



5

# CRIMPING TOOLS

MECHANICAL CRIMPING TOOLS  
HYDRAULICAL CRIMPING TOOLS  
CRIMPING TOOLS

# NEXT GENERATION OF MECHANICAL CRIMPING TOOLS

5



Releasable ratchet ensures the complete crimp process

Low handle force thanks to an optimal force transmission

Lightweight

Ergonomic

Ergonomic soft-handles with slip-off protection



### Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	PM-TRE	220 mm	0,74 kg

#### Set equipment:

- Mechanic crimping tool
- Rigid resin case
- Crimping die for insulated cable connections 0,5 - 6 mm<sup>2</sup> - UEIQ6
- Crimping die for wire end sleeves 0,14 - 2,5 mm<sup>2</sup> - UEAE2R
- Crimping die for wire end sleeves 4 - 16 mm<sup>2</sup> - UEAE16R

#### Technical characteristics:

- By 2 additional slots in the handle it is workable to transport up to 3 inserts directly in the tool
- Outstanding crimpings are reached due to a side crimping mechanism
- Inserts can be changed easily and without effort
- Further inserts are available from intercable to cover many different applications

### Included dies

#### Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 6 mm <sup>2</sup>

Description	Order No.
Crimping die for insulated cable connections	UEIQ6

#### Crimping die for brazed seam and pin terminals

CRIMPING TYPE	Indent
CROSS-SECTION	0,5 - 10 mm <sup>2</sup>

Description	Order No.
Crimping die for brazed seam and pin terminals	UEQ10

#### Crimping die for end sleeves

CRIMPING TYPE	Trapezoid crimping
CROSS-SECTION	0,14 - 10 mm <sup>2</sup>

Description	Order No.
Crimping die for insulated cable connections	UEAE10T

### Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	MPUSET-2	440 x 230 x 80 mm	0,9 kg

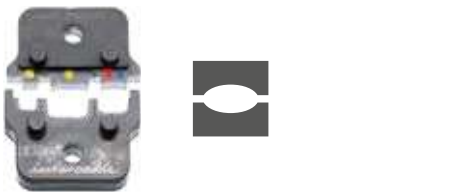
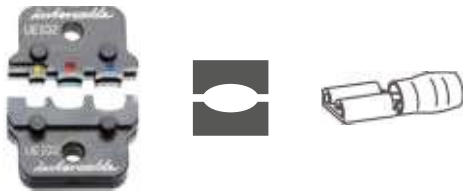
#### Set equipment:

- Mechanic crimping tool
- Rigid resin case
- Crimping die for insulated cable connections 0,5 - 6 mm<sup>2</sup> - UEIQ6
- Crimping die for wire end sleeves 0,14 - 2,5 mm<sup>2</sup> - UEAE2R
- Crimping die for wire end sleeves 4 - 16 mm<sup>2</sup> - UEAE16R



## MECHANICAL CRIMPING TOOLS

### Crimping dies for basic tool MPU + MPU-L



### Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,1 - 2,5 mm <sup>2</sup>
CRIMPING	Double crimping

Description	Order No.
Crimping die for insulated cable connections	UEIQ2

### Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 6 mm <sup>2</sup>
CRIMPING	Double crimping

Description	Order No.
Crimping die for insulated cable connections	UEIQ6

### Crimping die for insulated flag female disconnects

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 2,5 mm <sup>2</sup>


Description	Order No.
Crimping die for insulated flag female disconnects	UEIQ2WF

### Crimping die for insulated thermo-shrinking connector

CRIMPING TYPE	Oval
CROSS-SECTION	0,14 - 6 mm <sup>2</sup>
CRIMPING	Einfachverpressung


Description	Order No.
Crimping die for insulated thermo-shrinking connector	UEIQ6WS

### Crimping die for end sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	0,14 - 2,5 mm <sup>2</sup> , 2 x 0,25 - 2 x 1,5 mm

Description	Order No.
Crimping die for end sleeves	UEAE2R


### Crimping die for end sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	4 - 16 mm <sup>2</sup> , 2 x 2,5 mm

Description	Order No.
Crimping die for end sleeves	UEAE16R




### Crimping die for end sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	25 - 35 mm <sup>2</sup>

Description	Order No.
Crimping die for end sleeves	UEAE35R




### Crimping die for end sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	50 mm <sup>2</sup>

Description	Order No.
Crimping die for end sleeves	UEAE50R



### Crimping die for twin end-sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	2 x 4 - 2 x 16 mm <sup>2</sup>

Description	Order No.
Crimping die for twin end-sleeves	UEAE2X16R



### Crimping die for brazed seam and pin terminals

CRIMPING TYPE	Indent
CROSS-SECTION	0,5 - 10 mm <sup>2</sup>

Description	Order No.
Crimping die for brazed seam and pin terminals	UEQ10



### Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	0,5 - 2,5 mm <sup>2</sup>

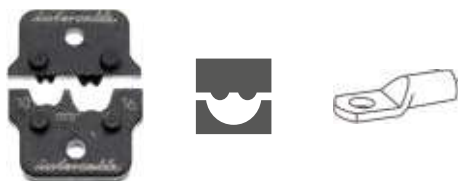
Description	Order No.
Crimping die for tubular cable lugs, R-series	UER2



### Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	4 - 10 mm <sup>2</sup>

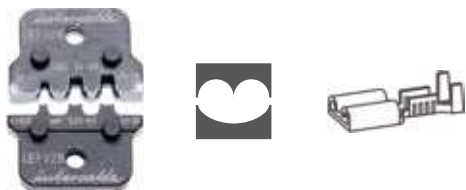
Description	Order No.
Crimping die for tubular cable lugs, R-series	UER10



### Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	10 - 16 mm <sup>2</sup>

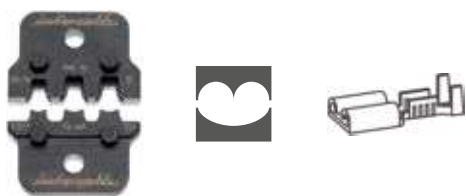
Description	Order No.
Crimping die for tubular cable lugs, R-series	UER16



### Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimping
TAB WIDTH	2,8 mm
CROSS-SECTION	0,1 - 1 mm <sup>2</sup>

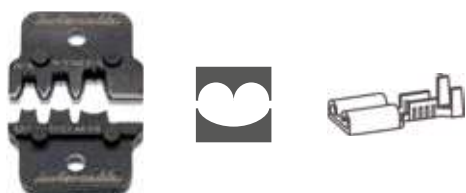
Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV28



### Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimping
TAB WIDTH	4,8 mm
CROSS-SECTION	0,5 - 2,5 mm <sup>2</sup>

Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV48



### Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimping
TAB WIDTH	6,3 mm
CROSS-SECTION	0,5 - 6 mm <sup>2</sup>

Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV63



### Crimping die non-insulated open barrel terminals flag type

CRIMPING TYPE	Double crimping
TAB WIDTH	6,3 mm
CROSS-SECTION	10 - 16 mm <sup>2</sup>

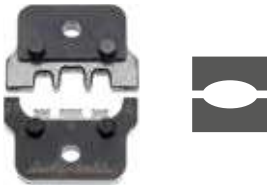
Description	Order No.
Crimping die non-insulated open barrel terminals flag type	UEFVS63



### Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	1,5 - 4 mm <sup>2</sup>

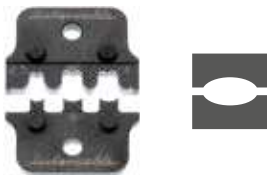
Description	Order No.
Crimping die for photovoltaics	UEMC41



**Crimping die for photovoltaics**

CRIMPING TYPE	Oval
CONTACT TYPE	MC3
CROSS-SECTION	2,5 - 6 mm <sup>2</sup>

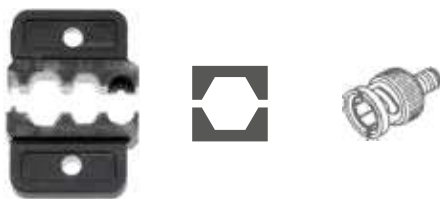
Description	Order No.
Crimping die for photovoltaics	UEMC3



**Crimping die for photovoltaics**

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	2,5 - 6 mm <sup>2</sup>

Description	Order No.
Crimping die for photovoltaics	UEMC4



**Crimping die for Koax-connectors for BNC-cables**

CRIMPING TYPE	Oval
	RG 58 / 59 / 62 / 71

Description	Order No.
Crimping die Koax-connectors for BNC-cables	UEBNC

**Mechanical crimping tool for end sleeves**

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	0,25 - 2,5 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE2T	160 mm	170 g

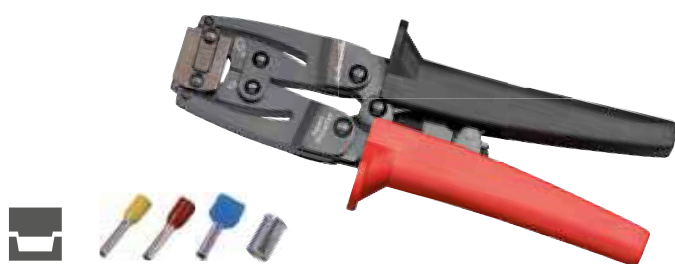
**Mechanical crimping tool for end sleeves**

CRIMPING TYPE	Indent
APPLICATION RANGE	0,5 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16K	190 mm	250 g



## MECHANICAL CRIMPING TOOLS



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal - Front
APPLICATION RANGE	0,14 - 6 mm <sup>2</sup> / 2x0,5 - 2x2,5 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE6TF	210 mm	525 g



