for wire end sleeve	150mm²
Oval–crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 216



API60-2

SET Equipment:

- Battery-operated hydraulic cutting tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories :

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

Equipment see Page 238

Description	Order ref.	INT Id.	Dimensions	⚖
Battery operated hydr. compr. tool 60kN Set	25646901	API60-2	610x400x140mm	approx 6.5 kg

Crimping dies for MP60–2, PP60–2, HP60–2, API60–2

Crimping dies according to DIN 48083 for
connectors according to DIN 46235, DIN 46287, Cu, Al and Al/St



Order ref.	INT Id.	Code No.	Compr. width	Cross section (mm²) Copper tension free	Cross section (mm²) Copper full tension	Cross section (mm²) Aluminium tension free	Cross section (mm²) Aluminium full tension	Cross section (mm²) Aluminium–Steel Al–Hülse	Cross section (mm²) Aluminium–Steel St–Hülse
25686005	MK 5-CK	5	5	6					
25686006	MK 6-CK	6	5	10					16/2.5 25/4 35/6
25686007	MK 7-CK	7	5						50/8
25686008	MK 8-CK	8	5	16	10-16				
25686009	MK 9-CK	9	5						70/12 95/15
25686010	MK 10-CK	10	5	25	25				
25686011	MK 10B-CK	10	7			10	10		
25686012	MK 12-CK	12	5	35	35				
25686030	MK 12B-CK	12	7			16–25	16–25	16/2.5 25/4	
25686013	MK 13-CK	13	5						120/20 150/25
25686014	MK 14-CK	14	5	50	50				
25686015	MK 14B-CK	14	7			35	35	35/6	
25686016	MK 16-CK	16	5	70	70				
25686017	MK 16B-CK	16	7			50	50	50/8	
25686018	MK 18-CK	18	5	95					
25686019	MK 18B-CK	18	7			70	70	70/12	
25686020	MK 20-CK	20	5	120	95				
25686022	MK 22-CK	22	5	150	120				
25686023	MK 22B-CK	22	7			95–120	95	95/15	
25686025	MK 25-CK	25	5	185	150				
25686026	MK 25B-CK	25	7			150	120	44/32 50/30 120/20	
25686028	MK 28-CK	28	5	240	185				
25686029	MK 28B-CK	28	7			185	150–185	125/30 150/25	
25686032	MK 32-CK	32	5			240			
25686034	MK 34B-CK	34	5			300			

Hexagon crimping dies for
cable shoes and connectors
made of copper similar to DIN



Order ref.	INT Id.	Comp. width	Cross section (mm²)
25682006	MH 6-CK	5	6
25682010	MH 10-CK	5	10
25682016	MH 16-CK	5	16
25682025	MH 25-CK	5	25
25682035	MH 35-CK	5	35
25682050	MH 50-CK	5	50
25682070	MH 70-CK	5	70
25682095	MH 95-CK	5	95
25682120	MH 120-CK	5	120
25682150	MH 150-CK	5	150
25682185	MH 185-CK	5	185
25682240	MH 240-CK	5	240
25682300	MH 300-CK	5	300

Round dies to round off copper and
aluminium sector-shaped conductor



Order ref.	INT Id.	Comp. width	Cross section (mm²) SE	Cross section (mm²) SM
25683010	UP 4.1-CK	19,5		10
25683016	UP 5.1-CK	19,5		16
25683025	UP 6.3-CK	19,5	35	25
25683035	UP 7.5-CK	19,5	50	35
25683050	UP 9.0-CK	19,5	70	50
25683070	UP 10.5-CK	19,5	95	70
25683095	UP 12.5-CK	19,5	120	95
25683120	UP 14.0-CK	19,5	150	120
25683150	UP 15.7-CK	19,5	185	150
25683185	UP 17.5-CK	19,5	240	185
25683240	UP 20.2-CK	19,5	300	240

Crimping dies for MP60–2, PP60–2, HP60–2, API60–2

Oval crimping dies for the compression of compression dead ends and oval connectors according to DIN 48217 and H branch terminals



Order ref.	INT Id.	Comp. width	Cross Section (mm²) Crimpends and oval crimp terminators	
			Cu	Al
25686110	MO 10-CK	5	10	10
25686116	MO 16-CK	5	16	16
25686125	MO 25-CK	5	25	25
25686135	MO 35-CK	5	35	35
25686150	MO 50-CK	5	50	50
25686170	MO 70-CK	5	70	70

Mandrel crimping dies for fine wire conductors



Order ref.	INT- d.	Cross Section (mm²)
25685110	MDF 10-CK	10
25685116	MDF 16-CK	16
25685125	MDF 25-CK	25
25685135	MDF 35-CK	35
25685150	MDF 50-CK	50
25685170	MDF 70-CK	70

Trapezoid–crimping dies for wire end sleeve



Order-ref.	INT-Id.	Comp. width	Cross section (mm²)
25688010	MTT 10-CK	20	10
25688016	MTT 16-CK	20	16
25688025	MTT 25-CK	20	25
25688035	MTT 35-CK	20	35
25688050	MTT 50-CK	20	50
25688070	MTT 70-CK	20	70
25688095	MTT 95-CK	20	95
25688120	MTT 120-CK	20	120
25688150	MTT 150-CK	20	150

