



5

CRIMPING TOOLS

MECHANICAL CRIMPING TOOLS
HYDRAULICAL CRIMPING TOOLS
CRIMPING TOOLS

NEXT GENERATION OF MECHANICAL CRIMPING TOOLS





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 mm² - UEIQ6
- Crimping die for wire end sleeves 0,5 - 10 mm² - UEQ10
- Crimping die for wire end sleeves 0,14 - 10 mm² - UEAE10T

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 ²

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 ²

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 ²

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

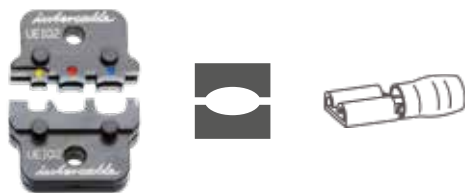
Set equipment:

- Mechanic crimping tool
- Rigid resin case
- Crimping die for insulated cable connections 0,5 - 6 mm² - UEIQ6
- Crimping die for wire end sleeves 0,14 - 2,5 mm² - UEAE2R
- Crimping die for wire end sleeves 4 - 16 mm² - 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 ²
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 ²
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 ²

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 ²
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 ² , 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 ² , 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 ²

Description	Order No.
Crimping die for end sleeves	UEAE35R



Crimping die for end sleeves

CRIMPING TYPE	Round  crimping
CROSS-SECTION	50 mm ²

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 ²

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 ²

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 ²

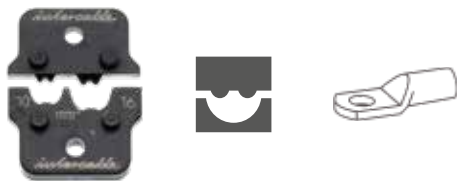
Description	Order No.
Crimping die for tubular cable lugs, R-series	UER2



Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	4 - 10 mm ²

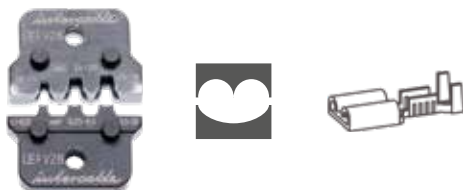
Description	Order No.
Crimping die for tubular cable lugs, R-series	UER10



Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	10 - 16 mm ²

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 ²

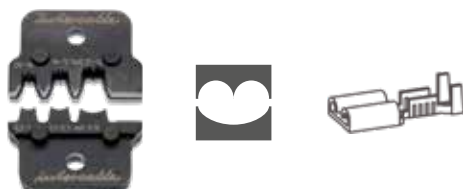
Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV28



Crimping die for non-insulated open barrel terminals

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

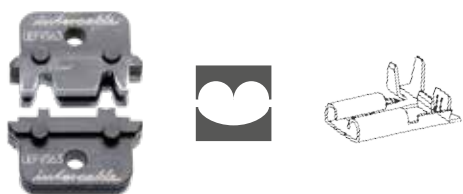
Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV48



Crimping die for non-insulated open barrel terminals

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

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	0,5 - 2,5 mm ²

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

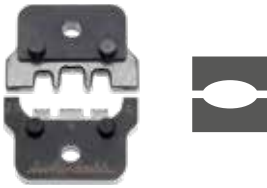


Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	1,5 - 4 mm ²

Description	Order No.
Crimping die for photovoltaics	UEMC41

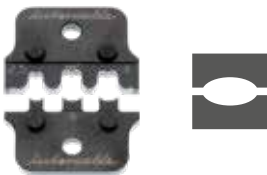
MECHANICAL CRIMPING TOOLS



Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC3
CROSS-SECTION	2,5 - 6 mm ²

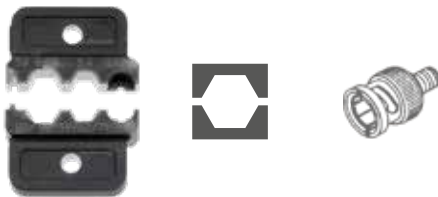
Description	Order No.
Crimping die for photovoltaics	UEMC3



Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	2,5 - 6 mm ²

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 ²
SUGGESTED APPLICATION	End sleeves

