



MECHANICAL AND PNEUMATIC TOOLS

# MECHANICAL TOOLS *Crimpstar*® RANGE

## HP 1



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar® HP 1

Crimping range:	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 0,2 to 2,5 sqmm
Dimensions:	
Length (closed handles)	234,5 mm
Width (closed handles)	73,0 mm
Height	18,3 mm
Weight:	512 g
Package dimensions:	240 x 81 x 25 mm

Crimp style:



## HP 3



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar® HP 3

Crimping range:	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 0,25 to 6 sqmm
Dimensions:	
Length (closed handles)	234,5 mm
Width (closed handles)	73,0 mm
Height	18,3 mm
Weight:	498 g
Package dimensions:	240 x 81 x 25 mm

Crimp style:





# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HNN 3



### Technical features:



### Crimpstar<sup>®</sup> HNN 3

<b>Crimping range:</b>	PA6.6 insulated terminals and connectors for conductor sizes 1,5 to 10 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	234,5 mm
<b>Width (closed handles)</b>	73,0 mm
<b>Height</b>	18,3 mm
<b>Weight:</b>	491 g
<b>Package dimensions:</b>	240 x 81 x 25 mm

Crimp style:



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.



## HNN 4



### Technical features:



### Crimpstar<sup>®</sup> HNN 4

<b>Crimping range:</b>	PA6.6 insulated terminals and connectors for conductor sizes 10 and 16 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	234,5 mm
<b>Width (closed handles)</b>	73,0 mm
<b>Height</b>	18,3 mm
<b>Weight:</b>	492 g
<b>Package dimensions:</b>	240 x 81 x 25 mm

Crimp style:



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.



# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HPH 1



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HPH 1

### Crimp style:



Through connectors  
PE HD insulated, heat shrinkable.  
for conductor sizes 0,5 to 6 sqmm  
and PA6.6 connectors NL-M, NL-P  
for conductor sizes 0,25 to 6 mm<sup>2</sup>

### Crimping range:

### Dimensions:

Length (closed handles) 234,5 mm

Width (closed handles) 73,0 mm

Height 18,3 mm

Weight: 512 g

Package dimensions: 240 x 81 x 25 mm



## HNKE 4



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HNKE 4

### Crimp style:



End sleeves  
for conductor sizes 0,5 to 4 sqmm

### Crimping range:

### Dimensions:

Length (closed handles) 236 mm

Width (closed handles) 73,0 mm

Height 18,3 mm

Weight: 516 g

Package dimensions: 240 x 81 x 25 mm



# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HNKE 16



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:

#### Crimpstar<sup>®</sup> HNKE 16

Crimp style:



Crimping range:

End sleeves for conductor sizes 4 to 16 mm<sup>2</sup>

Dimensions:

Length (closed handles)

236 mm

Width (closed handles)

73,0 mm

Height

18,3 mm

Weight:

491 g

Package dimensions:

240 x 81 x 25 mm



## HNKE 50



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:

#### Crimpstar<sup>®</sup> HNKE 50

Crimp style:



Crimping range:

End sleeves for conductor sizes 25 - 35 - 50 mm<sup>2</sup>

Dimensions:

Length (closed handles)

234,5 mm

Width (closed handles)

73,0 mm

Height

18,3 mm

Weight:

590 g

Package dimensions:

240 x 81 x 25 mm





# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HN 1



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HN 1

Crimp style:



Uninsulated terminals and connectors for conductor sizes 0,25 to 10 sqmm

### Crimping range:

### Dimensions:

Length (closed handles)

234,5 mm

Width (closed handles)

73,0 mm

Height

18,3 mm

Weight:

480 g

Package dimensions:

240 x 81 x 25 mm



## HN 5



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HN 5

Crimp style:



Uninsulated terminals and connectors for conductor sizes 10 and 16 sqmm

### Crimping range:

### Dimensions:

Length (closed handles)

234,5 mm

Width (closed handles)

73,0 mm

Height

18,3 mm

Weight:

489 g

Package dimensions:

