













Special tools "C" shape forming pliers

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg		Notes
PNR 30D		145	3	1.02	18	C shape forming pliers. ESD safe handles.
PNG 5000D		150	3	1.02	18	C shape forming pliers. ESD safe handles.
PNR 5000D		150	3	1.02	18	cutting and C shape forming pliers. ESD safe handles.
PNR 5010D		150	3	1.02	18	it cuts & forms in a double opposite C shape the component wire in one step. ESD safe handles.
PTR 30 CD		150	3	1.02	18	C shape forming pliers which cuts the residual part at 3mm. ESD safe handles.
PTR 30 C/5D		150	3	1.02	18	C shape forming pliers which cuts the residual part at 4mm. ESD safe handles.


"U" shape forming pliers

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg		Notes
PPR 5000D		150	3	0.6-0.8	22-20	U shape forming pliers. ESD safe handles.
PPR 5001D		150	3	0.6-0.8	22-20	U shape forming pliers. ESD safe handles.
PPR 5002D		150	3	0.6-0.8	22-20	U shape forming pliers. ESD safe handles.
PPR 5003D		150	3	0.6-0.8	22-20	U shape forming pliers. ESD safe handles.












"90°" forming pliers

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg		Notes
PN 5040/90D		158	3	1.30	16	cutting and 90°shape forming pliers. ESD safe handles
PN 5040/7D		158	3	1.30	16	90°shape forming pliers. ESD safe handles.

"L" shape forming pliers

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg		Notes
PTR 30 LD		150	3	1.02	18	cutting and L shape forming pliers. ESD safe handles.

"TO" forming pliers

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg		Notes
PN 5050D		155	3	1.30	16	forming of the central lead of TO 220, 3.81mm pitch. ESD safe handles.
PN 5050/3D		158	3	1.30	16	forming of the central lead of TO247 & TO220, 5.08mm pitch. ESD safe handles.
PN 5050/14D		158	3	1.30	16	forming of the central lead of TO 220, 3.0mm pitch. ESD safe handles.
PN 5050/15D		158	3	1.30	16	forming of the central lead of TO 220, 2.54mm pitch. ESD safe handles.
PN 5050/04D		158	3	1.30	16	forming of side leads of TO 247 and TO220, 5.08mm pitch. ESD safe handles.
PN 5050/10D		158	3	1.30	16	forming of side leads of TO 220 and TO 247, 2.54mm pitch. ESD safe handles.
PN 5050/60D		158	3	1.30	16	forming of TO220 & TO247; side leads at 1.5 mm pitch and central lead at 3.5 mm pitch. ESD.
PN 5050/16D		158	3	1.30	16	forming of side leads of TO 247 and TO220, 3.81mm pitch. ESD safe handles.
PN 5050/19D		158	3	1.30	16	forming of 5 leads TO220; 1-3-5 leads at 4mm and 2-4 leads at 1.5mm. ESD safe handles.
PN 5050/38D		158	3	1.30	16	forming of 1-3-5 leads of TO220 at 3.0mm pitch (5 leads). ESD safe handles.
PN 5050/54D		158	3	1.30	16	forming of 1-3-5 leads of TO220 at 2.54mm pitch (5 leads). ESD safe handles.





PN 5050/36D		158	3	1.30	16	forming of 2-4 dei TO220 leads of TO220 at 3.0mm pitch (5 leads). ESD safe handles.
PN 5050/53D		158	3	1.30	16	forming of 2-4 dei TO220 leads of TO220 at 2.54mm pitch (5 leads). ESD safe handles.
PN 5050/6D		155	3	1.30	16	forming of TO 220 at 90° leaving longer of 2.54mm the central lead. ESD safe handles.
PN 5050/7D		155	3	1.30	16	forming of TO 220 at 90° leaving longer of 2.54mm the side leads. ESD safe handles.
PN 5050/17D		158	3	1.30	16	forming of TO 220 at 90° leaving longer the central lead by 3.81mm. ESD safe handles.
PN 5050/21D		155	3	1.30	16	forming of TO 220 at 90° leaving the 1-3-5 leads shorter of 2.54mm than 2-4 leads (5 leads). ESD
PN 5050/37D		158	3	1.30	16	forming of TO 220 at 90° leaving the 2-4 leads shorter of 2.54mm than 1-3-5 leads (5 leads). ESD
PN 5050/46D		158	3	1.30	16	forming of TO 220 (5 leads) at 90° leaving the 2-4 leads shorter of 3.81mm than 1-3-5 leads. ESD
PN 5050/47D		158	3	1.30	16	it forms TO 220 (7 leads) at 90°, leaves the 2-4-6 leads shorter of 2.54mm than 1-3-5 leads. ESD
PN 5050/49D		158	3	1.30	16	forming of the central lead of TO 92 at 2.54mm pitch. ESD safe handles.
PN 5050/25D		158	3	1.30	16	forming of the central lead of TO 92 at 1.27 mm pitch. ESD safe handles.