Mandrel–crimping dies for fork terminals to DIN 46234



Order ref.	INT Id.	Cross section (mm²)
25685010	MD 10-CK	10
25685016	MD 16-CK	16
25685025	MD 25-CK	25
25685035	MD 35-CK	35
25685050	MD 50-CK	50
25685070	MD 70-CK	70

Plastic case for crimping dies

60kN tools – C-Form



Description	Order ref.	INT Id.	Dimensions	⚖
Plastic Case for 24 crimping dies	25600081	KKPE-C-CK	410x360x110mm	approx 1.6 kg

PP130–C – Hydraulic Compression Head 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- C head for easy positioning of dies
- Quick male automatic lock connection and non detachable dust cap
- Max. Stroke: 30mm
- Head opening: 29mm
- Compression Force: 130kN
- Operating pressure: 700bar (70 MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	30mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	240/40mm²
Hexagon crimping dies for fork terminal similar to DIN	400mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	70mm²
Cutting Jaws for armored Al/Cu Cable	Ø 16mm

Crimping dies see Page 228



PP130-C

Set Equipment:

- Hydraulic Compression Head
- Plastic case for Compression head and maximum 14 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic Compression head 130kN Set	25641301	PP130-C	410x360x135mm	approx 5.9 kg
Hydraulic Compression head 130kN without case	25641311	PP130-C-lose	260x125x80mm	approx 4.1 kg
Plastic case	25641380	KKPP130-HC	410x360x135mm	approx 1.6 kg

PP130–C2 – Hydraulic Compression Head 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- C head for easily positioning the dies
- Quick male automatic lock connection and non detachable dust cap
- Max. Stroke: 38mm
- Head opening: 38mm
- Compression Force: 130kN
- Operating pressure: 700bar (70 MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 228



PP130-C2

Set-Equipment:

- Hydraulic Compression Head
- Plastic case for Compression head and maximum 14 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic Compression head 130kN Set	25641401	PP130-C2	410x360x135mm	approx 6.5 kg
Hydraulic Compression head 130kN without case	25641411	PP130-C2-lose	280x120x70mm	approx 4.7 kg
Plastic case	25641380	KKPP130-HC	410x360x135mm	approx 1.6 kg

HPI130–C – Manual Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Light and compact structure
- C head for easily positioning the dies, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Pressure limiter
- Manual return in any position
- Compression force: 130kN
- Max. stroke: 30mm
- Head opening: 29mm
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Sector of use	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 228



HPI130-C

Set-Equipment:

- Hydraulic Compression tool
- Plastic case for Compression head and maximum 9 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 130kN Set	25641501	HPI130-C	705x270x100mm	approx 8.2 kg
Manual hydr. compression tool 130kN without case	25641511	HP130-C-lose	580x150x80mm	approx. 6.4 kg
Plastic case	25641580	KKHP130-C	705x270x100mm	approx 1.6 kg

HP130–C3 – Manual Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Light and compact structure
- Pump body of light weight alloy
- C-Form compression head for easy insertion of dies. Rotates 180°
- Quick feed with double hydraulic cylinder
- Pressure limiter
- Manual return in any position
- Compression force: 130kN
- Max. stroke: 29mm
- Head opening: 29mm
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 228



HP130-C3

Set Equipment:

- Hydraulic Compression tool
- Plastic case for Compression head and maximum 16 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 130kN Set	25641601	HP130-C3	830x280x110mm	approx 7.7 kg
Manual hydr. compression tool 130kN without case	25641611	HP130-C3-lose	536x220x85mm	approx 5.4 kg
Plastic case	25641680	KKHP130-C3	830x280x110mm	approx 2.1 kg

API130-C – Battery Operated Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.



Picture with crimping dies

Technical Characteristics:

- Light and compact structure
- C-Form Compression head with snap closure; rotates 270°
- High speed feed with double hydraulic cylinder
- Pressure release button with single-handed operation (on both sides, for left and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - Continuous battery state control with 10 LEDs (7 green + 2 orange + 1 red)
  - Multifunction LED (with three colours) for:
    - Control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - Control and visualisation of the next maintenance interval
    - Fault messages (for overload, over-current, high temperature, etc)
- Compression force: 130kN
- Head opening: 29mm
- Max. stroke: 30mm

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	300mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	240/40mm²
Hexagon crimping dies for fork terminal similar to DIN	400mm²
Round die for Al and Cu sector shaped conductor	300mm²
Oval crimping dies for C branch terminals	150mm²
Thorn crimping dies for cable shoe to DIN 46234	150mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 228



API130-C

SET Equipment:

- Battery-operated hydraulic cutting tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories (see page 44):

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

Equipment see Page 238

Description	Order ref.	INT Id.	Dimensions	⚖
Battery operated hydr. compr. tool 130kN Set	25641701	API130-C	610x400x140mm	approx 9 kg

API130-C2 – Battery Operated Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.