240 x 81 x 25 mm



# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HN-A25



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



#### Crimpstar<sup>®</sup> HN-A25

Crimping range:	Uninsulated terminals and connectors A-M, L-M and L-P series for conductor sizes 10 to 25 mm <sup>2</sup>
Dimensions:	
Length (closed handles)	229 mm
Width (closed handles)	78,6 mm
Height	18,3 mm
Weight:	500 g
Package dimensions:	240 x 81 x 25 mm

Crimp style:



## HN-D25



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



#### Crimpstar<sup>®</sup> HN-D25

Crimping range:	Cu tube lugs DR (DIN 46235) and through connectors DSV (DIN 46267) for conductor sizes 10 to 25 sqmm
Dimensions:	
Length (closed handles)	229 mm
Width (closed handles)	78,6 mm
Height	18,3 mm
Weight:	500 g
Package dimensions:	240 x 81 x 25 mm

Crimp style:



# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HF 1



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HF 1

**Crimping range:**

**Dimensions:**

**Length** (closed handles)

**Width** (closed handles)

**Height**

**Weight:**

**Package dimensions:**

**Crimp style:**



Open barrel brass terminals for conductors sizes 0,5 to 4 sqmm (not BN-FAB/FAR type)

234,5 mm

73,0 mm

18,3 mm

509 g

240 x 81 x 25 mm



## HF 2



**Manual tool, compact and easy to use, equipped with:**

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:



### Crimpstar<sup>®</sup> HF 2

**Crimping range:**

**Dimensions:**

**Length** (closed handles)

**Width** (closed handles)

**Height**

**Weight:**

**Package dimensions:**

**Crimp style:**



Open barrel brass terminals for conductors sizes 0,08 to 1,3 sqmm (28 to 16 AWG)

234,5 mm

73,0 mm

18,3 mm

497 g

240 x 81 x 25 mm





# MECHANICAL TOOLS *Crimpstar*<sup>®</sup> RANGE

## HX 1



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

### Technical features:

#### Crimpstar<sup>®</sup> HX 1

Crimp style:



Crimping range:

Coaxial connectors type  
RG58, RG59, RG62 and RG 71

Dimensions:

Length (closed handles) 234,5 mm

Width (closed handles) 73,0 mm

Height 18,3 mm

Weight: 481 g

Package dimensions: 240 x 81 x 25 mm



Specific positioner  
for Cembre CS4  
connectors

## HN-CS4



### Technical features:

#### Crimpstar<sup>®</sup> HN-CS4

Crimp style:



Crimping range:

Cembre CS4 connectors  
for conductors sizes 2,5 - 4 - 6 sqmm

Dimensions:

Length (closed handles) 231 mm

Width (closed handles) 78,6 mm

Height 46 mm

Weight: 650 g

Package dimensions: 230 x 85 x 50 mm



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

# MECHANICAL TOOLS *nd*<sup>®</sup> RANGE


## ND#1



A generation of tools, with a unique mechanism to reduce operator effort. Small and compact, with ergonomically designed handles for ease of operation.

High quality materials combined with advanced design and manufacturing technology, produce a reliable tool with a guaranteed consistent, crimping operation.


### Technical features:

<b>ND#1</b>	<b>Crimp style:</b> 
<b>Crimping range:</b>	Insulated and uninsulated end sleeves for conductors sizes 0,3 to 1,5 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	190 mm
<b>Width (closed handles)</b>	72 mm
<b>Height</b>	21 mm
<b>Weight:</b>	470 g

## ND#2




### Technical features:

<b>ND#2</b>	<b>Crimp style:</b> 
<b>Crimping range:</b>	Insulated and uninsulated end sleeves for conductors sizes 1 to 6 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	190 mm
<b>Width (closed handles)</b>	72 mm
<b>Height</b>	21 mm
<b>Weight:</b>	470 g

## ND#3




### Technical features:

<b>ND#3</b>	<b>Crimp style:</b> 
<b>Crimping range:</b>	Insulated and uninsulated end sleeves for conductors sizes 6 to 16 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	190 mm
<b>Width (closed handles)</b>	72 mm
<b>Height</b>	21 mm
<b>Weight:</b>	470 g

## ND#4



### Technical features:

<b>ND#4</b>	<b>Crimp style:</b> 
<b>Crimping range:</b>	Insulated and uninsulated end sleeves for conductors sizes 0,5 to 4 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	190 mm
<b>Width (closed handles)</b>	72 mm
<b>Height</b>	21 mm
<b>Weight:</b>	470 g