form & cut of small ICS

Order code	Tip	Lenght (mm)	cutting force (kg)	copper wire Ø mm awg		notes
PNI 5000D		150	3	0.80	20	cutting and forming pliers of small ICs. ESD safe handles.
PNI 5015D		155	5	0.64	22	clean cut at adjustable height from the surface of a leads row. ESD safe handles.

cut & press pliers

Order code	Tip	Lenght (mm)	cutting force (kg)	copper wire Ø mm awg		notes
TS 30D		138	9	1.02	18	cut and press pliers. ESD safe handles.

cut & bend pliers

Order code	Tip	Lenght (mm)	cutting force (kg)	copper wire Ø mm awg		notes
TP 30D		138	3	1.02	18	cut and bend pliers. ESD safe handles.
TP 5000/15D		147	3	1.02	18	cut and bend of the component fixing it on the circuit board. ESD safe handles.

pliers for seeger manipulation

Order code	Tip	Lenght (mm)	notes		
P1		155	tool for the application of straight seegers		
P2		155	tool for the application of straight seegers		
PP1		150	tool for the application of seegers; 90° nosetool		
PP2		150	for the application of seegers; 90° nose		
PN 5030		155	tool for the manipulation of seegers		

pliers for contacts insertion

Order code	Tip	Lenght (mm)	hrc	weight (gr)	notes
PPN 04 NB		170	46-48	115	pliers for the insertion of contacts in multipolar connectors; dimensions 16-18-20
PPN 05 NB		170	46-48	115	pliers for the insertion of contacts in multipolar connectors; dimensions 12-16
PPN 06 NB		170	46-48	115	pliers for the insertion of contacts in multipolar connectors; dimensions 20-22-26



pliers for pins separation

Order code	Tip	length (mm)	cutting force (kg)	Notes
PN 5050/5		152	3	pin separation tool

rounded nose pliers with cutting tip

Order code	Tip	length (mm)	cutting force (kg)	copper wire Ø mm awg	Notes
PN 5025 C		147	3	1.02 18	round nose pliers with cutting tip

pneumatic tools

Order code	Tip	max cutting force (kg)	copper wire Ø mm awg	plastic wire (mm)	Notes
TPP TP 6000		50	1.02 18	-	pneumatic cut and press tool
TPP TP 6000-15		70	1.02 18	-	pneumatic cut and bend tool
TPP TR 6000		90	1.60 14	-	pneumatic cutter; chamfered cut
TPP TR 6000 C		110	1.80 13	-	strong pneumatic cutter; chamfered cut
TPP TR 6000 A		90	1.60 14	-	pneumatic cutter with safety clip; chamfered cut
TPP TR 6000 R		90	1.60 14	-	pneumatic cutter; flush cut
TPP TR 6000 PR		90	1.30 16	-	pneumatic cutter; flush cut and pointed tip
TPP TM 6000		190	- -	7	pneumatic cutter; flush cut ideal for plastic wire
TPP TR 6000 V		80	1.30 16	-	pneumatic cutter; 60° bent nose, front flush cut
TPP TR 6000 (10-13-15)		90	1.60 14	-	pneumatic cutter; flush cut at different height
TPP TS 6000		80	1.30 16	-	pneumatic cut and press
Order code	Tip	max cutting force (kg)	copper wire Ø mm awg	iron wire (mm)	Notes
TPP TM 6000 R		190	2.60 10	2	pneumatic cutter; flush cut
TPP TM 6000 S		190	2.60 10	2	pneumatic cutter; chamfered cut

pin strip cut pliers

Order code	Notes
STR 50	Special tool for Pin Strip cut. Suitable for straight and angled Pin Strip.

pins aligners

Order code	Notes
SAL 01 SP	pins aligner with press for integrated MOS and CMOS from 4 to 64
SAL 01 NN	pins aligner without press for integrated MOS and CMOS from 4 to 64 pins

torque spanners

Order code	Notes
CHD 08 01	torque spanner for M8 nuts with torque setting of 1 Nm ±10%

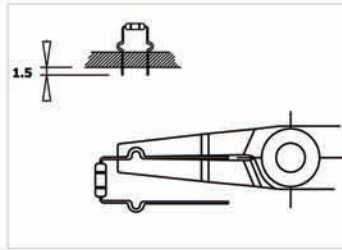


Special tools "C" shape forming pliers

PNR 30 D



PNR 30 D: Special forming tool that C shapes the component wire. Bent at 45°. Steel thickness 3mm. Tool length 145mm. ESD-safe handles.