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal - Front
APPLICATION RANGE	6 - 16 mm <sup>2</sup> / 2x4 - 2x6 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16TF	210 mm	690 g



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	0,14 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16T	230 mm	485 g



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	10 - 50 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	PMT50	304 mm	600 g



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Square
APPLICATION RANGE	0,08 - 10 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE10V	195 mm	320 g



### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Hexagonal
APPLICATION RANGE	0,08 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves


Description	Order No.	Length	Weight
Crimping tool	MPAE16S	215 mm	450 g

- Automatic adjustment to the cross section from 0,08 to 16 mm<sup>2</sup> without setting
- Movable locator for a precise location of small cross sections



## MECHANICAL CRIMPING TOOLS

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	0,14 - 2,5 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE2R	195 mm	320 g

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	1,5 - 6 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE6R	195 mm	320 g

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	10 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16R	190 mm	320 g

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	10 - 25 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE25R	195 mm	350 g

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	10 - 50 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE50R	300 mm	700 g

### Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round  crimping
APPLICATION RANGE	50 - 95 mm <sup>2</sup>
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE95R	300 mm	700 g



## MECHANICAL CRIMPING TOOLS



### Mechanical crimping tool for insulated terminals

CRIMPING TYPE	Oval
APPLICATION RANGE	0,5 - 6 mm <sup>2</sup>
SUGGESTED APPLICATION	Insulated terminals

Description	Order No.	Length	Weight
Crimping tool	MPIQ	210 mm	190 g



### Mechanical crimping tool for insulated terminals

CRIMPING TYPE	Oval / double crimping
APPLICATION RANGE	0,5 - 6 mm <sup>2</sup>
SUGGESTED APPLICATION	Insulated terminals

Description	Order No.	Length	Weight
Crimping tool	MPIQ6	220 mm	480 g

• Crimping of conductor and insulation in one step



### Mechanical crimping tool for insulated terminals

CRIMPING TYPE	Oval
APPLICATION RANGE	6 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	Insulated terminals

Description	Order No.	Length	Weight
Crimping tool	MPIQ16	285 mm	710 g

• Crimping of conductor and insulation in one step



### Mechanical crimping tool for heat shrinkable butt-splice and insulated closed end connectors

CRIMPING TYPE	Oval
APPLICATION RANGE	0,5 - 6 mm <sup>2</sup>
SUGGESTED APPLICATION	Heat shrinkable butt-splice and insulated closed end connectors

Description	Order No.	Length	Weight
Crimping tool	PMGI6	220 mm	480 g



### Mechanical crimping tool for non-insulated open barrel terminals

CRIMPING TYPE	Double indent
APPLICATION RANGE	0,25 - 6 mm <sup>2</sup>
SUGGESTED APPLICATION	Non-insulated open barrel terminals

Description	Order No.	Length	Weight
Crimping tool	MPFV	220 mm	475 g

## MECHANICAL CRIMPING TOOLS

### Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Double indent
APPLICATION RANGE	10 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMC16	285 mm	700 g

### Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Double indent
APPLICATION RANGE	0,5 - 16 mm <sup>2</sup>
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMCL16	280 mm	700 g

### Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Hexagonal
APPLICATION RANGE	10 - 25 mm <sup>2</sup>
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMC25	270 mm	700 g

### EPU-SET Electromechanical battery crimping tool 12V

Suitable to crimp insulated and non-insulated cable lugs and connectors as well as end-sleeves.

Description	Order No.	Length	Weight
Battery crimping tool 12V	EPU-SET	-	-

#### Characteristics:

- Electromechanically driven handheld device with lithium ion battery
- Light, slim and robust construction
- Due to a parallel closure of the jaws an optimal crimp result will be achieved without any violation of the insulation
- Tap-operation for exact positioning of the contacts
- Cost-effective in operation due to low susceptibility and long maintenance intervals
- Emergency release and reset-function
- Fast engine stop, no risk of overshoot
- Low noise generation
- Automatic rewind after the completed crimping
- Process monitoring by multifunction display:
  - Battery level
  - Service interval
  - Warning function against overheating / overload

#### Set equipment:

- Electromechanical battery crimping tool 12V
- Crimping die for insulated cable lugs and connectors 0,5-1,0/1,5-2,5/4-6mm<sup>2</sup>
- Lithium ion battery with charger
- Allen wrench
- Resin case with foam insert

\*Further crimping dies on request



Crimping die for insulated terminals



Crimping die for end sleeves

## MECHANICAL CRIMPING TOOLS



### Mechanical crimping tool for non-insulated tubular cable lugs and connectors, R series

CRIMPING TYPE	i crimping
APPLICATION RANGE	10 - 25 mm <sup>2</sup>
SUGGESTED APPLICATION	Non-insulated R series

Description	Order No.	Length	Weight
Crimping tool	MPR25i	270 mm	700 g

### Mechanical crimping tool for non-insulated tubular cable lugs and connectors

Description	Order No.	Length	Weight
Crimping tool 6-50 <sup>2</sup> (I series)	MPR-1	380 mm	1,5 kg
Crimping tool 6-50 <sup>2</sup> (R series)	MPR50i	380 mm	1,5 kg
Crimping tool 10-70 <sup>2</sup> (F series)	MPF70i	515 mm	2,1 kg
Crimping tool 25-150 <sup>2</sup> (I series)	MPR-2	550 mm	3,7 kg
Crimping tool 10-120 <sup>2</sup> (R series)	MPR120i	550 mm	3,7 kg

- Crimping type: i crimp
- Reduces crimping force
- Die selection with revolver system

### Mechanical crimping tool for non-insulated tubular cable lugs and connectors

Description	Order No.	Length	Weight
Crimping tool 6-50 <sup>2</sup> (DIN series)	MPD50S	380 mm	1,5 kg
Crimping tool 6-50 <sup>2</sup> (British series)	MPB50	380 mm	1,5 kg
Crimping tool 10-120 <sup>2</sup> (DIN series)	MPD120S	550 mm	3,7 kg
Crimping tool 10-120 <sup>2</sup> (British series)	MPB120	550 mm	3,7 kg

- Crimping type: Hexagon crimp
- Reduces crimping force
- Die selection with revolver system

### Mechanical crimping tool for non-insulated tubular cable lugs and connectors standard type 10 - 120 mm<sup>2</sup>



10 - 120 mm<sup>2</sup>



Description	Order No.	Length	Weight
Mechanical crimping tool	MPR-3	535 mm	3,1 kg

- Crimping type: Indent



**NOTE:**  
For the crimp of insulated terminals please order MPR-4

MPR120i  
MPD120S  
MPB120



MMPR50i  
MPD50S  
MPB50  
MPF70i



**MP60-1 - Mechanical crimping tool 60 kN**

CRIMPING SECTION	max 240 mm <sup>2</sup>
MAXIMUM STROKE	20 mm
CRIMPING FORCE	60 kN

**Technical characteristics:**

- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 160 x 560 x 50 mm

Tool weight: ..... 2.9 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-1	700 x 260 x 105 mm	4,6 kg

**Set equipment:**

- Mechanical crimping tool

For the crimping dies of tool MP60-1 an additional opening spring (order ref. OEF1) is also required.



SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170



### MP60-3 - Mechanical crimping tool 60 kN

CRIMPING SECTION	max 240 mm <sup>2</sup>
MAXIMUM STROKE	20 mm
CRIMPING FORCE	60 kN

#### Technical characteristics:

- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 154 x 550 x 44 mm  
 Tool weight: ..... 3,6 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-3	700 x 260 x 105 mm	5,3 kg

#### Set equipment:

- Mechanical crimping tool
- Nylon case



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SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170

**MP60-2 - Mechanical crimping tool - 60 kN**

CRIMPING SECTION	max 300 mm <sup>2</sup>
MAXIMUM STROKE	19 mm
CRIMPING FORCE	60 kN

**Technical characteristics:**

- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 154 x 552 x 44 mm

Tool weight: ..... 3,6 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-2	700 x 260 x 105 mm	5,3 kg

**Set equipment:**

- Mechanical crimping tool
- Nylon case



SELECTION OF CRIMPING DIES	Pages 171 - 174
PLASTIC CASE FOR DIES	Page 174



MPSF6-1

5



Set MPSF6-1



MPSF6-6 lose



MKGR1

### MPSF6 - Manual mechanical tool for SF6-insulated MT-switchboard terminals

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

#### Technical characteristics:

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

Tool dimensions: ..... 160 x 507 x 85 mm  
Tool weight: ..... 3,1 kg

#### Application range

Head size	Voltage range	Amperage	Cross section
1	12 kV, 24 kV, 36 kV	630 A	25 mm <sup>2</sup> - 240 mm <sup>2</sup>
2	12 kV, 24 kV, 36 kV	800 A	50 mm <sup>2</sup> - 300 mm <sup>2</sup>
3	12 kV, 24 kV, 36 kV, 52 kV	1.250 A	150 mm <sup>2</sup> - 630 mm <sup>2</sup>

Description	Order No.	Dimensions	Weight
Set: Mechanical tool for SF6 System size 1	MPSF6-1	570 x 155 x 75 mm	5,5 kg
Set: Mechanical tool for SF6 System size 2	MPSF6-2	570 x 155 x 75 mm	5,1 kg
Set: Mechanical tool for SF6 System size 3	MPSF6-3	630 x 155 x 95 mm	7,4 kg

#### Set equipment MPSF6-X:

- Mechanical crimping tool
- Terminal dies
- Metallic case (BKMPSF6)