Technical Characteristics:

- Light and compact structure
- C-Form Compression head with snap closure; rotates 270°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - Continuous battery state control with 10 LEDs (7 green + 2 orange + 1 red)
  - Multifunction LED (with three colours) for:
    - Control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - Control and visualisation of the next maintenance interval
    - Fault messages (for overload, over-current, high temperature, etc)
- Compression force: 130kN
- Head opening: 38mm
- Max. stroke: 38mm

CE

Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	70mm²

Crimping dies see Page 228



API130-C2

SET Equipment:

- Battery-operated hydraulic cutting tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories (see page 44):

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

Equipment see Page 238

Description	Order-ref.	INT-Id.	Dimensions	⚖
Battery operated hydr. compr. tool 130kN Set	25641801	API130-C2	610x400x140mm	approx 9.5 kg

PP130–H – Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to 300mm² cable cross sections. The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- H-head for easily positioning the dies
- Quick make automatic-lock connection and non detachable dust cap
- Max. Stroke: 30mm
- Head opening: 35mm
- Compression Force: 130kN
- Operating pressure: 700bar (70 MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent-connector to DIN 48217	70mm²

Crimping dies see Page 228



PP130–H

Set-Equipment:

- Hydraulic Compression Head
- Plastic case for Compression head and maximum 14 crimping dies



Adapters and punch for deep throat compression

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 130kN Set	25641901	PP130-H	410x360x135mm	approx 5.2 kg
Manual hydr. compression tool 130kN without case	25641911	PP130-H-lose	270x80x70mm	approx 3.4 kg
Plastic case	25641380	KKPP130-HC	410x360x135mm	approx 1.6 kg

HPI130–H – Manual Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Robust and compact structure
- Compression H-head ; rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Pressure limiter
- Manual return in any position
- Compression force: 130kN
- Max. stroke: 30mm
- Head opening: 29mm
- Operating pressure: 700bar (70MPa)

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	240mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	150/25mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	70mm²

Crimping dies see Page 228



HPI130-H



Picture with crimping dies

Set-Equipment:

- Hydraulic Compression Tool
- Plastic case for Compression head and maximum 11 crimping dies

Adapter and die holder on request

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 130kN Set	25641201	HPI130-H	710x270x100mm	approx 7.4 kg
Manual hydr. compression tool 130kN without case	25641211	HPI130-H-lose	580x155x70mm	approx 5.5 kg
Plastic case	25641280	KKHP130-H	710x270x100mm	approx 1.7 kg

HP130–H3 – Manual Hydraulic Compression Tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.

Technical Characteristics:

- Robust and compact structure
- Pump body in light metal
- Compression H-head ; rotates 180°
- Quick feed with double hydraulic cylinder
- Pressure limiter
- Deep throat compression possible
- Manual return in any position
- Compression force: 130kN
- Max. stroke: 30mm
- Head opening: 35mm
- Operating pressure: 700bar (70MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	300mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	240/40mm²
Hexagon crimping dies similar to DIN	400mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Thorn crimping dies for cable shoe to DIN 46234	150mm²
Oval crimping dies for H branch terminals, double cable shoe	120mm²
Oval crimping dies for compression dead-ends, oval	185mm²
Trapezoid crimping dies for wire end sleeve	185mm²
Strip off insert for Aluminium/Steel ropes	265/35mm²

Crimping dies see Page 228



HP130-H3

Set-Equipment:

- Hydraulic Compression Tool
- Plastic case for Compression head and maximum 16 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Manual hydraulic compression tool 130kN Set	25641101	HP130-H3	830x280x110mm	approx 5.9 kg
Manual hydr. compression tool 130kN without case	25641111	HP130-H3-lose	540x160x75mm	approx 5.6 kg
Plastic case	25641180	KKHP130-H3	830x280x110mm	approx 2.1 kg

API130-H – Battery Operated Hydraulic Compression tool 130kN (300mm²)

Designed to crimp terminals and connectors up to a maximum of 300 mm² cable cross sections.



Picture with crimping dies

Technical Characteristics:

- Light and compact structure
- Compression head with snap closure; rotates 270°
- Tool head and body completely covered with insulating material (with the exception of the compression area)
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Rotating plastic grip between the device body and head, for easy and safe handling in any working position
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool for the following functions and messages:
  - • continuous battery state control with 10 Leds (7 green + 2 orange + 1 red)
  - • multifunction Led (with three colours) for:
    - – control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
    - – control and visualisation of the next maintenance interval
    - – fault messages (for overload, over-current, high temperature, etc)
- Compression force: 130kN
- Head opening: 35mm
- Max. stroke: 30mm

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	300mm²
Hexagon crimping dies to DIN 48083 Al	300mm²
Hexagon crimping dies to DIN 48083 Al/St.	240/40mm²
Hexagon crimping dies for fork terminal similar to DIN	300mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for C branch terminals	50mm²
Thorn crimping dies for cable shoe to DIN 46234	70mm²
Trapezoid crimping dies for wire end sleeve	150mm²
Oval crimping dies for indent connector to DIN 48217	70mm²

Crimping dies see Page 228



API130-H

SET Equipment:

- Battery-operated hydraulic cutting tool
- 14.4V/2.6Ah Ni-MH - battery - RA6
- Battery charger - LG6
- Handy grip for safe transport
- Rigid case
- Shoulder strap