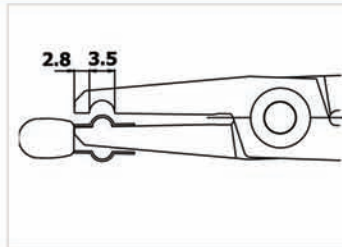


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNR 30 D	145	3	1.02	18

PNG 5000 D



PNG 5000 D: Special tool for the forming of components in a C shape. Its special radius enables components to be formed with no stress. Steel thickness 5mm. Tool length 150mm. ESD-safe handles

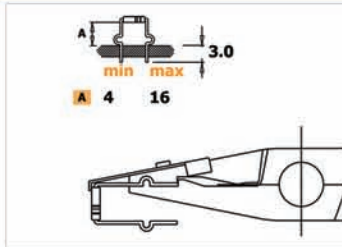


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNG 5000 D	150	3	1.02	18

PNR 5000 D



PNR 5000 D: A special tool that cuts and forms the component wire in one operation. Length setting is carried out by means of a sliding stop (A min 4 max 16). Steel thickness 5.0mm. Tool length 150mm. ESD-safe handles

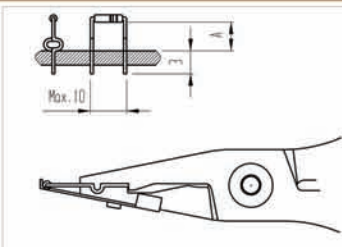


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNR 5000 D	150	3	1.02	18

PNR 5010 D



PNR 5010 D: Forming pliers that cuts and forms in a double opposite C shape the component wire in one operation. Length setting is carried out by means of a sliding stop (A min 4 max 16). Steel thickness 10mm. Tool length 150mm. ESD-safe handles

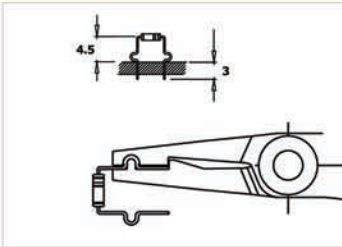


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNR 5010 D	150	3	1.02	18

PTR 30 C D



PTR 30 CD: Pliers which forms the component wire in a C shape and cuts off the residual part. Residual component lead's length 3mm. Steel thickness 3.0mm. Tool length 150mm. ESD-safe handles

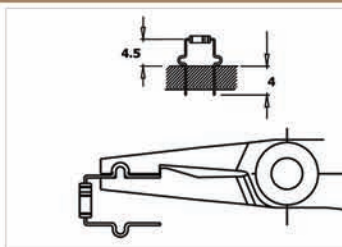


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PTR 30 CD	150	3	1.02	18

PTR 30 C/5D



PTR 30 C/5D: Pliers which forms the component wire in a C shape and cuts off the residual part. Residual component lead's length 4mm. Steel thickness 3.0mm. Tool length 150mm. ESD-safe handles



Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PTR 30 C/5D	150	3	1.02	18

Special tools "U" shape forming pliers



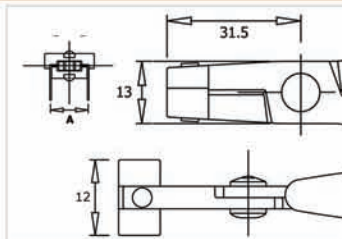
special tools

PPR 5000D



PPR 5000D: It forms the component wire in a U shape
A=7.62

ESD-safe handles.



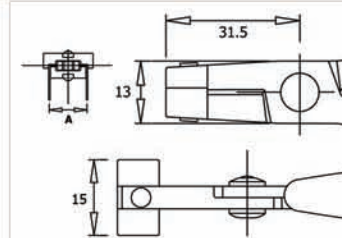
Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PPR 5000D	150	3	0.6-0.8	22-20

PPR 5001D



PPR 5001D: It forms the component wire in a U shape
A=10.16

ESD-safe handles.



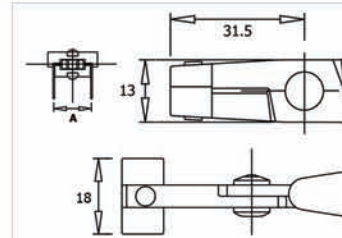
Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PPR 5001D	150	3	0.6-0.8	22-20

PPR 5002D



PPR 5002D: It forms the component wire in a U shape
A=12.70

ESD-safe handles.