Description	Order No.	Dimensions	Weight
Mechanical tool for SF6 system without terminals and case	MPSF6-lose	515 x 155 x 73 mm	3,1 kg
Terminal dies size 1 SF6 system	MKGR1	125 x 65 x 65 mm	1,9 kg
Terminal dies size 2 SF6 system	MKGR2	125 x 65 x 65 mm	1,7 kg
Terminal dies size 3 SF6 system	MKGR3	185 x 95 x 95 mm	4,0 kg



# STILO60

THE STILO PRODUCT FAMILY  
CONTINUES TO GROW



## Manageable

Rotating crimping head 360°  
for optimal crimping in any  
position

## Automatic return

At the end of the crimping cycle

## Ergonomic

Effortless working and easy handling thanks  
to equilibrate 2-component handle























## Intelligent

Multifunction LED to indicate  
the maintenance intervals  
(20.000 cycles)

## Powerful

18V 1,5 Ah Lithium-Ion battery  
for even more pressings  
during one battery life

## HYDRAULIC CRIMPING TOOLS - OVERVIEW

	Heads	Hand operated	Battery operated	max. Crimping section *	Crimping force		
SERIES 45		 HP45	 STILO45	150 mm <sup>2</sup>	45 kN	PAGE 145-146	
SERIES 50		 HP50	 STILO50	240 mm <sup>2</sup>	50 kN	PAGE 147-148	
SERIES 60-2/4	 PP60-1	 HP60-3		 AP60-1	240 mm <sup>2</sup>	60 kN	PAGE 149-150
SERIES 60-2/4	 PP60-2	 HP60-4	 STILO60	 AP60-2	300 mm <sup>2</sup>	60 kN	PAGE 151-152
SERIES 130-C	 PP130-C	 HPI130-C		 AP130-C	400 mm <sup>2</sup>	130 kN	PAGE 153-154
SERIE 130-C2	 PP130-C2	 HPI130-C2		 AP130-C2	400 mm <sup>2</sup>	130 kN	PAGE 155-156
SERIES 130-H		 HPI130-H		 AP130-H	400 mm <sup>2</sup>	130 kN	PAGE 157-158
SERIE 230	 PP230				630 mm <sup>2</sup>	230 kN	PAGE 159
SERIES 520	 PP520				1.000 mm <sup>2</sup>	520 kN	PAGE 161
SERIES 600	 PP600				1.600 mm <sup>2</sup>	600 kN	PAGE 162

\*depending on type and size of terminals used

MAIN CHARACTERISTICS HP45

CRIMPING SECTION	max. 150 mm <sup>2</sup>
MAXIMUM STROKE	16 mm

CRIMPING FORCE	45 kN
OPERATING PRESSURE	470 bar (47 MPa)



HP45 - Hand operated hydraulic crimping tool

Technical characteristics:

- Light and compact structure
- Pump body in light alloy
- Snap closure crimping head, rotates 180°
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 157 x 375 x 54 mm

Tool weight: ..... 2,5 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP45	440 x 190 x 80 mm	3,5 kg

Set equipment:

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



Set HP45





## STILO45 - Battery operated hydraulic crimping tool

Technical characteristics:  
see page 143

Tool dimensions: ..... 124 x 369 x 81 mm

Tool weight (incl. battery): ..... 2,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO45	560 x 375 x 118 mm	5,1 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



Set STILO45

5

CE

**MAIN CHARACTERISTICS HP50**

CRIMPING SECTION	max. 240 mm <sup>2</sup>
MAXIMUM STROKE	16 mm

CRIMPING FORCE	50 kN
OPERATING PRESSURE	520 bar (52 MPa)



**HP50 - Hand operated hydraulic crimping tool**

**Technical characteristics:**

- Light and compact structure
- Pump body in light alloy
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 157 x 398 x 54 mm

Tool weight: ..... 2,7 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP50	440 x 190 x 80 mm	3,7 kg

**Set equipment:**

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



Set HP50





CE

## STILO50 - Battery operated hydraulic crimping tool

Technical characteristics:  
see page 143

Tool dimensions: ..... 120 x 403 x 75 mm

Tool weight (incl. battery): ..... 2,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO50	560 x 375 x 118 mm	5,3 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



Set STILO50

SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170

### MAIN CHARACTERISTICS PP60-1 - HP60-3 - AP60-1

CRIMPING SECTION	max. 240 mm <sup>2</sup>
MAXIMUM STROKE	17 mm

CRIMPING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)



#### PP60-1 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 60 kN (pages 201 - 208).

##### Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 74 x 198 x 54 mm

Tool weight: ..... 1,6 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP60-1	320 x 260 x 75 mm	2,1 kg

##### Set equipment:

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

#### HP60-3 - Hand operated hydraulic crimping Tool

##### Technical characteristics:

- Sturdy and compact structure
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 168 x 392 x 54 mm

Tool weight: ..... 2,5 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HP60-3	440 x 190 x 80 mm	3,7 kg

##### Set equipment:

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





Insulated version on request



Set AP60-1

## AP60-1 - Battery operated hydraulic crimping tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 329 x 331 x 75 mm

Tool weight: ..... 4,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP60-1	580 x 470 x 115 mm	7,7 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)

SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170



### MAIN CHARACTERISTICS PP60-2 - HP60-4 - STILO-60 - AP60-2

CRIMPING SECTION	max. 300 mm <sup>2</sup>
MAXIMUM STROKE	17 mm

CRIMPING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

#### PP60-2 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 60 kN (pages 201 - 208).

##### Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 93 x 198 x 93 mm  
 Tool weight: ..... 1,7 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP60-2	320 x 260 x 75 mm	2,3 kg

##### Set equipment:

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

#### HP60-4 - Hand operated hydraulic crimping tool

##### Technical characteristics:

- Sturdy and compact structure
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions ..... 176 x 396 x 54 mm  
 Tool weight: ..... 2,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP60-4	700 x 260 x 105 mm	4,6 kg

##### Set equipment:

- Test report
- Manual crimping tool
- Plastic case for crimping tool and 21 crimping dies

#### STILO60 - Battery operated hydraulic crimping tool

##### Technical characteristics:

see page 143

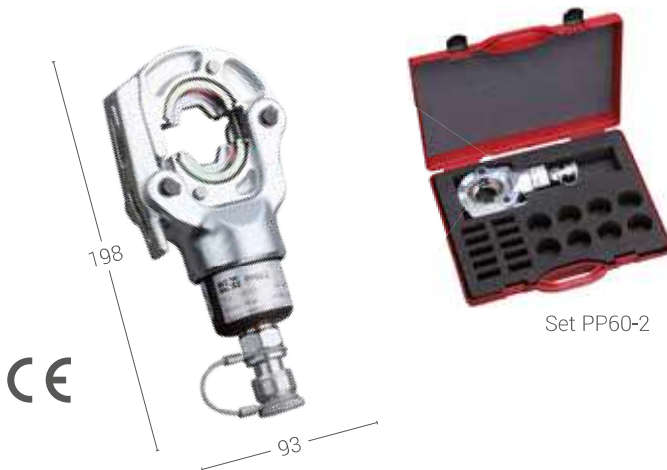
Tool dimensions: ..... 124 x 383 x 81 mm  
 Tool weight: ..... 3,3 kg (incl. battery)

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO60	560 x 357 x 118 mm	6,3 kg

Accessories see page 209 - 212

##### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case





## AP60-2 - Battery operated hydraulic crimping tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 334 x 75 mm  
 Tool weight: ..... 4,4 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	AP60-2	580 x 470 x 115 mm	7,8 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP60-2

5

SELECTION OF CRIMPING DIES	Pages 171 - 174
PLASTIC CASE FOR DIES	Page 174

MAIN CHARACTERISTICS PP130-C - HPI130-C - AP130-C

CRIMPING SECTION	max. 400 mm <sup>2</sup>
MAXIMUM STROKE	30 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 29 mm



PP130-C - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

Technical characteristics:

- Sturdy and compact structure
- C head for easy positioning of dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 128 x 254 x 78 mm  
 Tool weight: ..... 4,1 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-C	400 x 350 x 130 mm	5,6 kg

Set equipment:

- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies

HPI130-C - Hand operated hydraulic crimping tool

Technical characteristics:

- Sturdy and compact structure
- Snap closure crimping head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 222 x 561 x 78 mm  
 Tool weight: ..... 6,6 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HPI130-C	700 x 260 x 105 mm	8,2 kg

Set equipment:

- Test report
- Manual crimping tool
- Plastic case for crimping tool and 9 crimping dies



## AP130-C - Battery operated hydraulic crimping tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 401 x 79 mm  
 Tool weight: ..... 6,7 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-C	580 x 470 x 115 mm	10,1 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-C

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179

### MAIN CHARACTERISTICS PP130-C2 - AP130-C2

CRIMPING SECTION	max. 400 mm <sup>2</sup>
MAXIMUM STROKE	42 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 42 mm



### PP130-C2 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

#### Technical characteristics:

- Sturdy and compact structure
- C head for easy positioning of dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 129 x 271 x 78 mm  
 Tool weight: ..... 4,4 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-C2	400 x 350 x 130 mm	5,9 kg

#### Set equipment:

- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies



### HPI130-C2 - Hand operated hydraulic crimping tool

#### Technical characteristics:

- Sturdy and compact structure
- Snap closure crimping head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 225 x 577 x 78 mm  
 Tool weight: ..... 6,5 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HPI130-C2	700 x 260 x 105 mm	8,2 kg

#### Set equipment:

- Test report
- Manual crimping tool
- Plastic case for crimping tool and 9 crimping dies