**Package dimensions:** 195 x 76 x 20 mm



# MECHANICAL TOOLS ZKE RANGE

Crimp style:



## ZKE 6-F

Tool for crimping end sleeves  
0,5 to 6 sqmm  
front insertion

Crimp style:



## ZKE 610

Single aperture, ratchet controlled tool  
for crimping end sleeves,  
0,08 to 10 sqmm  
side insertion

Crimp style:



## ZKE 2

For end sleeves  
0,5 to 16 sqmm



## MECHANICAL TOOLS HP4 RANGE

### HP4-R

Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet.

Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor. According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings:

**1) strong, 2) medium, 3) light.**

The tool is particularly easy to use thanks to its shape and handle coating.

At the end of the crimping the outer surface of the conductor is automatically stamped with the following crimping code:

one point for red conductor sizes from 0.25 to 1.5 mm<sup>2</sup>



#### Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft red PVC plastic.

#### Technical features:



#### HP4-R

<b>Crimping range:</b>	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 0,25 to 1,5 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	265 mm
<b>Width (closed handles)</b>	80 mm
<b>Weight:</b>	500 g
<b>Package dimensions:</b>	330 x 110 x 50 mm

#### Crimp style:



### HP4-B

Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet.

Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor. According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings:

**1) strong, 2) medium, 3) light.**

The tool is particularly easy to use thanks to its shape and handle coating.

At the end of the crimping the outer surface of the conductor is automatically stamped with the following crimping code:

two points for blue conductor sizes from 1.5 to 2.5 mm<sup>2</sup>



#### Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft blue PVC plastic.

#### Technical features:



#### HP4-B

<b>Crimping range:</b>	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 1,5 to 2,5 sqmm
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	265 mm
<b>Width (closed handles)</b>	80 mm
<b>Weight:</b>	500 g
<b>Package dimensions:</b>	330 x 110 x 50 mm

#### Crimp style:



# MECHANICAL TOOLS HP4 RANGE

## HP4-G



### Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft yellow PVC plastic.



Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet.

Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor. According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings: **1) strong, 2) medium, 3) light.**

The tool is particularly easy to use thanks to its shape and handle coating.

At the end of the crimping the outer surface of the conductor is automatically stamped with the following crimping code: three points for yellow conductor from 4 to 6 sqmm

### Technical features:

#### HP4-G

Crimp style:



Crimping range:

PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 4 to 6 sqmm

Dimensions:

Length (closed handles)

320 mm

Width (closed handles)

105 mm

Weight:

810 g

Package dimensions:

330 x 110 x 50 mm



## HP4-C10



Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet.

The tool is particularly easy to use thanks to its shape and handle coating.

### Construction features:

- Specially treated and externally protected steel body, ratchet and handles.

- Handle coating in soft yellow PVC.

### Technical features:

#### HP4-C10

Crimp style:



Crimping range:

For sleeve connectors type C6-C6 and C10-C10

Dimensions:

Length (closed handles)

325 mm

Width (closed handles)

105 mm

Weight:

730 g

Package dimensions:

330 x 110 x 50 mm



# MECHANICAL TOOL HWE1

WITH INTERCHANGEABLE DIES

New

## HWE1

A robust and reliable tool designed to optimise the installers time and effort. A single tool body with a range of interchangeable dies allows a quick and simple transfer from one cable/connector combination to another, across a range of applications.

### Technical features

- Length: 240 mm
- Weight: 590 g
- Automatic opening of handles following completion of the crimping operation
- Dull Nickel finish
- Anti-slip handle grips



Rapid insertion/extraction of dies without using other tools



Also available:

### HWE1 KIT

comprising:

- HWE1 Manual mechanical tool
- WF16 die
- IT6 die
- all contained in a sturdy plastic case with extra compartments for interchangeable dies