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

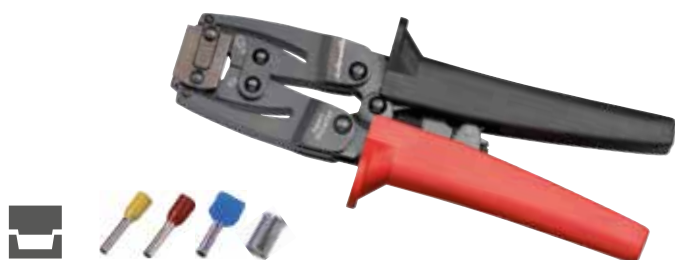


Mechanical crimping tool for end sleeves

CRIMPING TYPE	Indent
APPLICATION RANGE	0,5 - 16 mm ²
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 ² / 2x0,5 - 2x2,5 mm ²
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 ² / 2x4 - 2x6 mm ²
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 ²
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 ²
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 ²
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 ²
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 mm² 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 ²
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 ²
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 ²
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 ²
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 ²
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 ²
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 / double crimping
APPLICATION RANGE	0,5 - 6 mm ²
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 ²
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 ²
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 ²
SUGGESTED APPLICATION	Non-insulated open barrel terminals

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



Mechanical crimping tool for non-insulated cable connectors

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

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

MECHANICAL CRIMPING TOOLS

Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Double indent
APPLICATION RANGE	0,5 - 16 mm ²
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 ²
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 0,5-1,0/1,5-2,5/4-6mm²
- 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 ²
SUGGESTED APPLICATION	Non-insulated R series

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



MPR-2

MPR-1

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

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

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



MPR120i
MPD120S
MPB120

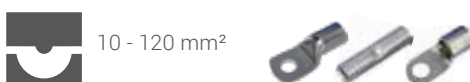
MMPR50i
MPD50S
MPB50
MPF70i

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

Description	Order No.	Length	Weight
Crimping tool 6-50 ² (DIN series)	MPD50S	380 mm	1,5 kg
Crimping tool 6-50 ² (British series)	MPB50	380 mm	1,5 kg
Crimping tool 10-120 ² (DIN series)	MPD120S	550 mm	3,7 kg
Crimping tool 10-120 ² (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 mm²



10 - 120 mm²

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

MP60-1 - Mechanical crimping tool 60 kN

CRIMPING SECTION	max 240 mm ²
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.



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PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170

MECHANICAL CRIMPING TOOLS



MP60-3 - Mechanical crimping tool 60 kN

CRIMPING SECTION	max 240 mm ²
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



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 ²
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



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PLASTIC CASE FOR DIES	Page 174

MECHANICAL CRIMPING TOOLS



MPSF6-1

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 ² - 240 mm ²
2	12 kV, 24 kV, 36 kV	800 A	50 mm ² - 300 mm ²
3	12 kV, 24 kV, 36 kV, 52 kV	1.250 A	150 mm ² - 630 mm ²



Set MPSF6-1

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)



MPSF6-6 lose



MKGR1

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			150 mm ²	45 kN	PAGE 145-146
SERIES 50		 HP50			240 mm ²	50 kN	PAGE 147-148
SERIES 60-2/4	 PP60-1	 HP60-3		 AP60-1	240 mm ²	60 kN	PAGE 149-150
SERIES 60-2/4	 PP60-2	 HP60-4		 AP60-2	300 mm ²	60 kN	PAGE 151-152
SERIES 130-C	 PP130-C	 HPI130-C		 AP130-C	400 mm ²	130 kN	PAGE 153-154
SERIE 130-C2	 PP130-C2	 HPI130-C2		 AP130-C2	400 mm ²	130 kN	PAGE 155-156
SERIES 130-H	 PP130-H	 HPI130-H		 AP130-H	400 mm ²	130 kN	PAGE 157-158
SERIE 230	 PP230-630 PP230				630 mm ²	230 kN	PAGE 159
SERIES 520	 PP520				1.000 mm ²	520 kN	PAGE 161
SERIES 600	 PP600				1.600 mm ²	600 kN	PAGE 162

*depending on type and size of terminals used

MAIN CHARACTERISTICS HP45

CRIMPING SECTION	max. 150 mm²
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