## AP130-C2 - Battery operated hydraulic crimping Tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 417 x 79 mm  
 Tool weight: ..... 6,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-C2	580 x 470 x 115 mm	10,6 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-C2

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179

### MAIN CHARACTERISTICS PP130-H - HPI130-H - AP130-H

CRIMPING SECTION	max. 400 mm <sup>2</sup>
MAXIMUM STROKE	30 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 35 mm



Set PP130-H



Adapters and punch for deep indent crimp on request

### PP130-H - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

#### Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap
- Adapters and punch for deep indent crimping

Head opening: ..... 35 mm  
 Tool dimensions: ..... 78 x 263 x 70 mm  
 Tool weight: ..... 3,4 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-H	410 x 360 x 135 mm	5,1 kg

#### Set equipment:

- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies

### HPI130-H - Hand operated hydraulic crimping tool

#### Technical characteristics:

- Sturdy and compact structure
- Crimping H-head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position
- Adapters and punch for deep indent compression

Tool dimensions: ..... 174 x 569 x 78 mm  
 Tool weight: ..... 5,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HPI130-H	700 x 260 x 105 mm	7,6 kg

#### Set equipment:

- Test report
- Manual crimping tool
- Plastic case for crimping tool and 11 crimping dies



Set HPI130-H



Adapters and punch for deep indent crimping on request



5 Adapters and punch for deep indent crimping on request



## AP130-H - Battery operated hydraulic crimping tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 409 x 75 mm  
 Tool weight: ..... 6,2 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-H	580 x 470 x 115 mm	10,0 kg

Accessories see page 209 - 212

### Set equipment:

- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-H

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179



Main characteristics PP230

CRIMPING SECTION	max. 630 mm <sup>2</sup>
MAXIMUM STROKE	28 mm

CRIMPING FORCE	230 kN
OPERATING PRESSURE	700 bar (70 MPa)

PP230 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 230 kN (pages 201 - 208).

Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 121 x 286 x 88 mm

Tool weight: ..... 5,5 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP230	410 x 360 x 135 mm	7,2 kg

Set equipment:

- Hydraulic crimping head
- Plastic case for crimping head and two crimping dies and one adapter



Set PP230

SELECTION OF CRIMPING DIES	Pages 180 - 181
ADAPTER FOR CRIMPING DIES	Page 182

## SERIES 230 - 230 KN

### MAIN CHARACTERISTICS PP230-630

CRIMPING SECTION	max. 630 mm <sup>2</sup>
MAXIMUM STROKE	60 mm

CRIMPING FORCE	230 kN
OPERATING PRESSURE	700 bar (70 MPa)



### PP230-630 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 230 kN (pages 201 - 208).

#### Technical characteristics:

- Sturdy and compact structure
- The H - Bail allows simple inlaying from the cables
- This pressing tool can be used to crimp aluminium and bimetallic connectors by deep-step indent system

Tool dimensions: ..... 105 x 365 x 50 mm

Tool weight: ..... 8,5 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP230-630	440 x 270 x 150 mm	15 kg

#### Set equipment:

- Hydraulic crimping head
- Metal case



Set PP230-630

SERIES 520 - 520 KN

MAIN CHARACTERISTICS PP520

CRIMPING SECTION	max. 1.000 mm <sup>2</sup>
MAXIMUM STROKE	25 mm

CRIMPING FORCE	520 kN
OPERATING PRESSURE	700 bar (70 MPa)

PP520 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 520 kN (pages 201 - 208).

Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap
- Tilting system for coupler

Tool dimensions: ..... 218 x 261 x 124 mm

Tool weight: ..... 13,2 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP520	410 x 360 x 135 mm	15,4 kg

Set equipment:

- Hydraulic crimping head
- Plastic case for crimping head and two crimping dies



Set PP520



SELECTION OF CRIMPING DIES	Page 183
ADAPTER FOR CRIMPING DIES	Page 183

## SERIES 600 - 600 KN

### Main characteristics PP600

CRIMPING SECTION	max. 1.600 mm <sup>2</sup>
MAXIMUM STROKE	30 mm

CRIMPING FORCE	600 kN
OPERATING PRESSURE	700 bar (70 MPa)



### PP600 - Hydraulic Crimping Head - 600 kN

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 600 kN (pages 201 - 208).

#### Technical characteristics:

- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 200 x 335 x 130 mm

Tool weight: ..... 17 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP600	400 x 260 x 360 mm	26 kg

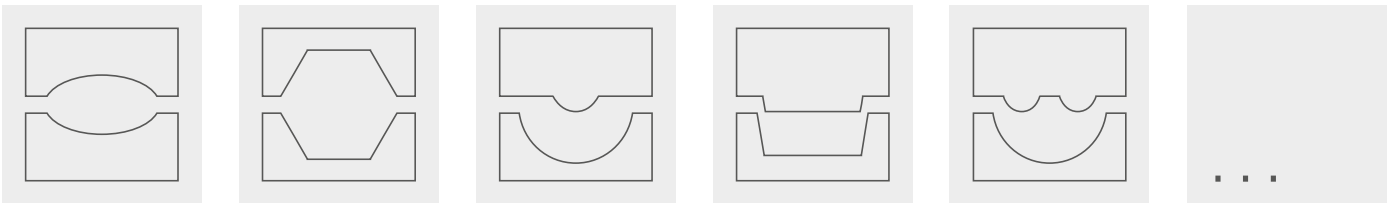
#### Set equipment:

- Hydraulic crimping head
- Metal case for crimping head



Set PP600

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METAL CASE FOR DIES	Page 184



# CRIMPING DIES

## CRIMPING DIES - SERIES 45

SERIES 45



HP45



STILO45



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

#### Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)



#### Aluminium

cable lugs (DIN 46239 - connectors (DIN 46267, part 2)



Cross section (mm <sup>2</sup> )	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-45			
10	6	5	MK6-45	10	7	MK10B-45
16	8	5	MK8-45	12	7	MK12B-45
25	10	5	MK10-45	14	7	MK14B-45
35	12	5	MK12-45	16	7	MK16B-45
50	14	5	MK14-45	18	7	MK18B-45
70	16	5	MK16-45	22	7	MK22B-45
95	18	5	MK18-45			
120	20	5	MK20-45			
150	22	5	MK22-45			

5



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

#### Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-45
7	5		50/8	MK7-45
9	5		70/12 95/15	MK9-45
	5			
13	7	16/2,5 25/4		MK12B-45
15	7	35/6		MK14B-45
17	7	50/8		MK16B-45
19	7	70/12		MK18B-45
22	7	95/15		MK22B-45



### I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm <sup>2</sup> )		Compr. width (mm)	Order No.
Rigid	Flexible		
10		7	U4-K07M
16		7	U4-K08M
25		7	U4-K10M
35	35	7	U4-K11M
50	50	7	U4-K13M
70	70	7	U4-K14
95	95	7	U4-K17M
120	120	7	U4-K18
150	150	7	U4-K20D



### R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
6	5	MH6-45
10	7	MH10-45
16	7	MH16-45
25	7	MH25-45
35	7	MH35-45
50	7	MH50-45
70	7	MH70-45
95	7	MH95-45
120	7	MH120-45
150	7	MH150-45



### WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	20	MTT10-45
16	20	MTT16-45
25	20	MTT25-45
35	20	MTT35-45
50	20	MTT50-45
70	20	MTT70-45
95	20	MTT95-45



### WIRE END SLEEVES

Circular I-CRIMP crimping dies for wire end sleeve



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
6	18	MIAE6-45
10	18	MIAE10-45
16	18	MIAE16-45
25	18	MIAE25-45
35	18	MIAE35-45
50	18	MIAE50-45
70	18	MIAE70-45
95	18	MIAE95-45
120	18	MIAE120-45
150	18	MIAE150-45



Round dies to round off copper and aluminum sector shaped conductor

Type

SE\*

SM\*\*

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Compr. width (mm)	Order No.
10	20		MR4,1-45
16	20		MR5,1-45
25	20	MR5,1-45	MR6,3-45
35	20	MR6,3-45	MR7,5-45
50	20	MR7,5-45	MR9,0-45
70	20	MR9,0-45	MR10,5-45
95	20	MR10,5-45	MR12,5-45
120	20	MR12,5-45	MR14,0-45
150	20	MR14,0-45	MR15,7-45
185	20	MR15,7-45	

### Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for dies 45kN-60kN	KKPE-45-50	250 x 170 x 50 mm	200 g



Plastic case - KKPE-45-50

\* SE sector solid

\*\* SM sector multi-stranded

## CRIMPING DIES - SERIES 50 - SERIES 60-1/3



Cross section (mm <sup>2</sup> )	Copper			Aluminum		
	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-50			
10	6	5	MK6-50	10	7	MK10B-50
16	8	5	MK8-50	12	7	MK12B-50
25	10	5	MK10-50	14	7	MK14B-50
35	12	5	MK12-50	16	7	MK16B-50
50	14	5	MK14-50	18	7	MK18B-50
70	16	5	MK16-50	22	7	MK22B-50
95	18	5	MK18-50	25	7	MK25B-50
120	20	5	MK20-50	28	7	MK28B-50
150	22	5	MK22-50	32	5	MK32-50V
185	25	5	MK25-50			
240	28	5	MK28-50			

Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-50
7	5		50/8	MK7-50
9	5		70/12 95/15	MK9-50
11	5		25	MK11-50
12	7	16/2,5 25/4		MK12B-50
13	5		120/20 150/25	MK13-50
14	7	35/6		MK14B-50
16	7	50/8		MK16B-50
22	7	95/15		MK22B-50
25	7	44/32 50/30 120/20		MK25B-50
28	7	125/30 150/25		MK28B-50