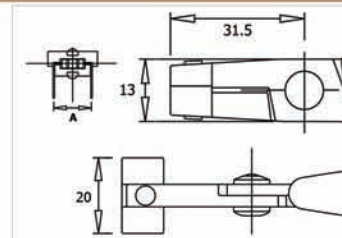
Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PPR 5002D	150	3	0.6-0.8	22-20

PPR 5003D



PPR 5003D: It forms the component wire in a U shape
A=15.24

ESD-safe handles.



Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PPR 5003D	150	3	0.6-0.8	22-20

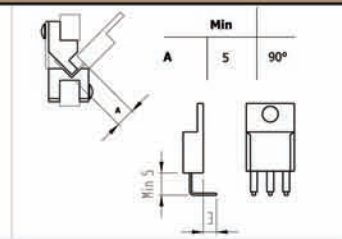
Special tools "90°" forming pliers

PN 5040/90D



PN 5040/90D: Special pliers which cuts and forms the component wire at 90° in one step. It is possible to adjust the length by means of a sliding stop. Steel thickness 5.0mm. Tool length 158mm.

ESD-safe handles.

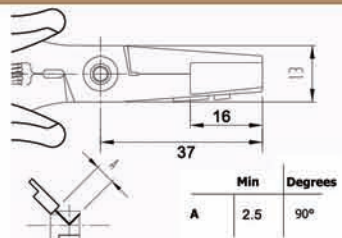


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5040/90D	158	3	1.30	16

PN 5040/7D



PN 5040/7D: Special pliers which forms the component wire at 90°. With adjustable stop to adjust the forming distance (A). Max forming width 16mm to allow TO220 and TO247 forming components. This item combines both PN5040 and PN5040/5 articles. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5040/7D	158	3	1.30	16

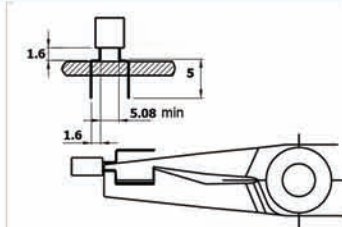


Special tools "L" shape forming pliers

PTR 30 LD



PTR 30 LD: Tool that forms the component wire in a L shape and cuts off the residual part. Steel thickness 3.0mm. Tool length 150 mm. ESD-safe handles



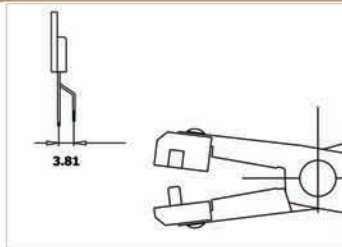
Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PTR 30 LD	150	3	1.02	18

Special tools "TO" forming pliers

PN 5050D



PN 5050D: Special tool for the forming of central lead of TO 220 with 3.81mm pitch. Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

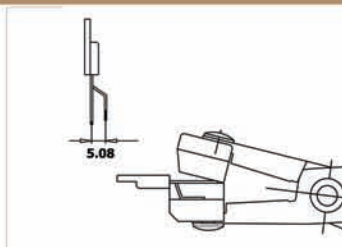


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050D	155	3	1.30	16

PN 5050/3D



PN 5050/3D: Special tool for the forming of central lead of TO 247 and TO 220, 5.08mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

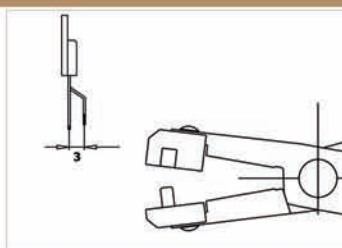


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/3D	158	3	1.30	16

PN 5050/14D



PN 5050/14D: Special tool for the forming of central lead of TO 220, 3.0 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

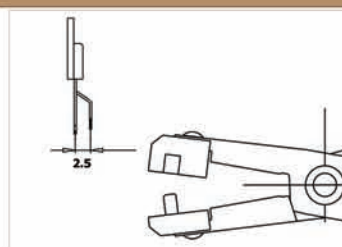


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/14D	158	3	1.30	16

PN 5050/15D



PN 5050/15D: Special tool for the forming of central lead of TO 220, 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



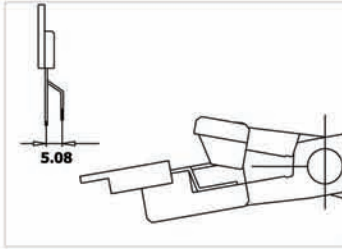
Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/15D	158	3	1.30	16



PN 5050/04D



PN 5050/04D: Special tool for the forming of side leads of TO 247 and of TO220, 5.08mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