Optional Accessories (see page 44):

- 14.4V/3.0Ah Ni-MH - battery - RA7
- 14.4V/3.6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- Quick battery charger with optical signal - LG5
- Cigar-lighter battery charger - LGZ

Equipment see Page 238

Description	Order ref.	INT Id.	Dimensions	⚖
Battery operated hydr. compr. tool 130kN Set	25641001	API130-H	610x400x140mm	approx 8.5 kg

Crimping Dies for PP130, HP130, AP130

Hexagon crimping dies according to DIN 48083
for connectors according to DIN 46235, Cu, Al and Al/St



Order ref.	INT Id.	Code No	Compr.width	Cross section (mm²) Copper tension free	Cross section (mm²) Copper fulltension	Cross section (mm²) Aluminium stranded tension free	Cross section (mm²) Aluminium stranded full tension	Cross section (mm²) Aluminium–Steel Al–Sleeve	Cross section (mm²) Aluminium–Steel St–Sleeve
25671306	MK 6-C	6	5	10					16/2.5 25/4 35/6
25671307	MK 7-C	7	5						50/8
25671308	MK 8-C	8	14	16	10–16				
25671309	MK 9-C	9	5						70/12 95/15
25671310	MK 10-C	10	14	25	25				
25671312	MK 12-C	12	14	35	35	16–25	16–25	16/2.5 25/4	
25671313	U13-K13D MK 13-C	13	12						120/20 150/25
25671314	MK 14-C	14	14	50	50	35	35	35/6	
25671315	MK 15-C	15	12						44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40
25671316	MK 16-C	16	14	70	70	50	50	50/8	
25671317	MK 17-C	17	12						210/50 300/50 380/50 510/45 560/50 650/45
25671318	MK 18-C	18	14	95		70	70	70/12	
25671319	U13-K19D MK 19-C	19	12						95/55 435/55
25671320	MK 20-C	20	14	120	95				
25671322	U13-K22D MK 22-C	22	14	150	120	95–120	95		
25671325	MK 25-C	25	14	185	150	150	120	44/32 50/30 120/20	
25671328	MK 28-C	28	7	240					
25671329	MK 28L-C	28	14			185	150/185	125/30 150/25	
25671330	U13-K30D MK 30-C	30	7		185				
25671331	MK 30L-C	30	14					95/55 170/40 185/30	
25671332	U13-K32D MK 32-C	32	7	300		240			
25671333	MK 32L-C	32	17			240			
25671334	MK 34L-C	34	17			300	240	105/75 120/70 210/35 210/50 230/30 240/40	

Thorn crimping dies for cable shoes according to DIN 46234



Order ref.	INT Id.	Cross section (mm²)
25670016	MD 16-C	16
25670025	MD 25-C	25
25670035	MD 35-C	35
25670050	MD 50-C	50
25670070	MD 70-C	70
25670095	MD 95-C	95
25670120	MD 120-C	120
25670150	MD 150-C	150

Thorn crimping dies for fine wire conductors



Order ref.	INT Id.	Cross section (mm²)
25671016	MDF 16-C	16
25671025	MDF 25-C	25
25671035	MDF 35-C	35
25671050	MDF 50-C	50
25671070	MDF 70-C	70
25671095	MDF 95-C	95
25671120	MDF 120-C	120
25671150	MDF 150-C	150

On request: ***• periodic calibration of DIN-crimping dies with test certificate***

Crimping dies for PP130, HP130, AP130

Hexagon crimping dies for cable shoes and connectors made of copper similar to DIN



Order ref.	INT Id.	Compression width	Cross section (mm²)
25674010	MH 10-C	8	10
25674016	MH 16-C	8	16
25674025	MH 25-C	10	25
25674035	MH 35-C	14	35
25674050	MH 50-C	14	50
25674070	MH 70-C	14	70
25674095	MH 95-C	14	95
25674120	MH 120-C	14	120
25674150	MH 150-C	14	150
25674185	MH 185-C	14	185
25674240	MH 240-C	14	240
25674300	MH 300-C	7	300
25674400	MH 400-C	7	400

Trapezoid crimping dies for wire end sleeve



Order ref.	INT Id.	Compression width	Cross section (mm²)
25678016	MTT 16-C	20	16
25678025	MTT 25-C	20	25
25678035	MTT 35-C	20	35
25678050	MTT 50-C	26	50
25678070	MTT 70-C	26	70
25678095	MTT 95-C	26	95
25678120	MTT 120-C	26	120
25678150	MTT 150-C	26	150
25678185	MTT 185-C	26	185

Oval Crimping dies for the compression of compresion dead-ends and oval connectors according to DIN 48217 and H branch terminals



Order ref.	INT Id.	Comp. width	Cross sections (mm²) Dead end clamps and oval Connectors Cu	Al	St	H–Clamp Cu
25676010	MO 10-C	5	10	10		
25676012	MO 12-C	5	16	16		
25676016	MO 16-C	5	25	25		16
25676018	MO 18-C	5	35	35	35	25
25676020	MO 20-C	5	50	50	50	
25676021	MO 21-C	5				35
25676022	MO 22-C	5	70	70	70	
25676024	MO 24-C	5	95	95		
25676025	MO 25-C	5			95	
25676026	MO 26-C	5	120	120		