### INTERCHANGEABLE DIES TO ORDER SEPARATELY

#### INSULATED AND UNINSULATED END SLEEVES

##### WF16

Size 0,5 ÷ 16 mm<sup>2</sup>

#### INSULATED CONNECTORS RED, BLUE AND YELLOW

##### IT6

Size 0,5 ÷ 6 mm<sup>2</sup>

#### PHOTOVOLTAIC CONNECTORS (MULTI-CONTACT)

##### MC3

Size 4 ÷ 6 mm<sup>2</sup>

##### MC4

Size 4 ÷ 6 mm<sup>2</sup>

#### INSULATED AND UNINSULATED END SLEEVES

##### WF6

Size 0,5 ÷ 6 mm<sup>2</sup>

##### WF35

Size 16 ÷ 35 mm<sup>2</sup>

#### UNINSULATED CABLE LUGS

##### NIT10

Size 0,5 ÷ 10 mm<sup>2</sup>

#### OPEN BARREL BRASS CONNECTORS

##### OB2.5P

Size 0,5 and 2,5 mm<sup>2</sup>

##### SUB-D 075

Size 0,05 and 0,75 mm<sup>2</sup>

##### SUB-D 050

Size 0,08 and 0,5 mm<sup>2</sup>

#### COAXIAL CONNECTORS

##### C59

RG58, RG59, RG62



See page 115 for HB 11 cable stripper



**New**

### DIES FOR PHOTOVOLTAIC CONNECTORS



**4300-3540**  
MC3 Multi Contact

**4300-3539**  
MC4 Multi Contact

**4300-3541**  
Tyco Solarlok

See page 115 for **HB 11** cable stripper

### Technical features

- Length: 234 mm
- Weight: 460 g
- Automatic opening of handles following completion of the crimping operation
- Colour: black

To assist correct die selection, the type of connector is illustrated on each die.

Each die also carries an illustration of the steps in each crimping process, to assist in achieving the best result.

### INTERCHANGEABLE DIES TO ORDER SEPARATELY

#### INSULATED TERMINALS RED, BLUE, YELLOW AND GREEN

<b>4300-3129</b>	<b>4300-3128</b>
Size 0,5 ÷ 2,5 mm <sup>2</sup> (Red - Blue)	Size 4 ÷ 6 mm <sup>2</sup> (Yellow) Size 0,1 ÷ 0,4 mm <sup>2</sup> (Green)

#### CONNECTORS WITH HEAT SHRINKABLE INSULATION

<b>4300-3258</b>	<b>4300-3262</b>
Size 0,5 ÷ 2,5 mm <sup>2</sup> (Red - Blue)	Size 4 ÷ 6 mm <sup>2</sup> (Yellow) Size 0,32 ÷ 0,75 mm <sup>2</sup> (Green)

#### UNINSULATED CONNECTORS

<b>4300-3137</b>	<b>4300-3241</b>
Size 0,75 ÷ 2,5 mm <sup>2</sup>	Size 4 ÷ 10 mm <sup>2</sup>

#### CONTACTS FOR MULTI POLAR CONNECTORS (eg. ILME, HTS, CONTACT)

<b>4300-3147</b>	<b>4300-3148</b>
Size 0,14 ÷ 4 mm <sup>2</sup>	Size 6 ÷ 10 mm <sup>2</sup>

#### INSULATED AND UNINSULATED END SLEEVES

<b>4300-3127</b>	<b>4300-3153</b>	<b>4300-3154</b>
Size 0,25 ÷ 10 mm <sup>2</sup>	Size 16 ÷ 25 mm <sup>2</sup>	Size 35 ÷ 50 mm <sup>2</sup>

#### OPEN BARREL CONNECTORS

<b>4300-3146</b>
Size 0,5 ÷ 6 mm <sup>2</sup>

#### BNC/TNC CONNECTORS FOR COAXIAL CABLES

<b>4300-3136</b>	<b>4300-3140</b>
RG 58, 59, 62, 71	RG 174, 179

#### TV - SATELLITE RECEIVER CONNECTORS

<b>4300-3138</b>
RG 6, 59

#### PHONE CONNECTORS

<b>4300-3144</b>	<b>4300-3132</b>
RJ 45 (LARGE)	RJ 11 (SMALL)

#### PHOTOVOLTAIC CONNECTORS (MULTI-CONTACT)

<b>4300-3540</b>	<b>4300-3539</b>	<b>4300-3541</b>
MC3	MC4	Tyco Solarlok
Size 2,5 - 4/6 mm <sup>2</sup>	Size 2,5/4/6 mm <sup>2</sup>	Size 2,5/4/6 mm <sup>2</sup>

Modular die storage housings are easily combined for convenient transportation



A robust and reliable tool designed to optimise the installers time and effort.