5



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

MAIN CHARACTERISTICS HP50

CRIMPING SECTION	max. 240 mm ²
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



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

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

CRIMPING SECTION	max. 240 mm ²
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
 - Crimping 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 ²
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



Set PP60-2



Set HP60-4



Set STILO60



AP60-2 - Battery operated hydraulic crimping tool

- Technical characteristics:
- 3 years of warranty or 20.000 work cycles
 - Light and compact structure
 - Crimping 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

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 mm²
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
 - C-shaped 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
 - C-shaped crimping head, 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)

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



Set AP130-C

MAIN CHARACTERISTICS PP130-C2 - AP130-C2

CRIMPING SECTION	max. 400 mm ²
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
 - C-shaped 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



Set PP130-C2



Set HPI130-C2



5



Set AP130-C2

AP130-C2 - Battery operated hydraulic crimping Tool

- Technical characteristics:**
- 3 years of warranty or 20.000 work cycles
 - Light and compact structure
 - C-shaped crimping head, 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)

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 ²
MAXIMUM STROKE	30 mm

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

HEAD OPENING: 35 mm

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





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
 - Crimping head 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 mm²
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



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 mm²
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 ²
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 mm²
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

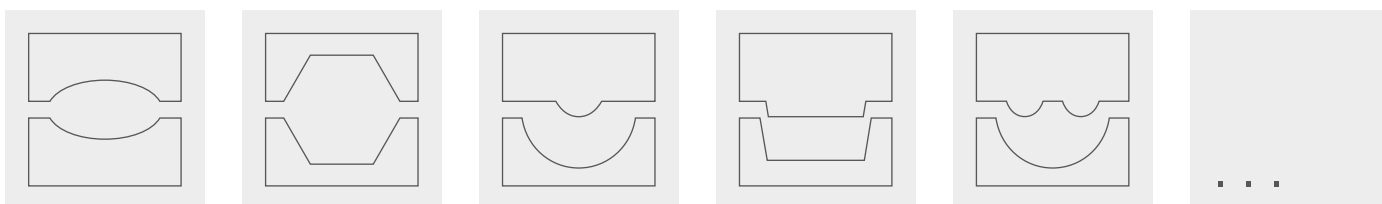
Description	Order No.	Dimensions	Weight
Set crimping head	PP600	400 x 260 x 360 mm	26 kg

- Set equipment:
- Hydraulic crimping head
 - Metal case for crimping head



Set PP600

SELECTION OF CRIMPING DIES	Page 184
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)



ICD

ICD_90

ICD_V

ICD_VL

Aluminium

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 ²)	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			



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm ²)		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 (mm²)		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 (mm²)	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

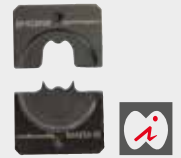


WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm²)	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 (mm²)	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 (mm²)	Compr. width (mm)	Compr. width (mm)	Order No.	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





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

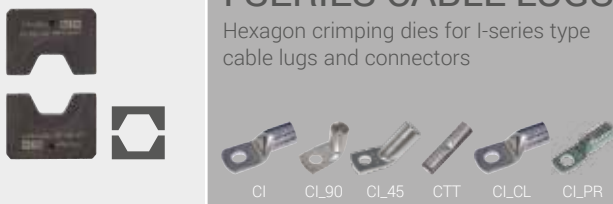
Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-50			
10	6	5	MK6-50	10	7	MK10B-50
16	8	5	MK8-50	12	7	MK12B-50
25	10	5	MK10-50			
35	12	5	MK12-50	14	7	MK14B-50
50	14	5	MK14-50	16	7	MK16B-50
70	16	5	MK16-50	18	7	MK18B-50
95	18	5	MK18-50	22	7	MK22B-50
120	20	5	MK20-50			
150	22	5	MK22-50	25	7	MK25B-50
185	25	5	MK25-50	28	7	MK28B-50
240	28	5	MK28-50	32	5	MK32-50V

DIN STANDARD				
Hexagon crimping dies according to DIN 48083				
Aluminum-Steel connectors				
Code No.	Width (mm)	Cross section (mm ²)		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