Strip off insert to strip off Aluminium Steel Ropes



Order ref.	INT Id.	Cross section (mm²)
25679050	Al–St 50/8-C	50/8
25679051	Al–St 50/30-C	50/30
25679070	Al–St 70/12-C	70/12
25679095	Al–St 95/15-C	95/15
25679096	Al–St 95/55-C	95/55
25679120	Al–St 120/20-C	120/20
25679150	Al–St 150/25-C	150/25
25679170	Al–St 170/40-C	170/40
25679185	Al–St 185/30-C	185/30
25679210	Al–St 210/35-C	210/35
25679240	Al–St 240/40-C	240/40
25679265	Al–St 265/35-C	265/35

Round dies to round off copper and aluminium sector shaped conductor



Order ref.	INT Id.	Comp. width	Cross section (mm²) se	sm
25673010	UP 4,1-C	35	–	10
25673016	UP 5,1-C	35	–	16
25673025	UP 6,3-C	35	35	25
25673035	UP 7,5-C	35	50	35
25673050	UP 9,0-C	35	70	50
25673070	UP 10,5-C	35	95	70
25673095	UP 12,5-C	35	120	95
25673120	UP 14,0-C	35	150	120
25673150	UP 15,7-C	35	185	150
25673185	UP 17,5-C	35	240	185
25673240	UP 20,2-C	35	300	240
25673300	UP 22,5-C	35		300

Oval crimping dies for H branch terminals

Order ref.	INT Id.	Cross section(mm²)	Comp.width (mm²)
25672050	MRH22-C	2 x 50	30
25672070	MRH26-C	2 x 70	30
25672085	MRH30-C	2 x 95	30
25672120	MRH32-C	2 x 120	30

Oval crimping dies for twin cable lugs

Order-ref.	INT-Id.	Cross section(mm²)	Comp.width(mm²)
25675050	MRD22-C	2 x 50	12
25675070	MRD24-C	2 x 70	12
25675095	MRD29-C	2 x 95	12
25675120	MRD32-C	2 x 120	12

Female die holding fixture

AD130-H
AD13-C



for crimping dies C-Form





Deep throat compression

AD13-150
AD13-240

Description	Order-ref.	INT-Id.	for crimping dies	⚖
Femal die holding fixture C-form	25677130	AD130-H	C-Form	approx 350
Femal die holding fixture C-form	25677131	AD13-C*	C-Form	approx 470
Femal die holding fixture Tiefnut	25677150	AD13-150	Deep slot crimping	approx 450
Femal die holding fixture Tiefnut	25677240	AD13-240	Deep slot crimping	approx 335

only for HP130-H3

Plastic case for crimping dies

for 24 crimping dies 130kN



Description	Order ref.	INT Id.	Dimensions	⚖
Plastic case for crimping dies	25600081	KKPE-C-CK	410x360x110mm	approx 1.6 kg

Plastic case for crimping dies

for crimping dies deep slot crimping



Description	Order ref.	INT Id.	Dimensions	⚖
Plastic case for crimping dies	25600083	KKPE-TN	410x360x110mm	approx 1.6 kg

PP230 – Hydraulic Compression Head 230kN (630mm²)

Designed to crimp terminals and connectors up to a maximum of 630 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make automatic-lock connection and undetachable dust cap
- Max. Stroke: 28mm
- Head opening: 50mm
- Compression Force: 230kN
- Operating pressure: 700bar (70 MPa)



Picture with crimping dies

Sector of use	max.
Hexagon crimping dies to DIN 48083 Cu	630mm²
Hexagon crimping dies to DIN 48083 Al	500mm²
Hexagon crimping dies to DIN 48083 Al/St.	385/35mm²
Hexagon crimping dies for fork terminal similar to DIN	630mm²
Round die for Al and Cu sector-shaped conductor	300mm²
Oval crimping dies for H brach terminal, twin comp. cable lugs	150mm²
Strip off insert for Aluminium/Steel ropes up to 20mm	30mm

Crimping dies see Page 232



PP230

Set Equipment:

- Hydraulic Compression Tool
- Plastic case for Compression head and maximum 6 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic compression head 230kN Set	25742301	PP230	410x360x135mm	approx 7.3 kg
Hydraulic compression head 230kN without case	25742311	PP230-lose	320x130x85mm	approx 5.6 kg
Plastic case	25742380	KKPP230	410x360x135mm	approx 1.6 kg

Crimping Dies for PP230

Crimping dies according to DIN 48083
for connectors according to DIN 46235, Cu, Al and Al/St



