



ELECTRICIANS TOOLS



. INDEX LIST...

COMPANY INTRODUCTION-----	3 PAGES
KA SERIES HAND CRIMPING TOOLS-----	P1
SU SERIES HAND CRIMPING TOOLS-----	P2
KH SERIES HAND CRIMPING TOOLS-----	P3-P4
LY SERIES HAND CRIMPING TOOLS-----	P5-P10
LYG SERIES HAND CRIMPING TOOLS-----	P11-P12
ANB SERIES HAND CRIMPING TOOLS-----	P13-P17
BNB SERIES HAND CRIMPING TOOLS-----	P18-P22
LN SERIES HAND CRIMPING TOOLS-----	P23
SN & DL SERIES HAND CRIMPING TOOLS-----	P24-P26
FN SERIES HAND CRIMPING TOOLS-----	P27-P31
AP SERIES HAND CRIMPING TOOLS-----	P32-P36
CRIMPING TOOL KITS-----	P37
SU SERIES HAND CRIMPING TOOLS-----	P38
SMALL CRIMPERS-----	P39
MANUAL INDENT CRIMPERS-----	P40
MANUAL HEXAGON CRIMPERS-----	P41-P42
H-TAP CRIMPERS-----	P43
ALUMINUM OVAL SLEEVES CRIMPERS-----	P44
1000V HAND CABLE CUTTERS-----	P45-P46
HEAVY-DUTY MANUAL CABLE CUTTERS-----	P47
MANUAL CABLE CUTTERS WITH STEEL HANDLES-----	P48
MANUAL CABLE CUTTERS WITH ALUMINUM HANDLES-----	P49
RATCHET CABLE CUTTERS-----	P50-P51
HANDY PEX-PIPE PLUMBING TOOLS-----	P52
HANDY SMALL CUTTERS-----	P53
AVIATION CUTTERS AND WIRE TWISTING TOOLS-----	P54
BOLT CUTTERS-----	P55
MODULAR CRIMPERS FOR NETWORK-----	P56-P57
IMPACT AND PUNCH DOWN TOOLS-----	P58
COAXIAL CRIMPERS-----	P59
COMPRESSION KIT FOR TV CABLE-----	P60
CABLE STRIPPERS-----	P61-P65
MULTI-FUNCTION ELECTRICIANS TOOLS-----	P66-P67
ELECTRICIANS PLIERS-----	P68
CABLE-TIE GUNS-----	P69
PIPE BENDERS AND CUTTERS-----	P70-P71
PVC PIPE AND WIRE DUCT CUTTERS-----	P72
SMALL PLIERS AND CUTTERS-----	P73
1000V ELECTRICIANS PLIERS AND SCREWDRIVERS-----	P74-P76
FISH TAPES-----	P77-P85
CAULKING GUNS AND OBSTACLE CHECKING TOOLS-----	P86
STORAGE BOXES/ELECTRICIANS BAGS-----	P87
PULLING GRIPS FOR CABLES-----	P88-P89
HOLE PUNCHERS(FOR METAL/NON-METAL MATERIAL)-----	P90-P93
HOLE SAWS-----	P94-P95
HSS/TCT-MAGNETIC HOLE SAWS FOR THICK H-STEEL-----	P96-P97
DRAIN CLEANING STICKS AND DRUM AUGER-----	P98



COMPANY PROFILE

OPT ELECTRICIANS TOOLS



Lun-Yuan Enterprise Co., Ltd. was established in 1979. First we make only hand tools and hydraulic tools, since then, our company has grown step by step, adding other products, like crimping tools, cable cutters, cable stripper, battery crimping tools, battery cable cutters, plumbing tools, fish tapes and so on.

Our famous trade mark is **OPT Electricians Tools**. After many years, we have great reputation over the world.

We introduce many kinds of precision machines to make sure the high quality of our tools. Also our personal training, our co-workers are making tools with professional knowledge, experience and passion energy.

Smooth process of OPT tool product order: Soon quotation and on-line service via e-mail. We provide you technique support, on-time delivery and promotion suggestion. We would like to be your faithful business partner in worldwide market.



COMPANY PROFILE

We expanded our product line in the year 2014, our second factory of tool production. Now we have more production capacity of hand/hydraulic/battery crimping/cutting/punching tools. Please find more details online via our website www.opttools.com



Our factory of fish tapes for various fish tapes products manufacturing. We also could provide you OEM/ODM service. The quality of our fish tapes products are all 100% high quality, made of high standard plastic raw material and our professional technique. Please discover more details at our website www.fish-tapes.com



CERTIFICATION

ISO 9001: 2015 Factory CE(Battery hydraulic pump)



CE(Hydraulic cutters)



CE(Hydraulic crimpers)



BEST GLOBAL QUALITY

BEST GLOBAL QUALITY

OPT KA SERIES HAND CRIMPING TOOLS

With anti-slip handles, more labor-saving, support single hand operation, lifting eye design. Easy gear-return knob.
Ratchet type red handles crimper with new type precise structure. 30% labor-saved than KH crimper, 20% labor saved than SU crimper.



FOR NON-INSULATED CABLE LUGS MANDREL SHAPE CRIMPING

Model No.: KA-3

Crimping Range:

JIS: 0.5/1.25/2/3.5mm²

DIN: 0.75/1.5/2.5/4mm²

AWG: 20/16/14/12

Tool weight: 0.15kg

Tool length: 187mm



Model No.: KA-5

Crimping Range:

JIS: 1.25-5.5mm²

DIN: 1.5-6mm²

AWG: 16-10

Tool weight: 0.25kg

Tool length: 187mm



Model No.: KA-6

Crimping Range:

JIS: 0.5-5.5mm²

DIN: 0.75-6mm²

AWG: 18-10

Tool weight: 0.25kg

Tool length: 187mm



Model No.: KA-8

Crimping Range:

JIS: 1.25-8mm²

DIN: 1.5-10mm²

AWG: 18-8

Tool weight: 0.42kg

Tool length: 270mm



Model No.: KA-16

Crimping Range:

JIS: 1.25-14mm²

DIN: 1.5-16mm²

AWG: 18-6

Tool weight: 0.45kg

Tool length: 282mm



Model No.: KA-22

Crimping Range:

JIS: 5.5-22mm²

DIN: 6-25mm²

AWG: 10-4

Tool weight: 0.75kg

Tool length: 333mm



Model No.: KA-38

Crimping Range:

JIS: 5.5-38mm²

DIN: 6-35mm²

AWG: 10-2

Tool weight: 0.78kg

Tool length: 345mm



FOR INSULATED CLOSED END SLEEVES OVAL SHAPE CRIMPING

Model No.: KA-13

Crimping Range:

JIS: 0.5-5.5mm²

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.27kg

Tool length: 191mm



FOR SPADE TERMINALS & RING TERMINALS HEXAGONAL CRIMPING

Model No.: KA-50

Crimping Range:

DIN: 16/25/35/50mm²

Tool weight: 0.84kg

Tool length: 352mm



OPT SU SERIES HAND CRIMPING TOOLS

Ratchet type crimper with ergonomics handles, more labor-saving, support single hand operation.



FOR TUBULAR SOLDERLESS LUGS
MANDREL SHAPE CRIMPING

Model No.: SU-16A

Crimping Range:

Solderless lugs DIN 46234

Pin lugs DIN 46230

DIN: 0.5-16mm²

Tool weight: 0.6kg

Tool length: 290mm



Model No.: SU-16D

Crimping Range:

DIN: 0.75-16mm²

DIN standard tubular lugs

Tool weight: 0.6kg

Tool length: 290mm



Model No.: SU-16G

Crimping Range:

DIN: 0.75-16mm²

Germany standard tubular lugs

Tool weight: 0.6kg

Tool length: 290mm



FOR TUBULAR SOLDERLESS LUGS
HEXAGONAL CRIMPING

Model No.: SU-25G

Crimping Range:

DIN: 6-25mm²

Tool weight: 0.6kg

Tool length: 290mm



FOR END SLEEVES
TRAPEZOIDAL SHAPE
CRIMPING

Model No.: SU-55WF

Crimping Range:

DIN: 10-50mm²

AWG 8-1/0

Tool weight: 0.76kg

Tool length: 330mm



Model No.: SU-95WF

Crimping Range:

DIN: 50-95mm²

AWG 1/0-3/0

Tool weight: 0.76kg

Tool length: 330mm



Model No.: SU-150WF

Crimping Range:

DIN: 120-150mm²

250-300MCM

Tool weight: 1kg

Tool length: 380mm



OPT KH SERIES HAND CRIMPING TOOLS

Ratchet type red handles crimper with smart open-knob.
Turn the smart open-knob if the handles cannot be opened due to wrong operation.



**FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING**

Model No.: KH-2 / KH-5 / KH-6

Crimping Range:

DIN: 0.5-2.5mm² / 1.25-5.5mm² / 0.5-5.5mm²

AWG: 20-14 / 16-10 / 20-10

Tool weight: 0.23kg / 0.24KG / 0.23KG

Tool length: 195mm



Model No.: KH-8

Crimping Range:

JIS: 1.25-8mm²

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 250mm



Model No.: KH-9

Crimping Range:

JIS: 1.25-8mm²

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 250mm



Model No.: KH-16

Crimping Range:

JIS: 1.25-14mm²

DIN: 1.5-16mm²

AWG: 16-5

Tool weight: 0.6kg

Tool length: 280mm



Model No.: KH-22 / KH-38

Crimping Range:

JIS: 5.5-22mm² / 5.5-38mm²

DIN: 6-25mm² / 6-35mm²

AWG: 10-4 / 10-2

Tool weight: 0.92kg / Tool length: 365mm



**FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING**

Model No.: KH-11

Crimping Range:

DIN: 0.25-2mm²

AWG: 22-14

Tool weight: 0.8kg

Tool length: 270mm



Model No.: KH-12

Crimping Range:

JIS: 2-5.5mm²

DIN: 2-6mm²

AWG: 16-10

Tool weight: 0.8kg

Tool length: 270mm



Model No.: KH-18C

Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 270mm



**FOR INSULATED CLOSED
END SLEEVES
OVAL SHAPE CRIMPING**

Model No.: KH-13

Crimping Range:

JIS: 0.5-5.5mm²

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 270mm



Model No.: KH-28C

Crimping Range:

DIN: 4-10mm² / AWG: 12-8

Tool weight: 0.6kg

Tool length: 270mm



OPT KH SERIES HAND CRIMPING TOOLS

Ratchet type red handles crimper with smart open-knob.

Turn the smart open-knob if the handles cannot be opened due to wrong operation.



**FOR END SLEEVES
TRAPEZOIDAL SHAPE
CRIMPING**

Model No.: KH-35WF / KH-50WF

Crimping Range:

DIN: 10-35mm² / 25-50mm²

AWG 8-2 / 4-1/0

Tool weight: 0.64kg / 0.7kg

Tool length: 280mm



Model No.: KH-55WF

Crimping Range:

DIN: 10-50mm²

AWG 8-1/0

Tool weight: 0.76kg

Tool length: 330mm



Model No.: KH-95WF

Crimping Range:

DIN: 50-95mm²

AWG 1/0-3/0

Tool weight: 0.76kg

Tool length: 330mm



Model No.: KH-150WF

Crimping Range:

DIN: 120-150mm²

250-300MCM

Tool weight: 1kg

Tool length: 380mm



**FOR NON-INSULATED AND
INSULATED CABLE LUGS
OVAL SHAPE CRIMPING**

Model No.: AA-35C

Crimping Range:

Non-insulated DIN: 16/25/35/50mm² AWG 6-1/0

Insulated DIN: 10/16/25/35mm² AWG 8-2

Tool weight: 2.12kg

Tool length: 409mm



**FOR NON-INSULATED CABLE LUGS
HEXAGON SHAPE CRIMPING**

Model No.: HX-4 / HX-10 / HX-16

Crimping Range:

HX-4: BS 1-4mm² AWG: 18-12

HX-10: BS 2-10mm² AWG: 14-8

HX-16: BS 6-16mm² AWG: 10-6

Tool weight: 0.6kg

Tool length:

250mm(HX-4)

270mm(HX-10)

270mm(HX-16)



Model No.: HX-25B / HX-25D / HX-35B

Crimping Range:

HX-25B: BS 6-25mm²

HX-25D: GS 6-25mm²

HX-35B: BS 6-35mm²

Tool weight: 0.92kg

Tool length: 365mm



**FOR TUBULAR SOLDERLESS LUGS
MANDREL SHAPE CRIMPING**

Model No.: KH-16A

Crimping Range:

Solderless lugs DIN 46234

Pin lugs DIN 46230

DIN: 0.5-16mm²

Tool weight: 0.6kg

Tool length: 290mm



Model No.: KH-16D

Crimping Range:

DIN: 0.75-16mm²

DIN standard tubular lugs

Tool weight: 0.6kg

Tool length: 290mm



**FOR C-LUGS
PRE-ROUND CRIMPING**

Model No.: KH-19

Crimping Range:

DIN: 6/12mm²

Tool weight: 0.6kg

Tool length: 280mm



OPT LY SERIES HAND CRIMPING TOOLS



FOR INSULATED CRIMP-STYLE CABLE LUGS OVAL SHAPE CRIMPING

- R: 0.5-1.5MM² AWG20-16
- B: 2.5MM² AWG14
- Y: 4-6MM² AWG12-10

Model No.: LY-03C

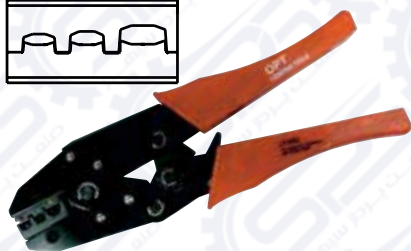
Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-04C

Crimping Range:

DIN: 0.14-6mm²

AWG: 26-10

Tool weight: 0.6kg

Tool length: 235mm

- G: 0.14-0.5MM² AWG26-20
- R: 0.75-1.5MM² AWG18-16
- B: 2.0-2.5MM² AWG14
- Y: 3.5-6MM² AWG12-10



Model No.: LY-18C

Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED CLOSED END SLEEVES OVAL SHAPE CRIMPING

Model No.: LY-13C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type red anti-slip handles crimper. Original design.



FOR NON-INSULATED CABLE LUGS MANDREL SHAPE CRIMPING

Model No.: LY-10 / LY-16

Crimping Range:

DIN: 1.5-10mm² / 2.5-16mm²

AWG: 16-8 / 14-6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-11

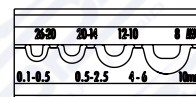
Crimping Range:

DIN: 0.1-10mm²

AWG: 26-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-08

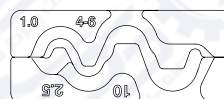
Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-28C

Crimping Range:

DIN: 4-10mm²

AWG: 12-8

Tool weight: 0.6kg

Tool length: 230mm



OPT LY SERIES HAND CRIMPING TOOLS

Ratchet type red anti-slip handles crimper. Original design.



FOR COAXIAL CONNECTORS! RG TYPE
HEXAGON SHAPE CRIMPING

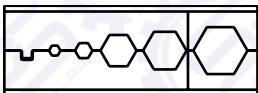
Model No.: LY-05H

Crimping Range:

AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



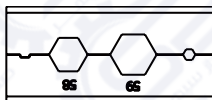
Model No.: LY-02H

Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



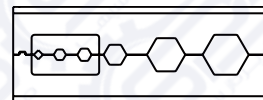
Model No.: LY-02H1

Crimping Range:

AF size (mm): 6.5/ 5.4/ 3.25/ 2.0/ 1.72/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-02H3

Crimping Range:

AF size (mm): 6.48/ 4.52/ 3.25/ 2.0/ 1.69/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-1741

Crimping Range:

AF size (mm): 4.5/ 3.25/ 3.84/ 2.0/ 1.72/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-891

Crimping Range:

AF size (mm): 10.8/ 3.25/ 2.5

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-06H

Crimping Range:

AF size (mm): 10.8/ 2.6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-07H

Crimping Range:

AF size (mm): 8.9/ 8.1/ 6.5

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-457

Crimping Range:

AF size (mm): 11/ 8.2/ 5.4

Tool weight: 0.6kg

Tool length: 230mm



OPT LY SERIES HAND CRIMPING TOOLS

Ratchet type red anti-slip handles crimper. Original design.



FOR SOCKET SLEEVES (FEMALE)
ROLLED SHAPE CRIMPING

Model No.: LY-03B

Crimping Range:

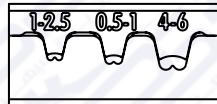
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-03BM (Precise machining)

Crimping Range:

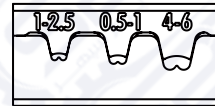
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-63B

Crimping Range:

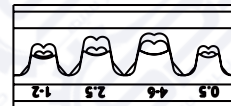
DIN: 0.25-6mm²

AWG: 22-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-29B

Crimping Range:

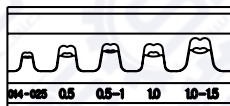
DIN: 0.14-1.5mm²

AWG: 26-16

Tab width: 2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-04B

Crimping Range:

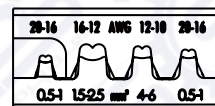
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



CRIMPER WITH LOCATOR TO
SET CRIMPING MATERIALS



Model No.: L0363/ L0348/ L4848

Locator accessory for
socket sleeves fixed and
easier crimping

Tab width: 6.3 / 4.8 / 4.8 & 2.8

Model No.: LY-03B63L / LY-03B48L

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm / 4.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-48B48L

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 230mm



OPT LY SERIES HAND CRIMPING TOOLS



FOR END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

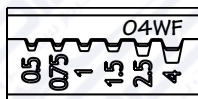
Model No.: LY-04WF / LY-06WF / LY-10WF

Crimping Range:

DIN: 0.5-4mm² / 0.5-6mm² / 1-10mm²

AWG 20-12 / 20-10 / 18-8

Tool weight: 0.6kg / Tool length: 230mm



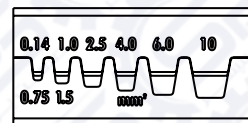
Model No.: LY-11WF

Crimping Range:

DIN: 0.14-10mm² AWG 26-10

Tool weight: 0.6kg

Tool length: 230mm



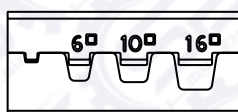
Model No.: LY-16WF

Crimping Range:

DIN: 6-16mm² AWG 10-5

Tool weight: 0.6kg

Tool length: 230mm



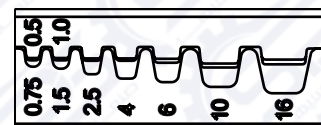
Model No.: LY-16WF9P

Crimping Range:

DIN: 0.5-16mm² AWG 20-5

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-25WF

Crimping Range:

DIN: 10-25mm² AWG 8-3

Tool weight: 0.6kg / Tool length: 230mm



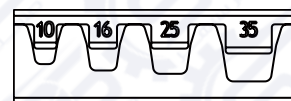
Model No.: LY-35WF

Crimping Range:

DIN: 10-35mm² AWG 8-2

Tool weight: 0.6kg

Tool length: 240mm



Model No.: LY-50WF

Crimping Range:

DIN: 25-50mm² AWG 3-0

Tool weight: 0.6kg / Tool length: 240mm



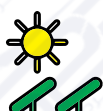
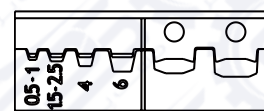
Model No.: LY-06WF2C

Crimping Range:

End-sleeves(trapezoidal) 0.5-6mm² AWG 20-10

Pre-insulated(oval) 0.5-2.5mm² AWG 20-14

Tool weight: 0.6kg / Tool length: 230mm



FOR MULTI-CONTACT MC3
FOR PHOTOVOLTAICS
SQUARE SHAPE CRIMPING

Model No.: LY-S1

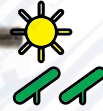
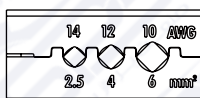
Crimping Range:

2.5/4/6mm²

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 230mm



FOR MULTI-CONTACT MC4
FOR PHOTOVOLTAICS
ROLLED SHAPE CRIMPING

Model No.: LY-S2

Crimping Range:

2.5/4/6mm² AWG 14/12/10

Tool weight: 0.6kg / Tool length: 230mm



OPT LY SERIES HAND CRIMPING TOOLS



FOR TWIN END SLEEVES TRAPEZOIDAL SHAPE CRIMPING

Ratchet type red anti-slip handles crimper. Original design.

Model No.: LY-06TW

Crimping Range:

End sleeves: 0.5-6mm² AWG 20-10

Twin end sleeves: 2x0.2mm² - 2x0.4mm²

Tool weight: 0.6kg / Tool length: 230mm



Model No.: LY-26TW

Crimping Range:

2x0.5mm²

2x0.75mm²

2x1mm²

2x1.5mm²

2x2.5mm²

2x4mm²

2x6mm²

AWG 20-10 x 2

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-210TW

Crimping Range:

2x6mm²

2x10mm²

2x16mm²

AWG 10-5 x 2

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-25NWF

Crimping Range:

End sleeves: 10-25mm²

Twin end sleeves:

2x4mm²

2x6mm²

2x10mm²

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-35NWF

Crimping Range:

End sleeves: 16-35mm²

Twin end sleeves:

2x6mm²

2x10mm²

2x16mm²

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-50NWF

Crimping Range:

End sleeves: 35-50mm²

Twin end sleeves:

2x16mm²

2x25mm²

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED CRIMP-STYLE CABLE LUGS AND INSULATED SHRINK CONNECTORS OVAL SHAPE CRIMPING

Model No.: LY-03C3

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm

- R: 0.5-1.5MM² AWG20-16
- B: 2.5MM² AWG14
- Y: 4-6MM² AWG12-10



OPT LY SERIES HAND CRIMPING TOOLS

Ratchet type red anti-slip handles crimper. Original design.



FOR NON-INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

Model No.: LY-01FL

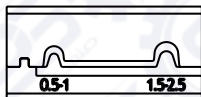
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-04FL

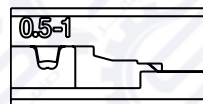
Crimping Range:

DIN: 0.5-1mm²

AWG: 20-18

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-02FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-05FL

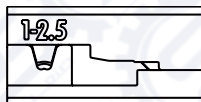
Crimping Range:

DIN: 1.5-2.5mm²

AWG: 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-06FL / LY-10FL / LY-16FL

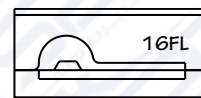
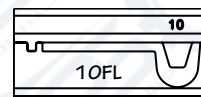
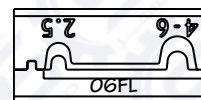
Crimping Range:

DIN: 2.5-6mm² / 10mm² / 16mm²

AWG: 14-10 / 8 / 6

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

Model No.: LY-03FL

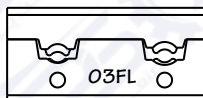
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LY-09FL

Crimping Range:

DIN: 6mm²

AWG: 10

Tool weight: 0.6kg

Tool length: 230mm



FOR TERMINAL
TERMINALS
AND SPLICES
OVAL SHAPE CRIMPING

Model No.: LY-06FT

Crimping Range:

DIN: 3-6mm²

AWG: 12-10

Tool weight: 0.6kg

Tool length: 230mm



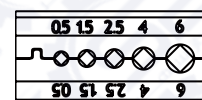
FOR TURNED PLUG CONTACT
HEXAGONAL CRIMPING

Model No.: LY-06PT

Crimping Range:

DIN: 1.5-6mm² AWG: 16-10

Tool weight: 0.6kg / Tool length: 230mm



OPT LYG SERIES HAND CRIMPING TOOLS



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: LYG-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm

● R: 0.5-1.5MM²

AWG20-16

● B: 2.5MM²

AWG14

● Y: 4-6MM²

AWG12-10



Ratchet type double color soft handles crimper. Original design.



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: LYG-10 / LYG-16

Crimping Range:

DIN: 1.5-10mm² / 2.5-16mm²

AWG: 16-8 / 14-6

Tool weight: 0.6kg

Tool length: 230mm



FOR SOCKET SLEEVES
(FEMALE)
ROLLED SHAPE
CRIMPING

Model No.: LYG-03B

Crimping Range:

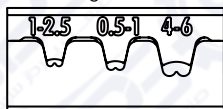
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-08

Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 230mm



FOR COAXIAL CONNECTORS/ RG TYPE
HEXAGON SHAPE CRIMPING

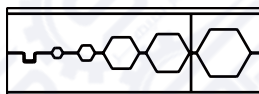
Model No.: LYG-05H

Crimping Range:

AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-1741

Crimping Range:

AF size (mm): 4.5/ 3.25/ 3.84/ 2.0/ 1.72/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



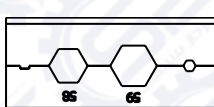
Model No.: LYG-02H

Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



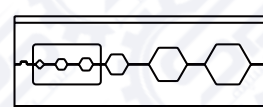
Model No.: LYG-02H1

Crimping Range:

AF size (mm): 6.5/ 5.4/ 3.25/ 2.0/ 1.72/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



OPT LYG SERIES HAND CRIMPING TOOLS



FOR END SLEEVES TRAPEZOIDAL SHAPE CRIMPING

Model No.: LYG-04WF

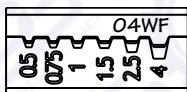
Crimping Range:

DIN: 0.5-4mm²

AWG 20-12

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-06WF

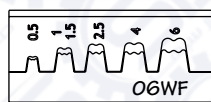
Crimping Range:

DIN: 0.5-6mm²

AWG 20-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-10WF

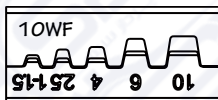
Crimping Range:

DIN: 1-10mm²

AWG 18-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-16WF

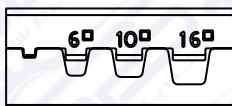
Crimping Range:

DIN: 6-16mm²

AWG 10-5

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type double color soft handles crimper. Original design.

Model No.: LYG-25WF

Crimping Range:

DIN: 10-25mm²

AWG 8-3

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-04FL

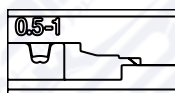
Crimping Range:

DIN: 0.5-1mm²

AWG: 20-18

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-05FL

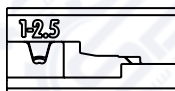
Crimping Range:

DIN: 1.5-2.5mm²

AWG: 16-14

Tool weight: 0.6kg

Tool length: 230mm



FOR NON-INSULATED 90° FLAG LUGS OVAL SHAPE CRIMPING

Model No.: LYG-01FL

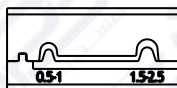
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: LYG-02FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED 90° FLAG LUGS OVAL SHAPE CRIMPING

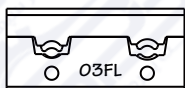
Model No.: LYG-03FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg / Tool length: 230mm



Model No.: LYG-09FL

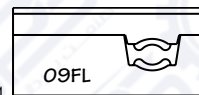
Crimping Range:

DIN: 6mm²

AWG: 10

Tool weight: 0.6kg

Tool length: 230mm



OPT ANB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper.
Precise long-lever design.



**FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING**

Model No.: ANB-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



● R: 0.5-1.5MM² AWG20-16
● B: 2.5MM² AWG14
● Y: 4-6MM² AWG12-10



Model No.: ANB-04C

Crimping Range:

DIN: 0.14-6mm²

AWG: 26-10

Tool weight: 0.6kg

Tool length: 235mm

● G: 0.14-0.5MM² AWG26-20
● R: 0.75-1.5MM² AWG18-16
● B: 2.0-2.5MM² AWG14
● Y: 3.5-6MM² AWG12-10



Model No.: ANB-18C

Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 230mm



**FOR INSULATED CLOSED
END SLEEVES
OVAL SHAPE CRIMPING**

Model No.: ANB-13C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-28C

Crimping Range:

DIN: 4-10mm²

AWG: 12-8

Tool weight: 0.6kg

Tool length: 230mm



**FOR NON-INSULATED
CABLE LUGS
MANDREL SHAPE CRIMPING**

Model No.: ANB-10

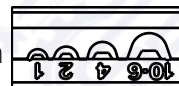
Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-16

Crimping Range:

DIN: 2.5-16mm²

AWG: 14-6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-11

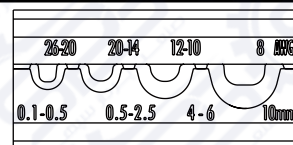
Crimping Range:

DIN: 0.1-10mm²

AWG: 26-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-08

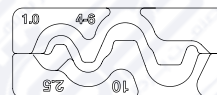
Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 230mm



OPT ANB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design.