A single tool body with a range of interchangeable dies allows a quick and simple transfer from one cable/connector combination to another, across a wide range of applications.

Modular dies may be inserted/extracted without using any tools and are connected in pairs for speed and convenience.



IDT tool pack

Modular die pack



### VALSTAR R3 IDT

To order separately - sturdy plastic case designed to store an IDT tool and up to 10 modular dies.

## MECHANICAL TOOLS TN RANGE

### TN 70SE

Professional manual mechanical tool suitable for crimping A-M Cu lugs and non-insulated L-M and L-P connectors.

Heat treated steel crimp jaws.

Easily adjustable die positioning by knurled screw and reference vernier scale.

Handles made from anti-slip plastic with hilt.



#### Technical features:



#### TN 70SE

#### Crimp style:



\*Uninsulated terminals and connectors for conductor sizes 6 R/F to 70 R/F mm<sup>2</sup>

#### Crimping range:

#### Dimensions:

**Length** (closed handles)

450 mm

**Width** (closed handles)

127 mm

**Weight:**

2 kg

\*R= Rigid conductor F= Flexible conductor

### TNN 70

Professional manual mechanical tool suitable for the crimping of wire terminals and PA 6.6 insulated connectors.

Heat treated steel crimp jaws.

Easily adjustable die positioning by knurled screw and reference vernier scale.

Handles made from anti-slip plastic with hilt.



#### Technical features:



#### TNN 70

#### Crimp style:



\*Polyamide PA6.6 insulated terminals and connectors for conductor sizes 10 F to 70 F mm<sup>2</sup>

#### Crimping range:

#### Dimensions:

**Length** (closed handles)

450 mm

**Width** (closed handles)

127 mm

**Weight:**

2 kg

\*F= Flexible conductor

# MECHANICAL TOOLS TN RANGE

## TN 120SE



Professional manual mechanical tool suitable for crimping A-M Cu lugs and non-insulated L-M and L-P connectors. Heat treated steel crimp jaws. Easily adjustable die positioning by knurled screw and reference vernier scale. Handles made from anti-slip plastic with hilt.

### Technical features:

#### TN 120SE

#### Crimp style:



#### Crimping range:

\*Uninsulated terminals and connectors for conductor sizes 10 R/F to 120 R/150 F mm<sup>2</sup>

#### Dimensions:

Length (closed handles) 700 mm

Width (closed handles) 170 mm

Weight: 3 kg

\*R= Rigid conductor F= Flexible conductor

## TNN 120



Professional manual mechanical tool suitable for the crimping of wire terminals and PA 6.6 insulated connectors. Heat treated steel crimp jaws. Easily adjustable die positioning by knurled screw and reference vernier scale. Handles made from anti-slip plastic with hilt.

### Technical features:

#### TNN 120

#### Crimp style:



#### Crimping range:

\*Polyamide PA6.6 insulated terminals and connectors for conductor sizes 10 F to 120 F mm<sup>2</sup>

#### Dimensions:

Length (closed handles) 700 mm

Width (closed handles) 170 mm

Weight: 3 kg

\*F= Flexible conductor



## MECHANICAL TOOLS TND RANGE

### TND 6-70

Mechanical tools equipped with rotating dies with hexagonal imprint compliant with **DIN 480863** suitable to crimp copper lugs according to **DIN 46235** and through connectors according to **DIN 46267 T.1** (refer to page 36-37), Particularly sturdy and easy to handle.



#### Technical features:



#### TND 6-70

<b>Crimping range:</b>	Uninsulated terminals and connectors according to <b>DIN 46235</b> and <b>DIN 46267 T.1</b> for conductor sizes 6 to 70 mm <sup>2</sup>
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	515 mm
<b>Width (closed handles)</b>	132 mm
<b>Weight:</b>	2 kg

#### Crimp style:



### TND 10-120

Mechanical tools equipped with rotating dies with hexagonal imprint compliant with **DIN 480863** suitable to crimp copper lugs according to **DIN 46235** and through connectors according to **DIN 46267 T.1** (refer to page 36-37), Particularly sturdy and easy to handle.