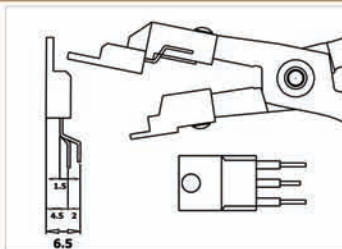


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/04D	158	3	1.30	16

PN 5050/60D



PN 5050/60D: Special pliers designed to form the TO-220 and the TO-247 leads. It forms the side leads at 1.5mm pitch and the centre lead at 3.5mm. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

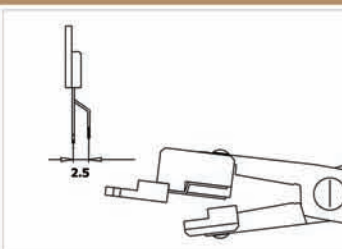


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/60D	158	3	1.30	16

PN 5050/10D



PN 5050/10D: Special pliers designed to form the two TO220 and TO 247 side leads at 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

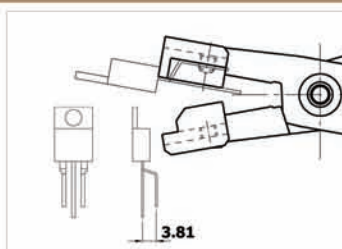


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/10D	158	3	1.30	16

PN 5050/16D



PN 5050/16D: Special pliers designed to form the TO 247 and TO220 side leads at 3.81mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

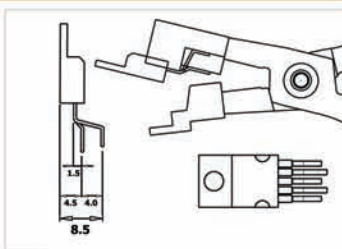


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/16D	158	3	1.30	16

PN 5050/19D



PN 5050/19D: Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads at 4mm pitch and the 2-4 leads at 1.5mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

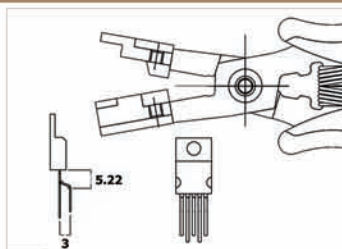


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/19D	158	3	1.30	16

PN 5050/38D



PN 5050/38D: Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads at 3mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



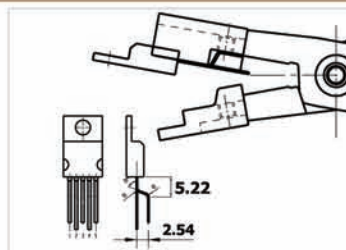
Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/38D	158	3	1.30	16



PN 5050/54D



PN 5050/54D: Special tool designed to form TO220 component (5 leads). It forms 1-3-5 leads at 2.54 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

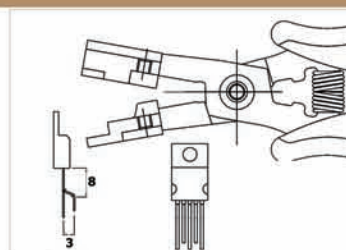


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/54D	158	3	1.30	16

PN 5050/36D



PN 5050/36D: Special tool designed to form TO220 component (5 leads). It forms 2-4 leads at 3 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

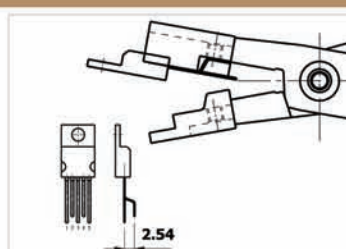


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/36D	158	3	1.30	16

PN 5050/53D



PN 5050/53D: Special tool designed to form TO220 component (5 leads). It forms 2-4 leads at 2.54 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

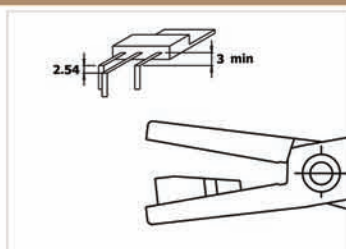


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/53D	158	3	1.30	16

PN 5050/6D



PN 5050/6D: Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 2.54mm longer than the side leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

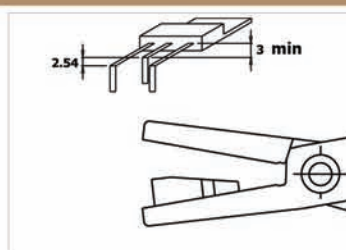


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/6D	155	3	1.30	16

PN 5050/7D



PN 5050/7D: Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 2.54mm shorter than the side leads. It is possible to adjust the distance by a sliding foil (min 3 mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

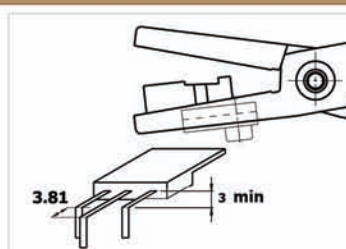


Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/7D	155	3	1.30	16

PN 5050/17D



PN 5050/17D: Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 3.81mm longer than the side leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.5mm. Tool length 158mm. ESD-safe handles.