FOR SOCKET SLEEVES (FEMALE)
ROLLED SHAPE CRIMPING

Model No.: ANB-03B

Crimping Range:

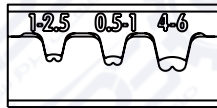
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-03BM (Precise machining)

Crimping Range:

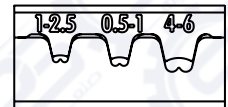
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-63B

Crimping Range:

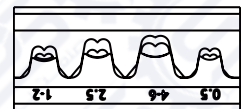
DIN: 0.25-6mm²

AWG: 22-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-29B

Crimping Range:

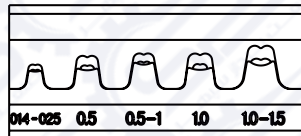
DIN: 0.14-1.5mm²

AWG: 26-16

Tab width: 2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-04B

Crimping Range:

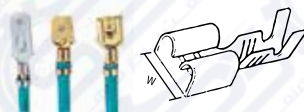
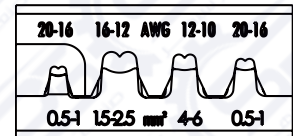
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



CRIMPER WITH LOCATOR TO
SET CRIMPING MATERIALS



Model No.: ANB-03B63L / ANB-03B48L

Crimping Range:

DIN: 0.5-6mm² / AWG: 20-10

Tab width: 6.3mm / 4.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-48B48L

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: L0363/ L0348/ L4848

Locator accessory for socket sleeves
fixed and easier crimping

Tab width: 6.3 / 4.8 / 4.8 & 2.8



OPT ANB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design.



**FOR NON-INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING**

Model No.: ANB-01FL

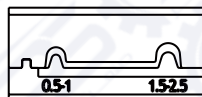
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-06FL / ANB-10FL / ANB-16FL

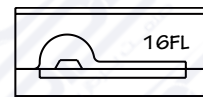
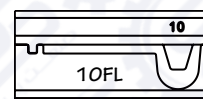
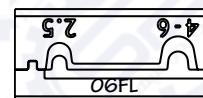
Crimping Range:

DIN: 2.5-6mm² / 10mm² / 16mm²

AWG: 14-10 / 8 / 6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-02FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-04FL

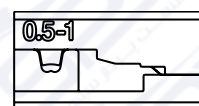
Crimping Range:

DIN: 0.5-1mm²

AWG: 20-18

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-05FL

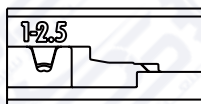
Crimping Range:

DIN: 1.5-2.5mm²

AWG: 16-14

Tool weight: 0.6kg

Tool length: 230mm



**FOR TERMI-FOIL TERMINALS
AND SPLICES
OVAL SHAPE CRIMPING**

Model No.: ANB-06FT

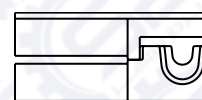
Crimping Range:

DIN: 3-6mm²

AWG: 12-10

Tool weight: 0.6kg

Tool length: 230mm



**FOR INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING**

Model No.: ANB-03FL

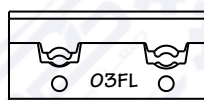
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



**FOR TURNED PLUG CONTACT
HEXAGONAL CRIMPING**

Model No.: ANB-06PT

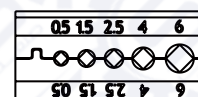
Crimping Range:

DIN: 1.5-6mm²

AWG: 16-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-09FL

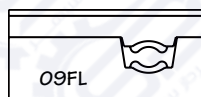
Crimping Range:

DIN: 6mm²

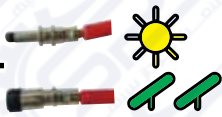
AWG: 10

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type navy-blue soft handles crimper. Precise long-lever design.



FOR MULTI-CONTACT MC3
FOR PHOTOVOLTAICS
SQUARE SHAPE CRIMPING

Model No.: ANB-S1

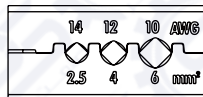
Crimping Range:

2.5/4/6mm²

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 230mm



FOR MULTI-CONTACT MC4
FOR PHOTOVOLTAICS
ROLLED SHAPE CRIMPING

Model No.: ANB-S2

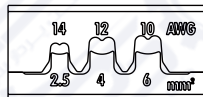
Crimping Range:

2.5/4/6mm²

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 230mm



FOR COAXIAL CONNECTORS/ RG TYPE
HEXAGON SHAPE CRIMPING

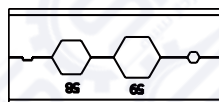
Model No.: ANB-02H

Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



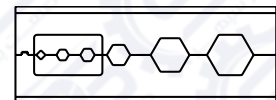
Model No.: ANB-02H1

Crimping Range:

AF size (mm): 6.5/ 5.4/ 3.25/ 2.0/ 1.72/ 1.0

Tool weight: 0.6kg

Tool length: 230mm



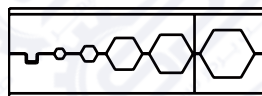
Model No.: ANB-05H

Crimping Range:

AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



OPT ANB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design.



FOR END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Model No.: ANB-04WF / ANB-06WF / ANB-10WF

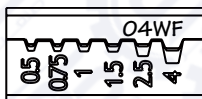
Crimping Range:

DIN: 0.5-4mm² / 0.5-6mm² / 1-10mm²

AWG 20-12 / 20-10 / 18-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-11WF

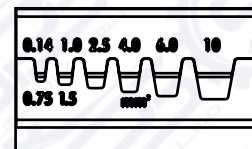
Crimping Range:

DIN: 0.14-10mm²

AWG 26-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-16WF

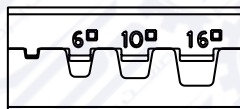
Crimping Range:

DIN: 6-16mm²

AWG 10-5

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-25WF

Crimping Range:

DIN: 10-25mm²

AWG 8-3

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-35WF

Crimping Range:

DIN: 10-35mm²

AWG 8-2

Tool weight: 0.6kg

Tool length: 240mm



Model No.: ANB-50WF

Crimping Range:

DIN: 25-50mm²

AWG 3-0

Tool weight: 0.6kg

Tool length: 240mm



Model No.: ANB-06WF2C

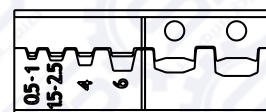
Crimping Range:

End-sleeves(trapezoidal) 0.5-6mm² AWG 20-10

Pre-insulated(oval) 0.5-2.5mm² AWG 20-14

Tool weight: 0.6kg

Tool length: 230mm



FOR TWIN END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Model No.: ANB-210TW

Crimping Range:

2x6mm²

2x10mm²

2x16mm²

AWG 10-5 x 2

Tool weight: 0.6kg

Tool length: 230mm



Model No.: ANB-26TW

Crimping Range:

2x0.5mm²

2x0.75mm²

2x1mm²

2x1.5mm²

2x2.5mm²

2x4mm²

2x6mm²

AWG 20-10 x 2

Tool weight: 0.6kg

Tool length: 230mm



OPT BNB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design. Labor-saved than ANB crimper.



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: BNB-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 260mm

● R: 0.5-1.5MM² AWG20-16
● B: 2.5MM² AWG14
● Y: 4-6MM² AWG12-10



Model No.: BNB-04C

Crimping Range:

DIN: 0.14-6mm²

AWG: 26-10

Tool weight: 0.6kg

Tool length: 265mm

● G: 0.14-0.5MM² AWG26-20
● R: 0.75-1.5MM² AWG18-16
● B: 2.0-2.5MM² AWG14
● Y: 3.5-6MM² AWG12-10



Model No.: BNB-18C

Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 260mm



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: BNB-10

Crimping Range:

DIN: 1.5-10mm² AWG: 16-8

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-16

Crimping Range:

DIN: 2.5-16mm² AWG: 14-6

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-16A

Crimping Range(AU):

DIN: 2.5-16mm² AWG: 14-6

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-11

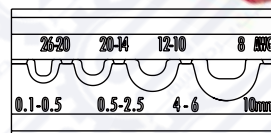
Crimping Range:

DIN: 0.1-10mm²

AWG: 26-8

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-08

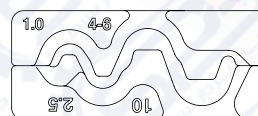
Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 260mm



FOR INSULATED CLOSED END SLEEVES
OVAL SHAPE CRIMPING

Model No.: BNB-13

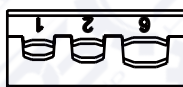
Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-28C

Crimping Range:

DIN: 4-10mm²

AWG: 12-8

Tool weight: 0.6kg

Tool length: 260mm



OPT BNB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design. Labor-saved than ANB crimper.



FOR SOCKET SLEEVES (FEMALE)
ROLLED SHAPE CRIMPING

Model No.: BNB-03B

Crimping Range:

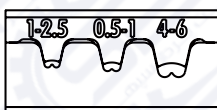
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-03BM

(Precise machining)

Crimping Range:

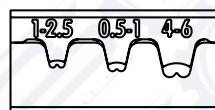
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-63B

Crimping Range:

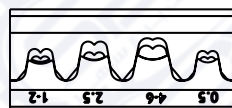
DIN: 0.25-6mm²

AWG: 22-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-29B

Crimping Range:

DIN: 0.14-1.5mm²

AWG: 26-16

Tab width: 2.8mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-04B

Crimping Range:

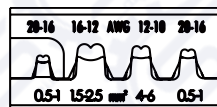
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



CRIMPER WITH LOCATOR TO
SET CRIMPING MATERIALS



Model No.: BNB-03B63L / BNB-03B48L

Crimping Range:

DIN: 0.5-6mm² / AWG: 20-10

Tab width: 6.3mm / 4.8mm

Tool weight: 0.6kg / Tool length: 260mm



Model No.: BNB-48B48L

Crimping Range:

DIN: 0.14-2.5mm² / AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg / Tool length: 260mm



Model No.: L0363/ L0348/ L4848

Locator accessory for socket sleeves

fixed and easier crimping

Tab width: 6.3 / 4.8 / 4.8 & 2.8



Locator



OPT BNB SERIES HAND CRIMPING TOOLS



Ratchet type navy-blue soft handles crimper. Precise long-lever design. Labor-saved than ANB crimper.

FOR NON-INSULATED 90° FLAG LUGS OVAL SHAPE CRIMPING

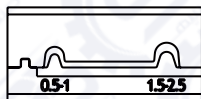
Model No.: BNB-01FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg Tool length: 260mm



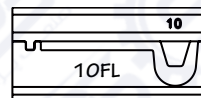
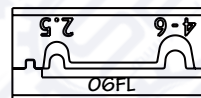
Model No.: BNB-06FL / BNB-10FL / BNB-16FL

Crimping Range:

DIN: 2.5-6mm² / 10mm² / 16mm²

AWG: 14-10 / 8 / 6

Tool weight: 0.6kg Tool length: 260mm



Model No.: BNB-02FL

Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg Tool length: 260mm



Model No.: BNB-04FL

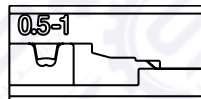
Crimping Range:

DIN: 0.5-1mm²

AWG: 20-18

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-05FL

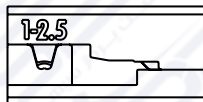
Crimping Range:

DIN: 1.5-2.5mm²

AWG: 16-14

Tool weight: 0.6kg

Tool length: 260mm



FOR INSULATED 90° FLAG LUGS OVAL SHAPE CRIMPING

Model No.: BNB-03FL

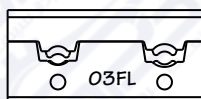
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 260mm

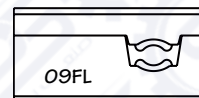


Model No.: BNB-09FL

Crimping Range:

DIN: 6mm² AWG: 10

Tool weight: 0.6kg Tool length: 260mm



FOR TERMI-FOIL TERMINALS AND SPLICES OVAL SHAPE CRIMPING

Model No.: BNB-06FT

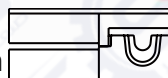
Crimping Range:

DIN: 3-6mm²

AWG: 12-10

Tool weight: 0.6kg

Tool length: 260mm



FOR TURNED PLUG CONTACT HEXAGONAL CRIMPING

Model No.: BNB-06PT

Crimping Range:

DIN: 1.5-6mm²

AWG: 16-10

Tool weight: 0.6kg

Tool length: 260mm



OPT BNB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design. Labor-saved than ANB crimper.



FOR END SLEEVES TRAPEZOIDAL SHAPE CRIMPING

Model No.: BNB-04WF / BNB-06WF / BNB-10WF

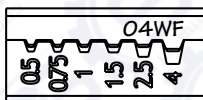
Crimping Range:

DIN: 0.5-4mm² / 0.5-6mm² / 1-10mm²

AWG 20-12 / 20-10 / 18-8

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-11WF

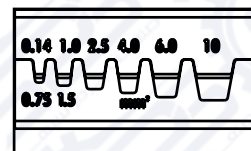
Crimping Range:

DIN: 0.14-10mm²

AWG 26-10

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-16WF

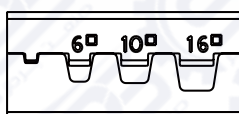
Crimping Range:

DIN: 6-16mm²

AWG 10-5

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-25WF

Crimping Range:

DIN: 10-25mm²

AWG 8-3

Tool weight: 0.6kg

Tool length: 260mm



Model No.: BNB-35WF

Crimping Range:

DIN: 10-35mm²

AWG 8-2

Tool weight: 0.6kg

Tool length: 270mm



Model No.: BNB-50WF

Crimping Range:

DIN: 25-50mm²

AWG 3-0

Tool weight: 0.6kg

Tool length: 270mm



Model No.: BNB-06WF2C

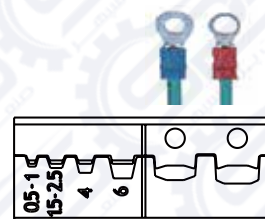
Crimping Range:

End-sleeves(trapezoidal) 0.5-6mm² AWG 20-10

Pre-insulated(oval) 0.5-2.5mm² AWG 20-14

Tool weight: 0.6kg

Tool length: 260mm



FOR TWIN END SLEEVES TRAPEZOIDAL SHAPE CRIMPING

Model No.: BNB-210TW

Crimping Range:

2x6mm²

2x10mm²

2x16mm²

AWG 10-5 x 2

Tool weight: 0.6kg

Tool length: 270mm



Model No.: BNB-26TW

Crimping Range:

2x0.5mm²

2x0.75mm²

2x1mm²

2x1.5mm²

2x2.5mm²

2x4mm²

2x6mm²

AWG 20-10 x 2

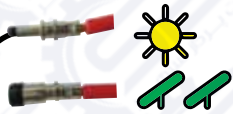
Tool weight: 0.6kg

Tool length: 260mm



OPT BNB SERIES HAND CRIMPING TOOLS

Ratchet type navy-blue soft handles crimper. Precise long-lever design. Labor-saved than ANB crimper.



FOR MULTI-CONTACT MC3
FOR PHOTOVOLTAICS
SQUARE SHAPE CRIMPING

Model No.: BNB-S1

Crimping Range:

2.5/4/6mm²

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 260mm



FOR MULTI-CONTACT MC4
FOR PHOTOVOLTAICS
ROLLED SHAPE CRIMPING

Model No.: BNB-S2

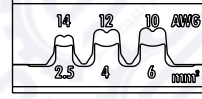
Crimping Range:

2.5/4/6mm²

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 260mm



FOR COAXIAL CONNECTORS I RG TYPE
HEXAGON SHAPE CRIMPING

Model No.: BNB-02H

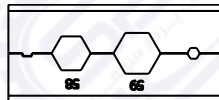
Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72

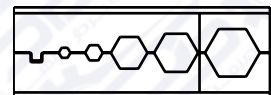
Tool weight: 0.6kg

Tool length: 260mm

ACROSS
FLATS



ACROSS
FLATS



Model No.: BNB-05H

Crimping Range:

AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72

Tool weight: 0.6kg

Tool length: 270mm



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: BNB-03C8

Crimping Range:

DIN: 0.5-10mm²

AWG: 20-8

Tool weight: 0.6kg

Tool length: 260mm



REMARK: CRIMPING DIES OF LY, LYG, ANB, BNB, AP, FN SERIES COULD BE SHARED.

LN-Series: Labor saving design with ergonomics handles. Parallel position precise crimping.



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: LN-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.7kg

Tool length: 205mm



● R: 0.5-1.5MM² AWG20-16
● B: 2.5MM² AWG14
● Y: 4-6MM² AWG12-10



FOR END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Model No.: LN-06WF

Crimping Range:

DIN: 0.5-6mm²

AWG 20-10

Tool weight: 0.7kg

Tool length: 205mm



FOR SOCKET
SLEEVES (FEMALE)
ROLLED SHAPE
CRIMPING

Model No.: LN-03B

Crimping Range:

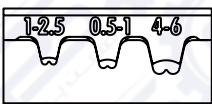
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.7kg

Tool length: 205mm



Model No.: LN-16WF

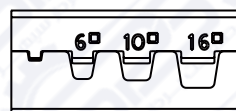
Crimping Range:

DIN: 6-16mm²

AWG 10-5

Tool weight: 0.7kg

Tool length: 205mm



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: LN-10

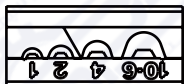
Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.7kg

Tool length: 205mm



OPT SN & DL SERIES HAND CRIMPING TOOLS

Ratchet type 7.5 inches smallest wave blue handles crimper. Original design.



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: SN-01C

Crimping Range:

DIN: 0.08-1.5mm²

AWG: 28-16

Tool weight: 0.35kg

Tool length: 190mm

W: 0.08-0.25MM² AWG28-24
G: 0.25-0.5MM² AWG24-20
Y: 0.75-1.5MM² AWG18-16



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: SN-02

Crimping Range:

DIN: 0.25-2.5mm²

AWG: 24-14

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-02C

Crimping Range:

DIN: 0.25-2.5mm²

AWG: 24-14

Tool weight: 0.35kg

Tool length: 190mm

G: 0.25-0.5MM² AWG24-20
R: 0.75-1.5MM² AWG18-16
B: 2.0-2.5MM² AWG14



Model No.: SN-06

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.35kg

Tool length: 190mm



FOR END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Model No.: SN-02WF

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-06WF

Crimping Range:

DIN: 0.25-6mm²

AWG: 24-10

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-16WF

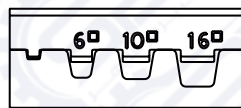
Crimping Range:

DIN: 6-16mm²

AWG: 10-5

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-02WF2C

Crimping Range:

End-sleeves(trapezoidal) 0.25-2.5mm² AWG 24-14

Pre-insulated(oval) 0.5-2.5mm² AWG 20-14

Tool weight: 0.35kg

Tool length: 195mm



OPT SN & DL SERIES HAND CRIMPING TOOLS

Ratchet type 7.5 inches smallest wave blue handles crimper. Original design.



FOR TURNED PLUG CONTACT
HEXAGONAL CRIMPING

Model No.: SN-06PT

Crimping Range:

DIN: 1.5-6mm²

AWG: 16-10

Tool weight: 0.35kg

Tool length: 190mm

05	15	25	4	6
50	51	52	4	9



Model No.: SN-04PT

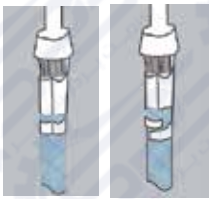
Crimping Range:

DIN: 0.14-4mm²

AWG: 26-12

Tool weight: 0.35kg

Tool length: 190mm



FOR D-SUB CONNECTOR
ROLL CRIMPING

Model No.: SN-01B

Crimping Range:

DIN: 0.08-0.5mm²

AWG: 28-20

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-01BM (Precise machining)

Crimping Range:

DIN: 0.08-0.5mm²

AWG: 28-20

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-01BM2

(Precise machining)

Crimping Range:

DIN: 0.08-0.5mm²

AWG: 28-20

Tool weight: 0.35kg

Tool length: 190mm



FOR SOCKET SLEEVES
(FEMALE)
ROLLED SHAPE CRIMPING



Model No.: SN-02B

Crimping Range:

DIN: 0.5-2.5mm²

AWG: 20-14

Tab width: 6.3/4.8mm

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-28B

Crimping Range:

DIN: 0.25-1mm²

AWG: 24-18

Tab width: 2.8mm

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8mm

Tool weight: 0.35kg

Tool length: 190mm



FOR ATX, PCI, EPS, MOLEX FEMALE
CONNECTOR PIN / ROLL CRIMPING

Model No.: SN-01BM3

(Precise machining)

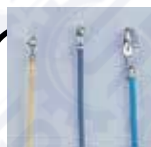
Crimping Range:

DIN: 0.05-0.8mm²

AWG: 30-18

Tool weight: 0.35kg

Tool length: 190mm



FOR ROLLED CONTACT AND
CONNECTOR
ROLL CRIMPING

Model No.: SN-15RC

Crimping Range:

DIN: 0.5-1.5mm²

AWG: 20-16

Tool weight: 0.35kg

Tool length: 190mm



OPT SN & DL SERIES HAND CRIMPING TOOLS

Ratchet type 7.5 inches smallest wave blue handles crimper. Original design.



**FOR SOCKET SLEEVES (FEMALE)
ROLLED SHAPE CRIMPING**



Model No.: SN-02B48L

Crimping Range:

DIN: 0.5-2.5mm²

AWG: 20-14

Tab width: 6.3/4.8mm

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-28B28L

Crimping Range:

DIN: 0.25-1mm²

AWG: 24-18

Tab width: 2.8mm

Tool weight: 0.35kg

Tool length: 190mm

Model No.: SN-48B48L

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8mm

Tool weight: 0.35kg

Tool length: 190mm



**CRIMPER WITH LOCATOR TO
SET CRIMPING MATERIALS**

Model No.: L0248 / L2828

Locator accessory for socket sleeves
fixed and easier crimping

Tab width: 4.8 / 2.8



**FOR COAXIAL CONNECTORS/ RG TYPE
HEXAGON SHAPE CRIMPING**

Model No.: SN-03H

Crimping Range:

AF size (mm): 4.5/ 3.25/ 3.84/ 1.72/ 1.0

Tool weight: 0.35kg

Tool length: 190mm

Model No.: SN-02H

Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72/ 1.0

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-04H

Crimping Range:

AF size (mm): 5.4/ 4.52/ 1.7/ 1.0

Tool weight: 0.35kg

Tool length: 190mm



Model No.: SN-5174

Crimping Range:

AF size (mm): 6.5/ 3.7/ 1.0/ 0.7

Tool weight: 0.35kg

Tool length: 190mm



**FOR WIRE FERRULE AND
END SLEEVE
HEXAGON CRIMPING**

Model No.: DL-6H

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 175mm

Conforms to

tensile test

IEC 60999-1



new



**FOR WIRE FERRULE AND
END SLEEVE
SQUARE CRIMPING**

SELF-PRESSURE ADJUSTING PLIERS

RATCHET LABOR-SAVING TYPE

SERRATED SURFACE CREATED ON FERRULES

ERGONOMIC DOUBLE COLOR HANDLES

Model No.: DL-10A

Crimping Range:

DIN: 0.08-10mm²

AWG: 28-8

Tool weight: 0.6kg

Tool length: 175mm



Model No.: DL-16A

Crimping Range:

DIN: 0.5-16mm²

AWG: 20-5

Tool weight: 0.6kg

Tool length: 175mm



Model No.: DL-16E

(WITH RANGE SELECTOR)

Crimping Range:

DIN: 0.5-6/10-16mm²

AWG: 20-5

Tool weight: 0.62kg

Tool length: 213mm



OPT FN SERIES HAND CRIMPING TOOLS

Ratchet type double-colored red+blue handles crimper. Original design.



FOR INSULATED CRIMP-STYLE
CABLE LUGS
OVAL SHAPE CRIMPING

Model No.: FN-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



- R: 0.5-1.5MM² AWG20-16
- B: 2.5MM² AWG14
- Y: 4-6MM² AWG12-10



Model No.: FN-04C

Crimping Range:

DIN: 0.14-6mm²

AWG: 26-10

Tool weight: 0.6kg

Tool length: 235mm



- G: 0.14-0.5MM² AWG26-20
- R: 0.75-1.5MM² AWG18-16
- B: 2.0-2.5MM² AWG14
- Y: 3.5-6MM² AWG12-10



Model No.: FN-18C

Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 230mm



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: FN-08

Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED CLOSED END SLEEVES
OVAL SHAPE CRIMPING

Model No.: FN-13C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-28C

Crimping Range:

DIN: 4-10mm²

AWG: 12-8

Tool weight: 0.6kg

Tool length: 230mm



FOR NON-INSULATED CABLE LUGS
MANDREL SHAPE CRIMPING

Model No.: FN-10 / FN-16

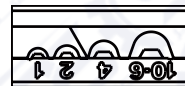
Crimping Range:

DIN: 1.5-10mm² / 2.5-16mm²

AWG: 16-8 / 14-6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-11

Crimping Range:

DIN: 0.1-10mm²

AWG: 26-8

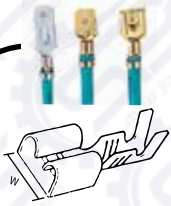
Tool weight: 0.6kg

Tool length: 230mm

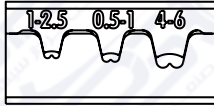
26-30	20-14	12-10	8 AWG
0.1-0.5	0.5-2.5	4-6	10mm ²



Ratchet type double-colored red+blue handles crimper. Original design.



FOR SOCKET SLEEVES
(FEMALE)
ROLLED SHAPE CRIMPING



Model No.: FN-03B

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-03BM

(Precise machining)

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-63B

Crimping Range:

DIN: 0.25-6mm²

AWG: 22-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-29B

Crimping Range:

DIN: 0.14-1.5mm²

AWG: 26-16

Tab width: 2.8mm

Tool weight: 0.6kg

Tool length: 230mm



FOR COAXIAL CONNECTORS
RG TYPE
HEXAGON SHAPE CRIMPING

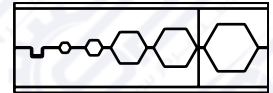
Model No.: FN-05H

Crimping Range:

AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-02H

Crimping Range:

AF size (mm): 6.5/ 5.4/ 1.72

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type double-colored red+blue handles crimper. Original design.



FOR NON-INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

Model No.: FN-01FL

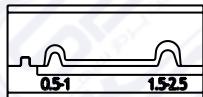
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-06FL / FN-10FL / FN-16FL

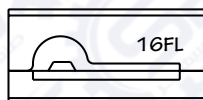
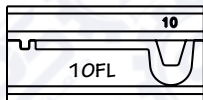
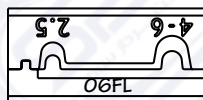
Crimping Range:

DIN: 2.5-6mm² / 10mm² / 16mm²

AWG: 14-10 / 8 / 6

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-02FL

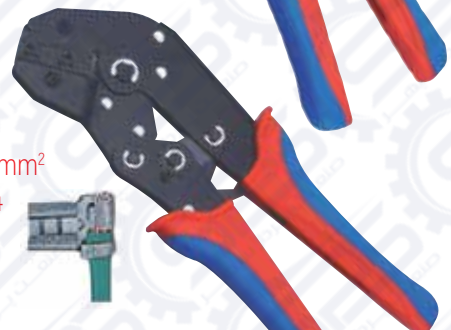
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-04FL

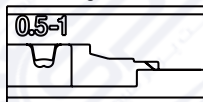
Crimping Range:

DIN: 0.5-1mm²

AWG: 20-18

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-05FL

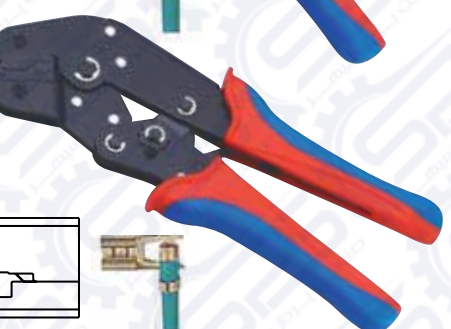
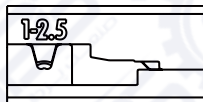
Crimping Range:

DIN: 1.5-2.5mm²

AWG: 16-14

Tool weight: 0.6kg

Tool length: 230mm



FOR INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

Model No.: FN-03FL

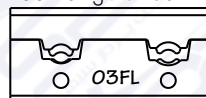
Crimping Range:

DIN: 0.5-1mm² / 1.5-2.5mm²

AWG: 20-18 / 16-14

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-09FL

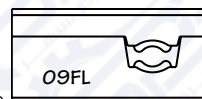
Crimping Range:

DIN: 6mm²

AWG: 10

Tool weight: 0.6kg

Tool length: 230mm



FOR TERMI-FOIL TERMINALS
AND SPLICES
OVAL SHAPE CRIMPING

Model No.: FN-06FT

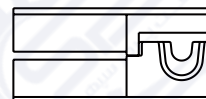
Crimping Range:

DIN: 3-6mm²

AWG: 12-10

Tool weight: 0.6kg

Tool length: 230mm



FOR TURNED PLUG CONTACT
HEXAGONAL CRIMPING

Model No.: FN-06PT

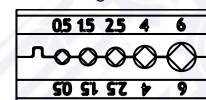
Crimping Range:

DIN: 1.5-6mm²

AWG: 16-10

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type double-colored red+blue handles crimper. Original design.