For the compression dies of tool MP60-1 Opening Spring (Order ref. OEF1) is also required



## CRIMPING DIES - SERIES 50 - SERIES 60-1/3

### I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm <sup>2</sup> )		Compr. width (mm)	Order No.
Rigid	Flexible		
10		7	U5-K07M
16		7	U5-K08M
25		7	U5-K10M
35	35	7	U5-K11M
50	50	7	U5-K13M
70	70	7	U5-K14
95	95	7	U5-K17M
120	120	7	U5-K18
150	150	7	U5-K20D
185	185	7	U5-K22D
240	240	7	U5-K25M

### I-SERIES CABLE LUGS

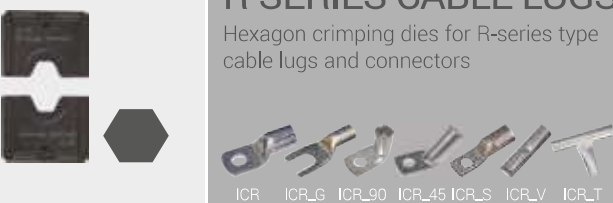
Hexagon I-CRIMP crimping dies for I-series type cable lugs and connectors



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	7	U5-I10
16	7	U5-I16
25	7	U5-I25
35	7	U5-I35
50	7	U5-I50
70	7	U5-I70
95	7	U5-I95
120	7	U5-I120
150	7	U5-I150
185	7	U5-I185
240	7	U5-I240

### R-SERIES CABLE LUGS


Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
6	5	MH6-50
10	7	MH10-50
16	7	MH16-50
25	7	MH25-50
35	7	MH35-50
50	7	MH50-50
70	7	MH70-50
95	7	MH95-50
120	7	MH120-50
150	7	MH150-50
185	7	MH185-50
240	5	MH240-50

### INSULATED CABLE LUGS

Oval crimping dies for insulated cable lugs



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	9	U5-P10
16	9	U5-P16
25	9	U5-P25
35	9	U5-P35
50	9	U5-P50
70	9	U5-P70
95	7	U5-P95
120	7	U5-P120

### TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solderless conn. DIN 46341, steel cable lug



Cross section (mm <sup>2</sup> )	Order No.
10	MD10-50
16	MD16-50
25	MD25-50
35	MD35-50
50	MD50-50
70	MD70-50
95	MD95-50

### FINE WIRE

Indent crimping dies for fine wire conductors F-series



Cross section (mm <sup>2</sup> )	Order No.
10	MDF10-50
16	MDF16-50
25	MDF25-50
35	MDF35-50
50	MDF50-50

## CRIMPING DIES - SERIES 50 - SERIES 60-1/3



**WIRE END SLEEVES**  
Trapezoid crimping dies for wire end sleeve




Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	20	MTT10-50
16	20	MTT16-50
25	20	MTT25-50
35	20	MTT35-50
50	20	MTT50-50
70	20	MTT70-50
95	20	MTT95-50




**WIRE END SLEEVES**  
Circular I-CRIMP crimping dies for wire end sleeve



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	18	U5-T10
16	18	U5-T16
25	18	U5-T25
35	18	U5-T35
50	18	U5-T50
70	18	U5-T70
95	18	U5-T95
120	18	U5-T120



**C- CLAMP**  
Oval crimping dies for C-branch terminals




Cross section (mm <sup>2</sup> )		Order No.
Main	Branch	
6 ÷ 2,5	6 ÷ 1,5	U5-DC6
10	10 ÷ 1,5	U5-DC10
16	16 ÷ 1,5	U5-DC25
25	25 ÷ 16	U5-DC35
35	16 ÷ 1,5	U5-DC35
35	35 ÷ 25	U5-DC35
50	25 ÷ 6	U5-DC70
70 ÷ 50	35 ÷ 6	U5-DC70
70 ÷ 50	70 ÷ 35	U5-DC70




**MV CABLE LUGS**  
Hexagon crimping dies for medium voltage type copper cable lugs and connectors




Cross section (mm <sup>2</sup> )	Order No.
25	U5-E96
35	U5-E118
50 RC	U5-E118
50 S	U5-E118
70	U5-E158
95 RC	U5-E173
120 ÷ 95 S	U5-E173
150 RC ÷ 120 S ÷ 125 C	U5-E190




**LV OVERHEAD CABLE LUGS**  
Hexagon crimping dies for Al/Cu lugs and uninsulated/insulated connectors type cable lugs and connectors for low voltage overhead cables



Cross section (mm <sup>2</sup> )		Order No.	
		Uninsulated	Insulated
35 Al			U5-E173
35 Al	25 Cu	U5-E113	
35 Al	35 Al	U5-E113	
54,6 Aldr.		U5-E173	
54,6 Aldr.	25 Cu	U5-E173	
70 Al			
70 Al	35 Al	U5-E173	
70 Al	50 Cu	U5-E173	
70 Al	70 Al	U5-E173	




**FULL TENSION CONNECTORS**  
Hexagon crimping dies for Al and Cu full tension connectors for low voltage overhead cables



Cross section (mm <sup>2</sup> )	Order No.
10 Cu	U5-E70
16 Cu	U5-E75
25 Cu	U5-E96
35 Al	U5-E118
35 Cu	U5-E118
54,6 Aldr.	U5-E140
70 Al	U5-E158
70 Cu	U5-E158

CRIMPING DIES - SERIES 50 - SERIES 60-1/3

		Oval crimping dies for the compression of dead-ends and oval connectors according to DIN 48217 and H branch terminals (not for MP60-3)			
		Dead end clamps and oval connectors			H-Clamp Copper
		Copper	Aluminum	Steel	
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Order No.	Order No.	Order No.
6RE*	5	MO7-50			
6	5				MO10-50
10	5				
10RE*	5	MO8-50	MO10-50		
10RM**	5	MO10-50			
16RE*	5				
16	5	MO12-50	MO12-50		MO16-50
25	5	MO16-50	MO16-50		MO18-50
35	5	MO18-50	MO18-50	MO18-50	MO21-50
50	5	MO20-50	MO20-50	MO20-50	
70	5	MO22-50	MO22-50	MO22-50	
95	5	MO24-50	MO24-50		
120	5		MO26-50		

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		NOTCH CONNECTOR		
		Oval crimping dies for notch connector (not for MP60-3)		
		Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm <sup>2</sup> )	Order No.	Order No.	Order No.	
10	MK010-50CU			
16	MK016-50CU			
25	MK025-50CU	MK025-50AL		
35/6			MK035/6-50	
35	MK035-50CU	MK035-50AL		
50	MK050-50CU	MK050-50AL		
50/8			MK050/8-50	
50/30			MK050/30-50	
70	MK070-50CU	MK070-50AL		
70/12			MK070/12-50	
95	MK095-50CU	MK095-50AL		
120	MK0120-50CU	MK0120-50AL		

\* SE sector solid

\*\* SM sector multi-stranded

## CRIMPING DIES - SERIES 50 - SERIES 60-1/3



Round dies to round off copper and aluminum sector shaped conductor

Type			
SE*		SM**	
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Order No.
10	20		MR4,1-50
16	20		MR5,1-50
25	20		MR6,3-50
35	20	MR6,3-50	MR7,5-50
50	20	MR7,5-50	MR9,0-50
70	20	MR9,0-50	MR10,5-50
95	20	MR10,5-50	MR12,5-50
120	20	MR12,5-50	MR14,0-50
150	20	MR14,0-50	MR15,7-50
185	20	MR15,7-50	MR17,5-50
240	20	MR17,5-50	MR20,2-50
300°	20	MR20,2-50°	



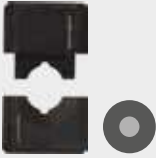
### I-SERIES CABLE LUGS

Indent crimping dies for I-series cablelugs and connectors



CH-M., CH-M.-90 CH-M.-45 CTT-., CH-M.-CL CH-M.-SF

Die reference	Indent	Cross section mm <sup>2</sup>		No. of crimpings
		rigid	flexible	
U5-S6	U5-PZ6	4-16		1
U5-S16	U5-PZ25	10		1
U5-S25		16		1
U5-S35	U5-PZ50	25	25	1
U5-S50		35	35	
		50	50	1
U5-S70	U5-PZ95	50	50	1
U5-S95		70	70	
		95	95	1
U5-S120	U5-PZ120	120	95 120	1



### STRIP OFF ACSR

Strip off Aluminum part of ACSR cables\*\*\*

Cross section (mm <sup>2</sup> )	Order No.
25/4	AL-ST25/4-50
35/6	AL-ST35/6-50
50/8	AL-ST50/8-50
70/12	AL-ST70/12-50
95/15	AL-ST95/15-50
120/20	AL-ST120/20-50



### I-SERIES CABLE LUGS

I crimping dies for the compression of tubular cablelugs for flexible conductor / class 5 / 6



CH-M.-SF

Die reference	Cross section mm <sup>2</sup>	Width	No. of crimpings
U5-FI35	35	7	1
U5-FI50	50	7	2
U5-FI70	70	7	2
U5-FI95	95	7	2
U5-FI120	120	7	2
U5-FI150	150	7	3
U5-FI185	185	7	3



Plastic case - KKPE-45-50

### Adapter for crimping dies 45 kN

Allows use of all dies for the tool 45kN on models HP50, HP60-3, PP60-1 and AP60-1, except MIAEXX-45