#### Technical features:



#### TND 10-120

<b>Crimping range:</b>	Uninsulated terminals and connectors according to <b>DIN 46235</b> and <b>DIN 46267 T.1</b> for conductor sizes 10 to 120 mm <sup>2</sup>
<b>Dimensions:</b>	
<b>Length (closed handles)</b>	665 mm
<b>Width (closed handles)</b>	162 mm
<b>Weight:</b>	3,7 kg

#### Crimp style:



## CABLE CUTTERS

KT



KT 1

Cutting Capacity - Section Cond. sqmm

Rigid	Multi-Cond.	Flexible
Cu 16 Al 35	Cu 50 Al 50	Cu 70



KT 2

Cutting Capacity - Section Cond. sqmm

Rigid	Multi-Cond.	Flexible
Cu 16 Al 50	Cu 70 Al 70	Cu 95



KT 5

Hand operated tool for cutting cables up to max section 25 sqmm



KT 3

For cutting cables Ø max 32 mm  
Weight: 0,59 kg  
Length: 255 mm



KT 4

For cutting cables Ø max 52 mm  
Weight: 0,89 kg  
Length: 310 mm

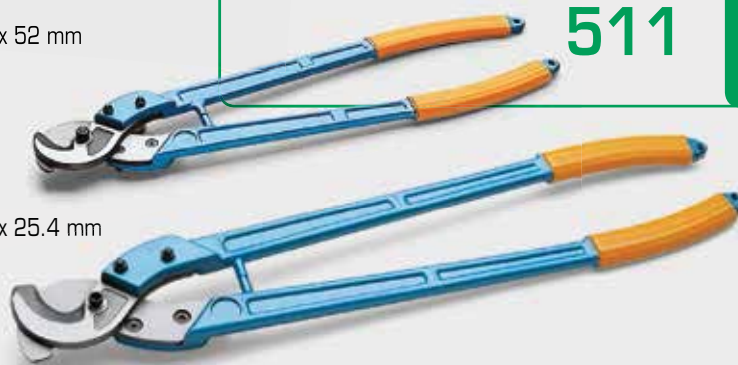
511

5116660250

For cutting cables Ø max 18 mm  
Weight: 1,5 kg  
Length: 600 mm

5116660500

For cutting cables Ø max 25.4 mm  
Weight: 3 kg  
Length: 800 mm



## WIRE STRIPPERS

HB 6



Interchangeable stripping dies available upon request:



4320-0864, flat blade suitable for: PVC from 0,02 to 10 sqmm



4320-0866, rounded blades suitable for: PVC from 4 to 16 sqmm



4320-0865, V blades suitable for: PTFE from 0,1 to 4 sqmm

Wire strippers, including stripping die for PVC insulated cables 0,02 to 10 sqmm



HB 11



For photovoltaics insulated cables 2,5 to 6 sqmm stripping length 8,5 mm

## SCISSORS

New

SC 1



Electricians scissors with high tensile steel blades allowing for excellent strength and performance. Specially micro-serrated blades for anti-slip purpose. Handles are made from dual component materials.



SC 3X

Multi-purpose scissors with high hardness blades (56 HRC) and anti slide serrations. The moulded plastic handles combine a rigid structure with a softer material for finger comfort. Cutting of flexible conductors up to 35 mm<sup>2</sup>



SC 5X

Robust-A

New

Professional scissors with Special Steel frame, high hardness blades (58 HRC) and anti slide serrations. The moulded plastic handles combine a rigid structure with a softer material for finger comfort. Cutting of flexible conductors up to 50 mm<sup>2</sup>

## CABLE STRIPPING TOOLS

### HB 13UE

Universal cable stripping tool for external sleeves of Low/Medium Voltage cables  $\varnothing$  12,7 to 63,5 mm and primary insulator in XLPE max  $\varnothing$  38,1 mm



### HB 12N

*For vulcanised extruded semiconductor*

HB12N cable stripping tool removes the semiconductor layer by being manually rotated around the cable while lateral advancement is achieved automatically. Safe and convenient, it can be used on cables with a semi-con diameter between 18 - 60 mm.