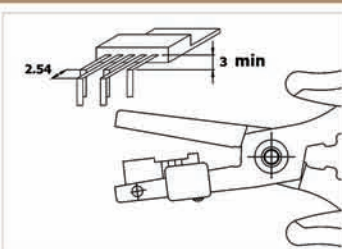
Order code	Length (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/17D	158	3	1.30	16



PN 5050/21D



PN 5050/21D: Special pliers that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 1-3-5 leads will be 2.54mm shorter than 2-4 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

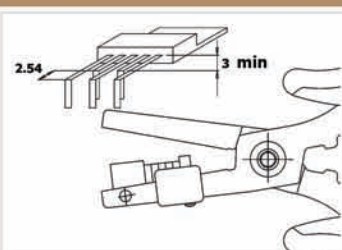


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/21D	155	3	1.30	16

PN 5050/37D



PN 5050/37D: Special tool that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4 leads will be 2.54 mm shorter than 1-3-5 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

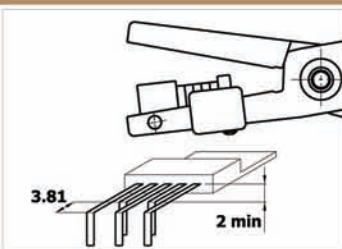


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/37D	158	3	1.30	16

PN 5050/46D



PN 5050/46: Special tool that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4 leads will be 3.81 mm shorter than 1-3-5 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.5mm. Tool length 158mm. ESD-safe handles.

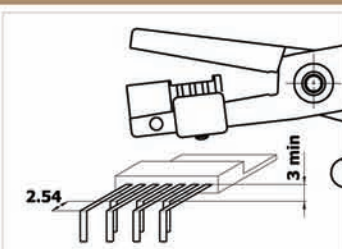


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/46D	158	3	1.30	16

PN 5050/47D



PN 5050/47D: Special tool that enables TO220 component leads (7 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4- 6 leads will be 2.54 mm shorter than 1-3-5-7. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

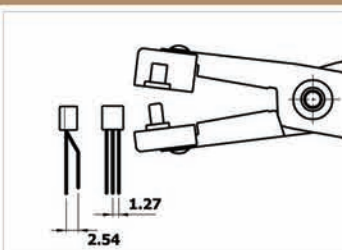


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/47D	158	3	1.30	16

PN 5050/49D



PN 5050/49D: Special pliers designed to form the central lead of TO 92 with 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

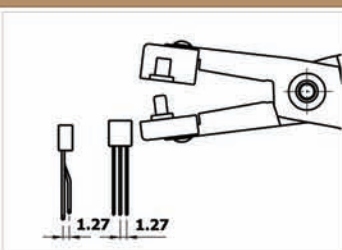


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/49D	158	3	1.30	16

PN 5050/25D



PN 5050/25D: Special pliers designed to form the central lead of TO 92 with 1.27mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



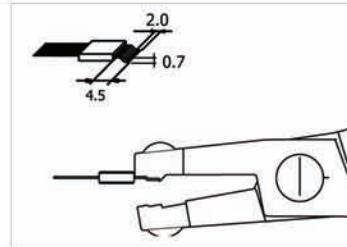
Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5050/25D	158	3	1.30	16

Special tools *cut of small ICs pliers*

PNI 5000D



PNI 5000D: Special pliers which forms and cuts the IC pins in one operation. Steel thickness 5mm. Tool length 150mm. ESD-safe handles.

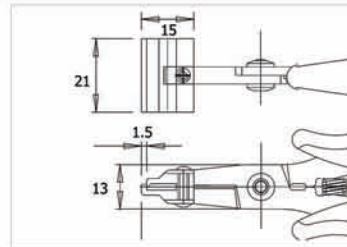


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNI 5000D	150	3	0.80	20

PNI 5015D



PNI 5015D: Special tool for a clean and flush cut at adjustable height from the surface of a pins line. It is possible to adjust the distance by a sliding foil (min. 1,5-max.10 mm). Steel thickness 5mm. Tool length 155mm. ESD-safe handles.