FOR END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Model No.: FN-04WF / FN-06WF / FN-10WF

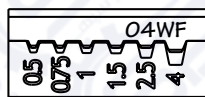
Crimping Range:

DIN: 0.5-4mm² / 0.5-6mm² / 1-10mm²

AWG 20-12 / 20-10 / 18-8

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-11WF

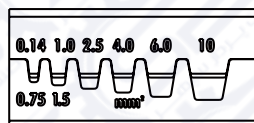
Crimping Range:

DIN: 0.14-10mm²

AWG 26-10

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-16WF

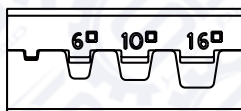
Crimping Range:

DIN: 6-16mm²

AWG 10-5

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-25WF

Crimping Range:

DIN: 10-25mm²

AWG 8-3

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-35WF

Crimping Range:

DIN: 10-35mm²

AWG 8-2

Tool weight: 0.6kg

Tool length: 240mm



Model No.: FN-50WF

Crimping Range:

DIN: 25-50mm²

AWG 3-0

Tool weight: 0.6kg

Tool length: 240mm



Model No.: FN-06WF2C

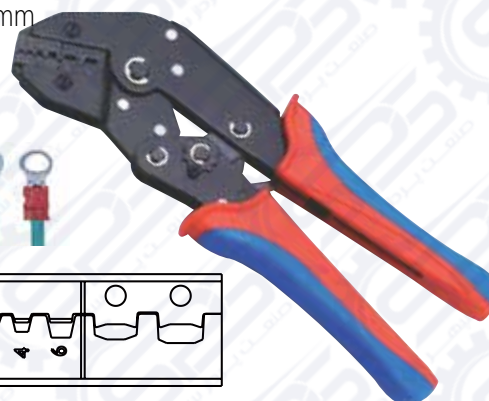
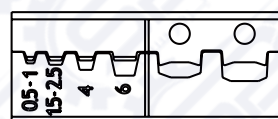
Crimping Range:

End-sleeves(trapezoidal) 0.5-6mm² AWG 20-10

Pre-insulated(oval) 0.5-2.5mm² AWG 20-14

Tool weight: 0.6kg

Tool length: 230mm



Ratchet type double-colored red+blue handles crimper. Original design.



FOR TWIN END SLEEVES
TRAPEZOIDAL SHAPE
CRIMPING

Model No.: FN-06TW

Crimping Range:

End sleeves: $0.5-6\text{mm}^2$ AWG 20-10

Twin end sleeves: $2 \times 0.2\text{mm}^2$ - $2 \times 0.4\text{mm}^2$

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-26TW

Crimping Range:

$2 \times 0.5\text{mm}^2$

$2 \times 0.75\text{mm}^2$

$2 \times 1\text{mm}^2$

$2 \times 1.5\text{mm}^2$

$2 \times 2.5\text{mm}^2$

$2 \times 4\text{mm}^2$

$2 \times 6\text{mm}^2$

AWG 20-10 x 2

Tool weight: 0.6kg

Tool length: 230mm



Model No.: FN-210TW

Crimping Range:

$2 \times 6\text{mm}^2$

$2 \times 10\text{mm}^2$

$2 \times 16\text{mm}^2$

AWG 10-5 x 2

Tool weight: 0.6kg

Tool length: 230mm



FOR MULTI-CONTACT MC3
FOR PHOTOVOLTAICS
SQUARE SHAPE CRIMPING

Model No.: FN-S1

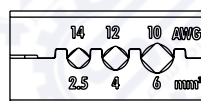
Crimping Range:

$2.5/4/6\text{mm}^2$

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 230mm



FOR MULTI-CONTACT MC4
FOR PHOTOVOLTAICS
ROLLED SHAPE CRIMPING

Model No.: FN-S2

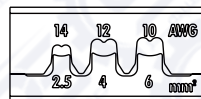
Crimping Range:

$2.5/4/6\text{mm}^2$

AWG 14/12/10

Tool weight: 0.6kg

Tool length: 230mm





FOR INSULATED CRIMP-STYLE CABLE LUGS OVAL SHAPE CRIMPING

Model No.: AP-03C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 260mm



- R: 0.5-1.5MM² AWG20-16
- B: 2.5MM² AWG14
- Y: 4-6MM² AWG12-10



Model No.: AP-04C

Crimping Range:

DIN: 0.14-6mm²

AWG: 26-10

Tool weight: 0.6kg

Tool length: 265mm



- G: 0.14-0.5MM² AWG26-20
- R: 0.75-1.5MM² AWG18-16
- B: 2.0-2.5MM² AWG14
- Y: 3.5-6MM² AWG12-10



Model No.: AP-18C

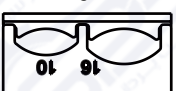
Crimping Range:

DIN: 10-16mm²

AWG: 8-6

Tool weight: 0.6kg

Tool length: 260mm



Ratchet type super-soft red crimper. Labor-saved design.



FOR INSULATED CLOSED END SLEEVES OVAL SHAPE CRIMPING

Model No.: AP-13C

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-28C

Crimping Range:

DIN: 4-10mm²

AWG: 12-8

Tool weight: 0.6kg

Tool length: 260mm



FOR NON-INSULATED CABLE LUGS MANDREL SHAPE CRIMPING

Model No.: AP-10

Crimping Range:

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-16

Crimping Range:

DIN: 2.5-16mm²

AWG: 14-6

Tool weight: 0.6kg

Tool length: 260mm





FOR SOCKET SLEEVES
(FEMALE)
ROLLED SHAPE CRIMPING

Model No.: AP-03B

Crimping Range:

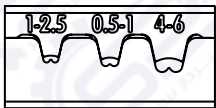
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-03BM (Precise machining)

Crimping Range:

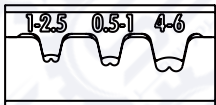
DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-48B

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-63B

Crimping Range:

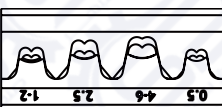
DIN: 0.25-6mm²

AWG: 22-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Ratchet type super-soft red crimper. Labor-saved design.



CRIMPER WITH LOCATOR TO
SET CRIMPING MATERIALS

Model No.: AP-48B48L

Crimping Range:

DIN: 0.14-2.5mm²

AWG: 26-14

Tab width: 4.8/2.8mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-03B48L

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tab width: 4.8mm

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-03B63L

Crimping Range:

DIN: 0.5-6mm²

AWG: 20-10

Tab width: 6.3mm

Tool weight: 0.6kg

Tool length: 260mm



Ratchet type super-soft red crimper. Labor-saved design.



FOR NON-INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

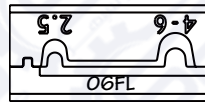
Model No.: AP-01FL

Crimping Range:
DIN: 0.5-1mm² / 1.5-2.5mm²
AWG: 20-18 / 16-14
Tool weight: 0.6kg
Tool length: 260mm



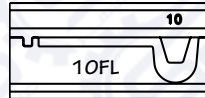
Model No.: AP-06FL

Crimping Range:
DIN: 2.5-6mm²
AWG: 14-10
Tool weight: 0.6kg
Tool length: 260mm



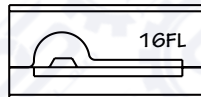
Model No.: AP-10FL

Crimping Range:
DIN: 10mm²
AWG: 8
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-16FL

Crimping Range:
DIN: 16mm²
AWG: 6
Tool weight: 0.6kg
Tool length: 260mm



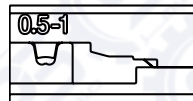
Model No.: AP-02FL

Crimping Range:
DIN: 0.5-1mm² / 1.5-2.5mm²
AWG: 20-18 / 16-14
Tool weight: 0.6kg
Tool length: 260mm



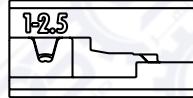
Model No.: AP-04FL

Crimping Range:
DIN: 0.5-1mm²
AWG: 20-18
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-05FL

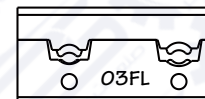
Crimping Range:
DIN: 1.5-2.5mm²
AWG: 16-14
Tool weight: 0.6kg
Tool length: 260mm



FOR INSULATED 90° FLAG LUGS
OVAL SHAPE CRIMPING

Model No.: AP-03FL

Crimping Range:
DIN: 0.5-1mm² / 1.5-2.5mm²
AWG: 20-18 / 16-14
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-09FL

Crimping Range:
DIN: 6mm²
AWG: 10
Tool weight: 0.6kg
Tool length: 260mm



OPT AP SERIES HAND CRIMPING TOOLS

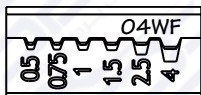
Ratchet type super-soft red crimper. Labor-saved design.



FOR END SLEEVES TRAPEZOIDAL SHAPE CRIMPING

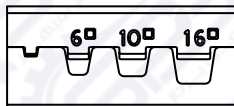
Model No.: AP-04WF

Crimping Range:
DIN: 0.5-4mm²
AWG 20-12
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-16WF

Crimping Range:
DIN: 6-16mm²
AWG 10-5
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-06WF

Crimping Range:
DIN: 0.5-6mm²
AWG 20-10
Tool weight: 0.6kg
Tool length: 260mm



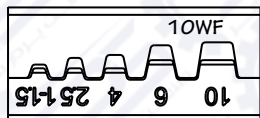
Model No.: AP-25WF

Crimping Range:
DIN: 10-25mm²
AWG 8-3
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-10WF

Crimping Range:
DIN: 1-10mm²
AWG 18-8
Tool weight: 0.6kg
Tool length: 260mm



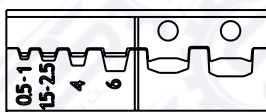
Model No.: AP-50WF

Crimping Range:
DIN: 25-50mm²
AWG 3-0
Tool weight: 0.6kg
Tool length: 270mm



Model No.: AP-06WF2C

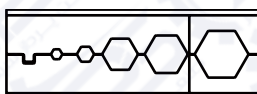
Crimping Range:
End-sleeves(trapezoidal) 0.5-6mm² AWG 20-10
Pre-insulated(oval) 0.5-2.5mm² AWG 20-14
Tool weight: 0.6kg
Tool length: 260mm



FOR COAXIAL CONNECTORS/ RG TYPE HEXAGON SHAPE CRIMPING

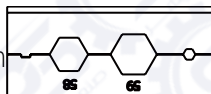
Model No.: AP-05H

Crimping Range:
AF size (mm): 8.1/ 6.5/ 5.4/ 2.6/ 1.72
Tool weight: 0.6kg
Tool length: 260mm



Model No.: AP-02H

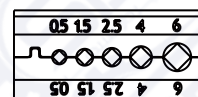
Crimping Range:
AF size (mm): 6.5/ 5.4/ 1.72
Tool weight: 0.6kg
Tool length: 260mm



FOR TURNED PLUG CONTACT HEXAGONAL CRIMPING

Model No.: AP-06PT

Crimping Range:
DIN: 1.5-6mm²
AWG: 16-10
Tool weight: 0.6kg
Tool length: 260mm





FOR TWIN END SLEEVES
TRAPEZOIDAL SHAPE CRIMPING

Ratchet type super-soft red crimper. Labor-saved design.

Model No.: AP-26TW

Crimping Range:

2x0.5mm²

2x0.75mm²

2x1mm²

2x1.5mm²

2x2.5mm²

2x4mm²

2x6mm²

AWG 20-10 x 2

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-25NWF

Crimping Range:

End sleeves: 10-25mm²

Twin end sleeves:

2x4mm²

2x6mm²

2x10mm²

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-35NWF

Crimping Range:

End sleeves: 16-35mm²

Twin end sleeves:

2x6mm²

2x10mm²

2x16mm²

Tool weight: 0.6kg

Tool length: 260mm



Model No.: AP-50NWF

Crimping Range:

End sleeves: 35-50mm²

Twin end sleeves:

2x16mm²

2x25mm²

Tool weight: 0.6kg

Tool length: 260mm



REMARK: CRIMPING DIES OF LY, LYG, ANB, BNB, AP, FN SERIES COULD BE SHARED.

Easy carry kit box with crimper and multi-function crimping dies

Model No.: QLY03C-6D

Crimping Tool Kit

Quick dies-insert system

QLY-03C crimper plus 5 pairs dies

Dies content:

03C/03B/04WF/16WF/10/02H3



Model No.: LY03C-5D

Crimping Tool Kit

LY-03C crimper

plus 4 pairs dies

Dies content:

03C/03B/04WF/16WF/10



Model No.: ANB03C-5D

Crimping Tool Kit

AN-03C crimper

plus 4 pairs dies

Dies content:

03C/03B/04WF/16WF/10



Model No.: SN02C-5D

Crimping Tool Kit

SN-02C crimper

plus 4 pairs dies

Dies content:

02C/02B/02WF/06WF/02



Model No.: QLY03C-5D

Crimping Tool Kit

Quick dies-insert system

QLY-03C crimper plus 4 pairs dies

Dies content:

03C/03B/04WF/16WF/10



Model No.: LY05H-5A

Crimping Tool Kit

LY-05H crimper

plus 4 pairs dies

Dies content:

05H/02H/02H1/1741/457

LY-322 Coax-stripper

LY-206 Cutter



Model No.: BNB03C-5D

Crimping Tool Kit

BN-03C crimper

plus 4 pairs dies

Dies content:

03C/03B/04WF/16WF/10



Model No.: FN03C-5D

Crimping Tool Kit

FN-03C crimper

plus 4 pairs dies

Dies content:

03C/03B/04WF/16WF/10



Model No.: ES-3A

Crimping range:

0.25-2.5mm²

Total 150pcs lugs

0.5

0.75

1

1.5

2.5

(each size 30pcs)



Model No.: ES-16A

Crimping range:

0.5-16mm²

Total 140pcs lugs

0.5/0.75/1 (each size 25pcs)

1.5 (20pcs)

2.5 (15pcs)

4/6 (each size 10pcs)

10/16 (each size 5pcs)



Model No.: ES-16B

Crimping range:

0.5-16mm²

Total 105pcs

insulated lugs

0.75 (25pcs)

1 (25pcs)

1.5 (20pcs)

2.5 (15pcs)

4 (10pcs)

6 (10pcs)



OPT SU SERIES HAND CRIMPING TOOLS



**FOR NON-INSULATED
CABLE LUGS
MANDREL SHAPE CRIMPING**

Model No.: SU-2 / SU-5 / SU-6

Crimping Range:

DIN: 0.5-2.5mm² / 1.25-5.5mm² / 0.5-5.5mm²

AWG: 20-14 / 16-10 / 20-10

Tool weight: 0.23kg / 0.24KG / 0.24KG

Tool length: 183mm / 188mm / 190mm



Model No.: SU-8

Crimping Range:

JIS: 1.25-8mm²

DIN: 1.5-10mm²

AWG: 16-8

Tool weight: 0.43kg

Tool length: 255mm



Model No.: SU-16

Crimping Range:

JIS: 1.25-14mm²

DIN: 1.5-16mm²

AWG: 16-5

Tool weight: 0.44kg

Tool length: 263mm



Model No.: SU-16N (Australian)

Crimping Range:

JIS: 1.25-14mm²

DIN: 1.5-16mm²

AWG: 16-5

Tool weight: 0.51kg

Tool length: 285mm



Model No.: SU-22

Crimping Range:

JIS: 5.5-22mm²

DIN: 6-25mm²

AWG: 10-4

Tool weight: 0.92kg

Tool length: 330mm



Model No.: SU-38

Crimping Range:

JIS: 5.5-38mm²

DIN: 6-35mm²

AWG: 10-2

Tool weight: 0.92kg

Tool length: 340mm



**FOR INSULATED
CLOSED END SLEEVES
OVAL SHAPE CRIMPING**

Model No.: SU-13

Crimping Range: JIS: 0.25-5.5mm²

DIN: 0.5-6mm² / AWG: 20-10

Tool weight: 0.51kg / Tool length: 285mm



Model No.: SU-28C

Crimping Range: JIS: 3.5-14mm²

DIN: 4-10mm² / AWG: 12-8

Tool weight: 0.51kg / Tool length: 285mm



**FOR INSULATED CRIMP-
STYLE CABLE LUGS
OVAL SHAPE CRIMPING**

Model No.: SU-11

Crimping Range: JIS: 1.25-2mm²

DIN: 1.5-2mm² / AWG: 16-14

Tool weight: 0.7kg / Tool length: 285mm



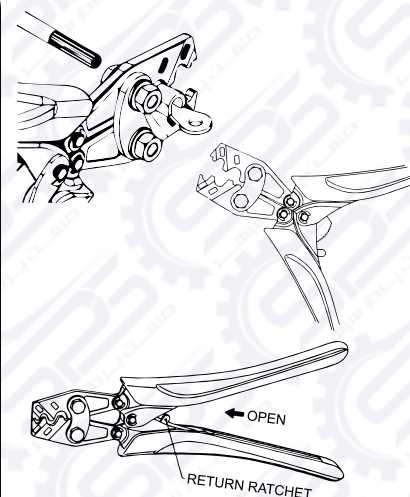
Model No.: SU-12

Crimping Range: JIS: 2-5.5mm²

DIN: 2-6mm² / AWG: 16-10

Tool weight: 0.7kg / Tool length: 285mm

Ratchet type crimper with ergonomics handles, more labor-saving, support single hand operation.



Knock the ratchet if the handles can not be opened due to wrong use.

Portable small crimpers for different lugs crimping.

Model No.: ES-3

For end-sleeves crimping
Crimping range: 0.25-2.5mm²
Tool weight: 0.2kg
Tool length: 165mm



Model No.: ES-16

For end-sleeves crimping
Crimping range: 0.5-16mm²
Tool weight: 0.3kg
Tool length: 190mm



Model No.: ES-3WF

For end-sleeves crimping
Crimping range: 0.25/0.5/0.75/1/1.5/2.5mm²
Tool weight: 0.42kg
Tool length: 145mm



Model No.: LY-261B

For non-insulated lugs crimping
Crimping range: 1.5/2.5/4/6mm²
Tool weight: 0.42kg
Tool length: 145mm



Model No.: LY-261A

For non-insulated lugs crimping
Crimping range: 0.5/0.75/1/1.5/2.5mm²
Tool weight: 0.42kg
Tool length: 145mm



Model No.: LY-291 / LY-291A

For non-insulated lugs crimping
Crimping range: LY-291: 0.75/1/1.5/2.5/4/6/10/16mm²
LY-291A: 10/16/25/35mm²
Tool weight: 0.23kg
Tool length: 225mm



Model No.: LY-202A With cutter

Crimping range:
Computer pin and socket/D-Sub AWG 26-28
Butt-insulated lug AWG 22-26
Telephone piercing spade lug AWG 22-26
Open barrel connector AWG 20-22
Open barrel connector AWG 14-18
Tool weight: 0.25kg
Tool length: 185mm



Model No.: LY-202B With cutter

Crimping range:
Computer pin and socket/D-Sub AWG 26-28
Butt-insulated lug AWG 22-26
Telephone piercing spade lug AWG 22-26
Open barrel connector AWG 20-22
Open barrel connector AWG 14-18
Non-insulated solder lug AWG 10-14
Tool weight: 0.25kg
Tool length: 185mm



Model No.: LY-145 / LY-146

For D-subminiature contact crimping
Crimping range:
LY-145: 0.14-0.5mm² AWG 20-25
LY-146: 0.5-4mm² AWG 12-20
Tool weight: 0.26kg
Tool length: 165mm



Model No.: CT-140

For terminals and lugs
Pressed by hammer
Crimping Range: AWG 16-4/0
Tool weight: 0.7kg



Manual indent crimping with adjustable crimping range

Model No.: KH-120

With non-ratchet adjusting screw

For copper and aluminum cable lugs

Crimping Range:

DIN: 10-95mm²

AWG: 8-4/0 (Aluminum)

AWG 8-250MCM (Copper)

Tool weight: 2.8kg

Tool length: 558mm



Model No.: KH-150

With non-ratchet adjusting screw

For copper and aluminum cable lugs

Crimping Range:

DIN: 10-120mm²

JIS: 8-100mm²

AWG: 8-4/0 (Aluminum)

AWG 8-250MCM (Copper)

Tool weight: 3.5kg

Tool length: 595mm



Model No.: KH-170

With non-ratchet adjusting screw

For copper and aluminum cable lugs

Crimping Range:

DIN: 10-150mm²

JIS: 8-120mm²

AWG: 8-250MCM (Aluminum)

AWG 8-300MCM (Copper)

Tool weight: 3.8kg

Tool length: 660mm



Model No.: KH-230

With non-ratchet adjusting screw
and telescopic lever

For copper and aluminum cable lugs

Crimping Range:

DIN: 10-240mm²

JIS: 8-150mm²

AWG: 8-400MCM (Aluminum)

AWG 8-500MCM (Copper)

Tool weight: 4.8kg

Tool length: 660-980mm



Model No.:

HX-160 / HX-240 / HX-400

With movable revolving dies
and telescopic lever

For non-insulated lugs

Crimping Range:

70-150 / 120-240 / 185-400mm²

2/0-300 250-500 300-750MCM

Tool weight: 4.8kg

Tool length: 978mm



Model No.: CT-38

With movable revolving dies

For non-insulated lugs

Crimping Range:

DIN: 10/16/25/35mm²

JIS: 8/14/22/38mm²

AWG: 8-2

Tool weight: 2.9kg

Tool length: 556mm



Model No.: CT-60

With movable revolving dies

For non-insulated lugs

Crimping Range:

DIN: 16/25/35/50-70mm²

JIS: 14/22/38/60mm²

AWG: 6-2/0

Tool weight: 3.8kg

Tool length: 676mm



Model No.: CT-80

With movable revolving dies

For non-insulated lugs

Crimping Range:

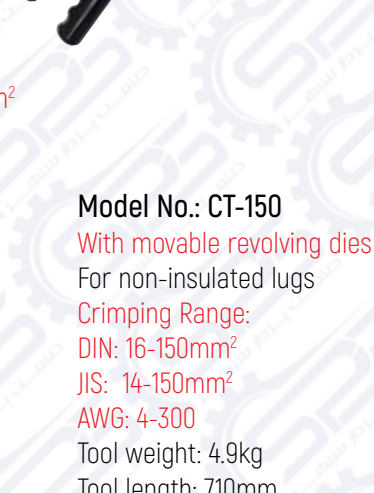
DIN: 10/16/25/35/50-70/95mm²

JIS: 8/14/22/38/60/80mm²

AWG: 8-3/0

Tool weight: 3.9kg

Tool length: 638mm



Model No.: CT-150

With movable revolving dies

For non-insulated lugs

Crimping Range:

DIN: 16-150mm²

JIS: 14-150mm²

AWG: 4-300

Tool weight: 4.9kg

Tool length: 710mm

Model No.: CT-100

With movable revolving dies

For non-insulated lugs

Crimping Range:

DIN: 25/35/50-70/95/120mm²

JIS: 22/38/60/80/100mm²

AWG: 4-4/0

Tool weight: 4.9kg

Tool length: 676mm



Manual hexagonal crimping with adjustable crimping range and rotatable dies

Model No.: HX-50B

For British copper lug
Crimping Range:
6-50mm²
Tool weight: 1.3kg
Tool length: 390mm



Different standard models

HX-50G: For German copper lug
HX-50D: For DIN 46235 copper lug
HX-50MW: For German copper lug (MW)
HX-50N: For Australia copper lug
HX-50U: For U.S.A. copper lug AWG 6-1/0
HX-50J: For Japan copper lug 8-60mm²
HX-50A: For DIN 48201 aluminum lug 10-35mm²

Model No.: HX-N120B

For British copper lug
Crimping Range:
6-120mm²
Tool weight: 3.6kg
Tool length: 627mm



Model No.: HX-120B

For British copper lug
Crimping Range:
10-120mm²
Tool weight: 4kg
Tool length: 620mm



Different standard models

HX-120G: For German copper lug
HX-120D: For DIN 46235 copper lug
HX-120A: For DIN 48201 aluminum lug
HX-120MW: For German copper lug (MW)
HX-120N: For Australia copper lug 6-120mm²
HX-120U: For U.S.A. copper lug AWG 8-4/0

Model No.: HX-150B

For British copper lug
Crimping Range:
25-150mm²
Tool weight: 4kg
Tool length: 620mm

Different standard models

HX-150G: For German copper lug
HX-150D: For DIN 46235 copper lug
HX-150N: For Australia copper lug
HX-150A: For DIN 48201 aluminum lug 16-120mm²



Model No.: HX-245B

For British copper lug
With telescopic lever
Crimping Range:
70-240mm²
Tool weight: 5.6kg
Tool length: 980mm

Different standard models

HX-245D: For DIN 46235 copper lug
HX-245A: For DIN 48201 aluminum lug 50-185mm²



Manual hexagonal crimping with adjustable crimping range and changeable dies

Model No.: RHX-95B (Mechanical)

For British copper lug
Crimping Range:
10-95mm²
Tool weight: 1.5kg
Tool length: 275mm
Output: 3 tons
Dies No.:
B9501 (CU10)
B9502 (CU16)
B9503 (CU25)
B9504 (CU35)
B9505 (CU50)
B9506 (CU70)
B9507 (CU95)



Model No.: RHX-95D (Mechanical)

For DIN copper and aluminum lug
Crimping Range:
DIN 46235 copper lug 10-70mm²
DIN 48201 aluminum lug 10-50mm²
Tool weight: 1.5kg
Tool length: 275mm
Output: 3 tons
Dies No.:
D9501 (CU10)
D9502 (CU16-AL10-K8)
D9503 (CU25-AL16-K10)
D9504 (CU35-AL25-K12)
D9505 (CU50-AL35-K14)
D9506 (CU70-AL50-K16)

Different standard models

KH-325D:

For DIN 46235 copper lug 35-400mm²

KH-325A:

For DIN 48201 aluminum lug 35-300mm²

Model No.: RHX-185B (Mechanical)

For British copper lug
Crimping Range:
10-185mm²
Tool weight: 2kg
Tool length: 483mm
Output: 5 tons



Model No.: RHX-185D (Mechanical)

For DIN copper and aluminum lug
Crimping Range:
DIN 46235 copper lug 10-185mm²
DIN 48201 aluminum lug 10-150mm²
Tool weight: 2kg
Tool length: 483mm
Output: 5 tons

Model No.: KH-325B (Mechanical)

For British copper lug
Crimping Range:
35-400mm²
Tool weight: 5kg
Tool length: 980mm



R35 Type dies list for KH-325 crimpers

Dies No.:	Dies No.:	Dies No.:
B3510 (CU10)	D3510 (CU10-AL6-K6)	PR3510 (CU10)
B3516 (CU16)	D3516 (CU16-AL10-K8)	PR3516 (CU16)
B3525 (CU25)	D3525 (CU25-AL16-K10)	PR3525 (CU25)
B3535 (CU35)	D3535 (CU35-AL25-K12)	PR3535 (CU35)
B3550 (CU50)	D3550 (CU50-AL35-K14)	PR3550 (CU50)
B3570 (CU70)	D3570 (CU70-AL50-K16)	PR3570 (CU70)
B3595 (CU95)	D3595 (CU95-AL70-K18)	PR3595 (CU95)
B35120 (CU120)	D35120 (CU120-AL95-K20)	PR35120 (CU120)
B35150 (CU150)	D35150 (CU150-AL120-K22)	PR35150 (CU150)
B35185 (CU185)	D35185 (CU185-AL150-K25)	PR35185 (CU185)
B35240 (CU240)	D35240 (CU240-AL185-K28)	PR35240 (CU240)
B35300 (CU300)	D35300 (CU300-AL240-K32)	PR35300 (CU300)
B35400 (CU400)	D35400 (CU400-AL300-K38)	PR35400 (CU400)

Model No.: CX-1B (Mechanical)

For British copper lug
With telescopic lever
Crimping Range: 25-300mm²
Tool weight: 4.5kg / Tool length: 980mm

Different standard models

CX-1D: For DIN 46235 copper lug 25-240mm²

CX-1A: For DIN 48201 aluminum lug 25-185mm²



Model No.: CX-22B (Mechanical)

For British copper lug
With telescopic lever
Crimping Range: 10-300mm²
Tool weight: 4.5kg / Tool length: 980mm

Different standard models

CX-22D: For DIN 46235 copper lug 10-300mm²

CX-22A: For DIN 48201 aluminum lug 6-240mm²



Model No.: KH-185B (Mechanical)

For British copper lug
With telescopic lever
Crimping Range: 10-185mm²
Tool weight: 4.5kg / Tool length: 980mm

Different standard models

KH-185D: For DIN 46235 copper lug 10-185mm²

KH-185A: For DIN 48201 aluminum lug 10-150mm²

KH-185N: For Australia copper lug 10-150mm²



H-tape crimper with FRP insulated handles, also support Burndy dies

Model No.: OD-58BGD3
(60kV/5min FRP handles)

For H-tap lug
Support Huskie/Burndy W-series dies
Jaw size: BG & D3
Output: 4.5tons
Tool weight: 3.3kgs
Tool length: 650mm



Model No.: OD-58OD3
(60kV/5min FRP handles)

For H-tap lug
Support Huskie/Burndy W-series dies
Jaw size: O & D3
Output: 4.5tons
Tool weight: 3.3kgs
Tool length: 650mm



58W jaw dies list for H-tap lugs

Dies No.:	
58W-BG	AWG 3-6
58W-O	AWG 6-1/0
58W-C	AWG 2-2/0
58W-K840	AWG 2-4
58W-161	AWG 6
58W-162	AWG 4
58W-163	AWG 1
58W-165	AWG 1/0-4/0
58W-L	AWG 2/0-4/0
58W-W2CRT	AWG 10-#2
58W-28K	AWG 4-4/0 CU-AL-ACSR CUTTING

Model No.: OD-580BGD3
(60kV/5min FRP handles)

For H-tap lug
Support Huskie/Burndy W-series dies
Jaw size: BG & O & D3
Output: 4.5tons
Tool weight: 3.5kgs
Tool length: 730mm