- Sturdy frame in anodised Aluminium alloy and Steel.
- Special Steel blade with precise cutting depth regulation.
- Stripping operation can start at any point along the conductor.
- Bearing mounted rollers provide smooth cutting action.



- With "REVERSE" function, which allows the removal of semiconductor up to 7 mm thick from the sheath of the cable.
- Double speed for each direction.



- The **HB 12N** kit includes:
- HB 12N cable stripping tool
  - sturdy plastic case

### HB 2

Cable stripping tool for circular cables  $\varnothing$  4,5 to 28,5 mm



### HB 10

Insulated knife has an interchangeable straight blade and plastic blade protector that folds into the handle. Ergonomic handle made of anti shock plastic material



### HB 9

Insulated knife, with curved blade and protective cover. Suitable for insulation and screen removal, equipped with blade guide to avoid damage to strands. Handle is made of a bi-component plastic material.





## HAND TOOL FOR CUTTING AND SEALING FLEXIBLE CONDUIT

### KTS 1632



Cuts and seals flexible plastic conduit in a single operation. Lightweight and easy to operate. Suitable for flexible conduits from Ø16 to Ø32 mm.

**Length:** 230 mm  
**Width:** 58 mm  
**Thickness:** 32 mm.  
**Weight:** 0,32 kg.



### PC 1

Plastic pipe cutting tool  
 Cutting capacity: Ø 6 to Ø 42 mm.

**Body:**  
 die-cast aluminium alloy  
**Blade material:**  
 hardened Carbon Steel

## FRAME-TYPE HOLE PUNCHING TOOL FOR CABLE TRUNKING

### MT-FC48N

Table denotes the punch/die set reference, for each hole size.  
 Suitable for punching holes in mild steel, fibreglass or plastic material, up to 2 mm thick.

Hole dimensions					Maximum thickness of mild steel (mm)	Code
Nominal	Ø (inch)	Pg	ISO	Inch		
15,5	.610	Pg9	-	-	2	<b>RD 15.5 SS-FC</b>
16,2	.638	-	ISO-16	-		<b>RD 16.2 SS-FC</b>
17,5	.689	-	-	-		<b>RD 17.5 SS-FC</b>
18,8	.740	Pg11	-	-		<b>RD 18.8 SS-FC</b>
19,1	.752	-	-	-		<b>RD 19.1 SS</b>
20,5	.807	Pg 13,5	ISO-20	-		<b>RD 20.5 SS</b>
22,6	.890	Pg16	-	-		<b>RD 22.6 SS</b>
23,8	.937	-	-	5/8"		<b>RD 23.8 SS</b>
25,4	1.000	-	ISO-25	-		<b>RD 25.4 SS</b>
27,0	1.063	-	-	3/4"		<b>RD 27.0 SS</b>
28,5	1.122	Pg21	-	-		<b>RD 28.5 SS</b>
30,5	1.201	-	-	7/8"		<b>RD 30.5 SS</b>
31,8	1.252	-	-	-		<b>RD 31.8 SS</b>
32,5	1.279	-	ISO-32	-		<b>RD 32.5 SS</b>
34,6	1.362	-	-	-		<b>RD 34.6 SS</b>
37,2	1.464	Pg29	-	-		<b>RD 37.2 SS</b>
38,1	1.500	-	-	-		<b>RD 38.1 SS</b>
40,5	1.594	-	ISO-40	-		<b>RD 40.5 SS-FC</b>
41,3	1.626	-	-	-		<b>RD 41.3 SS-FC</b>
42,5	1.673	-	-	1"1/4"		<b>RD 42.5 SS-FC</b>
43,2	1.701	-	-	-	<b>RD 43.2 SS-FC</b>	
44,5	1.752	-	-	-	<b>RD 44.5 SS-FC</b>	
47,2	1.858	Pg36	-	-	<b>RD 47.2 SS-FC</b>	



**VAL P30**  
 Supplied in a robust plastic case.

Lightweight and easy to operate, designed for punching holes up to 47,2 mm diameter in the side wall of trunking without the need for pre drilling.

**Max centre of hole to edge of trunking:** 53,5 mm

**Length :** 251,5 mm  
**Width:** 224 mm  
**Thickness :** 66 mm  
**Weight:** 3,28 kg