Description	Order No.	Dimensions	Weight
Adapter	AD50-45	45 kN	50 g

### Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for dies 45kN-60kN	KKPE-45-50	250 x 170 x 50 mm	200 g

\* SE sector solid  
 \*\* SM sector multi-stranded  
 \*\*\* depending on type and size of joining accessories  
 ° not for HP50

SERIES 50



MP60-2

PP60-2

HP60-4

STILO60

AP60-2

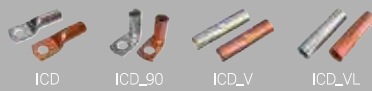
### DIN STANDARD

Hexagon crimping dies according to DIN 48083



#### Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)



ICD

ICD\_90

ICD\_V

ICD\_VL

#### Aluminum

cable lugs (DIN 46239) - connectors (DIN 46267, part 2)



ICAL\_LD

ICAL\_LD\_V

ICAL

ICAL\_V

ICAL\_V30

ICAL\_CU

ICAL\_CU\_V

Cross section (mm <sup>2</sup> )	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-CK			
10	6	5	MK6-CK	10	7	MK10B-CK
16	8	5	MK8-CK	12	7	MK12B-CK
25	10	5	MK10-CK	14	7	MK14B-CK
35	12	5	MK12-CK	16	7	MK16B-CK
50	14	5	MK14-CK	18	7	MK18B-CK
70	16	5	MK16-CK	22	7	MK22B-CK
95	18	5	MK18-CK	25	7	MK25B-CK
120	20	5	MK20-CK	28	7	MK28B-CK
150	22	5	MK22-CK	32	7	MK32B-CK
185	25	5	MK25-CK	34	5	MK34-CK
240	28	5	MK28-CK			
300	32	5	MK32-CK			

### DIN STANDARD


Hexagon crimping dies according to DIN 48083




#### Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-CK
7	5		50/8	MK7-CK
9	5		70/12 95/15	MK9-CK
12	7	16/2,5 25/4		MK11B-CK
13	5		120/20 150/25	MK13-CK
14	7	35/6		MK14B-CK
16	7	50/8		MK16B-CK
18	7	70/12		MK18B-CK
22	7	95/15		MK22B-CK
25	7	44/32 50/30 120/20		MK25B-CK
28	7	125/30 150/25		MK28B-CK

## CRIMPING DIES - SERIES 60-2/4






**R-SERIES CABLE LUGS**  
Hexagon *i*crimping dies for R-series type cable lugs and connectors




ICR ICR\_G ICR\_90 ICR\_45 ICR\_S ICR\_V ICR\_T

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
6	5	MI6-CK
10	5	MI10-CK
16	5	MI16-CK
25	5	MI25-CK
35	5	MI35-CK
50	5	MI50-CK
70	5	MI70-CK
95	5	MI95-CK
120	5	MI120-CK
150	5	MI150-CK
185	5	MI185-CK
240	5	MI240-CK
300	5	MI300-CK






**R-SERIES CABLE LUGS**  
Hexagon crimping dies for R-series type cable lugs and connectors




ICR ICR\_G ICR\_90 ICR\_45 ICR\_S ICR\_V ICR\_T

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
6	5	MH6-CK
10	5	MH10-CK
16	5	MH16-CK
25	5	MH25-CK
35	5	MH35-CK
50	5	MH50-CK
70	5	MH70-CK
95	5	MH95-CK
120	5	MH120-CK
150	5	MH150-CK
185	5	MH185-CK
240	5	MH240-CK
300	5	MH300-CK

**FINE WIRE**  
Hexagon *i*crimping dies for F-series type cable lugs and connectors



ICF ICF\_90 ICF\_S ICF\_90S ICF\_V

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	5	MFI10-CK
16	5	MFI16-CK
25	5	MFI25-CK
35	5	MFI35-CK
50	5	MFI50-CK
70	5	MFI70-CK
95	5	MFI95-CK
120	5	MFI120-CK
150	5	MFI150-CK
185	5	MFI185-CK
240	5	MFI240-CK
300	5	MFI300-CK






**FINE WIRE**  
Indent crimping dies for fine wire conductors F-series




ICF ICF\_90 ICF\_S ICF\_90S ICF\_V

Cross section (mm <sup>2</sup> )	Order No.
10	MDF10-CK
16	MDF16-CK
25	MDF25-CK
35	MDF35-CK
50	MDF50-CK
70	MDF70-CK

**I-SERIES CABLE LUGS**  
Hexagon *i*crimp crimping dies for I-series type cable lugs and connectors



CI CL90 CL45 CTT CLCL CLPR

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	7	U6-I10
16	7	U6-I16
25	9	U6-I25
35	5	U6-I35
50	5	U6-I50
70	5	U6-I70
95	5	U6-I95
120	5	U6-I120
150	5	U6-I150
185	5	U6-I185
240	5	U6-I240
300	5	U6-I300



### INSULATED TERMINALS

Circular crimping dies for insulated terminals DIN 46237 and insulated pin terminals DIN 46231



Cross section (mm <sup>2</sup> )	Order No.
10	MIQ10-CK
16	MIQ16-CK
25	MIQ25-CK
35	MIQ35-CK
50	MIQ50-CK
70	MIQ70-CK
95	MIQ95-CK



### TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solderless conn. DIN 46341, steel cable lug



Cross section (mm <sup>2</sup> )	Order No.
10	MD10-CK
16	MD16-CK
25	MD25-CK
35	MD35-CK
50	MD50-CK
70	MD70-CK



### WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	20	MTT10-CK
16	20	MTT16-CK
25	20	MTT25-CK
35	20	MTT35-CK
50	20	MTT50-CK
70	20	MTT70-CK
95	20	MTT95-CK
120	20	MTT120-CK
150	20	MTT150-CK
185	20	MTT185-CK
240	20	MTT240-CK



### WIRE END SLEEVES


Circular I-CRIMP crimping dies for wire end sleeve




Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	18	MIAE10-CK
16	18	MIAE16-CK
25	18	MIAE25-CK
35	18	MIAE35-CK
50	18	MIAE50-CK
70	18	MIAE70-CK
95	18	MIAE95-CK
120	18	MIAE120-CK
150	18	MIAE150-CK
185	18	MIAE185-CK
240	18	MIAE240-CK



## CRIMPING DIES - SERIES 60-2/4

 <b>NOTCH CONNECTOR</b> Oval crimping dies for notch connector			
	Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm <sup>2</sup> )	Order No.	Order No.	Order No.
10	MK010-CK-CU		
16	MK016-CK-CU		
25	MK025-CK-CU	MK025-CK-AL	
35	MK035-CK-CU	MK035-CK-AL	
50	MK050-CK-CU	MK050-CK-AL	
50/8			MK050/8-CK
50/30			MK050/30-CK
70	MK070-CK-CU	MK070-CK-AL	
70/12			MK070/12-CK
95/15			MK095/15-CK

 Round dies to round off copper and aluminum sector shaped conductor				
Cross section (mm <sup>2</sup> )		Compr. width (mm)	Order No.	Order No.
10	20			MR4,1-CK
16	20			MR5,1-CK
25	20			MR6,3-CK
35	20	MR6,3-CK	MR7,5-CK	
50	20	MR7,5-CK	MR9,0-CK	
70	20	MR9,0-CK	MR10,5-CK	
95	20	MR10,5-CK	MR12,5-CK	
120	20	MR12,5-CK	MR14,0-CK	
150	20	MR14,0-CK	MR15,7-CK	
185	20	MR15,7-CK	MR17,5-CK	
240	20	MR17,5-CK	MR20,2-CK	
300	20	MR20,2-CK		

### Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for 24 crimping dies for 60kN	KKPE-C-CK	410 x 360 x 110 mm	1,4 kg



Plastic case - KKPE-C-CK

 <b>H BRANCH TERMINALS</b> Oval crimping dies for H branch terminals			 <b>TWIN CABLE LUGS</b> Oval crimping dies for twin cable lugs	
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Compr. width (mm)	Order No.
2 x 50	5	MRH22-CK	5	MRD22-CK
2 x 70	5	MRH26-CK	5	MRD24-CK

\* SE sector solid

\*\* SM sector multi-stranded



SERIES 130



Cross section (mm <sup>2</sup> )	Copper			Aluminum		
	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
10	6	5	MK6-C			
16	8	14	MK8-C			
25	10	14	MK10-C	12	14	MK12-C
35	12	14	MK12-C	14	14	MK14-C
50	14	14	MK14-C	16	14	MK16-C
70	16	14	MK16-C	18	14	MK18-C
95	18	14	MK18-C			
120	20	14	MK20-C	22	14	MK22-C
150	22	14	MK22-C	25	14	MK25-C
185	25	14	MK25-C	28	14	MK28L-C
240	28	10	MK28-C	32	17	MK32L-C
300	32	7	MK32-C	34	17	MK34L-C

DIN STANDARD				
Hexagon crimping dies according to DIN 48083				
Aluminum-Steel connectors				
Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-C
7	5		50/8	MK7-C
9	5		70/12 95/15	MK9-C
12	14	16/2,5 25/4		MK12-C
13	12		120/20 150/25	MK13-C
14	14	35/6		MK14-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	MK15-C
16	14	50/8		MK16-C
17	12		210/50 300/50 380/50 510/45 560/50 650/45	MK17-C
18	14	70/12		MK18-C
19	12		95/55 435/55	MK19-C
25	14	44/32 50/30 120/20		MK25-C
28	14	125/30 150/25		MK28L-C
30	14	95/55 170/40 185/30		MK30L-C
34	17	105/75 120/70 210/35 210/50 230/30 240/40		MK34L-C