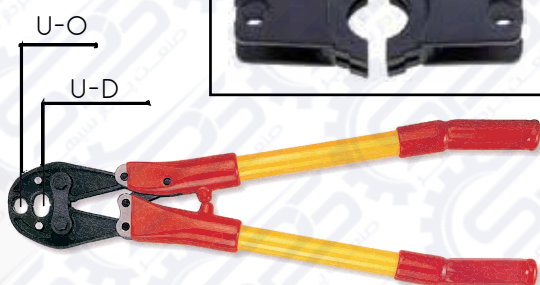


58W-28K



Model No.: OD-59
(60kV/5min Fiberglass handles)

For H-tap lug
Use OPT dies only
Jaw size: O & D
Output: 4.5tons
Tool weight: 3.3kgs
Tool length: 710mm



OD59-BG Jaw die set

Dies No.:
59-BG AWG #6-#8



Applications and range

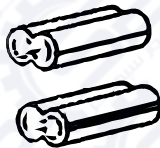
5/8" service entrance connector AWG 10-1/0
840 service entrance connector AWG 1/0-4/0
Aluminum H-tap AWG 6-4/0
Copper H-tap AWG 10-2
Copper tension splice AWG 8-2/0
Aluminum tension splice AWG 6-4/0
One piece ACSR tension splice AWG 4-1/0
Two pieces ACSR tension splice AWG 2-477MCM
Aluminum jumper splice AWG 4-2668MCM
Stirrups AWG 2-4/0
Aluminum lug AWG 2-1/0
Copper lug AWG 6-1/0

OPT ALUMINUM OVAL SLEEVES CRIMPERS

Manual crimpers for aluminum oval sleeves and automotive battery connectors crimping

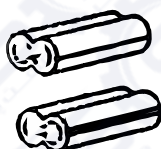
Model No.: HS-14 (With wire cut)

For aluminum oval sleeve
Chrome-molybdenum alloy steel dies
Crimping Range:
1/16" and 3/32" and 1/8"
Tool weight: 0.92kg
Tool length: 350mm



Model No.: HS-24 (With wire cut)

For aluminum oval sleeve
Chrome-molybdenum alloy steel dies
Crimping Range:
1/16" and 5/64" and 3/32"
7/64" and 1/8" and 5/32" and 3/16"
Tool weight: 2.5kg
Tool length: 600mm



FOR NON-INSULATED AND
INSULATED CABLE LUGS
OVAL SHAPE CRIMPING



Model No.: HS-35C

Crimping Range:
Non-insulated DIN: 16/25/35/50mm² AWG 6-1/0
Insulated DIN: 10/16/25/35mm² AWG 8-2
Tool weight: 2.5kg
Tool length: 600mm



Model No.: HS-10

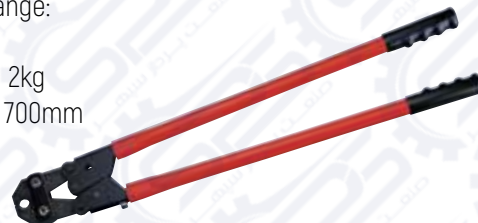
(With wire cut)

For aluminum oval sleeve
Chrome-vanadium steel dies
Crimping Range:
0.5-1mm
1.5-2mm
2.2mm
Tool weight: 0.42kg
Tool length: 150mm



Model No.: HS-25

For copper tube connector
Crimping Range:
3/16"
Tool weight: 2kg
Tool length: 700mm



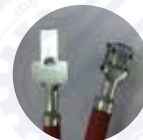
Model No.: HS-20

For copper tube connector
Crimping Range:
1/8" and 3/16"
Tool weight: 2.3kg
Tool length: 600mm



Model No.: HS-16B

For continues connectors
Crimping Range: 10/16mm²
Tool weight: 2.5kg Tool length: 540mm



Model No.: HS-10B

For automotive battery connectors
Crimping Range:
10mm² / AWG 8
Tool weight: 2.5kg
Tool length: 540mm



Model No.: HS-35B

For automotive battery connectors
Crimping Range:
JIS: 14-36mm²
DIN: 16-35mm²
AWG: 6-2
Tool weight: 2.5kg
Tool length: 540mm



 **1000V**
IEC 60900:2004

Manual cable cutters with anti-voltage FRP light-weighted handles



Model No.: LK-156FR (FRP handles)

Max. blade opening Dia. 25mm

Cutting range:

Copper cable 150mm² (350MCM)

Aluminum cable 150mm² (350MCM)

Slim communication cable Dia. 25mm

Tool weight: 1.3kg

Tool length: 444mm



Model No.: LK-246FR (FRP handles)

Max. blade opening Dia. 30mm

Cutting range:

Copper cable 150mm² (350MCM)

Aluminum cable 240mm² (500MCM)

Slim communication cable Dia. 30mm

Tool weight: 1.7kg

Tool length: 533mm



Model No.: LK-326FR (FRP handles)

Max. blade opening Dia. 35mm

Cutting range:

Copper cable 250mm² (750MCM)

Aluminum cable 325mm² (750MCM)

Slim communication cable Dia. 35mm

Tool weight: 1.8kg

Tool length: 660mm



Model No.: LK-516FR (FRP handles)

Max. blade opening Dia. 32mm

Cutting range:

Copper cable 240mm² (500MCM)

Aluminum cable 500mm² (1000MCM)

Slim communication cable Dia. 32mm

Tool weight: 2.5kg

Tool length: 648mm



Model No.: LK-526FR (FRP handles)

Max. blade opening Dia. 32mm

Cutting range:

Copper cable 400mm² (750MCM)

Aluminum cable 500mm² (1000MCM)

Slim communication cable Dia. 32mm

Tool weight: 2.8kg

Tool length: 800mm



Model No.: LK-570FR (FRP handles)

Max. blade opening Dia. 44mm

Cutting range:

Copper cable 500mm² (1000MCM)

Aluminum cable 630mm² (1200MCM)

Slim communication cable Dia. 44mm

Tool weight: 3.3kg

Tool length: 830mm



 **1000V**
IEC 60900:2012

Manual cable cutters with 1000V anti-voltage FRP light-weighted handles



Model No.: LK-70AV (1000V FRP handles)

Max. blade opening Dia. 13.7mm

Cutting range:

Copper and aluminum cable 70mm²

Tool weight: 0.4kg

Tool length: 235mm



Model No.: LK-300BV (1000V FRP handles)

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 300mm² (600MCM)

Tool weight: 0.6kg

Tool length: 240mm



Model No.: LK-327BV (1000V FRP handles)

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 240mm² (600MCM)

Tool weight: 0.7kg

Tool length: 250mm



Model No.: LK-530BV (1000V FRP handles)

Max. blade opening Dia. 52mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 0.9kg

Tool length: 280mm



Model No.: LK-22AV (1000V FRP handles)

Max. blade opening Dia. 9.2mm

Cutting range:

Copper and aluminum cable 22mm²

AWG #4

Tool weight: 0.2kg

Tool length: 165mm



Heavy-duty manual cable cutters: Fast-scissor type & Bearing type

Model No.: AC-300 (Fiberglass handles)

Cutting range:

ACSR 400mm² (Dia. 25mm)

Soft steel rod 1/2" (Dia. 12.7mm)

Tool weight: 5kg

Tool length: 800mm



Model No.: LK-1300 (Heavy-duty type)

Max. blade opening Dia. 120mm

Cutting range:

Copper and aluminum cable 1000mm² (2000MCM)

Tool weight: 8.5kg

Tool length: 630mm



Model No.: LK-400A (Fiberglass handles)

Cutting range:

Copper cable 630mm² (Dia. 52mm)

Aluminum cable 630mm² (Dia. 52mm)

Tool weight: 5kg

Tool length: 750mm



Model No.: SC-16B (Bearing type)

Cutting range:

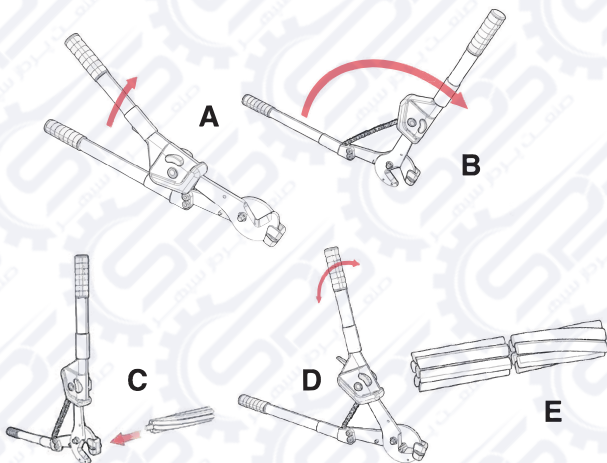
Wire rope Max. Dia. 16mm

Tool weight: 1.14kg

Tool length: 230mm



TWO CUTTING ACTIONS - FAST SCISSOR CUTS SMALL CABLES AND CONVERTS AUTOMATICALLY TO RATCHET MODE.



Model No.: SC-30A (Bearing type)

Cutting range:

ACSR Max. Dia. 30mm

Tool weight: 1.15kg

Tool length: 240mm



Manual cable cutters with original design steel durable handles

Model No.: LK-70A

Max. blade opening Dia. 13.7mm

Blade Material: Forged steel

Cutting range:

Copper and aluminum cable 70mm²

Tool weight: 0.4kg

Tool length: 235mm



Model No.: LK-38A

Max. blade opening Dia. 11.4mm

Cutting range:

Copper and aluminum cable 38mm²

AWG #1

Tool weight: 0.3kg

Tool length: 210mm



Model No.: HDP-160 10"

Body material:

Medium carbon steel

Crimping range: 0.5-10mm²

With cut

Tool weight: 0.53kg

Tool length: 254mm



Model No.: LK-60A

Max. blade opening Dia. 12.8mm

Cutting range:

Copper and aluminum cable 60mm²

AWG #2/0

Tool weight: 0.5kg

Tool length: 235mm



Model No.: LK-38B

Max. blade opening Dia. 11.4mm

Cutting range:

Copper and aluminum cable 38mm²

AWG #1

Tool weight: 0.3kg

Tool length: 210mm



Model No.: LK-22A

Max. blade opening Dia. 9.2mm

Cutting range:

Copper and aluminum cable 22mm²

AWG #4

Tool weight: 0.2kg

Tool length: 160mm



Model No.: AC-100

Cutting range:

Copper and aluminum cable 60mm²

Steel bar Dia. 5mm

Wire rope Dia. 6mm

Tool weight: 0.7kg

Tool length: 360mm



Model No.: LK-125

Max. blade opening Dia. 17.7mm

Cutting range:

Copper and aluminum

cable 125mm² (250MCM)

Tool weight: 0.7kg

Tool length: 300mm



Model No.: LK-22B

Max. blade opening Dia. 9.2mm

Cutting range:

Copper and aluminum cable 22mm²

AWG #4

Tool weight: 0.2kg

Tool length: 160mm



Model No.: LK-250

Max. blade opening Dia. 23.6mm

Cutting range:

Copper and aluminum

cable 250mm² (500MCM)

Tool weight: 1.2kg

Tool length: 530mm



Model No.: LK-500

Max. blade opening Dia. 33mm

Cutting range:

Copper and aluminum cable 500mm² (1000MCM)

Tool weight: 3kg/ Tool length: 770mm



Manual cable cutters with light design aluminum alloy handles

Model No.: LK-95

Max. blade opening Dia. 18mm

Cutting range:

Copper and aluminum cable 95mm² (AWG 3/0)

Tool weight: 0.73kg

Tool length: 310mm



Model No.: LK-150

Max. blade opening Dia. 21.6mm

Cutting range:

Copper and aluminum cable 150mm² (300MCM)

Tool weight: 1.22kgs

Tool length: 460mm

Model No.: LK-325

Max. blade opening Dia. 29.9mm

Cutting range:

Copper and aluminum cable 325mm² (600MCM)

Tool weight: 2.1kgs

Tool length: 600mm



Model No.: LK-550

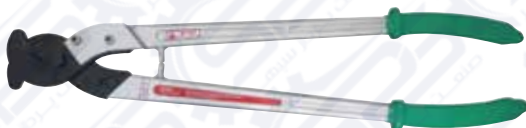
Max. blade opening Dia. 36.9mm

Cutting range:

Copper and aluminum cable 500mm² (1000MCM)

Tool weight: 3.14kgs

Tool length: 800mm



Model No.: MK-250

Max. blade opening Dia. 27mm

Cutting range:

Copper and aluminum cable 250mm² (500MCM)

Tool weight: 1.6kgs

Tool length: 600mm



Model No.: LK-220

Max. blade opening Dia. 27mm

Cutting range:

Copper and aluminum cable 200mm² (400MCM)

Tool weight: 0.98kgs

Tool length: 500mm



Model No.: LK-400

Max. blade opening Dia. 33.3mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 1.6kgs

Tool length: 700mm



Model No.: AC-110

Max. blade opening Dia. 15.7mm

Cutting range:

Copper and aluminum cable 60mm²

Steel bar Dia. 5mm

Wire rope Dia. 7mm

Tool weight: 0.73kg

Tool length: 310mm



Model No.: AC-190

Max. blade opening Dia. 18mm

Cutting range:

Copper and aluminum cable 100mm²

Steel bar Dia. 7mm

Wire rope Dia. 10mm

Tool weight: 1.1kg

Tool length: 445mm



Model No.: AC-200

Max. blade opening Dia. 21.6mm

Cutting range:

Copper and aluminum cable 150mm²

Steel bar Dia. 9mm

Wire rope Dia. 14mm

Tool weight: 2.1kg

Tool length: 600mm



Model No.: AC-210

Cutting range:

Spring wire Dia. 4.5mm

Steel bar Dia. 9mm

ACSR Dia. 15mm

Tool weight: 2.1kg

Tool length: 600mm



Manual cable cutters: Ratchet type & bearing type

Model No.: LK-325A

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 240mm² (600MCM)

Tool weight: 0.7kg

Tool length: 250mm



Model No.: LK-520A

Max. blade opening Dia. 52mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 0.9kg

Tool length: 270mm



Model No.: LK-327B

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 240mm² (600MCM)

Tool weight: 0.7kg

Tool length: 250mm



Model No.: LK-300B

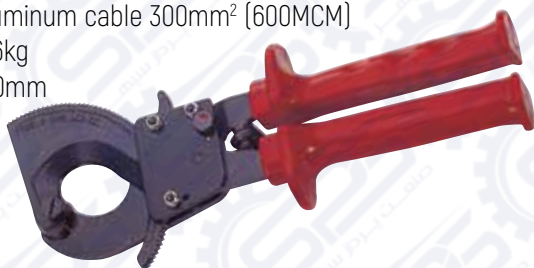
Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 300mm² (600MCM)

Tool weight: 0.6kg

Tool length: 240mm



Model No.: LK-530B

Max. blade opening Dia. 52mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 0.9kg

Tool length: 280mm



Model No.: LK-1000A

Max. blade opening Dia. 65mm

Cutting range:

Copper and aluminum cable 1000mm² (2000MCM)

Tool weight: 3.5kg

Tool length: 550mm



Model No.: LK-320A (Bearing type)

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 325mm² (600MCM)

Tool weight: 0.94kg

Tool length: 220mm



Model No.: LK-450A (Bearing type)

Max. blade opening Dia. 42mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 0.96kg

Tool length: 240mm



Manual cable cutters: Ratchet type with red anti-slip handles

Model No.: LK-325Y

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum cable 240mm² (600MCM)

Tool weight: 0.95kg

Tool length: 294mm



Model No.: LK-760L

Max. blade opening Dia. 55mm

Cutting range:

Copper and aluminum cable 500mm² (1000MCM)

Tool weight: 0.9kg

Tool length: 430mm



Model No.: LK-760A

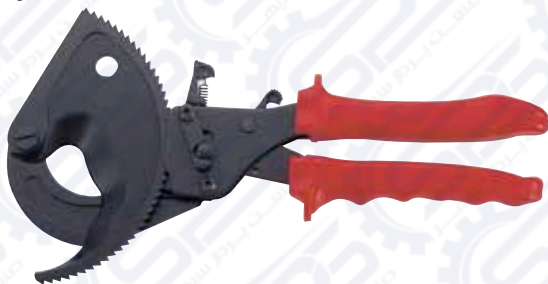
Max. blade opening Dia. 55mm

Cutting range:

Copper and aluminum cable 400mm² (750MCM)

Tool weight: 0.9kg

Tool length: 290mm



Model No.: LK-1050L

Max. blade opening Dia. 95mm

Cutting range:

Copper and aluminum cable 1000mm² (2000MCM)

Tool weight: 3.8kg

Tool length: 680mm



Model No.: SC-16A

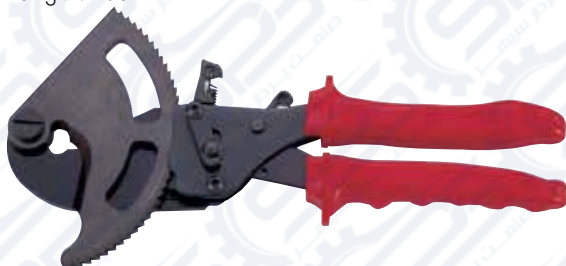
Max. blade opening Dia. 16mm

Cutting range:

Steel wire rope Dia. 16mm

Tool weight: 1kg

Tool length: 290mm



Model No.: SC-16L

Max. blade opening Dia. 16mm

Cutting range:

Steel wire rope Dia. 16mm

Tool weight: 1.3kg

Tool length: 430mm



Model No.: SC-32A

Max. blade opening Dia. 32mm

Cutting range:

Copper and aluminum rod Dia. 25mm

Soft steel bar below SS41 Dia. 10mm

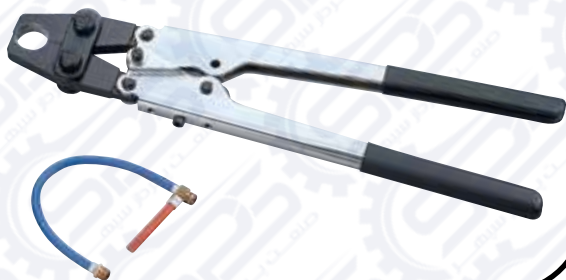
ACSR Dia. 30mm

Tool weight: 1.6kg

Tool length: 420mm



CW-13 PEX pipe Ø 1/2"
CW-15 PEX pipe Ø 5/8"
CW-19 PEX pipe Ø 3/4"
CW-25 PEX pipe Ø 1"
 Manual crimper for PEX pipe ring pressing
 Tool length: 480mm
 Weight: 2.3kgs



CW-119 PEX pipe Ø 3/8" & Ø 3/4"
CW-113 PEX pipe Ø 3/8" & Ø 1/2"
CW-139 PEX pipe Ø 1/2" & Ø 3/4"
 Manual crimper for PEX pipe ring pressing
 Tool length: 480mm
 Weight: 2.3kgs



CWF-11 PEX pipe Ø 3/8"
CWF-13 PEX pipe Ø 1/2"
CWF-19 PEX pipe Ø 3/4"
 Manual crimper for PEX pipe ring pressing
 Tool length: 420mm
 Weight: 1.5kgs



CWA-11 PEX pipe Ø 3/8"
CWA-13 PEX pipe Ø 1/2"
CWA-19 PEX pipe Ø 3/4"
 Manual crimper for PEX pipe ring pressing
 With alloy-aluminum handle
 Tool length: 430mm
 Weight: 1.4kgs



CWH-J PEX pipe Ø 3/8" & 1/2" & 3/4" & 1"
 Manual crimper for PEX pipe ring pressing
 For medium quick clamp crimping
 Tool length: 480mm
 Weight: 2.3kgs



CR-1 PEX pipe Ø 1/2" - 1"
 Manual removal tool for PEX pipe ring
 Cutting blades can penetrate pipe rings.
 Tool length: 230mm
 Weight: 0.4kgs



Small cutters for wires, spring wires, soft steel wires and fabrics

Model No.: AC-7

Cutting range:
Wire rope Dia. 1/8"
Spring wire Dia. 1/16"
Tool weight: 0.2kg
Tool length: 165mm



Model No.: LK-22G

For coaxial cable
with steel center conductor
Cutting range:
RG58/ RG59/ RG6/ RG7/ RG11
Tool weight: 0.2kg
Tool length: 160mm



Model No.: LY-206

With carbon-steel blades
Cutting range:
Copper and aluminum
cable Dia. 3/8"
Tool weight: 0.12kg
Tool length: 167mm



Model No.: AC-8

Cutting range:
Wire rope Dia. 3/16"
Spring wire Dia. 1/16"
Tool weight: 0.3kg
Tool length: 180mm



Model No.: LK-206E

For coaxial cable
with steel center conductor
Cutting range:
RG58/ RG59/ RG6 16mm²
Tool weight: 0.15kg
Tool length: 160mm



Model No.: LY-206C

Cutting range:
Ribbon cable Max. 30mm width
Tool weight: 0.2kg
Tool length: 168mm



Model No.: LY-946

Blade material:
high carbon stainless steel HRC 58-60
Cutting range:
Soft cable 22mm²
Cutting length: 42mm
Tool weight: 0.19kg
Tool length: 138mm



Model No.: LY-936 (Light-duty type)

Blade material: stainless steel HRC 50-54
Cutting range:
Soft metal wire Dia. 2.5mm
Tool weight: 0.2kg
Tool length: 165mm



Model No.: KN-228

Blade material: stainless steel
Cutting range:
Fiberglass and aramid fabrics
Tool weight: 0.1kg
Tool length: 125mm



Model No.: LY-925

Blade material: stainless steel HRC 50-54
Cutting range:
Soft metal wire Dia. 2.5mm
Cutting length: 42mm
Tool weight: 0.2kg
Tool length: 190mm



Small cutters for aviation tin snip/ Wire twisting and pushing tools

Model No.: SC-10L (Left)

Cutting range:
Wire Dia. 1.2mm
Metal sheet Thickness 1.2mm
Tool weight: 0.47kg
Tool length: 250mm



Model No.: SC-10R (Right)

Cutting range:
Wire Dia. 1.2mm
Metal sheet Thickness 1.2mm
Tool weight: 0.47kg
Tool length: 250mm



Model No.: SC-10S (Straight)

Cutting range:
Wire Dia. 1.2mm
Metal sheet Thickness 1.2mm
Tool weight: 0.47kg
Tool length: 260mm



Model No.: SC-10H (Labor-saved)

With chrome molybdenum steel blades HRC 60-62
Cutting range:
Wire Dia. 1.2mm
Metal sheet Thickness 1.2mm
Tool weight: 0.54kg
Tool length: 265mm

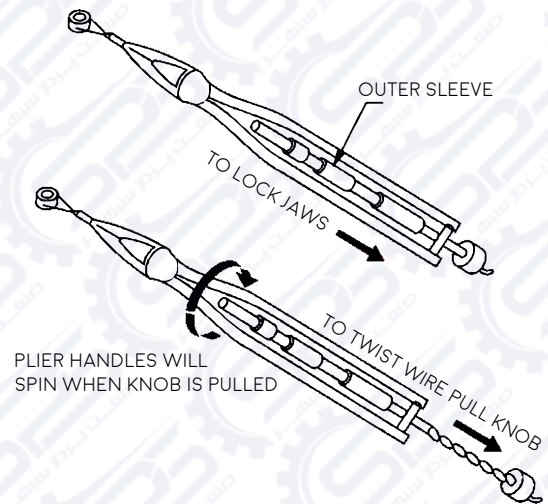


Model No.: WT-806 / WT-809

Application: Safety wire twisting
Tool length: 210mm / 260mm

Model No.: WT-806R / WT-809R (Reversible)

Application: Safety wire twisting
Tool length: 230mm / 280mm



Heavy-duty steel strap and bolt cutters

Model No.: BC-18 (18" 450mm)

With chrome vanadium steel blades
Adjustable bolt screw and anti-slip TPR handles
For bolt cutting
Cutting range:
Steel HRC15: Dia. 8mm [5/16"]
Steel HRC35: Dia. 6mm [7/32"]

BC-12 (12" 300mm)

Steel HRC15: Dia. 5mm [3/16"]
Steel HRC35: Dia. 4mm [5/32"]

BC-14 (14" 350mm)

Steel HRC15: Dia. 7mm [9/32"]
Steel HRC35: Dia. 5mm [3/16"]

BC-24 (24" 600mm)

Steel HRC15: Dia. 10mm [3/8"]
Steel HRC35: Dia. 8mm [5/16"]

BC-30 (30" 750mm)

Steel HRC15: Dia. 13mm [1/2"]
Steel HRC35: Dia. 10mm [3/8"]

BC-36 (36" 900mm)

Steel HRC15: Dia. 16mm [5/8"]
Steel HRC35: Dia. 11mm [7/16"]

BC-42 (42" 1050mm)

Steel HRC15: Dia. 18mm [7/10"]
Steel HRC35: Dia. 13mm [1/2"]



Model No.: SC-12

Cutting range:
Steel strap/band Dia. 20x1mm
Blade material: SAE-6140
Tool length: 300mm



Model No.: SC-18

Cutting range:
Steel strap/band Dia. 32x1.2mm
Blade material: SAE-6140
Tool length: 420mm



Model No.: SC-24

Cutting range:
Steel strap/band Dia. 50x1.2mm
Blade material: SAE-6140
Tool length: 600mm



Model No.: BC-8

Blade material:
Chrome-molybdenum alloy steel[CR-M]
With non-slip blade design
and PVC handles
Cutting range:
Wire rope: Dia. 3.6mm
Steel wire: Dia. 4mm
Tool length: 200mm



Model No.: BC-9

Blade material:
Chrome-vanadium steel[CR-V]
With non-slip blade design
Cutting range:
Wire rope: Dia. 3.6mm
Steel wire: Dia. 4mm
Tool length: 225mm

Model No.: MB-8

(40° offset-blades)

With steel handles
For bolt cutting
Cutting range:
Steel HRC15: Dia. 3mm [1/8"]
Steel HRC35: Dia. 2mm [1/16"]
Tool weight: 0.28kg
Tool length: 210mm



Model No.: MB-8C

(40° offset-blades)

With steel handles
For bolt cutting
Cutting range:
Steel HRC15: Dia. 4mm [5/32"]
Steel HRC35: Dia. 1.5mm [3/64"]
Tool weight: 0.28kg
Tool length: 210mm



Model No.: MB-8A

With aluminum handles
For bolt cutting
Cutting range:
Steel HRC15: Dia. 3mm [1/8"]
Steel HRC35: Dia. 2mm [1/16"]
Tool weight: 0.16kg
Tool length: 210mm

Model No.: MB-8B

(45° offset-blades)

With aluminum handles
For bolt cutting
Cutting range:
Steel HRC15: Dia. 3mm [1/8"]
Steel HRC35: Dia. 2mm [1/16"]
Tool weight: 0.16kg
Tool length: 210mm



Modular-crimper for NET lugs (network and computer cable crimping)

Model No.: LY-28E

Crimping range:
Open-Pass &
Non-Open-Pass
Unshielded
8P8C/RJ45
Tool weight: 0.39kg
Tool length: 207mm



Model No.: LY-286

Crimping range:
Unshielded
8P8C/RJ45
6P6C/RJ12
6P4C/RJ11
Strip length: 6/12mm
Tool weight: 0.37kg
Tool length: 205mm



Model No.: LY-568S

For RJ11 & RJ12 & RJ45 crimping
8P cable stripping



Model No.: LY-210

Crimping range:
8P8C (RJ45)
Tool weight: 0.25kg
Tool length: 180mm



Model No.: LY-2096

Crimping range:
6P6C (RJ12)
6P4C (RJ11)
Tool weight: 0.25kg
Tool length: 180mm



Model No.: LY-2180

(With safety guard)
Crimping range: 8P8C (RJ45)
Tool weight: 0.25kg
Tool length: 183mm



Model No.: LY-568

Crimping range:
8P8C (RJ45)
6P6C (RJ12)
6P4C (RJ11)
6P2C
Tool weight: 0.38kg
Tool length: 185mm



Model No.: LY-5684R (With ratchet)

Crimping range:
8P8C (RJ45)
6P6C (RJ12)
6P4C (RJ11)
4P4C and 4P2C
Tool weight: 0.38kg
Tool length: 191mm



Model No.: LY-5684

Crimping range:
8P8C (RJ45)
6P6C (RJ12)
6P4C (RJ11)
4P4C and 4P2C
Tool weight: 0.3kg
Tool length: 165mm



Model No.: LY-5684P

Crimping range:
8P8C (RJ45)
6P6C (RJ12)
6P4C (RJ11)
4P4C and 4P2C
Tool weight: 0.38kg
Tool length: 191mm



Model No.: LY-468A

Crimping range:
8P8C (RJ45)
6P6C (RJ12)
6P4C (RJ11)
4P4C and 4P2C
Tool weight: 0.4kg
Tool length: 202mm



Modular-crimper for NET lugs (network and computer cable crimping)

Model No.: LY-200R (With ratchet)

Crimping range:

10P10C

10P8C (AMP)

6P6C (RJ12)

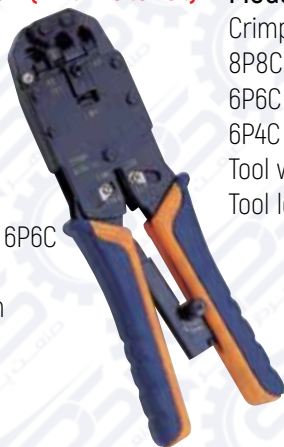
6P4C (RJ11)

4P4C and 4P2C

DEC/OFF SET PLUG 6P6C

Tool weight: 0.54kg

Tool length: 203mm



Model No.: LY-500 (With ratchet)

Crimping range:

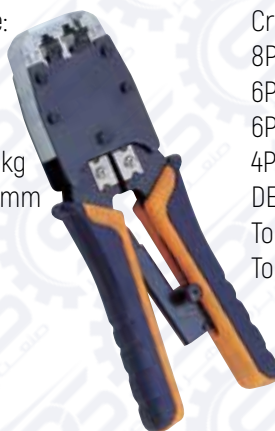
8P8C (RJ45)

6P6C (RJ12)

6P4C (RJ11)

Tool weight: 0.5kg

Tool length: 192mm



Model No.: LY-2008R (With ratchet)

Crimping range:

8P8C (RJ45)

6P6C (RJ12)

6P4C (RJ11)

4P4C and 4P2C

DEC/OFF SET PLUG 6P6C

Tool weight: 0.54kg

Tool length: 203mm



Modular-crimper for NET lugs NEW LUGS, WIRE PASS SERIES

Model No.: LY-580ER-3A

(Wire-pass lugs)

Full working kit in blister

LY-580ER crimper*1pc

LY-350 stripper*1pc

8P8C (RJ45) lug*25pcs



Model No.: LY-580ER (RJ45 Wire-pass lugs)

Middle carton steel body

TPR(Black)+PP(Red) handles

Crimping range:

8P8C (RJ45)

Tool weight: 0.4kg

Tool length: 193mm



Model No.: LY-5684ER (Wire pass lugs)

Crimping range:

8P8C (RJ45)

6P6C (RJ12)

6P4C (RJ11)

4P4C and 4P2C

Tool weight: 0.33kg

Tool length: 191mm (7.5")



Model No.: LY-280ER (Wire pass lugs)

For RJ45 crimping

8P cable stripping and cut



Model No.: LY-180A (RJ45)

Model No.: LY-180E (RJ45 Wire-pass lugs)

3-IN-1 Network tools with safety handle lock

Handle material: PP(Red)+TPR(Black)

Crimping range:

8P8C (RJ45)+CAT5e/6 solid or stranded cables

Cutter and stripper for round cable

Tool weight: 0.25kg

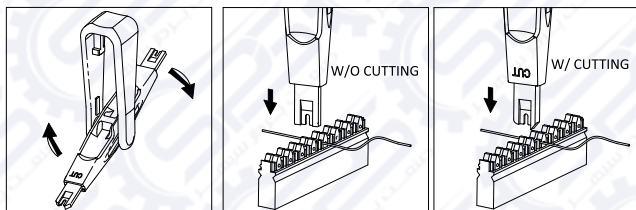
Tool length: 143mm



LY-180E: WIRE PASS AND CUT AFTER CRIMPING



Impact and punch-down tools for terminal block



Model No.: LY-314KR

Range: KRONE

Tool length: 118mm



Model No.: LY-304A (With cuts) / LY-304B

Range:

LY-304A: 66/110/88

LY-304B: KRONE/110/88

Tool length: 127mm



Model No.: LY-344KR

Range: KRONE & 110

Tool length: 118mm



Model No.: LY-3134B

Range: 110/88

Tool length: 168mm



Model No.: LY-364B

Range: 110/88

Tool length: 168mm



Model No.: LY-354B (Non-impact type)

Range:

110/88

Tool length: 108mm



Model No.: LY-315DR

Application: LAN & Telecom

Range:

Set 4-5 pairs UTP(AWG24) at once

For type 110[Spair]

Tool length: 227mm



Blade type list

Blade material: hardened SNCM-21

Interchangeable, reversible and twistable blade design.