I-SERIES CABLE LUGS

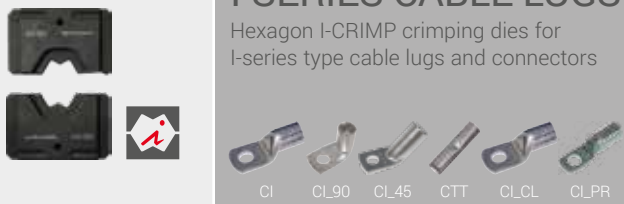
Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm²)		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

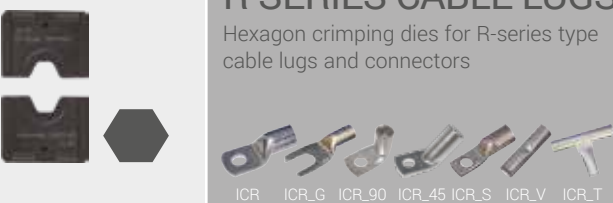
Hexagon I-CRIMP crimping dies for I-series type cable lugs and connectors



Cross section (mm²)	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

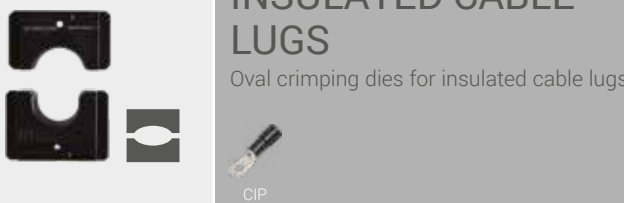
Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	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

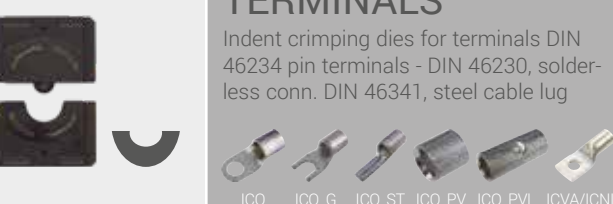
Oval crimping dies for insulated cable lugs



Cross section (mm²)	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

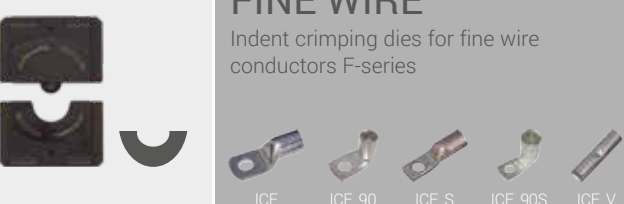
Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solderless conn. DIN 46341, steel cable lug



Cross section (mm²)	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 (mm²)	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

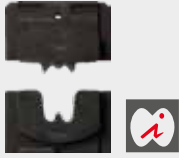


WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm ²)	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 ²)	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 ²)		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	
35	16 ÷ 1,5	U5-DC35
35	35 ÷ 25	
50	25 ÷ 6	U5-DC70
70 ÷ 50	35 ÷ 6	
70 ÷ 50	70 ÷ 35	

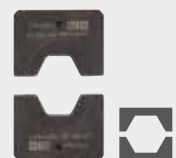


MV CABLE LUGS

Hexagon crimping dies for medium voltage type copper cable lugs and connectors

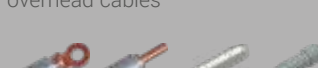


Cross section (mm ²)	Order No.
25	U5-E96
35	U5-E118
50 RC	
50 S	
70	U5-E158
95 RC	U5-E173
120÷95 S	
150 RC÷120 S÷125 C	U5-E190



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 ²)		Order No.	
		Uninsulated	Insulated
35 Al		U5-E113	U5-E173
35 Al	25 Cu		
35 Al	35 Al		
54,6 Aldr.		U5-E173	
54,6 Aldr.	25 Cu		
70 Al		U5-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 ²)	Order No.
10 Cu	U5-E70
16 Cu	U5-E75
25 Cu	U5-E96
35 Al	U5-E118
35 Cu	
54,6 Aldr.	U5-E140
70 Al	U5-E158
70 Cu	