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## CRIMPING DIES - SERIES 130



### R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



ICR ICR\_G ICR\_90 ICR\_45 ICR\_S ICR\_V ICR\_T

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	8	MH10-C
16	8	MH16-C
25	10	MH25-C
35	14	MH35-C
50	14	MH50-C
70	14	MH70-C
95	14	MH95-C
120	14	MH120-C
150	14	MH150-C
185	14	MH185-C
240	14	MH240-C
300	7	MH300-C
400	7	MH400-C



### I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



CI CL\_90 CL\_45 CTT CL\_CL CL\_PR

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	7	U13-K07M
16	7	U13-K08M
25	12	U13-K10M
35	12	U13-K11M
50	12	U13-K13M
70	12	U13-K14
95	12	U13-K17M
120	12	U13-K18
150	12	U13-K20D
185	14	U13-K22D
240	14	U13-K25M
300	7	U13-K28D
400	7	U13-K34D



### BRITISH STANDARD

Hexagon crimping dies according British Standard or equivalent

Copper

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	10	BS10-C
16	10	BS16-C
25	10	BS25-C
35	14	BS35-C
50	14	BS50-C
70	16	BS70-C
95	16	BS95-C
120	16	BS120-C
150	16	BS150-C
185	16	BS185-C
240	14	BS240-C
300	7	BS300-C
400	7	BS400-C



### FINE WIRE

Indent crimping dies for fine wire conductors F-series



ICF ICF\_90 ICF\_S ICF\_90S ICF\_V

Cross section (mm <sup>2</sup> )	Order No.
16	MDF16-C
25	MDF25-C
35	MDF35-C
50	MDF50-C
70	MDF70-C
95	MDF95-C
120	MDF120-C
150	MDF150-C



### INSULATED TERMINALS

Circular crimping dies for insulated terminals DIN 46237 and insulated pin terminals DIN 46231



Cross section (mm <sup>2</sup> )	Order No.
10	MIQ10-C
16	MIQ16-C
25	MIQ25-C
35	MIQ35-C
50	MIQ50-C
70	MIQ70-C
95	MIQ95-C
120	MIQ120-C




### TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solderless conn. DIN 46341, steel cable lug




ICO ICO\_G ICO\_ST ICO\_PV ICO\_PVL ICVA/ICNI

Cross section (mm <sup>2</sup> )	Order No.
16	MD16-C
25	MD25-C
35	MD35-C
50	MD50-C
70	MD70-C
95	MD95-C
120	MD120-C
150	MD150-C




**INSULATED CABLE LUGS**  
Oval crimping dies for insulated cable lugs

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
10	9	U13-P10
16	9	U13-P16
25	9	U13-P25
35	9	U13-P35
50	9	U13-P50
70	9	U13-P70
95	16	U13-P95
120	16	U13-P120
150	16	U13-P150




**INSULATED CABLE LUGS**  
Oval crimping dies for insulated cable lugs

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
16	20	MTT16-C
25	20	MTT25-C
35	20	MTT35-C
50	26	MTT50-C
70	26	MTT70-C
95	26	MTT95-C
120	26	MTT120-C
150	26	MTT150-C
185	26	MTT185-C
240	28	MTT240-C



**MV CABLE LUGS**  
Hexagon crimping dies for medium voltage type copper cable lugs and connectors

Cross section (mm <sup>2</sup> )	Order No.
25	MMT25-C
35	MMT50-C
50 RC	
50 S	
70	MMT95-C
95 RC	
120 ÷ 95 S	
150 ÷ 95 S	MMT200-C
150 RC ÷ 120 S ÷ 125C	
240 RC ÷ 185 S	
300 RC ÷ 300 S	MMT315-C
300 S	
400 RC	



**LV OVERHEAD CABLE LUGS**  
Hexagon crimping dies for Al/Cu lugs and uninsulated/insulated connectors type cable lugs and connectors for low voltage overhead cables

Cross section (mm <sup>2</sup> )	Order No.	
	Uninsulated	Insulated
35 Al	U13-E113	U13-E173
35 Al 25 Cu		
35 Al 35 Al		
54,6 Aldr.	U13-E173	
54,6 Aldr. 25 Cu		
70 Al	U13-E173	
70 Al 35 Al		
70 Al 50 Cu		
70 Al 70 Al		



**FULL TENSION CONNECTORS**  
Hexagon crimping dies for Al and Cu full tension connectors for low voltage overhead cables


Cross section (mm <sup>2</sup> )	Order No.
10 Cu	U13-E70
16 Cu	U13-E75
25 Cu	U13-E96
35 Al	U13-E118
35 Cu	
54,6 Aldr.	U13-E140
70 Al	U13-E158
70 Cu	



**AL-ALLOY OVERHEAD CABLE LUGS**  
Hexagon crimping dies for Al/Cu type cable lugs for low Al-alloy overhead cables


Cross section (mm <sup>2</sup> )	Order No.
35 Al	U13-E118
70 Al	U13-E158
150 Al	U13-E215

## CRIMPING DIES - SERIES 130





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

		Dead end clamps and oval connectors			H-Clamp
		Copper	Aluminum	Steel	Copper
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Order No.	Order No.	Order No.
10	5	MO10-C	MO10-C		
16	5	MO12-C	MO12-C		MO16-C
25	5	MO16-C	MO16-C		MO18-C
35	5	MO18-C	MO18-C	MO18-C	MO21-C
50	5	MO20-C	MO20-C	MO20-C	
70	5	MO22-C	MO22-C	MO22-C	
95	5	MO24-C	MO24-C	MO25-C	
120	5	MO26-C	MO26-C		



### H BRANCH TERMINALS


Oval crimping dies for H branch terminals

### TWIN CABLE LUGS


Oval crimping dies for twin cable lugs

Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Compr. width (mm)	Order No.
2 x 50	30	MRH22-C	12	MRD22-C
2 x 70	30	MRH26-C	12	MRD24-C
2 x 95	30	MRH30-C	12	MRD29-C
2 x 120	2x5	MRH32-C	12	MRD32-C




### C CONNECTORS

Oval crimping dies for copper C connectors for Italian type or equivalent



Cross section (mm <sup>2</sup> )		Order No.
Run	Tap	
10	10 ÷ 1,5	U13-DC10
16	16 ÷ 1,5	
25 ÷ 16	10 ÷ 1,5	U13-DC25
25	25 ÷ 16	
40 ÷ 35	16 ÷ 1,5	
40 ÷ 35	40 ÷ 25	U13-DC35
50	25 ÷ 10	
70 ÷ 63	25 ÷ 1,5	
50	25 ÷ 4	
50	50 ÷ 35	U13-DC70
70 ÷ 50	40 ÷ 4	
70 ÷ 50	70 ÷ 35	
100 ÷ 95	40 ÷ 4	
100 ÷ 95	70 ÷ 40	U13-DC95
100 ÷ 95	100 ÷ 63	
125 ÷ 110	125 ÷ 25	
160 ÷ 150	125 ÷ 25	U13-DC185
150	150 ÷ 63	
185	100 ÷ 16	



Round dies to round off copper and aluminum sector shaped conductor

		Type	
		SE	SM
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Order No.
10	35		MR4,1-C
16	35		MR5,1-C
25	35	MR5,1-C	MR6,3-C
35	35	MR6,3-C	MR7,5-C
50	35	MR7,5-C	MR9,0-C
70	35	MR9,0-C	MR10,5-C
95	35	MR10,5-C	MR12,5-C
120	35	MR12,5-C	MR14,0-C
150	35	MR14,0-C	MR15,7-C
185	35	MR15,7-C	MR17,5-C
240	35	MR17,5-C	MR20,2-C
300	35	MR20,2-C	MR22,5-C



### STRIP OFF ACSR

Strip off Aluminum part of ACSR cables\*\*\*

Cross section (mm <sup>2</sup> )	Order No.
50/8	AL-ST 50/8-C
50/30	AL-ST 50/30-C
70/12	AL-ST 70/12-C
95/15	AL-ST 95/15-C
95/55	AL-ST 95/55-C
120/20	AL-ST 120/20-C
150/25	AL-ST 150/25-C
170/40	AL-ST 170/40-C
185/30	AL-ST 185/30-C
210/35	AL-ST 210/35-C
240/40	AL-ST 240/40-C
265/35	AL-ST 265/35-C



### I-SERIES CABLE LUGS

Indent crimping dies for I-series cablelugs and connectors



CH-M., CH-M.-90 CH-M.-45 CTT-., CH-M.-CL CH-M.-PR

Die reference	Indent	Cross section mm <sup>2</sup>		No. of crimpings
		rigid	flexible	
U13-S6	U13-PZ6	4-6		1
U13-S16	U13-PZ25	10		1
		16		
U13-S25		25		1
U13-S35	U13-PZ50	35	25	1
				35
U13-S50		50	35	1
			50	
U13-S70	U13-PZ95	70	50	1
				70
U13-S95		95	70	1
			95	
U13-S120	U13-PZ120	120	95	1
			120	
U13-S150		150	120	
			150	
U13-S185	U13-PZ240	185	150	
			185	
U13-S240		240	185	
			240	
U13-S300	U13-PZ300	300	240	
			300	



Plastic case - KKPE-C-CK



Plastic case - KKPE-TN

### Plastic cases for crimping dies

Description	Order No.	Dimensions	Weight
Case for 24 crimping dies for 130kN	KKPE-C-CK	410 x 360 x 110 mm	1,4 kg
Case for deep indent dies	KKPE-TN	410 x 360 x 110 mm	1,4 kg