	Blade No.:	Block No.:
	14T	66
	14TA	66/110/88
	14TB	110/88
	14TBK	KRONE
	14TK	KRONE with scissor
	14TW	BIX
	14TQ	QUANTE
	14TPY	POUYET
	14SID	SID

Block types and models

Block Type:	Model No.
66	LY-364/LY-354/LY-3134
66/110/88	LY-364A/LY-354A/LY-3434A
110/88	LY-364B/LY-354B/LY-3134B/LY-316B
KRONE	LY-364BK/LY-354BK/LY-3134BK
KRONE with scissor	LY-364K/LY-3434K
BIX	LY-364W/LY-3134W
QUANTE	LY-364Q
POUYET	LY-364PY/LY-3134PY
SID	LY-364SID/LY-3134SID

Model No.: LY568-3A / LY568-3B

Multi-function tool kit

LY568-3A content:

LY-5684 crimper

LY-314KR PD tool

LY-501 Stripper

LY568-3B content:

LY-5684 crimper

LY-3134B PD tool

LY-501 Stripper



Coaxial crimping tools

Model No.: LY-106E

Crimping range:  ACROSS FLATS

AF size (mm): 5.4/ 8.2/ 11.4

Tool weight: 0.7kg

Tool length: 230mm



Application ranges and models

Model No.	AF size(mm)	Application
LY-106C	6.48/ 8.2	RG59/62/6
LY-106D	6.48/ 5.4/ 1.725	RG58/59/62
LY-106F	2.54/ 8.2/ 12.1	RG6/11/213
LY-106G	2.54/ 8.2/ 11.4	RG6/11/213/BELDEN 8281
LY-106H	8.2/9.12	F59/62/6
LY-106L	2.54/9.12/10.3	F59/6/11/UHF58/8
LY-106M	2.54/9.12/12.06	F59/6/11
LY-106N	3.38/3.84/3.1/4.78	ST/SC FIBER OPTIC
LY-106P	2.41/9.8/11.5	
LY-106Q	8.23/11.94	F59/6/11/213
LY-106R	9.19/12.19	F59/6/11
LY-106S	2.6/10.3	UHF8
LY-106X	1.93/8.6	TWINAX CONN
LY-106X1	6.48/1.72/9.14	F59/6

Model No.: LY-303

For insulated terminals and lugs

Crimping range:

0.5-1mm² AWG 22-18

1.5-2.5mm² AWG 16-14

4-6mm² AWG 12-10

Tool weight: 0.4kg

Tool length: 230mm



Model No.: LY-303N

For insulated terminals and lugs

Crimping range:

0.5-1mm² AWG 22-18

1.5-2.5mm² AWG 16-14

4-6mm² AWG 12-10

Tool weight: 0.4kg

Tool length: 230mm



Model No.: LY-233

Multi-purpose 3-in-1 tool

Application and range:

RG59 oval and hexagon type crimping

RG6 hexagon and F type crimping

Copper-clad steel cable cutting

1/4" outer-jacket stripping

1/4" and 5/16" center-core stripping (2 steps)

Tool length: 207mm



Model No.: LY-214 / LY-214D

IDC crimping fixture and attachment

Crimping range:

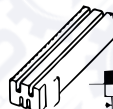
LY-214: IDC-connector onto ribbon cable
height 6-27.5mm/Max. width 55mm

LY-214D: Dip-plug, special attachment with
dual slots, distance[D]=0.1/0.3/0.6mm /
Max. width 58mm

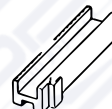


LY-214D

LY-214



D



I-D-I

Model No.: LY-217

For telecom splices crimping

Crimping range:

AWG 19-26 (UR)

AWG 22-26 (UY)

AWG 19-26 (UG)



Compression crimpers

Model No.: LY-5AK-02

Tool kit content:
LY-516B (F/BNC/RCA) crimper
LY-362 (RG59/RG6/RG11/RG7)*2blades stripper
RG6-F connector*6pcs



Model No.: LY-5AK-03

Tool kit content:
LY-516B (F/BNC/RCA) crimper
LY-323C (RG59/RG6) stripper
RG6-F connector*10pcs



Model No.: LY-516B

For F/BNC/RCA crimping
After-compression length 21-46mm
Tool weight: 0.28kg
Tool length: 140mm



Model No.: LY-508C

For 5C(RG6) F-connector conic crimping
Tool weight: 0.55kg
Tool length: 230mm



Model No.: LY-510B (Length adjustment)

For F/BNC/RCA (right angled+ keystone) crimping
RG59/RG6 cable with adjustable length
Tool weight: 0.5kg
Tool length: 195mm



Connector Type	F	BNC	RCA	IEC		MINI F
Connector Drawing						
Compressed Distance	 20.3±0.2 mm	 33.9±0.2 mm	 31.6±0.2 mm	 34.9±0.2 mm	 34.9±0.2 mm	 16.0±0.2 mm

Model No.: LY-548A1

For F-connector crimping
4C(RG59) & 5C(RG6): 15.5-21.3mm crimping length
RG11 & RG7: 30.5-36mm crimping length
Tool weight: 0.3kg
Tool length: 174mm



Model No.: LY-518G

Crimping range:

F-connector:

Before: 24-33.5mm

After: 15.9-25.5mm

BNC-connector

Before: 36.1-45.7mm

After: 28-37.4mm

RCA-connector

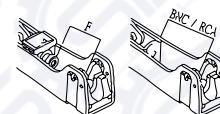
Before: 36.1-45.7mm

After: 28-37.4mm

Tolerance: ± 0.2mm

Tool weight: 0.28kg

Tool length: 155mm



Cable strippers solution for insulated layer stripping

Model No.: EPG-11

For AWG THHN(Nylon) & XHHW(anti-fire XLPE)

Stripping range:

Dia. 12.1-29.5mm (AWG1/0-700MCM)

Stripping depth: 1.35-2.45mm

Tool weight: 0.2kg(excludes dies and drill)

Accessory: B3-B22 [20sets dies]

Dimension: 178.4*34*45.5mm

Drill with inbuilt Li-Ion battery



Model No.: EPG-11S

Kit content:

Stripper*1pc

Small dies*11pcs

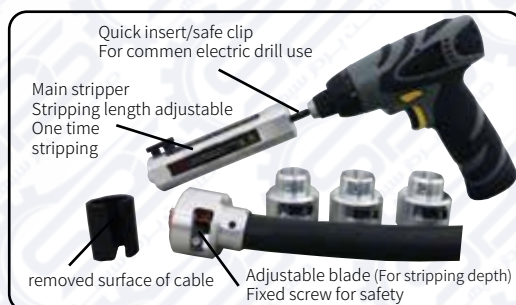


Model No.: EPG-11B

Kit content:

Stripper*1pc

Big dies*9pcs



FOR Pacific Electric Wire and Cable Co., Ltd. (PEWC)

600V XLPE		600V PVC	
DIES	SQMM	DIES	SQMM
TXL3	80	TP3	80
TXL4	100	TP4	100
TXL7	125	TP6	125
TXL9	150	TP8	150
TXL11	200	TP11	200
TXL14	250	TP13	250
TXL19	325	TP17	325
TXL21	400	TP20	400

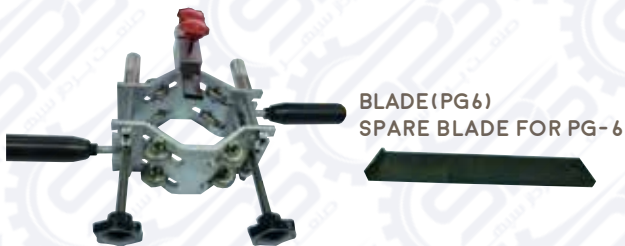
EPG-11 STRIPPER / WIRE GAUGE LIST

Round Cutter Dies	Cable			THHN / Nylon coated cable				XHHW / Anti-fire XLPE insulated cable			
	O.D.		Stripping Thickness mm	Copper		Aluminum		Copper		Aluminum	
	Max	Min		AWG	mm ²	AWG	mm ²	AWG	mm ²	AWG	mm ²
B3	φ 13.3	φ 12.1	1.45	1/0-2/0	50~70	2/0	70	1/0-2/0	40~70	2/0	70
B4	φ 14.4	φ 13.2	1.35	2/0	70	3/0	80	2/0	70	3/0	80
B5	φ 14.9	φ 13.7	1.35	3/0	80	X	X	3/0	80	X	X
B6	φ 15.6	φ 14.4	1.4	3/0	80	4/0	100	3/0	80	4/0	100
B7	φ 16.5	φ 15.3	1.45	4/0	100	X	X	4/0	100	X	X
B8	φ 17.3	φ 16.1	1.55	4/0-250	100~125	250	125	4/0~250	100~125	250	125
B9	φ 18.1	φ 16.9	1.65	250	125	300	150	250	125	300	150
B10	φ 18.9	φ 17.7	1.55	250-300	125~150	300	150	250~300	125~150	300	150
B11	φ 19.7	φ 18.5	1.65	300	150	350	180	300	150	350	180
B12	φ 20.5	φ 19.3	1.65	350	180	400	200	350	180	400	200
B13	φ 21.3	φ 20.1	1.65	350-400	180~200	400	200	350~400	180~200	400	200
B14	φ 22.1	φ 20.9	1.65	350-400	180~200	X	X	350~400	180~200	X	X
B15	φ 22.9	φ 21.7	1.55	X	X	500	250	X	X	500	250
B16	φ 23.7	φ 22.5	1.65	500	250	X	X	500	250	X	X
B17	φ 24.5	φ 23.3	1.65	500	250	600	300	500	250	600	300
B18	φ 25.3	φ 24.1	2.05	500-600	250~300	600	300	500~600	250~300	600	300
B19	φ 26.1	φ 24.9	1.85	600	300	X	X	600	300	X	X
B20	φ 26.9	φ 25.7	1.85	600	300	700	350	600	300	700	350
B21	φ 27.7	φ 26.5	1.95	600-700	300~350	750	380	600~700	300~350	750	380
B22	φ 29.5	φ 25.3	2.45	700	350	X	X	700	350	X	X

Cable strippers solution for insulated layer stripping

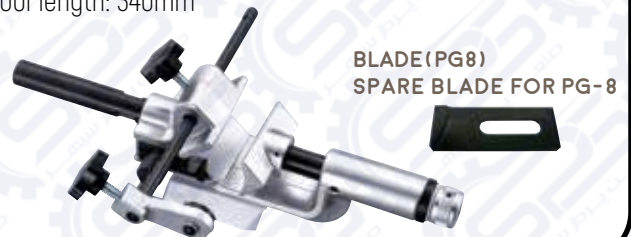
Model No.: PG-6

Stripping range:
Dia. 80-128mm
Stripping depth: Max. 35mm
Tool weight: 3.6kgs
Dimension: 450*120*240mm



Model No.: PG-8

For sharpening insulated cover of cable
Stripping range:
Dia. 12.7-57.15mm
Stripping depth: Max. 7.5mm
Tool weight: 1.5kgs
Tool length: 340mm



Model No.: PG-9

Stripping range:
Dia. 23/19mm (AWG #1)
25kV and 15kV
Stripping length: 25-70mm
Tool weight: 0.53kg



Model No.: PG-10

Stripping range:
Dia. 35/32mm (500MCM)
25kV and 15kV
Stripping length: 30-120mm
Tool weight: 0.98kg



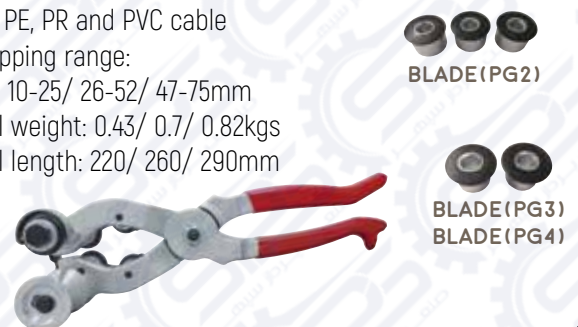
Model No.: PG-5

Stripping range:
Min. Dia. 25mm
Stripping depth: Max. 5mm
Tool weight: 0.2kgs
Tool length: 150mm



Model No.: PG-2 / PG-3 / PG-4

For PE, PR and PVC cable
Stripping range:
Dia. 10-25/ 26-52/ 47-75mm
Tool weight: 0.43/ 0.7/ 0.82kgs
Tool length: 220/ 260/ 290mm



MINI MANUAL CABLE STRIPPER SERIES WITH YELLOW ERGONOMICS ANTI-SLIP HANDLES DESIGN



Model No.:

LY27-5
LY27-6
Stripping range:
Dia. 8-28mm
LY27-5: Straight blade
LY27-6: Hook blade

Model No.:
LY27-1 / LY27-3 / LY27-4
Stripping range:
Dia. 4-28/ 28-35/ 35-50mm

Model No.: LY27-7 / LY27-8

Stripping range:
Dia. 6-25/ 25-36mm



Model No.: LY25-9

Stripping range:
Dia. 4.5-25mm



Small manual cable strippers

Model No.: LY-700A 6-1/2"

Stripping range:
Dia. 0.5/ 1.2/ 1.6/ 2mm



Model No.: LY-700B

Stripping range:
Dia. 1/ 1.6/ 2/ 2.6/ 3.2mm



Model No.: LY-700E

Stripping range:
AWG 22/ 16/ 14/ 12/ 10/ 8



Model No.: LY-700C1

Stripping range:
For cable 1.25/ 2/ 3.5/ 5.5/ 8mm²



Model No.: LY-732

For thick skin cable

Stripping range:
For cable 0.13-6mm²
Tool length: 205mm



Model No.: LY-735B

Stripping range:
For cable 0.13-6mm²
Tool length: 205mm



Model No.: LY-731A

Stripping range:
For cable 0.13-6mm²
Tool length: 205mm



Model No.: LY-731B

Stripping range:
For cable 0.13-6mm²
Tool length: 205mm



Model No.: LY-700F

Stripping range:
For cable 0.2-6mm²
Tool length: 170mm



Model No.: WS-16

Stripping range:
For cable 0.75-16mm²
Tool length: 180mm



Model No.: LY-737

Stripping range:
For cable 0.2-6mm²
AWG 10-24
Cutting range:
Max. 2mm² (AWG14)



Model No.: LY-738

Stripping range:
For cable 0.2-6mm²
AWG 10-24
Cutting range:
Max. 4mm²



Model No.: WS-353

Stripping range:
Dia. 0.8-2.6mm AWG 20-10
Tool length: 115mm(4.5")



Model No.: WS-353A

Stripping range:
Dia. 0.2-0.8mm AWG 30-20
Tool length: 115mm(4.5")



Model No.: LY-662

Stripping range:
RG59 & RG6
stripping
Dia. 0.5-6mm
(AWG 20-10)
Tool length: 122mm



Small manual cable strippers

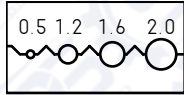
Model No.: LY-700A2

Middle-carbon steel body

Stripping range:

Dia. 0.5/ 1.2/ 1.6/ 2mm

Tool length: 190mm



Model No.: LY-700B2

Middle-carbon steel body

Stripping range:

Dia. 1/ 1.6/ 2/ 2.6/ 3.2mm

Tool length: 190mm



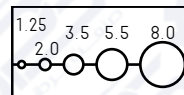
Model No.: LY-700C2

Middle-carbon steel body

Stripping range:

Cable 1.25/ 2/ 3.5/ 5.5/ 8mm²

Tool length: 190mm



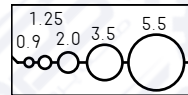
Model No.: LY-700J2

Middle-carbon steel body

Stripping range:

Cable 0.9/ 1.25/ 2/ 3.5/ 5.5mm²

Tool length: 190mm



Model No.: LY-151C

For fiber optic kevlar cutting

With serrated blades

With high carbon alloy steel blades

Tool weight: 0.15kg

Tool length: 147mm



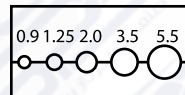
Model No.: LY-700J3 WITH CUTTER

Middle-carbon steel body

Stripping range:

Cable 0.9/ 1.25/ 2/ 3.5/ 5.5mm²

Tool length: 190mm



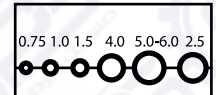
Model No.: LY-700G2

Middle-carbon steel body

Stripping range:

Cable 0.75/ 1/ 1.5/ 2.5/ 4/ 5-6mm²

Tool length: 190mm



Model No.: FT-3

Optical fiber plier(Spring action)

With jaw adjusting screw

For wires Dia. 0.2-2.6mm

Tool weight: 0.2kg



Model No.: FT-4 (3-in-1)

2mm outer jacket

900 micro buffer insulation

250 micro buffer acrylate coating

Tool length: 150mm



Model No.: FT-5 (3-in-1)

2mm outer jacket

900 micro buffer insulation

250 micro buffer

acrylate coating

Tool length: 162mm

Middle-carbon steel body



Model No.: FT-7 (5-in-1)

2.8-3mm outer jacket

2-3mm loose tube

2-2.4mm outer jacket

900 micro buffer insulation

250 micro buffer

acrylate coating

Tool weight: 0.15kg



Small manual cable strippers

Model No.: LY-323C

Coaxial cable stripper and cutter
Black velcro for folding back the braided shield
Slot A: Strip RG59/6 cable
Slot B: Cut/rotate cable
Tool length: 111mm(4.37")



Model No.: LY-352

Multi-function stripper and cutter
Outer jacket of UTP/STP cable
CAT-5 round RG59/6/11/7 coaxial cable
Flat telephone cable
Tool length: 125mm



Model No.: LY-350

Cable stripper and cutter
For stripping UTP/STP wires
Dia. 3.5-9mm
With blade depth adjusting knob
Inner-core protection design



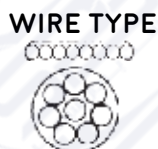
Model No.: LY-318 (Inserting blade)

Wire setter and stripper for UTP/STP telecom wires
Block setting type: 110/88
Stripping range: Dia. 5-6.2mm
Tool length: 95mm



Model No.: LY-501 4"

Universal stripper
Multi-conductor cable/wire Dia. 3.2-9mm
Tool length: 100mm



Model No.: LY-362 Series 3.7"

For RG cable stripping
LY-362: RG59/6/7/11
LY-362A: AWG18/24
LY-362B: RG59/6 (Two coaxial cables)
LY-362G: RG59/6/7/11 (plus stopper)
Tool length: 9.39mm

2 BLADES
STRIPPING D (MM)
D = 11/4 INCHES



Braid folding down

Model No.: LY-332

For RG cable stripping
Stripping D: 4/6/8/12mm
RG58/59/62/6/6QS/3C/4C/5C



Model No.: LY-323

For RG cable stripping
Stripping D: 6.35mm
RG59/62/6/11/7/213/8



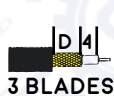
Model No.: LY-322S

For RG cable stripping
Stripping cable O.D. 10.5mm
RG213/11/8



Model No.: LY-312B

For RG cable stripping
RG58/59/62/3C/4C



Model No.: LY-322

For RG cable stripping
RG58/59/62/6



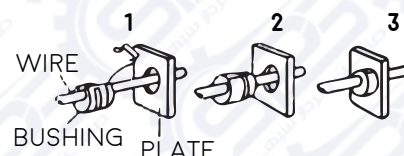
Model No.: LY-312S

For RG cable stripping
RG213/11/8 O.D. 10.5mm



Model No.: LY-205 6.8"

Pushing cord Dia. 3/8"-3/4"
Tool weight: 0.2kg
Tool length: 155mm



Multi-function electricians tools

LY-104 Series

7 functions in 1 tool with grinding blades
Wire stripping, wire cutting, steel wire cutting, plier wire loop, scale(mm/inch) and crimping



LY-1041	LY-1042	LY-1043
AWG / mm ²	AWG / mm ²	AWG / mm ²
18 / 0.9	26-24 / 0.2	30 / 0.25
16 / 1.25	22 / 0.35	28 / 0.32
14 / 2.0	20 / 0.5	26 / 0.4
12 / 3.5	18 / 0.9	24 / 0.6
10 / 5.5	16 / 1.25	22 / 0.65

KH-701A

8.2 inches

Crimping, wire stripping and bolt cutting



KH-702A

8.2 inches

Crimping, wire stripping, wire cutting and bolt cutting



Model No.	Size Type	Application		
		Wire stripping	Bolt cutting	Crimping
KH-701	mm	2.6/2	M2.6 / M3	2.6-1.3
KH-702		1.6/1.3/1 0.8/0.6	M3.5 / M4 M4.5 / M5	1-0.6
KH-701A	inch	AWG	4-40/5-40/6-32	AWG
KH-702A		10/12/14 16/18/20/22	8-32/10-32 10-24	16-10 22-18

LY-502 Series s.s. means "standard single"

5 functions in 1 tool with grinding blades
Wire stripping, wire cutting, steel wire cutting, plier wire loop
Precise cutter and stripper made by CNC-grinding



Model No.		Stripping range and wire size							
LY-5021	AWG	S.S.	12	14	16	18	20	22	24
	mm		10	12	14	16	18	20	22
LY-5022	AWG	S.S.		16	18	20	22	24	26
	mm			14	16	18	20	22	24
LY-5023	AWG	S.S.		22	24	26	28	30	
	mm			20	22	24	26	28	30
LY-5024	AWG		8	6	4				
	mm		10	16	25				

Multi-function crimping tool

3 functions in 1 tool

Crimping, wire stripping and bolt cutting



KH-503 9" KH-504 8.5" KH-507 9.5" KH-502 8" KH-502B 8"

Model No.	Size Type	Application		
		Wire stripping	Bolt cutting	Crimping
KH-502A	inch	AWG	4-40	Insulated
KH-503A		10	6-32	AWG
KH-504A		12	8-32	22-18
KH-507A		14	10-24	16-14
		16	10-32	12-10
		18		
		20-22		
KH-502	mm	6	M2.6	Insulated
		4	M3	1.5/2.5/6
KH-503		2.5	M3.5	sqmm
KH-504		1.5	M4	Non-insulated
KH-507		1	M5	1.5/2.5/6
		0.75		sqmm (KH-502B)

Multi-function electricians tools

Model No.: KH-510 (3-in-1)

Wire stripping:
0.1-2mm² & AWG14-28

Bolt cutting: (ISO-screw)
M2.5/M3/M3.5/M4/M5

Crimping: (Non-insulated)
0.4/0.5/1.25mm²
0.3/0.5/1.25/2mm²

Crimping: (Insulated)
0.3-2mm²



Model No.: LY-279 (3-in-1)

Wire stripping & Cutting

Crimping: (Non-insulated)
0.3-0.5mm²
1.25-2mm²
1.25/2/5.5mm²
0.5-1.25mm²
Tool weight: 0.15kg



Model No.: LY-262B (3-in-1)

Wire stripping:
2.5/2.1/1.8/1.45/1.15/0.95/0.8mm²
AWG 12/14/16/18/20/22/24

Screw cutting: Max. 3mm thickness

Crimping: (Insulated)
0.3/0.5/1.25mm²
(Dia. 0.5/1.25/2mm)

Tool weight: 0.25kg



Model No.: KH-703 10"

With wire cutter

Wire stripping:
0.75-6mm²
AWG22-10

Bolt cutting: (ISO-screw)
M2.6/M3/M3.5/M4/M5

Crimping: (Non-insulated)
0.5/1.5/2.5/4-6mm²

Crimping: (Insulated)
0.5-1.5/1.5-2.5/2.5-6mm²



Model No.: LY-5221 7.48" (4-in-1)

Middle carbon steel body

Wire stripping: (Solid or Strd)
Solid AWG 18/16/14/12/10
Strd AWG 20/18/16/14/12

Wire looping: Dia. 3mm

Cutting:
Copper & aluminum
soft wire
Bolt 6-32/8-32mm
Steel wire Dia. 3mm

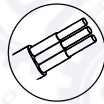
Crimping: (Insulated and
Non-insulated)
AWG 16-10

Tool weight: 0.2kg
Tool length: 193mm

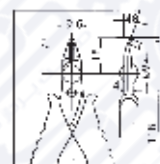




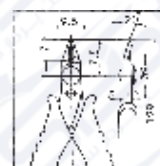
Model No.: LY-207BL
1.6/2.0mm VVF cable
 stripping
 Cutting
 Looping
 Bending
 Scale
Winding Ø4-6mm
 Tool length: 205mm



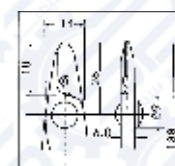
Model No.: LY-1091 5"
With cutter
 Wire stripping:
 AWG 20-24
 Tool length: 127mm



Model No.: ES-255 5"
Side-cutter plier 45°



Model No.: ES-257 5"
Side-cutter plier 21°
Safe clip-slim



Cable tie-guns and fasten tools for nylon and stainless cable ties

Model No.: LY-600A

For nylon cable tie
Width of cable tie:
2.4-4.8mm
Tool length: 160mm



Model No.: LY-600M

For nylon cable tie
4 levels pressure by tension dial
Automatic cut-off
Aluminum alloy body with silver lacquered cover
Width of cable tie: Max. 2.2-4.6mm
Thickness of cable tie: Max. 1.3mm
Tool length: 168mm



Model No.: LY-600T

For nylon cable tie
Width of cable tie:
Max. 2.2-4.8mm
Thickness of cable tie:
Max. 1.6mm
Tool length: 160mm



Model No.: LY-600C

For nylon cable tie
cutting and quick removing
Tool length: 130mm



Model No.: LY-519

For nylon cable tie
Width of cable tie: Max. 12mm
Thickness of cable tie: Max. 2.3mm
Tool length: 191mm