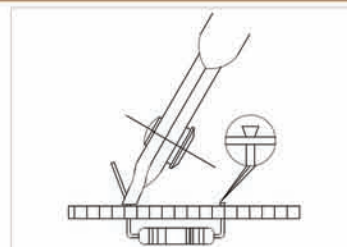
Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PNI 5015D	155	5	0.64	22

Special tools *cut & press pliers*

TS 30D



TS 30D: A special tool that cuts and presses the component wire against the PCB in one operation. Steel thickness 3mm. Tool length 138mm. ESD-safe handles.



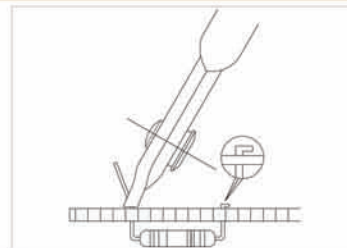
Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TS 30D	138	9	1.02	18

Special tools *cut & bend pliers*

TP 30D



TP 30D: A special tool that cuts and bends the component wire against the PCB in one operation. Steel thickness 3mm. Tool length 138mm. ESD-safe handles.

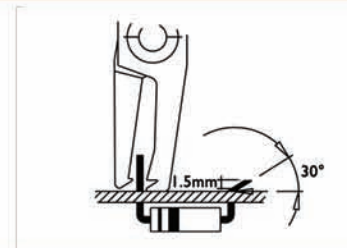


Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TP 30D	138	3	1.02	18

TP 5000/15D



TP 5000/15D: Special tool for end cutting, ideal when needed to access in dense areas of PCBs. It cuts and bends the component lead in one operation, fixing it to the circuit board. Steel thickness 5mm. Tool length 147mm. ESD-safe handles.



Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TP 5000/15D	147	3	1.02	18

Special tools *pliers for seeger manipulation*

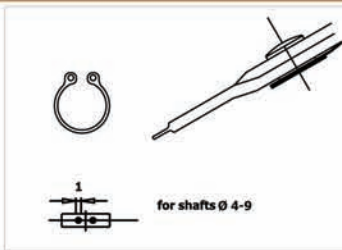


special tools

P1



P1: Seeger ring pliers to fit and remove circlips and seeger rings from shafts. For shaft \varnothing 4-9. Steel thickness 2.5mm. Tool length 155mm. ESD-safe handles version available

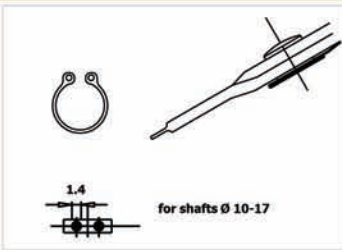


Order code	ESD Order code	Length (mm)	For shafts (\varnothing mm)	Tip diameter (\varnothing mm)
P1	P1 D	155	4-9	1.0

P2



P2: Seeger ring pliers to fit and remove circlips and seeger rings from shafts. For shaft \varnothing 10-17. Steel thickness 2.5mm. Tool length 155mm. ESD-safe handles version available

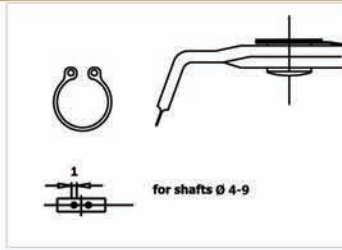


Order code	ESD Order code	Length (mm)	For shafts (\varnothing mm)	Tip diameter (\varnothing mm)
P2	P2 D	155	10-17	1.4

PP1



PP1: Seeger ring pliers to fit and remove circlips and seeger rings from shafts. 90° angled nose. For shaft \varnothing 4-9. Steel thickness 2.5mm. Tool length 150mm. ESD-safe handles version available

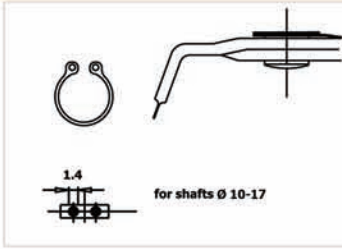


Order code	ESD Order code	Length (mm)	For shafts (\varnothing mm)	Tip diameter (\varnothing mm)
PP1	PP1 D	150	4-9	1.0

PP2



PP2: Seeger ring pliers to fit and remove circlips and seeger rings from shafts. 90° angled nose. For shaft \varnothing 10-17. Steel thickness 2.5mm. Tool length 150mm. ESD-safe handles version available

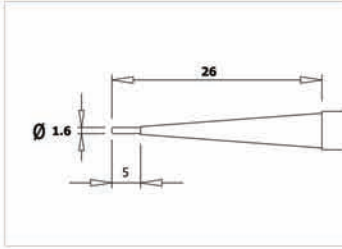


Order code	ESD Order code	Length (mm)	For shafts (\varnothing mm)	Tip diameter (\varnothing mm)
PP2	PP2 D	150	10-17	1.4