Order ref.	INT Id.	Code No.	Comp. width	Cross Section (mm²) Copper tension free	Cross Section (mm²) Copper full tension	Cross Section (mm²) Aluminium stranded tension free	Cross Section (mm²) Aluminium stranded full tension	Cross Section (mm²) Aluminium–Steel Al–Sleeve	Cross Section (mm²) Aluminium–Steel St–Sleeve
25792310	MK 10-3D	10	14	25	25				
25792312	MK 12-3D	12	14	35	35	16–25	16–25	16/2.5 25/4	
25792313	MK 13-3D	13	14						120/20 150/25
25792314	MK 14-3D	14	14	50	50	35	35	35/6	
25792315	MK 15-3D	15	14						44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40
25792316	MK 16-3D	16	14	70	70	50	50	50/8	
25792317	MK 17-3D	17	14						210/50 300/50 380/50 510/45 560/50 650/45
25792318	MK 18-3D	18	14	95		70	70	70/12	
25792319	MK 19-3D	19	14						95/55 435/55
25792320	MK 20-3D	20	14	120	95				
257792321	MK 21-3D	21	14						105/75 120/70 490/65 550/70
25792322	MK 22-3D	22	14	150	120	95–120	95		
25792324	MK 22B-3D	22	40			95–120	95	95/15	
25792323	MK 23-3D	23	14						680/85
25792325	MK 25-3D	25	14	185	150	150	120		
25792326	MK 25B-3D	25	40			150	120	44/32 50/30 120/20	
25792328	MK 28-3D	28	14	240		185	150–185		
25792329	MK 28B-3D	28	40			185	150–185	125/30 150/25	
25792330	MK 30-3D	30	17		185				
25792331	MK 30B-3D	30	25					95/55 170/40 185/30	
25792332	MK 32-3D	32	17	300		240			
25792333	MK 32B-3D	32	25			240			
25792334	MK 34-3D	34	17		240	300	240		
25792335	MK 34B-3D	34	25			300	240	105/75 120/70 210/35 210/50 230/30 240/40	
25792338	MK 38-3D	38	17	400		400	300		
25792339	MK 38B-3D	38	25			400	300	265/35 300/50 305/40 340/30	
25792342	MK 42-3D	42	17	500					
25792343	MK 42B-3D	42	25					380/50 385/35	
25792344	MK 44-3D	44	17	630		500			

On request: ***• periodic calibration of DI N-crimping dies with test certificate***

Thorn crimping dies for fine wire conductors



Order ref.	INT Id.	Cross section (mm²)
25795120	MDF 120-3D	120
25795150	MDF 150-3D	150
25795185	MDF 185-3D	185
25795240	MDF 240-3D	240
25795300	MDF 300-3D	300

Cutting Jaw

Order ref.	INT Id.	Application
25795020	WT 2-3D	Circular cutting insert to cut Cu , Al cables; Aldrey Al/St ropes up to 20mm Ø
25795030	WT 3-3D	Flat cutting insert to cut earth electrode and flat band steel up to 30 mm wide

Crimping dies for PP230

Crimping die for notch connector



Copper		Aluminium		Al–St–rope		Cross sec.
Order ref.	INT Id.	Order ref.	INT Id.	Order ref.	INT Id.	(mm²)
25790010	MKO 10-3D Cu					10
25790016	MKO 16-3D Cu					16
25790025	MKO 25-3D Cu	25790026	MKO 25-3D Al			25
25790035	MKO 35-3D Cu	25790036	MKO 35-3D Al			35
25790050	MKO 50-3D Cu	25790053	MKO 50-3D Al			50
				25790051	MKO 50/8-3D	50/8
				25790052	MKO 50/30-3D	50/30
				25790071	MKO 70/12-3D	70/12
25790070	MKO 70-3D Cu	25790072	MKO 70-3D Al			70
25790095	MKO 95-3D Cu	25790097	MKO 95-3D Al			95
				25790096	MKO 95/15-3D	95/15
25790120	MKO 120-3D Cu	25790122	MKO 120-3D Al			120
				25790121	MKO 120/21-3D	120/21
				25790125	MKO 125/30-3D	125/30
25790150	MKO 150-3D Cu	25790152	MKO 150-3D Al			150
				25790151	MKO 150/25-3D	150/25
		25790187	MKO 185-3D Al			185
				25790186	MKO 185/32-3D	185/32
		25790241	MKO 240-3D Al			240
				25790210	MKO 210/36-3D	210/36
				25790211	MKO 210/50-3D	210/50
				25790240	MKO 240/40-3D	240/40

Hexagon crimping dies for cable shoes and connectors made of copper similar to DIN



Order ref.	INT Id.	Compression width	Cross section (mm²)
25774120	MH 120-3D	14	120
25774150	MH 150-3D	14	150
25774185	MH 185-3D	14	185
25774240	MH 240-3D	17	240
25774300	MH 300-3D	17	300
25774400	MH 400-3D	17	400
25774500	MH 500-3D	17	500
25774625	MH 625-3D	17	630

Oval crimping die for H–branch terminals



Order ref.	INT Id.	Cross section (mm²)	Comp. width (mm)
25772050	MRH22-3D	2 x 50	30
25772070	MRH26-3D	2 x 70	30
25772095	MRH30-3D	2 x 95	30
25772120	MRH32-3D	2 x 120	30
25772150	MRH34-3D	2 x 150	30