Model No.: LY-519C

For nylon cable tie
Width of cable tie: Max. 12mm
Thickness of cable tie: Max. 2.3mm
Tool length: 191mm



Model No.: LY-600L

For nylon cable tie
Automatic cut-off
Adjustable tension
Width of cable tie: Max. 13mm
Thickness of cable tie: Max. 2.3mm
Tool length: 210mm



Model No.: LY-600N

For stainless steel cable tie
4 levels pressure by tension dial
Automatic cut-off
Aluminum frame
Width of cable tie: Max. 7.9mm
Thickness of cable tie: Max. 0.3mm
Tool length: 180mm



Model No.: LY-600H

For stainless steel cable tie
Tensioner with cutter and hammer knob
For binding irregular & non-compressible
Width of cable tie: 3/8"-3/4" (9.5-19mm)
Thickness of cable tie: 0.03" (0.76mm)
Tool length: 210mm



Model No.: LY-600F

For BCT stainless steel cable tie
Width of cable tie: Max. 4.5-12mm
Tool length: 180mm



Manual iron-benders and round & square spring-benders



Model No.	Max. O.D. of tubing (inch)	Length (mm)
PB-13	3/8	555
PB-15	1/2	585
PB-18	3/4	610
PB-28	1	610
PB-35	1-1/4	640
PB-40	1-1/2	660
PB-48	2	610

Model No.: SPB-25

For PVC pipes bending

Type: Square spring

Max. tubing Outer Dia. 25mm

Flat wire: 3.5(W)*3.5(T)*25(Dia.)mm

Tool length: 610mm

Model No.: SPB-20

For PVC pipes bending

Type: Square spring

Max. tubing Outer Dia. 20mm

Flat wire: 2.2(W)*2.2(T)*20(Dia.)mm

Tool length: 570mm



Model No.: CPB-19

Max. tubing Outer Dia. 19mm

EMT(Electrical metallic tubing): 1/2"

Tool weight: 1kg



Model No.: CPB-25

Max. tubing Outer Dia. 25mm

EMT(Electrical metallic tubing): 3/4"

IMC(Intermediate metal rigid conduit): 1/2"

Tool weight: 2kgs



Model No.: CPB-25W

Max. tubing Outer Dia. 19/25mm

EMT(Electrical metallic tubing): 1/2" & 3/4"

IMC(Intermediate metal rigid conduit): 1/2"

Tool weight: 1.5kgs



Model No.: CPB-26

Max. tubing Outer Dia. 25mm

EMT(Electrical metallic tubing): 3/4"

IMC(Intermediate metal rigid conduit): 1/2"

Tool weight: 2.5kgs



Model No.: CPB-32

Max. tubing Outer Dia. 32mm

EMT(Electrical metallic tubing): 1"

IMC(Intermediate metal rigid conduit): 3/4"

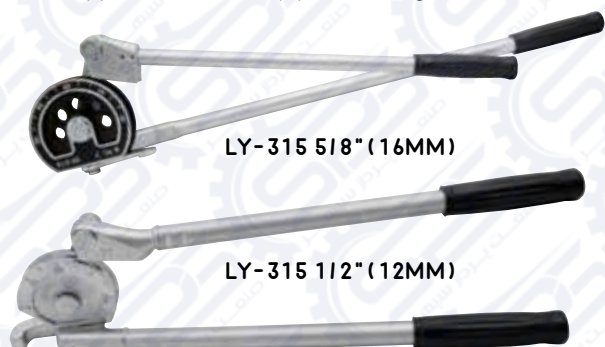
Tool weight: 4kgs



Tube benders and cutters

Model No.: LY-315 Series

For copper & aluminum pipes bending



LY-315 5/8" (16MM)

LY-315 1/2" (12MM)

Model No.	Max. O.D. of tubing(inch)	Model No.	Max. O.D. of tubing(mm)
LY-315 1/4"	1/4	LY-315 6mm	6
LY-315 5/16"	5/16	LY-315 8mm	8
LY-315 3/8"	3/8	LY-315 10mm	10
LY-315 1/2"	1/2	LY-315 12mm	12
LY-315 5/8"	5/8	LY-315 16mm	16
LY-315 3/4"	3/4	LY-315 19mm	19
LY-315 7/8"	7/8	LY-315 22mm	22

Model No.: CT-368 (3-IN-1)

For copper & aluminum pipes bending

Max. tubing Outer

Dia. 1/4"

Dia. 5/16"

Dia. 3/8"



Model No.: TC-201

For stainless cutting

Max. tubing Outer Dia. 3-42mm

Model No.: TC-106S

For stainless cutting

Max. tubing Outer Dia. 6-64mm

Model No.: TC-106P

For plastic cutting

Max. tubing Outer Dia. 6-64mm



Model No.: LY-312

Tubing and plumbing kit

Flaring, cutting and bending

For soft cooper, aluminum and brass

Max. tubing Outer

Dia. 3/16"

Dia. 1/4"

Dia. 5/16"

Dia. 7/16"

Dia. 3/8"

Dia. 1/2"

Dia. 5/8"

Dia. 3/4"

Dia. 1/8"



Model No.: LY-312M

Tubing and plumbing kit

Flaring, cutting and bending

For soft cooper, aluminum and brass

Max. tubing Outer

Dia. 4mm

Dia. 6mm

Dia. 8mm

Dia. 10mm

Dia. 12mm

Dia. 15mm

Dia. 16mm

Dia. 18mm

Dia. 22mm



Model No.: LY-311

Tubing and plumbing kit

Flaring, cutting and bending

For soft cooper, aluminum and brass

Max. tubing Outer

Dia. 3/16"

Dia. 1/4"

Dia. 5/16"

Dia. 7/16"

Dia. 3/8"

Dia. 1/2"



Model No.: LY-311M

Tubing and plumbing kit

Flaring, cutting and bending

For soft cooper, aluminum and brass

Max. tubing Outer

Dia. 4mm

Dia. 6mm

Dia. 8mm

Dia. 10mm

Dia. 12mm

Dia. 15mm

Dia. 16mm



Model No.: TC-107

For soft cooper, aluminum

and brass pipe cutting

Max. tubing Outer Dia. 5-45mm



Model No.: TC-105C

For soft cooper, aluminum

and brass pipe cutting

Max. tubing Outer Dia. 4-32mm



Model No.: LY-313-1

For soft cooper, aluminum

and brass pipe cutting

Max. tubing Outer

Dia. 1/8"-5/8"



Model No.: LY-313-2

For soft cooper, aluminum

and brass pipe cutting

Max. tubing Outer

Dia. 1/8" to 1-1/8"



PVC pipe and wire-duct cutters

Model No.: L-42W

Blade material: Molybdenum vanadium stainless steel
Handle material: Alloy aluminum ADC-12
For PVC pipe and wire duct cutting
Max. tubing Outer
Dia. 42mm



Model No.: L-42A

Blade material: Molybdenum vanadium stainless steel
Handle material: Alloy aluminum ADC-12
For PVC pipe cutting only
Max. tubing Outer
Dia. 42mm



Model No.: L-25

Blade material: Molybdenum vanadium stainless steel
Handle material: Alloy aluminum ADC-12
For PVC pipe cutting only
Max. tubing Outer
Dia. 34mm



Model No.: L-63

Blade material: SK5
Handle material: Alloy aluminum
For PVC pipe cutting only
Max. tubing Outer
Dia. 63mm



Model No.: PC-35

Blade material: SK5
Handle material: Alloy aluminum
For PVC pipe cutting only
Max. tubing Outer
Dia. 35mm



Model No.: PC-28 (5-IN-1)

5pcs Multi-angle anvils
For braided hose, water pipe,
anti-pressure pipe, wire duct,
plastic carpet and rubber pad
cutting use.



Model No.: PC-42

Blade material: SK5
Handle material: Alloy aluminum
For PVC pipe cutting only
Max. tubing Outer
Dia. 42mm



Model No.: PC-63A

Blade material: SK5
Handle material: Alloy aluminum
For PVC pipe cutting only
Max. tubing Outer
Dia. 63mm



Model No.: PC-42AW

Blade material: SK5
Handle material:
Alloy aluminum
For PVC pipe and
wire duct cutting
Max. tubing Outer
Dia. 42mm



Model No.: MF-6 9"(230mm)

Blade material: SK5
Anvil: Aluminum
For plastic wire duct/bar
wooden bar, plastic sheet,
PVC pipe, PU stick,
soft copper wire
Switch-angle design
90/0 and 60/120 and 45/135 and 75/105 degrees anvil



Model No.: MF-7 (242mm)

For copper cable
Max. 3x5.5mm²
wire duct/plants/
rubber pipes
With inbuilt blade
storage space



Model No.: MF-1

Multi-angle anvils
For wire duct, PVC pipe, soft tube,
soft pipe splint and green plant
Cutting range: 45°-120°
Tool weight: 0.35kg



Model No.: VF-32

For PVC pipe and soft tube cutting
Max. tubing Outer
Dia. 32mm



Model No.: VF-19

For PVC pipe and soft tube cutting
Max. tubing Outer
Dia. 19mm [3/4"]



Model No.: VF-42

For PVC pipe and soft tube cutting
Max. tubing Outer
Dia. 25mm



Model No.: ES-2039 9"

Erect joint plier for under wash basin
Bent curved jaws 45/70 degree
Holding lock width 5-40mm
Max. open 42mm



Model No.: ES-2310 10"

Water pump plier



Model No.: ES-1218C 10" / ES-1218E 12"

Water pump plier with screwdriver on button



Model No.: CP-128M3 8"

Combination plier
Material: CrV with TPR handles
Piano wire cutting Max. Dia. 2mm
Crimping range: 1.5-5.5mm
Stripping range: 0.75-2mm
Tool length: 200mm



Model No.: CP-129M3 9"

Combination plier
Material: CrV with TPR handles
Piano wire cutting Max. Dia. 2.5mm
Steel wire cutting Max. Dia. 4mm
Crimping range: 1.25-8mm
Stripping range: 0.5-1.25/2mm
Tool length: 225mm



Model No.: LN-116M3 6"

Long nose plier
Material: 63CR-M with TPR handles
Piano wire cutting Max. Dia. 1.6mm
Crimping range: 1.2-3mm
Stripping range: 0.5-1.25/0.5-1.5mm
Tool length: 150mm



Model No.: DP-106M3 6"

Diagonal cutter
Material: 63CR-M with TPR handles
Steel wire cutting Max. Dia. 1.4mm
Crimping range: 1.2-3mm
Stripping range: 0.5-1.25/0.5-1.5mm
Tool length: 150mm



Model No.: KN-20B

Small knife
Blade material: SK5
Tool length: 180mm



Model No.: KN-20C

Small knife
Blade material: Stainless 420J2
Tool length: 180mm



Small knife 1000VDE

Blade length: 50mm/Tool length: 200mm

Model No.: KN-070101



Model No.: KN-070104



Model No.: KN-070107



Model No.: KN-070102



Model No.: KN-070105



Model No.: KN-070108 30/180mm



Model No.: KN-070103



Model No.: KN-070106 30/180mm



Model No.: KN-070109 50/180mm



OPT 1000V ELECTRICIANS PLIERS AND SCREWDRIVERS

Model No.: LN-116V 6"

Long nose plier

Material: CrV with TPR handles

Finished: Stain



Model No.: LN-118V 8"

Long nose plier

Material: CrV with TPR handles

Finished: Stain



Model No.: HDP-157V 7"

Model No.: HDP-158V 8"

Diagonal cutter

Material: CrV with TPR handles

Finished: Stain



Model No.: WS-156V 6"

Wire stripper

Material: CrV with TPR handles

Finished: Stain



Model No.: DP-106V 6"

Diagonal cutter

Material: CrV with TPR handles

Finished: Stain



Model No.: BN-138V 6"

Bent nose plier

Material: CrV with TPR handles

Finished: Stain



Model No.: CP-127V 7"

Combination plier

Material: CrV with TPR handles

Finished: Stain

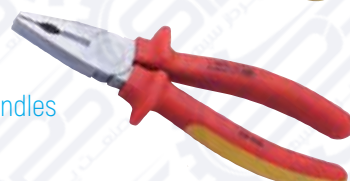


Model No.: CP-128V 8"

Combination plier

Material: CrV with TPR handles

Finished: Stain



Model No.: BN-136V 8"

Bent nose plier

Material: CrV with TPR handles

Finished: Stain



1000VDE pliers for electricians



Model No.: SW-867-LD7

Screwdriver kit (7pcs)

Screwdriver 0.5*3*80mm (-)

Screwdriver 1*5.5*125mm (-)

Screwdriver PH1*75mm (+)

Screwdriver PH2*100mm (+)

Diagonal plier 170mm

Long nose plier 170mm

Volt tester 145mm (120-250V)

Model No.: CP-128VM 8"

Combination plier

Material: CrM with TPR handles

Finished: Polished



Model No.: CP-127VM 7"

Combination plier

Material: CrM with TPR handles

Finished: Polished



Model No.: BN-136VM 8"

Bent nose plier

Material: CrM with TPR handles

Finished: Polished



Model No.: DP-106VM 6"

Diagonal cutter

Material: CrM with TPR handles

Finished: Polished



Model No.: LN-118VM 8"

Long nose plier

Material: CrM with TPR handles

Finished: Polished



Model No.: LN-116VM 6"

Long nose plier

Material: CrM with TPR handles

Finished: Polished



Model No.: AW-8V & AW-10V & AW-12V

Adjustable Spanner 8" & 10" & 12"

With insulated handles



OPT 1000V ELECTRICIANS PLIERS AND SCREWDRIVERS



1000VDE pliers for electricians



Model No.: SW-10213-0801

1000V insulated screwdriver

Slotted+Pozidriv type

① Slotted size: 5mm

⊕ Pozidriv size: 1mm

Handle width(D): 30mm

Tool length(L): 180mm

Length from bit to handle front(L1): 80mm

Handle length(L2): 100mm

Tool weight: 0.64kg



Model No.: SW-102300

1000V insulated screwdriver

Pozidriv type

⊕ Pozidriv size: PZ0

Tool length(L): 145mm

Length from bit to handle front(L1): 60mm

Handle length(L2): 85mm

Dia. 2.5mm

Tool weight: 0.25kg

Model No.: SW-102301

1000V insulated screwdriver

Pozidriv type

⊕ Pozidriv size: PZ0

Tool length(L): 185mm

Length from bit to handle front(L1): 80mm

Handle length(L2): 105mm

Dia. 3mm

Tool weight: 0.35kg

Model No.: SW-102302

1000V insulated screwdriver

Pozidriv type

⊕ Pozidriv size: PZ0

Tool length(L): 215mm

Length from bit to handle front(L1): 100mm

Handle length(L2): 115mm

Dia. 3.5mm

Tool weight: 0.6kg



Model No.: SW-10213-1002

1000V insulated screwdriver

Slotted+Pozidriv type

① Slotted size: 6mm

⊕ Pozidriv size: 2mm

Handle width(D): 35mm

Tool length(L): 210mm

Length from bit to handle front(L1): 100mm

Handle length(L2): 110mm

Tool weight: 0.94kg



Model No.: SW-867700/ SW-867701/ SW-867702/ SW-867703

1000V insulated screwdriver

Phillip type

⊕ Phillip size: PH0/ PH1/ PH2/ PH3

Handle width(D): 25/31/35/38mm

Tool length(L): 153/175/213/271mm

Length from bit to handle front(L1): 75/75/100/150mm

Handle length(L2): 78/100/113/121mm

Dia. 3/5/6/8mm

Tool weight: 0.3/0.63/0.97/1.8kg



Model No.: SW-867704/ SW-867705/ SW-867706/ SW-867707/ SW-867708

1000V insulated screwdriver

Slotted type

⊖ Slotted size: 0.5*3/ 0.8*4/ 1*5.5/ 1.2*6.5/ 1.2*8mm

Handle width(D): 25/31/31/35/38mm

Tool length(L): 158/200/225/263/271mm

Length from bit to handle front(L1): 80/100/125/150/150mm

Handle length(L2): 78/100/100/113/121mm

Dia. 3/4/5.5/6.5/8mm

Tool weight: 0.3/0.67/0.7/1.25/1.8kg



Model No.: SW-867-A7

Screwdriver kit (7pcs)

SW-867704 (-) 0.5*3*80

SW-867706 (-) 1*5.5*125

SW-867707 (-) 1.2*6.5*150

SW-867700 (+) PH0*75

SW-867701 (+) PH1*75

SW-867702 (+) PH2*100

Volt tester 145mm (120-250V)

OPT 1000V ELECTRICIANS PILIERS AND SCREWDRIVERS

Model No.: SW-4706

Screwdriver with TPR handles

Phillip type

- ⊕ Phillip size: PH2
- Tool length(L): 265mm
- Length from bit to handle front(L1): 150mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 1.03kg



Model No.: SW-4704

Screwdriver with TPR handles

Phillip type

- ⊕ Phillip size: PH2
- Tool length(L): 215mm
- Length from bit to handle front(L1): 100mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 0.92kg

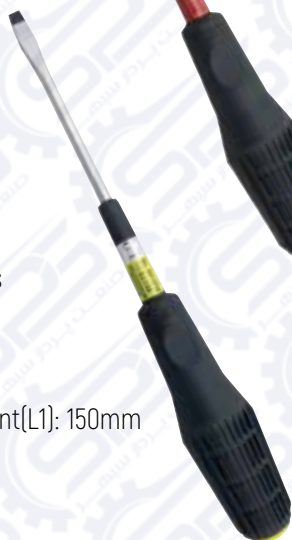


Model No.: SW-5706

Screwdriver with TPR handles

⊖ Slotted type

- Slotted size: 6mm
- Tool length(L): 265mm
- Length from bit to handle front(L1): 150mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 1.03kg



Model No.: SW-5704

Screwdriver with TPR handles

⊖ Slotted type

- Slotted size: 6mm
- Tool length(L): 215mm
- Length from bit to handle front(L1): 100mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 0.92kg



Model No.: SW-6206

Screwdriver with TPR handles

Phillip type

- ⊕ Phillip size: PH2
- Tool length(L): 265mm
- Length from bit to handle front(L1): 150mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 1.03kg

Model No.: SW-6204

Screwdriver with TPR handles

Phillip type

- ⊕ Phillip size: PH2
- Tool length(L): 215mm
- Length from bit to handle front(L1): 100mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 0.92kg



Model No.: SW-6106

Screwdriver with TPR handles

⊖ Slotted type

- Slotted size: 6mm
- Tool length(L): 265mm
- Length from bit to handle front(L1): 150mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 1.03kg

Model No.: SW-6104

Screwdriver with TPR handles

⊖ Slotted type

- Slotted size: 6mm
- Tool length(L): 215mm
- Length from bit to handle front(L1): 100mm
- Handle length(L2): 115mm
- Dia. 6mm
- Tool weight: 0.92kg



L06SB SERIES: BLACK

Material: Composite material

Type: 3-plys (2*Dia. 2.5mm+1*Dia. 3.1mm)

Safety load: 400kgs

Breaking strength: 650kgs

Tape Dia.: 6mm

Model No.	Length(M)	IN/OUT (CTN)
L06SB10	10	50
L06SB15	15	40
L06SB20	20	30
L06SB30	30	20
L06SB50	50	15
L06SB100	100	8
L06SB30T (Tube)	30	14
L06SB50T (Tube)	50	9
L06SB30M (Yard-stick meter)	30	20



Fish tape and wire guide

Model No.: T2

Quick cable tie

Safety load: 120kgs

Tube range: 3/4" to 1-1/2"



L06S SERIES: RED+BLACK

Material: Composite material

Type: 3-plys (2*Dia. 2.5mm+1*Dia. 3.1mm)

Safety load: 400kgs

Breaking strength: 650kgs

Tape Dia.: 6mm

Model No.	Length(M)	IN/OUT (CTN)
L06S10	10	50
L06S15	15	40
L06S20	20	30
L06S30	30	20
L06S50	50	15
L06S100	100	8
L06S30T (Tube)	30	14
L06S50T (Tube)	50	9



Model No.: T3

Quick cable tie

Safety load: 120kgs

Tube range: 1/2"-3/4"



L07S SERIES: YELLOW+BLACK

Material: Composite material

Type: 3-plys (2*Dia. 2.5mm+1*Dia. 3.1mm)

Safety load: 400kgs

Breaking strength: 650kgs

Tape Dia.: 6mm

Model No.	Length(M)	IN/OUT (CTN)
L07S10	10	50
L07S15	15	40
L07S20	20	30
L07S30	30	20
L07S50	50	15
L07S100	100	8
L07S30T (Tube)	30	14
L07S50T (Tube)	50	9



Model No.: PH-2

Pull handle for hand protection

Dia. 75mm

Thickness: 10mm

Color is random



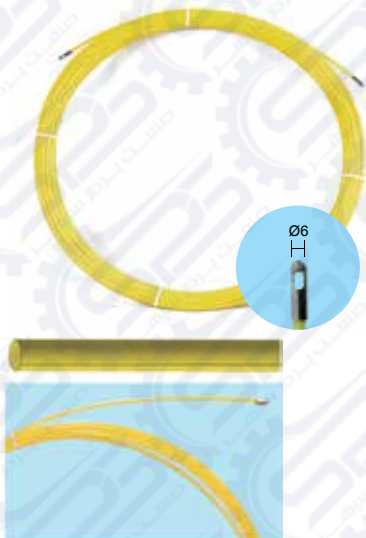
L04 SERIES: YELLOW

Material: POM plastic

Safety load: 80kgs

Breaking strength: 135kgs

Tape Dia.: 4.5mm



Model No.	Length(M)	IN/OUT (CTN)
L0405	5	125
L0410	10	90
L0415	15	65
L0420	20	50
L0425	25	40
L0430	30	35
L0445	45	30
L0450	50	25
L0460	60	20
L04100	100	10
L0430T (Tube)	30	14
L0450T (Tube)	50	14

L06 SERIES: BLACK

Material: Composite material

Type: 3-plys (3*Dia. 2.5mm)

Safety load: 450kgs

Breaking strength: 700kgs

Tape Dia.: 6.5mm



Model No.	Length(M)	IN/OUT (CTN)
L0605	5	80
L0610	10	50
L0615	15	40
L0620	20	30
L0630	30	20
L0650	50	15
L0630T (Tube)	30	14
L0650T (Tube)	50	9

L07 SERIES: YELLOW+BLACK

Material: Composite material

Type: 3-plys (2*Dia. 2.8mm+1*Dia. 3.3mm)

Safety load: 500kgs

Breaking strength: 850kgs

Tape Dia.: 7mm



Model No.	Length(M)	IN/OUT (CTN)
L0710	10	50
L0715	15	30
L0720	20	25
L0730	30	20
L0750	50	12
L0760	60	10
L0770	70	10
L07100	100	8
L0730T (Tube)	30	14
L0750T (Tube)	50	9

W08 SERIES: RED+YELLOW

Material: Composite material+

Dia. 1.2mm steel wire core

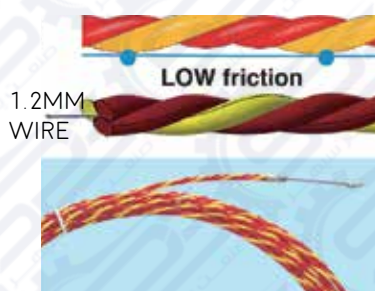
Type: 3-plys

(2*Dia. 2.8mm+1*Dia. 3.3mm)

Safety load: 650kgs

Breaking strength: 950kgs

Tape Dia.: 7mm



Model No.	Length(M)	IN/OUT (CTN)
W0810	10	50
W0815	15	30
W0820	20	25
W0830	30	20
W0850	50	12
W08100	100	8
W0830T (Tube)	30	14
W0850T (Tube)	50	9

Fish tape and wire guide



**W0550T
W05100T**



**W0450T
W04100T**



L06S50T



W0530T

BW0530V

NON-CONDUCTIVE LEADER



BW0330V

NON-CONDUCTIVE LEADER



BF-30V

NON-CONDUCTIVE LEADER



Model No.: TS20

Storage tube
Tube Dia. 40mm
Outline Dia. 350mm



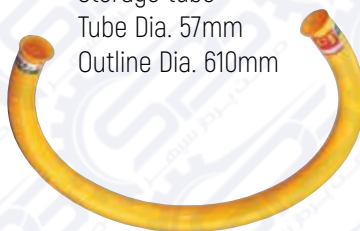
Model No.: T30

Storage tube
Tube Dia. 46mm
Outline Dia. 580mm



Model No.: T50

Storage tube
Tube Dia. 57mm
Outline Dia. 610mm



L0750T



L06S50T



W0850T



W0650T

Small case and handle: PP / Big case: ABS

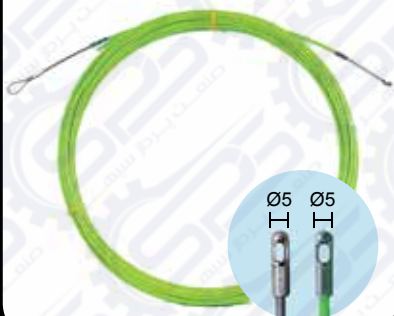


Fish tape and wire guide

W02 SERIES: GREEN

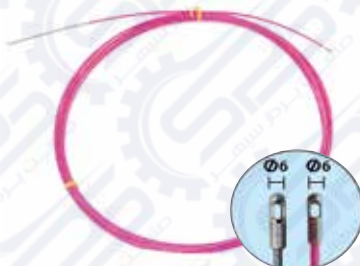
Material: Composite material
Safety load: 130kgs
Breaking strength: 180kgs
Tape Dia.: 3mm

Model No.	Length(M)	IN/OUT (CTN)
W0215	15	15



W03 SERIES: PINK

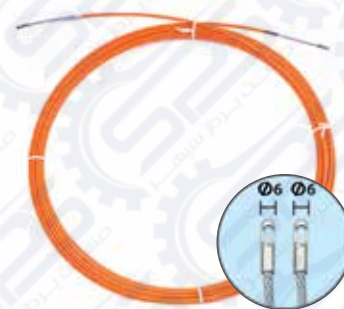
Material: Composite material
Safety load: 260kgs
Breaking strength: 300kgs
Tape Dia.: 4mm



Model No.	Length(M)	IN/OUT (CTN)
W0310	10	80
W0315	15	60
W0320	20	50
W0330	30	40

W04 SERIES: ORANGE

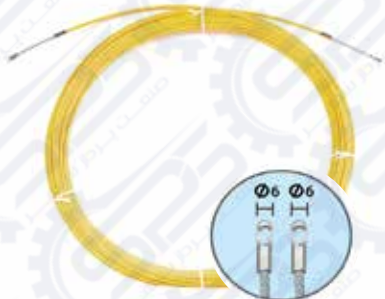
Material: Composite material
Safety load: 300kgs
Breaking strength: 350kgs
Tape Dia.: 4.5mm



Model No.	Length(M)	IN/OUT (CTN)
W0415	15	50
W0430	30	30
W0450	50	20
W04100	100	8
W0430T (Tube)	30	14
W0450T (Tube)	50	10

W05 SERIES: YELLOW

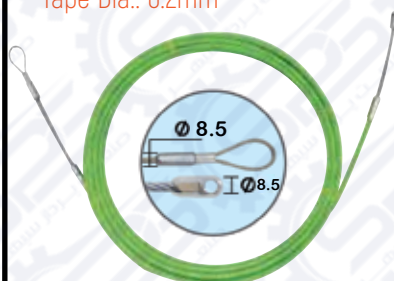
Material: Composite material
Safety load: 400kgs
Breaking strength: 450kgs
Tape Dia.: 5.2mm



Model No.	Length(M)	IN/OUT (CTN)
W0515	15	40
W0530	30	25
W0550	50	15
W05100	100	8
W0530T (Tube)	30	14
W0550T (Tube)	50	10

W06 SERIES: GREEN

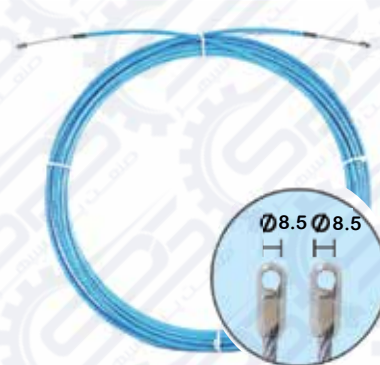
Material: Composite material
Safety load: 500kgs
Breaking strength: 550kgs
Tape Dia.: 6.2mm



Model No.	Length(M)	IN/OUT (CTN)
W0615	15	30
W0630	30	20
W0650	50	12
W06100	100	8
W0630T (Tube)	30	14
W0650T (Tube)	50	10

W07 SERIES: BLUE

Material: Composite material
Safety load: 800kgs
Breaking strength: 850kgs
Tape Dia.: 7.2mm



Model No.	Length(M)	IN/OUT (CTN)
W0730	30	15
W0750	50	10
W07100	100	8
W0730T (Tube)	30	14
W0750T (Tube)	50	9



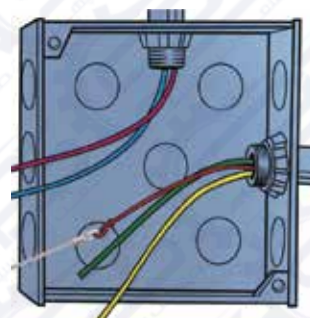
Material characteristics

PA6 Nylon

Low processing temperature
Low molding shrinkage
Light weight
With bright & glossy finish/surface
With toughness, anti-shock