\* SE sector solid

\*\* SM sector multi-stranded

\*\*\* depending on type and size of joining accessories

## CRIMPING DIES - SERIES 230

SERIES 230



PP230



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

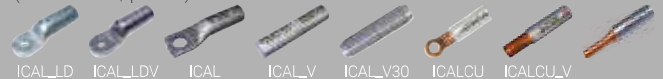
#### Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)



#### Aluminum

cable lugs (DIN 46239) - connectors (DIN 46267, part 2)



Cross section (mm <sup>2</sup> )	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
16				12	14	MK12-230
25	10	14	MK10-230			
35	12	14	MK12-230	14	14	MK14-230
50	14	14	MK14-230	16	14	MK16-230
70	16	14	MK16-230	18	12	MK18-230
95	18	12	MK18-230			
120	20	14	MK20-230	22	40	MK22B-230
150	22	14	MK22-230	25	40	MK25B-230
185	25	14	MK25-230	28	40	MK28B-230
240	28	14	MK28-230	32	25	MK32B-230
300	32	17	MK32-230	34	25	MK34B-230
400	38	17	MK38-230	38	25	MK38B-230
500	42	17	MK42-230	44	17	MK44-230
630	44	17	MK44-230	46	25	MK46B-230



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

#### Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
12	14	16/2,5 25/4		MK12-230
13	14		120/20 150/25	MK13-230
14	14	35/6		MK14-230
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	MK15-230
16	14	50/8		MK16-230
17	14		210/50 300/50 380/50 510/45 560/50 650/45	MK17-230
18	14	70/12		MK18-230
19	14		95/55 435/55	MK19-230
21	14		105/75 120/70 490/65 550/70	MK21-230
22	40	95/15		MK22B-230
23	14		680/85	MK23-230
25	40	44/32 50/30 120/20		MK25B-230
28	40	125/30 150/25		MK28B-230
30	25	95/55 170/40 185/30		MK30B-230
34	25	105/75 120/70 210/35 210/50 230/30 240/40		MK34B-230
38	25	265/35 300/50 305/40 340/30		MK38B-230
42	25	380/50 385/35		MK42B-230



**R-SERIES CABLE LUGS**  
Hexagonal crimping dies for R-series type cable lugs and connectors

ICR ICR\_G ICR\_90 ICR\_45 ICR\_LS ICR\_LV ICR\_T

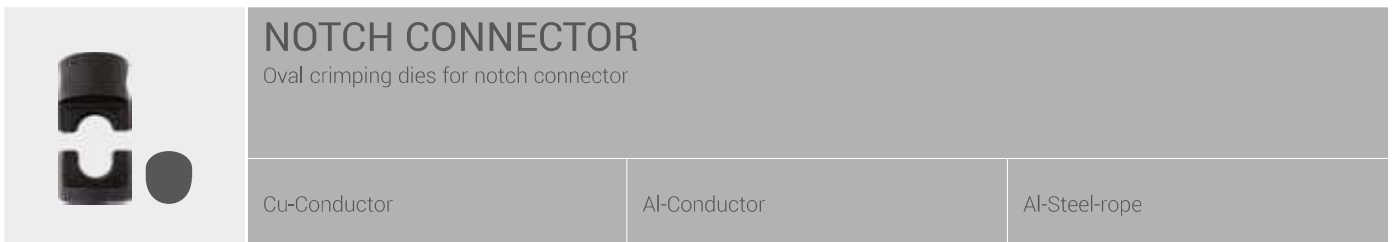
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.
120	14	MH120-230
150	14	MH150-230
185	14	MH185-230
240	17	MH240-230
300	17	MH300-230
400	17	MH400-230
500	17	MH500-230
630	17	MH625-230



**FINE WIRE**  
Indent crimping dies for fine wire conductors F-series

CI CL90 CL45 CTT CLCL CLPR

Cross section (mm <sup>2</sup> )	Order No.
120	MDF120-230
150	MDF150-230
185	MDF185-230
240	MDF240-230
300	MDF300-230



**NOTCH CONNECTOR**  
Oval crimping dies for notch connector

Cross section (mm <sup>2</sup> )	Cu-Conductor	Al-Conductor	Al-Steel-rope
	Order No.	Order No.	Order No.
10	MK010-230-CU		
16	MK016-230-CU		
25	MK025-230-CU	MK025-230-AL	
35	MK035-230-CU	MK035-230-AL	
50	MK050-230-CU	MK050-230-AL	
50/8			MK050/8-230
50/30			MK050/30-230
70	MK070-230-CU	MK070-230-AL	
70/12			MK070/12-230
95	MK095-230-CU	MK095-230-AL	
95/15			MK095/15-230
120	MK0120-230-CU	MK0120-230-AL	
120/21			MK0120/21-230
125/30			MK0125/30-230
150	MK0150-230-CU	MK0150-230-AL	
150/25			MK0150/25-230
185		MK0185-230-AL	
185/32			MK0185/32-230
240		MK0240-230-AL	
210/36			MK0210/36-230
210/50			MK0210/50-230
240/40			MK0240/40-230

## CRIMPING DIES - SERIES 230

H BRANCH TERMINALS			TWIN CABLE LUGS	
Oval crimping dies for H branch terminals			Oval crimping dies for twin cable lugs	
				
Cross section (mm <sup>2</sup> )	Compr. width (mm)	Order No.	Compr. width (mm)	Order No.
2 x 50	40	MRH22-230	40	MRD22-230
2 x 70	40	MRH26-230	40	MRD24-230
2 x 95	40	MRH30-230	40	MRD29-230
2 x 120	40	MRH32-230	40	MRD32-230
2 x 150	40	MRH34-230		

5



### Adapter for crimping dies 130 kN

Allows use of all dies up to 185<sup>2</sup> (C-shape) for the tool 130kN on model PP230

Description	Order No.	For Dies	Weight
Adapter	AD230-130	130 kN	0,82 kg



SERIES 520



PP520



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

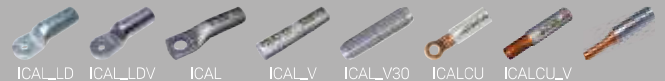
#### Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)



#### Aluminum

cable lugs (DIN 46239) - connectors (DIN 46267, part 2)



Cross section (mm <sup>2</sup> )	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
16				12	14	MK12-520
25						
35	12	14	MK12-520	14	14	MK14-520
50	14	14	MK14-520	16	14	MK16-520
70	16	14	MK16-520	18	14	MK18-520
95	18	14	MK18-520			
120	20	14	MK20-520	22	40	MK22B-520
150	22	14	MK22-520	25	40	MK25B-520
185	25	14	MK25-520	28	40	MK28B-520
240	28	14	MK28-520	32	40	MK32B-520
300	32	17	MK32-520	34	40	MK34B-520
400	38	17	MK38-520	38	40	MK38B-520
500	42	17	MK42-520	44	40	MK44B-520
630	44	17	MK44-520	52	40	MK52B-520
800	52	25	MK52-520	58	25	MK58-520
1000	58	25	MK58-520	60	25	MK60-520



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

#### Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm <sup>2</sup> )		Order No.
		Al-connectors	Steel - connectors	
12	14	16/2,5 25/4		MK12-520
13	14		120/20 150/25	MK13-520
21	14		105/75 120/70 490/65 550/70	MK21-520
22	40	95/15		MK22B-520
23	14		680/85	MK23-520
25	40	44/32 50/30 120/20		MK25B-520
28	40	125/30 150/25		MK28B-520
30	40	95/55 170/40 185/30		MK30B-520
34	40	105/75 120/70 210/35 210/50		MK34B-520
38	40	230/30 240/40		MK38B-520
42	40	265/35 300/50 305/40 340/30		MK42B-520
46	40	380/50 385/35		MK46B-520
50	40	435/55 450/40		MK50B-520
52	40	495/35 510/45 490/65		MK52B-520
58	25	570/40 580/50 550/70		MK58-520
		650/45 680/85		MK58-520



#### Adapter for crimping dies 130 kN

Allows use of all dies (C-shape) for the tool 130kN on model PP520

Description	Order No.	For Dies	Weight
Adapter	AD520-130	130 kN	1,78 kg

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## CRIMPING DIES - SERIES 600

SERIES 600



PP600



### DIN STANDARD

Hexagon crimping dies according to DIN 48083

#### Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)



ICD

ICD\_90

ICD\_V

ICD\_VL

#### Aluminum

cable lugs (DIN 46239) - connectors (DIN 46267, part 2)



ICAL\_LD

ICAL\_LD\_V

ICAL

ICAL\_V

ICAL\_V30

ICALCU

ICALCU\_V

Cross section (mm <sup>2</sup> )	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
16				12	14	MK12-600
25	10	14	MK10-600			
35	12	14	MK12-600	14	14	MK14-600
50	14	14	MK14-600	16	14	MK16-600
70	16	14	MK16-600	18	14	MK18-600
95	18	14	MK18-600			
120	20	14	MK20-600	22	40	MK22B-600
150	22	14	MK22-600	25	40	MK25B-600
185	25	14	MK25-600	28	40	MK28B-600
240	28	14	MK28-600	32	40	MK32B-600
300	32	17	MK32-600	34	40	MK34B-600
400	38	17	MK38-600	38	40	MK38B-600
500	42	17	MK42-600	44	40	MK44B-600
630	44	17	MK44-600	52	40	MK52B-600
800	52	25	MK52-600	58	25	MK58-600
1000	58	25	MK58-600	60	25	MK60-600
1200	60	25	MK60-600			
1600	70	25	MK70-600			

Dies for full tension and Aluminum-Steel, ACSR available on request