Round dies to round off copper and aluminium sector shaped conductor



Order ref.	INT Id.	Comp. width	Cross section (mm²) se	sm
25673010	UP 4.1-C *	35	-	10
25673016	UP 5.1-C *	35	-	16
25673025	UP 6.3-C *	35	35	25
25673035	UP 7.5-C *	35	50	35
25673050	UP 9.0-C *	35	70	50
25673070	UP 10.5-C *	35	95	70
25673095	UP 12.5-C *	35	120	95
25673120	UP 14.0-C *	35	150	120
25673150	UP 15.7-C *	35	185	150
25673185	UP 17.5-C *	35	240	185
25673240	UP 20.2-C *	35	300	240
25673300	UP 22.5-C *	35		300

Oval crimping die for twin comp. cable lugs



Order ref.	INT Id.	Cross section (mm²)	Comp. width (mm)
25775050	MRD22-3D	2 x 50	12
25775070	MRD24-3D	2 x 70	12
25775095	MRD29-3D	2 x 95	12
25775150	MRD32-3D	2 x 120	12

** to use with Adapter AD230-130*







Adapter for Crimping Dies 130kN

•this adapter allows use of all dies (C-Form) for the tool 130kN on model PP230 .

Description	Order ref.	INT Id.	for crimping dies	⚖
Adapter for crimping dies	25695001	AD230-130	C-Form	approx 820

PP520 – Hydraulic Compression Head 520kN (1000mm²)

Designed to crimp terminals and connectors up to a maximum of 1000 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make automatic lock connection and undetachable dust cap
- Max. Stroke: 25mm
- Head opening: 62mm
- Compression Force: 520kN
- Operating pressure: 700bar (70 MPa)

CE



Picture with crimping dies

Sector of use	max.
Hexagon crimping die according to DIN 48083 Cu	1000mm²
Hexagon crimping die according to DIN 48083 Al	1000mm²
Hexagon crimping die according to DIN 48083 Al/St.	680/85mm²

Crimping die see Page 235



PP520

Set Equipment:

- Hydraulic Compression Tool
- Plastic case for Compression head and maximum 4 crimping dies

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic compression head 520kN Set	25644601	PP520	410x360x130mm	approx 12 kg
Hydraulic compression head 520kN without case	25644611	PP520-lose	262x190x115mm	approx 10.4 kg
Plastic case	25644688	KKPP520	410x360x130mm	approx 1.5 kg

Crimping dies for PP520



Hexagon crimping dies according to DIN 48083 for connectors according to DIN 46235, Cu, Al and Al/St

Order ref.	INT Id.	Code No	Comp.width	Cross section (mm²) Copper tension free	Copper full tension	Aluminium stranded tension free	Aluminium stranded full tension	Aluminium–Steel Al–Sleeve	Aluminium–Steel St–Sleeve
25794512	MK 12-520	12	14	35	35	16-25	16-25	16/2.5 25/4	
25794513	MK 13-520	13	14						120/20 150/25
25794515	MK 15-520	15	14						44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40
25794517	MK 17-520	17	14						210/50 300/50 380/50 510/45 560/50 650/45
25794519	MK 19-520	19	14						95/55 435/55
25794520	MK 20-520	20	14	120	95				
25794521	MK 21-520	21	14						105/75 120/70 490/65 550/70
25794522	MK 22-520	22	14	150	120				
25794524	MK 22B-520	22	40			95-120	95	95/15	
25794523	MK 23-520	23	14						680/85
25794525	MK 25-520	25	14	185	150				
25794526	MK 25B-520	25	40			150	120	44/32 50/30 120/20	
25794528	MK 28-520	28	14	240					
25794529	MK 28B-520	28	40			185	150-185	125/30 150/25	
25794530	MK 30-520	30	17		185				
25794531	MK 30B-520	30	40					95/55 170/40 185/30	
25794532	MK 32-520	32	17	300					
25794533	MK 32B-520	32	40			240			
25794534	MK 34-520	34	17		240				
25794535	MK 34B-520	34	40			300	240	105/75 120/70 210/35 210/50 230/30 240/40	
25794538	MK 38-520	38	17	400					
25794539	MK 38B-520	38	40			400	300	265/35 300/50 305/40 340/30	
25794542	MK 42-520	42	17	500					
25794543	MK 42B-520	42	40					380/50 385/35	
25794544	MK 44-520	44	17	630					
25794545	MK 44B-520	44	40			500			
25794546	MK 46-520	46	25		500				
25794547	MK 46B-520	46	40					435/55 450/40	
25794550	MK 50-520	50	25		630				
25794551	MK 50B-520	50	40					495/35 510/45 490/65	
25794552	MK 52-520	52	25	800					
25794553	MK 52B-520	52	40			630		570/40 580/50 550/70	
25794558	MK 58-520	58	25	1000		800		650/45 680/85	
25794560	MK 60-520	60	25			1000			

On request: ***• periodic calibration of DI N crimping dies with test certificate***



Adapter for crimping dies 130kN

with this adapter you can use all crimping dies (C-Form) of the 130kN tools with the compression head PP520.