PA66 Nylon

High melting point
Strong hardness
High tension
Great ductility & malleability
Durable, heat-resistant



Nylon fish tape N series

One end with flexible pilot spring / One end with firm pulling unit



Fixed Type			
Model No.	Tape Dia.	Length	Safety Load
N0405	4mm	5M	300kgs
N0410		10M	
N0415		15M	
N0420		20M	
N0425		25M	
N0430		30M	
N0305	3mm	5M	220kgs
N0310		10M	
N0315		15M	
N0320		20M	
N0325		25M	
N0330		30M	



Exchangeable Head

Exchangeable Type			
Model No.	Tape Dia.	Length	Safety Load
N0405C	4mm	5M	300kgs
N0410C		10M	
N0415C		15M	
N0420C		20M	
N0425C		25M	
N0430C		30M	
N0305C	3mm	5M	220kgs
N0310C		10M	
N0315C		15M	
N0320C		20M	
N0325C		25M	
N0330C		30M	

Nylon fish tape NP series

Both ends with firm pulling units



Fixed Type			
Model No.	Tape Dia.	Length	Safety Load
N0405P	4mm	5M	300kgs
N0410P		10M	
N0415P		15M	
N0420P		20M	
N0425P		25M	
N0430P		30M	
N0305P	3mm	5M	220kgs
N0310P		10M	
N0315P		15M	
N0320P		20M	
N0325P		25M	
N0330P		30M	



Exchangeable Head

Exchangeable Type			
Model No.	Tape Dia.	Length	Safety Load
N0405PC	4mm	5M	300kgs
N0410PC		10M	
N0415PC		15M	
N0420PC		20M	
N0425PC		25M	
N0430PC		30M	
N0305PC	3mm	5M	220kgs
N0310PC		10M	
N0315PC		15M	
N0320PC		20M	
N0325PC		25M	
N0330PC		30M	

Nylon fish tape NS series

Both ends with flexible pilot springs



Fixed Type			
Model No.	Tape Dia.	Length	Safety Load
N0405S	4mm	5M	300kgs
N0410S		10M	
N0415S		15M	
N0420S		20M	
N0425S		25M	
N0430S		30M	
N0305S	3mm	5M	220kgs
N0310S		10M	
N0315S		15M	
N0320S		20M	
N0325S		25M	
N0330S		30M	



Exchangeable Head

Exchangeable Type			
Model No.	Tape Dia.	Length	Safety Load
N0405SC	4mm	5M	300kgs
N0410SC		10M	
N0415SC		15M	
N0420SC		20M	
N0425SC		25M	
N0430SC		30M	
N0305SC	3mm	5M	220kgs
N0310SC		10M	
N0315SC		15M	
N0320SC		20M	
N0325SC		25M	
N0330SC		30M	

BW03 SERIES

Safety load: 260kgs
Breaking strength: 300kgs

Tape Dia.: 4mm 

Box size: 305mm



Model No.	Length(M)	Weight(kg)	IN/OUT (CTN)
BW0315	15	1.2	5
BW0330	30	1.5	5
BW0345	45	1.8	5
BW0360	60	2	5

BW05 SERIES

Safety load: 400kgs
Breaking strength: 450kgs

Tape Dia.: 5.2mm 

Box size: 305mm(15/30) & 405mm(45/60)

Model No.	Length(M)	Weight(kg)	IN/OUT (CTN)
BW0515	15	1.3	5
BW0530	30	1.7	5
BW0545	45	2.1	5
BW0560	60	2.5	5



BW04 SERIES

Safety load: 300kgs
Breaking strength: 400kgs

Tape Dia.: 4.5mm 

Box size: 305mm(15/30) & 405mm(45/60)

Model No.	Length(M)	Weight(kg)	IN/OUT (CTN)
BW0415	15	1.2	5
BW0430	30	1.5	5
BW0445	45	1.8	5
BW0460	60	2	5



AS & BS SERIES

Tape material: Spring steel

Tape Dia.: 3.2*1.6mm 

Box size: 205mm(AS) & 305mm(BS) & 405mm(BS-73B)

Model No.	Length(M)	Weight(kg)	IN/OUT (CTN)
AS-15	15	0.9	10
BS-15	15	1.1	5
BS-18	18	1.3	5
BS-30	30	1.9	5
BS-45	45	2.4	5
BS-60	60	3	5
BS-73	73	3.4	5
BS-73B	73	3.8	5



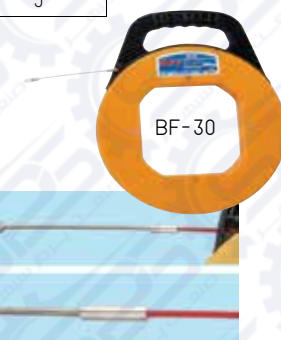
AF & BF SERIES

Tape material: Fiberglass
Safety load: 280kgs
Breaking strength: 330kgs

Tape Dia.: 3.7*2.8mm 

Box size: 205mm(AF) & 305mm(BF)

Model No.	Length(M)	Weight(kg)	IN/OUT (CTN)
AF-15	15	0.52	10
BF-15	15	1.02	5
BF-30	30	1.26	5
BF-45	45	1.46	5
BF-60	60	1.6	5
BF-80	80	1.8	5



FISH TAPE WITH NEW SMALL
20TS STORAGE CARRY
SHOULDER TUBE
BEST QUALITY THAN JAPAN!



Model No.: W04100T / W04200T

Tape material: single-composite plastic
Tape Dia.: 4.5mm
 Breaking strength: 300kgs
 Length: 100/200M
 Weight: 4.3/5.2kgs

Model No.: W05100T / W05200T

Tape material: single-composite plastic
Tape Dia.: 5.2mm
 Breaking strength: 420kgs
 Length: 100/200M
 Weight: 4.7/6.9kgs

Model No.: W06100T / W06150T

Tape material: single-composite plastic
Tape Dia.: 6.2mm
 Breaking strength: 550kgs
 Length: 100/150M
 Weight: 5.5/8.5kgs



Model No.: L06100T / L06150T

Model No.: L06S100T / L06S150T

Type: 3-plys
Tape Dia.: 6mm
 Breaking strength: 650kgs
 Length: 100/150M
 Weight: 6/7.7kgs



Model No.: L07100T / L07150T

Type: 3-plys
Tape Dia.: 7mm
 Breaking strength: 850kgs
 Length: 100/150M
 Weight: 6.5/8.5kgs

Model No.: W08100T / W08150T

Tape material: 3-plys composite plastic+steel wire rope
Tape Dia.: 7mm
 Breaking strength: 950kgs
 Length: 100/150M
 Weight: 7/9.2kgs



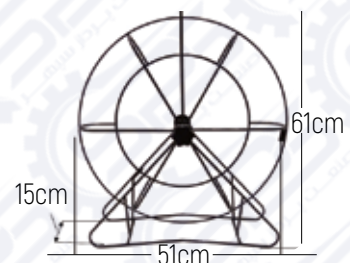
Model No.: F06100T / F06150T

Tape material: FRP
Tape Dia.: 6mm
 Breaking strength: 650kgs
 Length: 100/150M
 Weight: 4.8/7.2kgs



Model No.: T60

Frame Dia. 52cm
 Frame weight: 2.24kgs
 Dimension: 51(L)*15(W)*61(H)cm



Model No.: R76

Frame weight: 3.5kgs
 Dimension: 46.5(L)*21(W)*61(H)cm



Model No.: F06100R / F06150R

Tape material: FRP
Tape Dia.: 6mm
 Breaking strength: 650kgs
 Length: 100/150M
 Weight: 4.8/7.2kgs



Model No.: W06100R / W06150R

Tape material: single-composite plastic
Tape Dia.: 6.2mm
 Breaking strength: 550kgs
 Length: 100/150M
 Weight: 5.5/8.5kgs

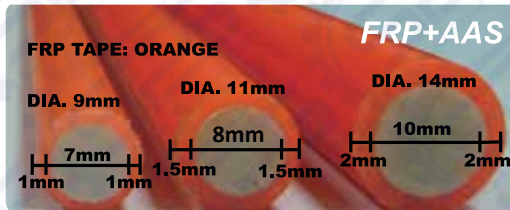


W07100R / W07150R

W08100R / W08150R

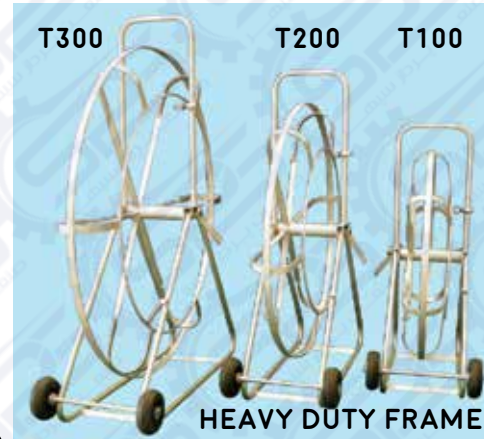
W04100R / W04150R

Model No.: F09100T	Model No.: F11100T	Model No.: F14100T
F09200T	F11200T	F14200T
Tape material: FRP	Tape material: FRP	Tape material: FRP
Tape Dia.: 9mm	Tape Dia.: 11mm	Tape Dia.: 14mm
Breaking strength: 1250kgs	Breaking strength: 1680kgs	Breaking strength: 2800kgs
Length: 100/200M	Length: 100/200M	Length: 100/200M
Weight: 41/51kgs	Weight: 48/66kgs	Weight: 64/88kgs

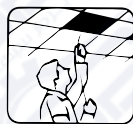


Model No.: T100/ T200/ T300

Frame Dia. 100/120/140cm
 Frame weight: 25/31/38kgs
 Dimension: 100(L)*50(W)*120(H)cm (T100)
 Dimension: 120(L)*50(W)*140(H)cm (T200)
 Dimension: 140(L)*50(W)*160(H)cm (T300)



Section fish rod tube kit



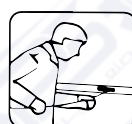
Ceiling ducts



Under floorboards



Wall cavities

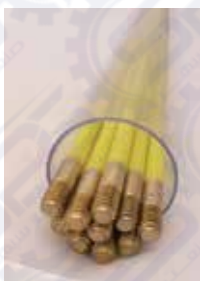


Trunking



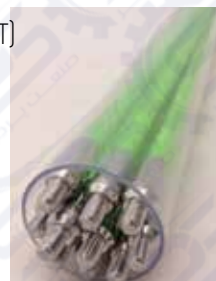
Model No.: FS533T / FS5100T
 Material: FRP (Fiberglass reinforced plastic)
 With AAS coating
 Tape Dia.: 5.2mm
 10pcs 33cm sticks (33T)
 10pcs 1M sticks (100T)
 Color: Yellow

Model No.: FS633T / FS6100T
 Material: FRP (Fiberglass reinforced plastic)
 With AAS coating
 Tape Dia.: 6mm
 10pcs 33cm sticks (33T)
 10pcs 1M sticks (100T)
 Color: Yellow



Model No.: WS533T / WS5100T
 Material: Single composited plastic
 Tape Dia.: 5.2mm
 10pcs 33cm sticks (33T)
 10pcs 1M sticks (100T)
 Color: Yellow

Model No.: WS633T / WS6100T
 Material: Single composited plastic
 Tape Dia.: 6.2mm
 10pcs 33cm sticks (33T)
 10pcs 1M sticks (100T)
 Color: Green



FS5100T
 FS6100T
 WS5100T
 WS6100T

10PCS 1M STICKS
 TOTAL LENGTH 10M



FS533T 10PCS 33CM STICKS
 FS633T TOTAL LENGTH 330CM
 WS533T
 WS633T



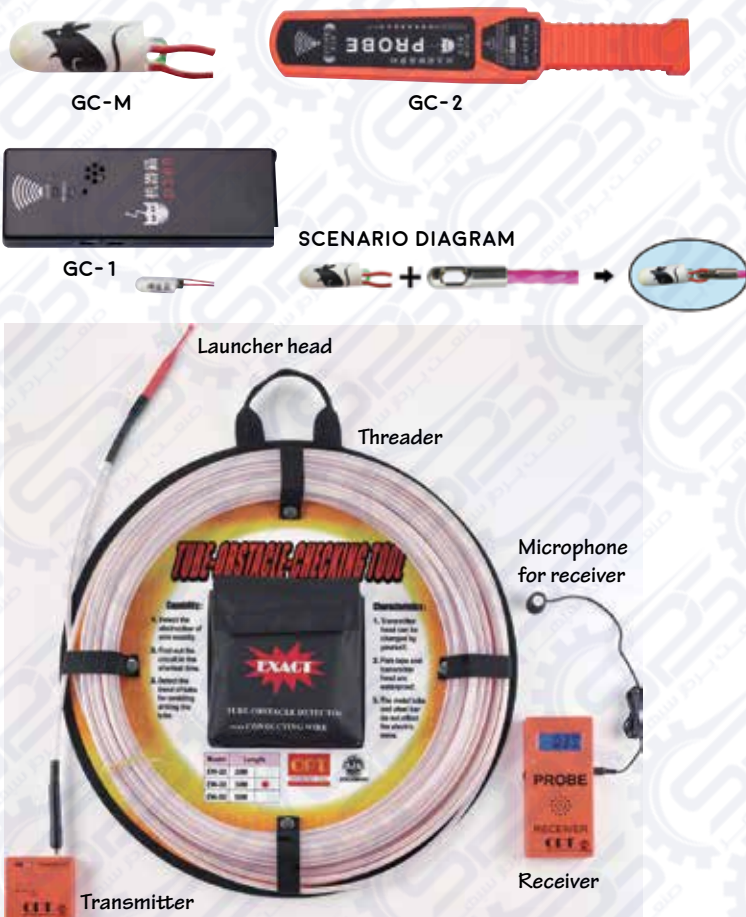
FS6-4	FS6-3	FS6-1	FS6-2
FS5-4	FS5-3	FS5-1	FS5-2
WS6-4	WS6-3	WS6-1	WS6-2
WS5-4	WS5-3	WS5-1	WS5-2
Round Ring	Hook	Ring	Cable-tie Extender



Thread type:
 FS6: 1/4" 20UNS
 WS5: M5*0.8

Model No.: EW-20/ EW-30/ EW-50

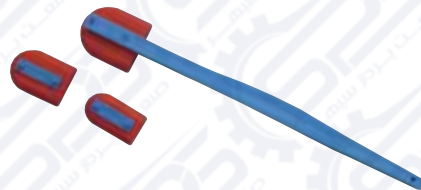
Tube obstacle checking tool
 For obstacle detecting inside tube
 Metal tube thickness: Below 4mm
 Plastic tube thickness: Below 6mm
 Cement ground thickness: Max. 280mm
 Cable length: 20/30/50M

**Model No.: CEM-1/ CEM-2/ CEM-3**

Caulking gun for cement filling
 Tube body Dia. 61mm
 Tube volume: 0.9 liter
 Tube body length: 425mm
 Total length: 650mm
 Tool weight: 0.87kg
 Cup shape: Straight/ Round/ Straight
 Outlet: 95*10mm/ Dia. 15mm/ 85*18mm

**Model No.: HF-99**

Silicone scrapper

**Model No.: PL-3M**

Polyethylene overhead line guard
 Voltage proof range: AC 20kV/3min.
 Tube inner Dia. 35mm
 Tube length: 3M

**Model No.: CS-5**

Spanners for switch-cabinets
 Square size: 5/6/7/8mm
 Triangle size: 7-8mm
 Circle size: Slotted 2.2mm
 I-dia.: 5.5mm
 O-dia.: 9mm
 Adaptor 1/4"
 Screwdriver Bit 1x7mm SL, PH2



Model No.: BOX-399

Portable storage box with double buckled clip
Box content: 18pcs A-Box
Outer frame dimension: 300(L)*145(W)*330(H)mm
Color is random



Model No.: BOX-366

Portable storage box with double buckled clip
Box content:
6pcs A-Box
4pcs B-Box
2pcs C-Box
Outer frame dimension: 300(L)*145(W)*330(H)mm
Color is random



Model No.: BOX-387

Portable storage box with double buckled clip
Box content:
12pcs A-Box
2pcs B-Box
1pcs C-Box
Outer frame dimension: 300(L)*145(W)*330(H)mm
Color is random



Model No.: A-BOX/ B-BOX/ C-BOX

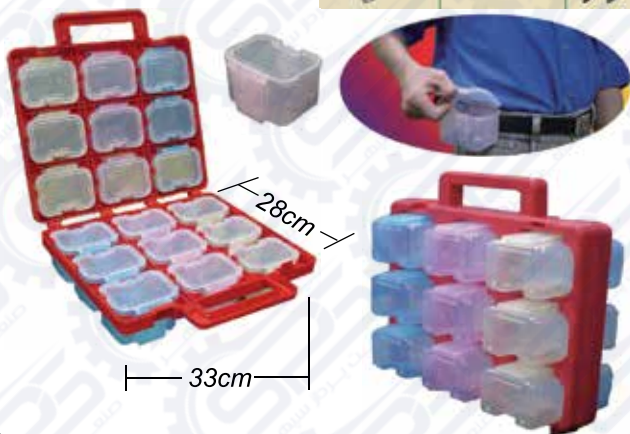
Box dimension:
A-BOX: 95(L)*65(W)*65(H)mm
B-BOX: 140(L)*65(W)*65(H)mm
C-BOX: 290(L)*65(W)*65(H)mm

THE PARTITION CAN USE SPACE FREELY.
INTEGRATED, STURDY AND DURABLE.
LARGE VOLUME, MORE STORAGE WAYS.



Model No.: BOX-99

Simple portable storage box
Inner box quantity: 18pcs
Color is random



Model No.: TB-90

Nylon canvas waist pouch
5pcs pocket
Dimension: 22.5*22*13cm



Model No.: TB-94

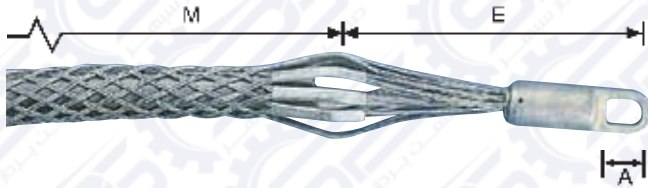
Nylon canvas waist pouch
7pcs pocket
Dimension: 23*22*15cm



KG type

For heavy duty cable

Rotating head is not a swivel



Short Type

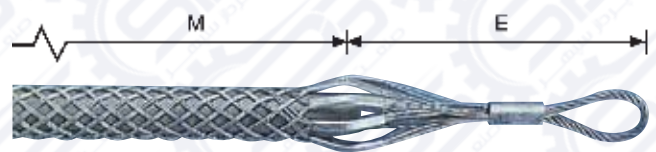
Model No.	Cable Dia. (mm)	Breaking Strength (kg)	E (mm)	M (mm)	A (mm)
KG-050A	10-15	2540	127	279	22
KG-062A	16-18	3084	127	279	22
KG-075M	19-25	3084	152	508	25
KG-100M	26-37	5806	180	508	34
KG-150M	38-49	7439	180	635	34
KG-200M	50-63	12338	203	660	41
KG-250M	64-75	14970	254	711	47
KG-300M	76-88	18597	254	762	47

Standard Type

Model No.	Cable Dia. (mm)	Breaking Strength (kg)	E (mm)	M (mm)	A (mm)
KG-075P	19-25	3084	152	813	25
KG-100P	26-31	5806	180	838	34
KG-150P	38-49	7439	180	863	34
KG-200P	50-63	12338	180	914	34
KG-250P	64-75	14970	203	965	41
KG-300P	76-88	18600	254	990	47
KG-350P	89-101	21770	254	1041	47
KG-400P	102-114	22680	254	1050	47
KG-450L	115-126	23590	254	1473	47
KG-500L	127-152	24490	254	1524	47
KG-600L	152-177	25400	254	1676	47

TG type

For medium load cable



Short Type

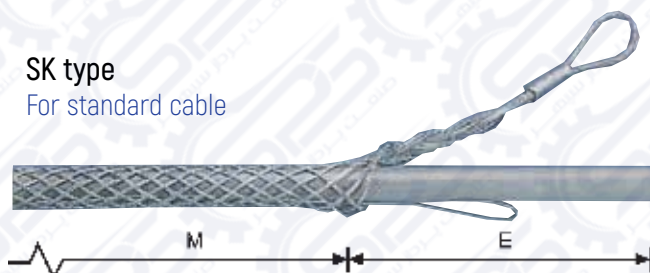
Model No.	Cable Dia. (mm)	Breaking Strength(kg)	E (mm)	M (mm)
TG-050-24	13-15	2041	203	533
TG-062-24	16-18	2540	203	609
TG-075-24	19-25	3084	228	609
TG-100-24	26-37	4352	228	609
TG-150-24	38-49	7439	279	609
TG-200-24	50-63	8391	304	609
TG-250-24	64-75	11113	304	660
TG-300-24	76-88	11113	355	710

Standard Type

Model No.	Cable Dia. (mm)	Breaking Strength (kg)	E (mm)	M (mm)
TG-100-36	26-31	4354	228	914
TG-150-36	38-49	7439	279	914
TG-200-36	50-63	8391	304	914
TG-250-36	64-76	11113	304	914
TG-300-36	76-88	11113	355	914
TG-350-36	89-101	14061	355	1016
TG-400-36	102-114	14510	381	1067
TG-450-36	115-127	15420	406	1118
TG-500-36	128-152	16330	432	1168
TG-600-36	153-177	17240	457	1219

SK type

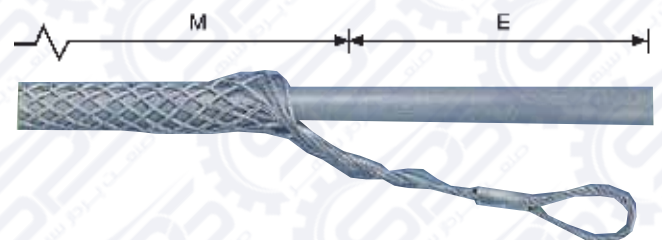
For standard cable



Model No.	Cable Dia. (mm)	Breaking Strength (kg)	E (mm)	M (mm)
SK-075A	19-25	1134	177	304
SK-100A	26-37	1587	203	381
SK-125A	32-37	1814	203	406
SK-150A	38-49	1814	228	431
SK-200A	50-63	1814	254	482
SK-250A	64-75	1814	254	508
SK-300A	76-88	1814	304	533
SK-350A	89-101	1814	304	558
SK-400A	102-114	1814	304	584
SK-450A	115-127	2270	304	610
SK-500A	128-152	2360	304	635
SK-600A	153-177	2450	304	660

SG type

Slack grip split mesh lace closing



Model No.	Cable Dia. (mm)	Breaking Strength (kg)	E (mm)	M (mm)
SG-075A	19-25	1134	127	279
SG-100A	26-37	1587	127	279
SG-125A	32-37	1814	152	508
SG-150A	38-49	1814	228	431
SG-200A	50-63	1814	254	482
SG-250A	64-75	1814	254	508
SG-300A	76-88	1814	304	533
SG-350A	89-101	1814	304	558
SG-400A	102-114	2180	304	584
SG-450A	115-127	2270	304	610
SG-500A	128-152	2360	304	635
SG-600A	153-177	2450	304	660

Model No.: H-227

Double D-ring safety belt
Thick-pad belt and secure waist
Lanyard: Dia. 16mm*Length 2200mm
Pad belt: Width 90mm*Length 700mm
Snap belt: Width 45mm*Length 1200mm
Content:
Double-lock buckle*1pc
D-ring*3pcs
Tetragonal ring*1pc
Double-lock safety hook*1pc
Cushion belt*1pc
Bundle of belt*1pc
Sliding handle*1pc



Model No.: WG-20/ WG-30

Wire grip for **bare aluminum cable and ACSR**
Cable Dia.: 4-22/ 16-32mm
Safety load: 2000/ 3000kgs
Weight: 1.4/ 2.8kgs
Teeth: No

Model No.: WG-11/ WG-21/ WG-31

Wire grip for **copper cable, covered conductor and messenger wire**
Cable Dia.: 2.6-15/ 4-22/ 16-32mm
Safety load: 1000/ 2000/ 3000kgs
Weight: 0.7/ 1.4/ 2.8kgs
Teeth: Yes



Model No.: P1000/ P1500/ P2000

Ratchet hoist and pulling grip
Capacity: 1/ 1.5/ 2tons
Strap size: 5*2200/ 6*2200/ 5*3200mm
Max. L-size: 1230/ 1250/ 1870mm
Min. L-size: 410/ 450/ 480mm
Lever L-size: 330/ 430/ 430mm
Tool weight: 3.2/ 4.4/ 4.2kgs



Model No.: WS1000L/ WS1500L

Ratchet hoist and pulling grip
FRP insulated handle
Double-strap 1.5M & single strap 3M
Capacity: 1/ 1.5tons
Strap size: 2*33/ 2.2*40mm
Max. L-size: 2000mm
Min. L-size: 460/ 500mm
Lever L-size: 400/ 460mm
Tool weight: 3.6/ 4.5kgs



Model No.: WS1000/ WS1500

Ratchet hoist and pulling grip
FRP insulated handle
Single strap 1.5M
Capacity: 1/ 1.5tons
Strap size: 2*33/ 2.2*40mm
Max. L-size: 2000mm
Min. L-size: 420/ 450mm
Lever L-size: 400/ 460mm
Tool weight: 3.2/ 4.5kgs



Model No.: MAL-130

Hole saw for upholstery

Pilot-bit material: HSS-Co

Scale material: High strength alloy steel

Type: Adjustable

Punching material thickness:

Stainless steel plate 2mm

Metal plate 4mm

Aluminum plate 6mm

Hole punching range:

Dia. 30-130mm



Model No.: 6LT-130

Circle cutter Type: Adjustable

Blade material: Hard Tungsten steel

Punching material thickness:

Thick non-metal board: Below 15mm

Hole punching range: Dia. 40-130mm

Shank: HEX6.35

Work with drill below 3000RPM

While cutting hole Dia. above 100mm, need to adjust speed below 300RPM



Model No.: RL-210

Manual circle cutter

Type: Adjustable

Blade material: K5 high carbon steel

Body material: Aluminum diecasting

Plastic material: Nylon

Punching material thickness:

Thick non-metal board: 8mm

Plywood board: 3mm

Hole punching range:

Dia. 40-210mm

(1-3/4" to 8-1/4")

Replacement blades: 3pcs



Model No.: HAP-50

Manual puncher for T-Bar and light frame

Throat depth: 48mm

Punching material thickness:

Stainless steel 0.9mm (Gauge 20)

Galvannealed steel 1.2mm (Gauge 19)

Hole punching dies: (6pcs)

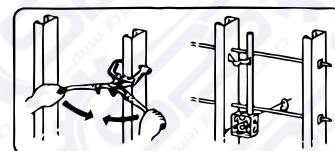
Dia. 11/ 13/ 22/ 25/ 28/ 34.1mm

Tool length: 500mm

Tool weight: 2.5kgs



CUTTING FUNCTION FOR HOLES DIA. 40-210MM



Model No.: HAP-100

Manual puncher for T-Bar and light frame

Throat depth: 108mm

Punching material thickness:

Stainless steel 0.9mm (Gauge 20)

Galvannealed steel 1.2mm (Gauge 19)

Hole punching dies: (5pcs)

Dia. 11/ 13/ 22/ 28/ 34.1mm

Tool length: 650mm

Tool weight: 3kgs

OPT HOLE PUNCHERS(FOR METAL/NON-METAL MATERIAL)

Model No.: X150-3T

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

Punching material thickness:

Fiber cement board(ceiling): 3-25mm/each side

Wood board: 3-25mm/each side

Hole punching range: Dia. 75/90/95/120/150mm

Carton QTY: 6pcs

Kit content:

Shank(Straight & SDS & Hex 6.35mm) each*1pc

Round blade(Dia. 75/95/150mm) each*1pc

Wrench 3/24mm each*1pc

Spacer (75/95/150mm) each*1pc

Shield (Dia. 150mm)*1pc



3-KINDS SHANK KIT



Model No.: X-150TC/ 4X-150TC/ 6X-150TC

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

Ball-bearing design and spring-pop rest material

Punching material thickness:

Fiber cement board(ceiling): 3-30mm/each side

Wood board: 3-30mm/each side

Hole punching range: Dia. 50-150mm [2" to 5-7/8"]

Carton QTY: 6pcs

Kit content:

Straight shank*1pc (X-150TC)

SDS shank*1pc (4X-150TC)

Hex 6.35mm shank*1pc (6X-150TC)

Blade(Tungsten steel)*2pairs

Hex-wrench 3/4mm each*1pc

Shield (Dia. 150mm)*1pc



X-150TC

4X-150TC

6X-150TC



Model No.: X-205H (Triangle)/ 4X-205H (SDS)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

Blade type: BH-002 High speed steel

Shield (Dia. 205mm)*1pc

Punching material thickness:

Wood board(Non-metal): 3-50mm[1/8" to 2"]/each side

Hole punching range: Dia. 40-205mm [1-9/16" to 8"]