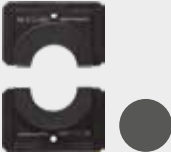
CRIMPING DIES - SERIES 50 - SERIES 60-1/3

		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 ²)	Compr. width (mm)	Order No.	Order No.	Order No.	Order No.
6RE*	5	MO7-50			
6	5				
10	5				MO10-50
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		

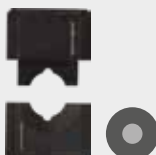
	NOTCH CONNECTOR		
	Oval crimping dies for notch connector (not for MP60-3)		
	Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm²)	Order No.	Order No.	Order No.
10	MKO10-50CU		
16	MKO16-50CU		
25	MKO25-50CU	MKO25-50AL	
35/6			MKO35/6-50
35	MKO35-50CU	MKO35-50AL	
50	MKO50-50CU	MKO50-50AL	
50/8			MKO50/8-50
50/30			MKO50/30-50
70	MKO70-50CU	MKO70-50AL	
70/12			MKO70/12-50
95	MKO95-50CU	MKO95-50AL	
120	MKO120-50CU	MKO120-50AL	

* 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 ²)	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		
				
		CI-M... CI-M...90 CI-M...45 CTT... CI-M...CL CI-M...SF		
Die reference	Indent	Cross section mm ²		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		1
U5-S50		35	25	1
U5-S70		50	35	1
U5-S95	U5-PZ95	70	50	1
U5-S120		95	70	1
			95	1
			120	1

	STRIP OFF ACSR Strip off Aluminum part of ACSR cables***
Cross section (mm²)	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



CI-M...SF

Die reference	Cross section mm ²	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



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 (mm²)	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 (mm²)		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_LS ICR_V ICR_T

Cross section (mm²)	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_LS ICR_V ICR_T

Cross section (mm²)	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 (mm²)	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 (mm²)	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 CL_90 CL_45 CTT CL_CL CL_PR

Cross section (mm²)	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 (mm²)	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 (mm²)	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 (mm²)	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 (mm²)	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

	NOTCH CONNECTOR		
	Oval crimping dies for notch connector		
	Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm ²)	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		
	Type		
	SE*	SM**	
Cross section (mm ²)	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

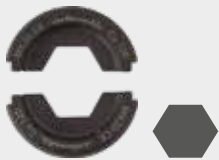
	H BRANCH TERMINALS	
	Oval crimping dies for H branch terminals	
		
Cross section (mm²)	Compr. width (mm)	Order No.
2 x 50	5	MRH22-CK
2 x 70	5	MRH26-CK

TWIN CABLE LUGS	
Oval crimping dies for twin cable lugs	
	
Compr. width (mm)	Order No.
5	MRD22-CK
5	MRD24-CK

* SE sector solid

** SM sector multi-stranded

SERIES 130



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 (mm²)	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 (mm²)		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

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 (mm²)	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 (mm²)	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 (mm²)	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 (mm²)	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 (mm²)	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



ICQ ICQ_G ICQ_ST ICQ_PV ICQ_PVL ICVA/ICNI

Cross section (mm²)	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 (mm²)	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 (mm²)	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

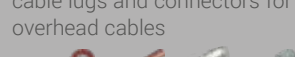


Cross section (mm²)	Order No.
25	MMT25-C
35	MMT50-C
50 RC	
50 S	
70	MMT95-C
95 RC	
120 ÷ 95 S	
150 ÷ 95 S	MMT200-C
150 RC ÷ 120 S ÷ 125C	
240 RC ÷ 185 S	MMT315-C
300 RC ÷ 300 S	
300 S	
400 RC	U13-K34D



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 (mm²)		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 (mm²)	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 (mm²)	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 (mm²)	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 (mm²)	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 (mm²)		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 (mm²)	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 ²)	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



CI-M... CI-M...90 CI-M...45 CTT... CI-M...CL CI-M...PR

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



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm ²)		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_S ICR_V ICR_T		
Cross section (mm ²)	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 CL_CL CL_PR	
Cross section (mm ²)	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			
	Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm ²)	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 ²)	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 185² (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 (mm²)	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 (mm²)		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		



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

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 ²)	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