Description	Order ref.	INT Id.	for crimping dies	⚖
Hexagon crimping die DIN48083	25695002	AD520-130	C-Form	approx 2.25 kg

PP1000 – Hydraulic Compression Head 1000kN(1600mm²)

Designed to crimp terminals and connectors up to a maximum of 1600 mm² cable cross sections.
The Compression Head must be combined with a hydraulic pump (Maximum pressure 700bar/70MPa). *(see Page 244, Hydraulic pump)*

Technical Characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick hydraulic connection and undetachable dust cap
- Max. Stroke: 30mm
- Compression Force: 1000kN
- Operating pressure: 850bar (85 MPa)



Picture with crimping dies

Die Sets	max.
Hexagon crimping dies to DIN 48083 Cu	1600mm²
Hexagon crimping dies to DIN 48083 Al	1600mm²
Hexagon crimping dies to DIN 48083 Al/St.	1045/45mm²

Crimping dies see Page 237

Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic Compression Head 1000kN	25641011	PP1000	530x350x290mm	approx 61 kg

RPW185 – Hydraulic tool for tube compression

Designed to seal off steel and PE pipes fast and safety with diameters up to 100 mm. The tool is also suitable for crimping water pipes made off steel during emergencies.
The hydraulic tool can be combined with a hydraulic pump (Maximum pressure 850bar/85MPa).
(see Page 244, Hydraulic pump)

Technical Characteristics:

- Sturdy and compact structure
- Head opens to grip around pipe
- High working and occupational safety easy handling
- Quick hydraulic connection and undetachable dust cap
- Compression Force: 185kN
- Operating Pressure: 850bar (85MPa)



Description	Order ref.	INT Id.	Dimensions	⚖
Hydraulic tool for tube compression	25618511	RPW185	575x245x95mm	approx 14.5 kg
Stop valve	25618515	RPWAV		
Spacer Ser for PE-Pipes	25618516	RPWDIS		

Compression tool
Crimping dies for PP 1000

Hexagon crimping dies according to DIN 48083
for connectors according to DIN 46235, Cu, Al und Al/St



Order ref.	INT Id.	Code No.	Compr. width	Cross sections (mm²) Copper tension free	Cross sections (mm²) Copper full tension	Cross sections (mm²) Aluminium stranded tension free	Cross sections (mm²) Aluminium stranded full tension	Cross sections (mm²) Aluminium–Steel Al–Sleeve	Cross sections (mm²) Aluminium–Steel St–Sleeve
25791013	MK 13-1000	13	25						120/20 150/25
25791015	MK 15-1000	15	25						44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40
25791017	MK 17-1000	17	25						210/50 300/50 380/50 510/45 560/50 650/45 1045/45
25791019	MK 19-1000	19	25						95/55 435/55
25791021	MK 21-1000	21	25						105/75 120/70 490/65 550/70
25791023	MK 23-1000	23	25						680/85
25791025	MK 25-1000	25	25	185	150				
25791026	MK 25B-1000	25	40					44/32 50/30 120/20	
25791028	MK 28-1000	28	25	240					
25791029	MK 28B-1000	28	40			185	150-185	125/30 150/25	
25791030	MK 30-1000	30	25		185				
25791031	MK 30B-1000	30	40					95/55 170/40 185/30	
25791034	MK 34-1000	34	25		240				
25791035	MK 34B-1000	34	40			300	240	105/75 120/70 210/35 210/50 230/30 240/40	
25791038	MK 38-1000	38	25	400					
25791039	MK 38B-1000	38	40			400	300	265/35 300/50 305/40 340/30	
25791042	MK 42-1000	42	25	500					
25791043	MK 42B-1000	42	40					380/50 385/35	
25791046	MK 46-1000	46	25		500				
25791047	MK 46B-1000	46	40					435/55 450/40	
25791050	MK 50-1000	50	25		630				
25791051	MK 50B-1000	50	40					495/35 510/45 490/65	
25791052	MK 52-1000	52	25	800					
25791053	MK 52B-1000	52	40			630		570/40 560/50 550/70	
25791058	MK 58-1000	58	25	1000					
25791059	MK 58B-1000	58	40			800		650/45 680/85	
25791061	MK 60B-1000	60	40			1000			
25791063	MK 62B-1000	62	60					1045/45	

Accessory available:

Storage Battery



RA4



RA5

Description	Order ref.	INT Id.
Storage Battery 12V / 2.6Ah Ni-MH	25800024	RA4
Storage Battery 12V / 3.0Ah Ni-MH	25800025	RA5
Storage Battery 14.4V / 2.6Ah Ni-MH	25800026	RA6
Storage Battery 14.4V / 3.0Ah Ni-MH	25800027	RA7



RA6



RA7

Fast Battery Charger

Description	Order-ref.	INT-Id.
Battery Charger (max. charging time 50 min.)	25800104	LG4
Fast Battery Charger (with opt. charging light , max. charging time ca. 20 min.)	25800105	LG5
Battery Charger (charging time 30-75 min.)	25800104	LG6



LG6

Battery Charger

Description	Order-ref.	INT-Id.
Battery Charger (12 V source)	25800110	LGZ



Adapter

Description	Order-ref.	INT-Id.
Adapter for mains operation 230V AC/115V A	25800109	NG1



Strap

Description	Order-ref.	INT-Id.
Strap (for hydraulic battery operated tools)	25800171	TG1
Strap (for hydraulic battery operated tools)	25800172	TG2



TG1



TG2