Carton QTY: 12pcs



10MM SHANK
FOR POWER
DRILLS



Model No.: X-205T (Triangle)/ 4X-205T (SDS)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

Blade type: BT-002 Tungsten carbide steel

Shield (Dia. 205mm)*1pc

Punching material thickness:

Fiber cement board(ceiling): 3-50mm[1/8" to 2"]/each side

Hole punching range: Dia. 40-205mm [1-9/16" to 8"]

Carton QTY: 12pcs



10MM SHANK
FOR POWER
DRILLS



OPT HOLE PUNCHERS(FOR METAL/NON-METAL MATERIAL)



Model No.: X-205 (Triangle)/ 4X-205 (SDS)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

With 2-kinds blade: BT-002 Tungsten carbide steel
BH-002 High speed steel

Shield (Dia. 205mm)*1pc

Punching material thickness:

Non-metal board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 40-205mm (1-9/16" to 8")

Carton QTY: 6pcs

Model No.: X-265 (Triangle)/ 4X-265 (SDS)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

With 2-kinds blade: BT-002 Tungsten carbide steel
BH-002 High speed steel

Shield (Dia. 265mm)*1pc

Punching material thickness:

Non-metal board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 40-265mm (1-9/16" to 10-5/8")

Carton QTY: 6pcs

Model No.: X-230 (Triangle)/ 4X-230 (SDS)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

With 2-kinds blade: BT-002 Tungsten carbide steel
BH-002 High speed steel

Shield (Dia. 230mm)*1pc

Punching material thickness:

Non-metal board: 3-30mm(1/8" to 1-3/16")/each side

Hole punching range: Dia. 45-230mm (1-3/4" to 9")

Carton QTY: 6pcs

Model No.: X-305 (Triangle)

Punching kit for lighting use(Non-metal board)
With 3-paths transparent anti-scrap shield

With 2-kinds blade: BT-002 Tungsten carbide steel
BH-002 High speed steel

Shield (Dia. 305mm)*1pc

Punching material thickness:

Non-metal board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 48-305mm (1-7/8" to 12")

Carton QTY: 6pcs

OPT HOLE PUNCHERS(FOR METAL/NON-METAL MATERIAL)



X-202HC

BH-002

High
speed
steel



X-202TC

BT-002

Tungsten
carbide
steel



10MM SHANK FOR POWER DRILLS

Model No.: X-202HC (Triangle)

Punching kit for lighting use(Non-metal board)

Blade type: BH-002 High speed steel

Punching material thickness:

Wood board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-200mm (1-3/16" to 7-7/8")

Carton QTY: 30pcs

Model No.: X-202TC (Triangle)

Punching kit for lighting use(Non-metal board)

Blade type: BT-002 Tungsten carbide steel

Punching material thickness:

Fiber cement board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-200mm (1-3/16" to 7-7/8")

Carton QTY: 30pcs



Model No.: X-202H (Triangle)

Punching kit for lighting use(Non-metal board)

Blade type: BH-002 High speed steel

Punching material thickness:

Wood board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-200mm (1-3/16" to 7-7/8")

Carton QTY: 50pcs(Blister)

Model No.: X-202T (Triangle) / 4X-202T (SDS)

Punching kit for lighting use(Non-metal board)

Blade type: BT-002 Tungsten carbide steel

Punching material thickness:

Fiber cement board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-200mm (1-3/16" to 7-7/8")

Carton QTY: 50pcs(Blister)



BT-003 (Short)

Tungsten
carbide
steel



Model No.: X-120H (Triangle) / 6X-120H (HEX6.35)

Punching kit for lighting use(Non-metal board)

Blade type: BH-002 High speed steel (Fixed type)

Punching material thickness:

Wood board: 10mm (25/64")

Hole punching range: Dia. 30-120mm (1-3/16" to 4-23/32")

Carton QTY: 50pcs(Blister)

Model No.: X-130T (Triangle)

Punching kit for lighting use(Non-metal board)

Blade type: BT-003 Short tungsten carbide steel (Fixed type)

Punching material thickness:

Fiber cement board: 10mm (25/64")

Hole punching range: Dia. 30-120mm (1-3/16" to 4-23/32")

Carton QTY: 50pcs(Blister)

Model No.: 6X-155T (HEX6.35) / 6X-202T (HEX6.35)

Punching kit for lighting use(Non-metal board)

Blade type: BT-001 Tungsten carbide steel

Punching material thickness:

Fiber cement board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-150mm (1-3/16" to 5-29/32")

Carton QTY: 50pcs(Blister)



Model No.: 6X-202H (HEX6.35)

Punching kit for lighting use(Non-metal board)

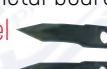
Blade type: BH-001 High speed steel

Punching material thickness:

Plaster board: 3-50mm(1/8" to 2")/each side

Hole punching range: Dia. 30-150mm (1-3/16" to 5-29/32")

Carton QTY: 50pcs(Blister)



Model No.: HO-B

Hole saw(Green label)

Triangle-stem with plain edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 5mm

Stainless sheet/tube: 3mm



Model No.	Size	Package	Model No.	Size	Package	Model No.	Size	Package
HO-015B	15mm	10/100	HO-046B	46mm	6/60	HO-081B	81mm	4/40
HO-016B	16mm		HO-047B	47mm		HO-082B	82mm	
HO-017B	17mm		HO-048B	48mm		HO-083B	83mm	
HO-018B	18mm	10/100	HO-049B	49mm	6/60	HO-084B	84mm	4/40
HO-019B	19mm		HO-050B	50mm		HO-085B	85mm	
HO-0195B	19.5mm		HO-051B	51mm		HO-086B	86mm	
HO-020B	20mm	10/100	HO-052B	52mm	6/60	HO-087B	87mm	4/40
HO-021B	21mm		HO-053B	53mm		HO-088B	88mm	
HO-022B	22mm		HO-054B	54mm		HO-089B	89mm	
HO-023B	23mm	10/100	HO-055B	55mm	6/60	HO-090B	90mm	4/40
HO-024B	24mm		HO-056B	56mm		HO-091B	91mm	
HO-025B	25mm		HO-057B	57mm		HO-092B	92mm	
HO-0255B	25.5mm	10/100	HO-058B	58mm	4/40	HO-093B	93mm	4/40
HO-026B	26mm		HO-059B	59mm		HO-094B	94mm	
HO-027B	27mm		HO-060B	60mm	4/40	HO-095B	95mm	4/40
HO-028B	28mm	10/100	HO-061B	61mm		HO-096B	96mm	
HO-029B	29mm		HO-062B	62mm		HO-097B	97mm	4/40
HO-030B	30mm	10/100	HO-063B	63mm	4/40	HO-098B	98mm	
HO-031B	31mm		HO-064B	64mm		HO-099B	99mm	
HO-032B	32mm	10/100	HO-065B	65mm	4/40	HO-100B	100mm	2/20
HO-033B	33mm		HO-066B	66mm		HO-105B	105mm	
HO-034B	34mm		HO-067B	67mm	4/40	HO-110B	110mm	
HO-035B	35mm	10/100	HO-068B	68mm		HO-115B	115mm	2/20
HO-036B	36mm		HO-069B	69mm		HO-120B	120mm	
HO-037B	37mm	10/100	HO-070B	70mm	4/40	HO-125B	125mm	2/20
HO-038B	38mm		HO-071B	71mm		HO-130B	130mm	
HO-039B	39mm		HO-072B	72mm	4/40	HO-135B	135mm	
HO-040B	40mm	6/60	HO-073B	73mm		HO-140B	140mm	2/20
HO-041B	41mm		HO-074B	74mm		HO-145B	145mm	
HO-042B	42mm		HO-075B	75mm	4/40	HO-150B	150mm	
HO-043B	43mm	6/60	HO-076B	76mm				
HO-044B	44mm		HO-077B	77mm				
HO-045B	45mm		HO-078B	78mm	4/40			
			HO-079B	79mm				
			HO-080B	80mm				

Model No.: HOL-B

Hole saw(Orange label)

Triangle-stem with serrated edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 5mm

Stainless sheet/tube: 3mm



Model No.	Size	Package	Model No.	Size	Package	Model No.	Size	Package
HOL-015B	15mm	10/100	HOL-046B	46mm	6/60	HOL-081B	81mm	4/40
HOL-016B	16mm		HOL-047B	47mm		HOL-082B	82mm	
HOL-017B	17mm		HOL-048B	48mm		HOL-083B	83mm	
HOL-018B	18mm	10/100	HOL-049B	49mm	6/60	HOL-084B	84mm	4/40
HOL-019B	19mm		HOL-050B	50mm		HOL-085B	85mm	
HOL-0195B	19.5mm		HOL-051B	51mm		HOL-086B	86mm	
HOL-020B	20mm	10/100	HOL-052B	52mm	6/60	HOL-087B	87mm	4/40
HOL-021B	21mm		HOL-053B	53mm		HOL-088B	88mm	
HOL-022B	22mm		HOL-054B	54mm		HOL-089B	89mm	
HOL-023B	23mm	10/100	HOL-055B	55mm	6/60	HOL-090B	90mm	4/40
HOL-024B	24mm		HOL-056B	56mm		HOL-091B	91mm	
HOL-025B	25mm		HOL-057B	57mm		HOL-092B	92mm	
HOL-0255B	25.5mm	10/100	HOL-058B	58mm	4/40	HOL-093B	93mm	4/40
HOL-026B	26mm		HOL-059B	59mm		HOL-094B	94mm	
HOL-027B	27mm		10/100	HOL-060B	60mm	4/40	HOL-095B	
HOL-028B	28mm	HOL-061B		61mm	HOL-096B		96mm	
HOL-029B	29mm	HOL-062B		62mm	HOL-097B		97mm	
HOL-030B	30mm	10/100	HOL-063B	63mm	4/40	HOL-098B	98mm	4/40
HOL-031B	31mm		HOL-064B	64mm		HOL-099B	99mm	
HOL-032B	32mm		HOL-065B	65mm		HOL-100B	100mm	
HOL-033B	33mm	10/100	HOL-066B	66mm	4/40	HOL-105B	105mm	2/20
HOL-034B	34mm		HOL-067B	67mm		HOL-110B	110mm	
HOL-035B	35mm		HOL-068B	68mm		HOL-115B	115mm	
HOL-036B	36mm	10/100	HOL-069B	69mm	4/40	HOL-120B	120mm	2/20
HOL-037B	37mm		HOL-070B	70mm		HOL-125B	125mm	
HOL-038B	38mm		10/100	HOL-071B	71mm	4/40	HOL-130B	
HOL-039B	39mm	HOL-072B		72mm	HOL-135B		135mm	
HOL-040B	40mm	HOL-073B		73mm	HOL-140B		140mm	
HOL-041B	41mm	6/60	HOL-074B	74mm	4/40	HOL-145B	145mm	
HOL-042B	42mm		HOL-075B	75mm		HOL-150B	150mm	
HOL-043B	43mm		HOL-076B	76mm				
HOL-044B	44mm	6/60	HOL-077B	77mm	4/40			
HOL-045B	45mm		HOL-078B	78mm				
			HOL-079B	79mm				
			HOL-080B	80mm				



Carbide Tipped Hole Cutter

Suggested RPM's as follow:

RPM Recommended	15 20	21 30	31 40	41 50	51 60	61 75	76 150
Stainless steel	300	200	180	140	100	90	80
Mild steel	500	400	300	200	150	130	100
Iron Plate	600	500	350	300	250	200	150
Copper and Brass	800	650	450	350	250	220	200



⚠ WARNING: Risk of eye injury and protection required

Drill bit accessory

Dia (mm)	Model No.	For Range	Package (Box)	Package (CTN)
6mm	DR-6	15-100mm	50	250
8mm	DR-8	105-150mm	50	250

Standard package with two-step pilot bit

High quality step drill seires

HSS M35-CO

Quick holes drilling



Model No.	STEM TYPE	STEP RANGE	STEP QTY	MATERIAL
XLD-412	TRIANGLE	4/5/6/7/8/9/10/11/12	9 STEPS	HSS M35 CO
XLD-422		4/6/8/10/12/14/16/18/20/22	10 STEPS	
XLD-635		6/8/10/13/16/18/20/22/25/28/30/32/35	13 STEPS	
4XLD-412	SDS	4/5/6/7/8/9/10/11/12	9 STEPS	
4XLD-422		4/6/8/10/12/14/16/18/20/22	10 STEPS	
4XLD-635		6/8/10/13/16/18/20/22/25/28/30/32/35	13 STEPS	
6XLD-412	HEX6.35	4/5/6/7/8/9/10/11/12	9 STEPS	
6XLD-422		4/6/8/10/12/14/16/18/20/22	10 STEPS	
6XLD-635		6/8/10/13/16/18/20/22/25/28/30/32/35	13 STEPS	

Model No.: 4HO-B

Hole saw(Purple label)

SDS four ditches-stem with plain edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 5mm

Stainless sheet/tube: 3mm



Model No.: 6HO-B

Hole saw(Red label)

HEX6.35 hexagonal-stem with plain edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 3mm

Stainless sheet/tube: 2mm



Model No.	Size	Package	Model No.	Size	Package
4HO-015B	15mm	10/100	6HO-015B	15mm	10/100
4HO-016B	16mm		6HO-016B	16mm	
4HO-017B	17mm		6HO-017B	17mm	
4HO-018B	18mm		6HO-018B	18mm	
4HO-019B	19mm		6HO-019B	19mm	
4HO-020B	20mm		6HO-020B	20mm	
4HO-021B	21mm		6HO-021B	21mm	
4HO-022B	22mm		6HO-022B	22mm	
4HO-023B	23mm		6HO-023B	23mm	
4HO-024B	24mm		6HO-024B	24mm	
4HO-025B	25mm		6HO-025B	25mm	
4HO-026B	26mm		6HO-026B	26mm	
4HO-027B	27mm		6HO-027B	27mm	
4HO-028B	28mm		6HO-028B	28mm	
4HO-029B	29mm		6HO-029B	29mm	
4HO-030B	30mm		6HO-030B	30mm	
4HO-031B	31mm		6HO-031B	31mm	
4HO-032B	32mm		6HO-032B	32mm	
4HO-033B	33mm		6HO-033B	33mm	
4HO-034B	34mm		6HO-034B	34mm	
4HO-035B	35mm		6HO-035B	35mm	
4HO-036B	36mm		6HO-036B	36mm	
4HO-037B	37mm		6HO-037B	37mm	
4HO-038B	38mm		6HO-038B	38mm	
4HO-039B	39mm		6HO-039B	39mm	
4HO-040B	40mm		6HO-040B	40mm	

Model No.: HO-B

Hole saw(Yellow label)

Triangle-stem with plain edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 13/64"

Stainless sheet/tube: 1/8"



Model No.: HOL-B

Hole saw(Blue label)

Triangle-stem with serrated edge

Punching material thickness:

Mild steel, iron, copper and brass sheet: 13/64"

Stainless sheet/tube: 1/8"



Model No.	Size	Package	Model No.	Size	Package
HO-0304B	3/4"	10/100	HOL-0304B	3/4"	10/100
HO-0708B	7/8"	10/100	HOL-0708B	7/8"	
HO-0100B	1"		HOL-0100B	1"	
HO-1108B	1-1/8"	10/100	HOL-1108B	1-1/8"	10/100
HO-1732B	1-7/32"		HOL-1732B	1-7/32"	
HO-1104B	1-1/4"		HOL-1104B	1-1/4"	
HO-1308B	1-3/8"	10/100	HOL-1308B	1-3/8"	10/100
HO-1716B	1-7/16"		HOL-1716B	1-7/16"	
HO-1102B	1-1/2"		HOL-1102B	1-1/2"	
HO-1304B	1-3/4"	6/60	HOL-1304B	1-3/4"	6/60
HO-0200B	2"	6/60	HOL-0200B	2"	6/60
HO-2102B	2-1/2"	4/40	HOL-2102B	2-1/2"	4/40
HO-2708B	2-7/8"	4/40	HOL-2708B	2-7/8"	4/40
HO-0300B	3"	4/40	HOL-0300B	3"	4/40
HO-3102B	3-1/2"	4/40	HOL-3102B	3-1/2"	4/40
HO-0400B	4"	4/40	HOL-0400B	4"	4/40
HO-4102B	4-1/2"	2/20	HOL-4102B	4-1/2"	2/20

Drill bit accessory

Dia (mm)	Model No.	For Range	Package (Box)	Package (CTN)
6mm	DR-6	15-100mm	50	250
8mm	DR-8	105-150mm	50	250

Standard package with two-step pilot bit

HSS-Magnetic hole saws for thick H steel

Red label: HSS blade Max. punching depth: 25mm Hole range: Dia. 12-60mm

Orange label: HSS blade Max. punching depth: 50mm Hole range: Dia. 12-150mm

For hole range above 61mm, need to use only magnetic drill type as WEDLDON only

Proper for most brand of magnetic drill, like ONE-TOUCH/NITTO/WEDLDON

Proper punching materials: Steel, Cast iron and Aluminum

Packing: 12-44mm(hang plastic case)/ 45-150mm(plastic case)



Model No.	Hole Diameter	Length(mm)
HSS25U12R	12mm	25mm
HSS25U13R	13mm	
HSS25U14R	14mm	
HSS25U15R	15mm	
HSS25U16R	16mm	
HSS25U17R	17mm	
HSS25U18R	18mm	
HSS25U19R	19mm	
HSS25U20R	20mm	
HSS25U21R	21mm	
HSS25U22R	22mm	
HSS25U23R	23mm	
HSS25U24R	24mm	
HSS25U25R	25mm	
HSS25U26R	26mm	
HSS25U27R	27mm	
HSS25U28R	28mm	
HSS25U29R	29mm	
HSS25U30R	30mm	
HSS25U31R	31mm	
HSS25U32R	32mm	
HSS25U33R	33mm	
HSS25U34R	34mm	
HSS25U35R	35mm	
HSS25U36R	36mm	
HSS25U37R	37mm	
HSS25U38R	38mm	
HSS25U39R	39mm	
HSS25U40R	40mm	

Model No.	Hole Diameter	Length(mm)
HSS25U41R	41mm	25mm
HSS25U42R	42mm	
HSS25U43R	43mm	
HSS25U44R	44mm	
HSS25U45R	45mm	
HSS25U46R	46mm	
HSS25U47R	47mm	
HSS25U48R	48mm	
HSS25U49R	49mm	
HSS25U50R	50mm	
HSS25U51R	51mm	
HSS25U52R	52mm	
HSS25U53R	53mm	
HSS25U54R	54mm	
HSS25U55R	55mm	
HSS25U56R	56mm	
HSS25U57R	57mm	
HSS25U58R	58mm	
HSS25U59R	59mm	
HSS25U60R	60mm	

Model No.	Hole Diameter	Length(mm)
HSS50U12O	12mm	50mm
HSS50U13O	13mm	
HSS50U14O	14mm	
HSS50U15O	15mm	
HSS50U16O	16mm	
HSS50U17O	17mm	
HSS50U18O	18mm	
HSS50U19O	19mm	
HSS50U20O	20mm	
HSS50U21O	21mm	
HSS50U22O	22mm	
HSS50U23O	23mm	
HSS50U24O	24mm	
HSS50U25O	25mm	
HSS50U26O	26mm	
HSS50U27O	27mm	
HSS50U28O	28mm	
HSS50U29O	29mm	
HSS50U30O	30mm	
HSS50U31O	31mm	
HSS50U32O	32mm	
HSS50U33O	33mm	
HSS50U34O	34mm	
HSS50U35O	35mm	
HSS50U36O	36mm	
HSS50U37O	37mm	
HSS50U38O	38mm	
HSS50U39O	39mm	
HSS50U40O	40mm	

Model No.	Hole Diameter	Length(mm)
HSS50U41O	41mm	50mm
HSS50U42O	42mm	
HSS50U43O	43mm	
HSS50U44O	44mm	
HSS50U45O	45mm	
HSS50U46O	46mm	
HSS50U47O	47mm	
HSS50U48O	48mm	
HSS50U49O	49mm	
HSS50U50O	50mm	
HSS50U51O	51mm	
HSS50U52O	52mm	
HSS50U53O	53mm	
HSS50U54O	54mm	
HSS50U55O	55mm	
HSS50U56O	56mm	
HSS50U57O	57mm	
HSS50U58O	58mm	
HSS50U59O	59mm	
HSS50U60O	60mm	
HSS50U61O	61mm	
HSS50U62O	62mm	
HSS50U63O	63mm	
HSS50U64O	64mm	
HSS50U65O	65mm	
HSS50U66O	66mm	
HSS50U67O	67mm	
HSS50U68O	68mm	
HSS50U69O	69mm	

Model No.	Hole Diameter	Length(mm)
HSS50U70O	70mm	50mm
HSS50U71O	71mm	
HSS50U72O	72mm	
HSS50U73O	73mm	
HSS50U74O	74mm	
HSS50U75O	75mm	
HSS50U76O	76mm	
HSS50U77O	77mm	
HSS50U78O	78mm	
HSS50U79O	79mm	
HSS50U80O	80mm	
HSS50U81O	81mm	
HSS50U82O	82mm	
HSS50U83O	83mm	
HSS50U84O	84mm	
HSS50U85O	85mm	
HSS50U86O	86mm	
HSS50U87O	87mm	
HSS50U88O	88mm	
HSS50U89O	89mm	
HSS50U90O	90mm	
HSS50U91O	91mm	
HSS50U92O	92mm	
HSS50U93O	93mm	
HSS50U94O	94mm	
HSS50U95O	95mm	
HSS50U96O	96mm	
HSS50U97O	97mm	
HSS50U98O	98mm	



Model No.	Hole Diameter	Length(mm)
HSS50U99O	99mm	50mm
HSS50U100O	100mm	
HSS50U105O	105mm	
HSS50U110O	110mm	
HSS50U115O	115mm	
HSS50U120O	120mm	
HSS50U125O	125mm	
HSS50U130O	130mm	
HSS50U135O	135mm	
HSS50U140O	140mm	
HSS50U145O	145mm	
HSS50U150O	150mm	

Needle Pin Accessory

Model No.	For range	For hole saw length	Application
TAC35-1213L	12-13L	35mm	Remove remainder after hole punching,
TAC35-1417L	14-17L		
TAC35-1860L	18-60L		
TAC50-1213L	12-13L	50mm	for below Dia. 60mm
TAC50-1417L	14-17L		
TAC50-1860L	18-60L		



OPT HSS/TCT-MAGNETIC HOLE SAWS FOR THICK H-STEEL

TCT-Magnetic hole saws for thick H steel

Blue label: TCT blade Max. punching depth: 35mm Hole range: Dia. 12-60mm

Green label: TCT blade Max. punching depth: 50mm Hole range: Dia. 12-150mm

For hole range above 61mm, need to use only magnetic drill type as WEDLDON only

Proper for most brand of magnetic drill, like ONE-TOUCH/NITTO/WEDLDON

Proper punching materials: **Stainless Steel**, Steel, Cast iron and Aluminum

Packing: 12-44mm(hang plastic case)/ 45-150mm(plastic case)



Model No.	Hole Diameter	Length(mm)
TCT35U12B	12mm	35mm
TCT35U13B	13mm	
TCT35U14B	14mm	
TCT35U15B	15mm	
TCT35U16B	16mm	
TCT35U17B	17mm	
TCT35U18B	18mm	
TCT35U19B	19mm	
TCT35U20B	20mm	
TCT35U21B	21mm	
TCT35U22B	22mm	
TCT35U23B	23mm	
TCT35U24B	24mm	
TCT35U25B	25mm	
TCT35U26B	26mm	
TCT35U27B	27mm	
TCT35U28B	28mm	
TCT35U29B	29mm	
TCT35U30B	30mm	
TCT35U31B	31mm	
TCT35U32B	32mm	
TCT35U33B	33mm	
TCT35U34B	34mm	
TCT35U35B	35mm	
TCT35U36B	36mm	35mm
TCT35U37B	37mm	
TCT35U38B	38mm	
TCT35U39B	39mm	
TCT35U40B	40mm	

Model No.	Hole Diameter	Length(mm)
TCT35U41B	41mm	35mm
TCT35U42B	42mm	
TCT35U43B	43mm	
TCT35U44B	44mm	
TCT35U45B	45mm	
TCT35U46B	46mm	
TCT35U47B	47mm	
TCT35U48B	48mm	
TCT35U49B	49mm	
TCT35U50B	50mm	
TCT35U51B	51mm	
TCT35U52B	52mm	
TCT35U53B	53mm	
TCT35U54B	54mm	
TCT35U55B	55mm	
TCT35U56B	56mm	
TCT35U57B	57mm	
TCT35U58B	58mm	
TCT35U59B	59mm	
TCT35U60B	60mm	

Model No.	Hole Diameter	Length(mm)
TCT50U12G	12mm	50mm
TCT50U13G	13mm	
TCT50U14G	14mm	
TCT50U15G	15mm	
TCT50U16G	16mm	
TCT50U17G	17mm	
TCT50U18G	18mm	
TCT50U19G	19mm	
TCT50U20G	20mm	
TCT50U21G	21mm	
TCT50U22G	22mm	
TCT50U23G	23mm	
TCT50U24G	24mm	
TCT50U25G	25mm	
TCT50U26G	26mm	
TCT50U27G	27mm	
TCT50U28G	28mm	
TCT50U29G	29mm	
TCT50U30G	30mm	
TCT50U31G	31mm	
TCT50U32G	32mm	
TCT50U33G	33mm	50mm
TCT50U34G	34mm	
TCT50U35G	35mm	
TCT50U36G	36mm	
TCT50U37G	37mm	
TCT50U38G	38mm	
TCT50U39G	39mm	
TCT50U40G	40mm	

Model No.	Hole Diameter	Length(mm)
TCT50U41G	41mm	50mm
TCT50U42G	42mm	
TCT50U43G	43mm	
TCT50U44G	44mm	
TCT50U45G	45mm	
TCT50U46G	46mm	
TCT50U47G	47mm	
TCT50U48G	48mm	
TCT50U49G	49mm	
TCT50U50G	50mm	
TCT50U51G	51mm	
TCT50U52G	52mm	
TCT50U53G	53mm	
TCT50U54G	54mm	
TCT50U55G	55mm	
TCT50U56G	56mm	
TCT50U57G	57mm	
TCT50U58G	58mm	
TCT50U59G	59mm	
TCT50U60G	60mm	
TCT50U61G	61mm	50mm
TCT50U62G	62mm	
TCT50U63G	63mm	
TCT50U64G	64mm	
TCT50U65G	65mm	
TCT50U66G	66mm	
TCT50U67G	67mm	
TCT50U68G	68mm	
TCT50U69G	69mm	

Model No.	Hole Diameter	Length(mm)
TCT50U70G	70mm	50mm
TCT50U71G	71mm	
TCT50U72G	72mm	
TCT50U73G	73mm	
TCT50U74G	74mm	
TCT50U75G	75mm	
TCT50U76G	76mm	
TCT50U77G	77mm	
TCT50U78G	78mm	
TCT50U79G	79mm	
TCT50U80G	80mm	
TCT50U81G	81mm	
TCT50U82G	82mm	
TCT50U83G	83mm	
TCT50U84G	84mm	
TCT50U85G	85mm	
TCT50U86G	86mm	
TCT50U87G	87mm	
TCT50U88G	88mm	
TCT50U89G	89mm	
TCT50U90G	90mm	50mm
TCT50U91G	91mm	
TCT50U92G	92mm	
TCT50U93G	93mm	
TCT50U94G	94mm	
TCT50U95G	95mm	
TCT50U96G	96mm	
TCT50U97G	97mm	
TCT50U98G	98mm	



31.75mm
Welded Shank



19.05mm
Universal Shank



Model No.	Hole Diameter	Length(mm)
TCT50U99G	99mm	50mm
TCT50U100G	100mm	
TCT50U105G	105mm	
TCT50U110G	110mm	
TCT50U115G	115mm	
TCT50U120G	120mm	
TCT50U125G	125mm	
TCT50U130G	130mm	
TCT50U135G	135mm	
TCT50U140G	140mm	
TCT50U145G	145mm	50mm
TCT50U150G	150mm	

Needle Pin Accessory

Model No.	For range	For hole saw length	Application
TAC35-1213L	12-13L	35mm	Remove remainder after hole punching,
TAC35-1417L	14-17L		
TAC35-1860L	18-60L		
TAC50-1213L	12-13L	50mm	for below Dia. 60mm
TAC50-1417L	14-17L		
TAC50-1860L	18-60L		



Model No.: DR0115/ DR0125/ DR0130

Drum auger for cleaning household drains

Type: Hand operation/ Round-turning

Cable size: 1/4" x 15' (6mm*4.6M) ~DR0115

Cable size: 1/4" x 25' (6mm*7.6M) ~DR0125

Cable size: 1/4" x 30' (6mm*9.1M) ~DR0130

Cable material: PE

Weight: 0.67/ 1.17/ 1.42kgs

Carton packing: 6pcs



Model No.: DS0001

Drain cleaning stick kit

Stick length: 26" (66.04cm)

Dimension: 662*7*4mm

Weight: 0.12kgs

Inner box quantity: 24pcs



Model No.: DR0925

Drum auger for cleaning household drains

Type: Drill operation (500 RPM)

Cable size: 1/4" x 25' (6mm*7.6M)

Cable material: Coaxial plastic

Weight: 1.83kgs

Carton packing: 6pcs





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