PN 5030



PN 5030: Pliers for the removal or insertion of internal seeger rings. For shafts \varnothing 14-30mm. Steel thickness 5mm. Tool length 155mm. ESD-safe handles version available



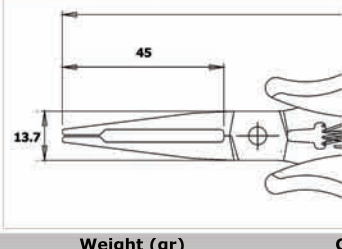
Order code	ESD Order code	Length (mm)	For shafts (\varnothing mm)	Tip diameter (\varnothing mm)
PN 5030	PN 5030 D	155	14-30	1.6

Special tools *pliers for contact insertion*

PPN 04 NB



PPN 04 NB: Special tool for the insertion of contacts into multi-polar connectors. The ergonomic grip is curved on the bottom to make easier the insertion push. Contact dimension: 16-18-20. Tool length 170mm. ESD-safe handles version available

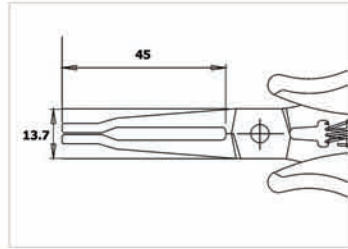


Order code	ESD Order code	Length (mm)	Weight (gr)	Contacts dimensions (\varnothing mm)
PPN 04 NB	PPN 04 NB D	170	115	16-18-20

PPN 05 NB



PPN 05 NB: Special tool for the insertion of contacts into multi-polar connectors. The ergonomic grip is curved on the bottom to make easier the insertion push.
Contact dimension: 12-16
Tool length 170mm
ESD-safe handles version available

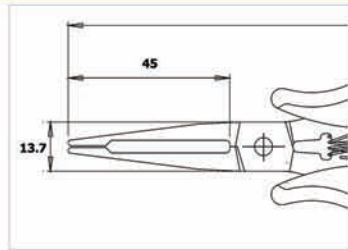


Order code	ESD Order code	Lenght (mm)	Weight (gr)	Contacts dimensions (Ø mm)
PPN 05 NB	PPN 05 NB D	170	115	12-16

PPN 06 NB



PPN 06 NB: Special tool for the insertion of contacts into multi-polar connectors. The ergonomic grip is curved on the bottom to make easier the insertion push.
Contact dimension: 20-22-26
Tool length 170mm
ESD-safe handles version available



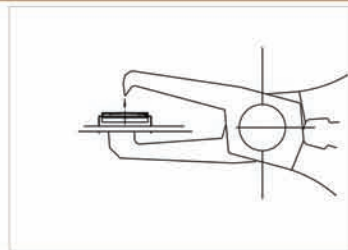
Order code	ESD Order code	Lenght (mm)	Weight (gr)	Contacts dimensions (Ø mm)
PPN 06 NB	PPN 06 NB D	170	115	20-22-26

Special tools *pliers for pins separation*

PN 5050/5



PN 5050/5: Special tool for the separation of pins (Jumper) in DIP (Dual In Line package).
Steel thickness 5mm. Tool length 152mm
ESD-safe handles version available



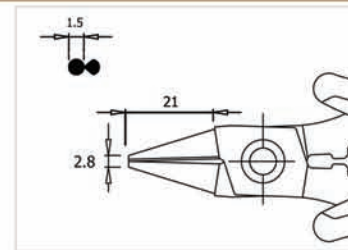
Order code	ESD Order code	Lenght (mm)	Weight (gr)	Cutting force (kg)
PN 5050/5	PN 5050/5 D	152	100	3

Special tools *rounded nose pliers with cutting tip*

PN 5025 C



PN 5025 C: Pliers with rounded nose and cutting tip. Used for the electronics but also ideal for making rosaries (with the same pliers it is possible to make loops and bends and to cut wire). Great for chain assembly.
Induction treatment on tips. Steel thickness 5mm.
ESD-safe handles version available



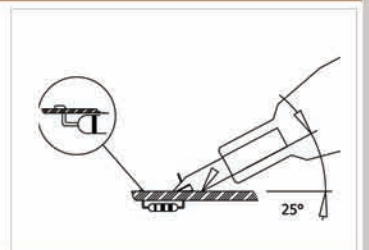
Order code	ESD Order code	Lenght (mm)	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
PN 5025 C	PN 5025 C D	147	3	1.02	18

Special tools *pneumatic tools*

TPP TP 6000



TPP TP 6000: Pneumatic cutting and bending tool which blocks the component to the PCB.
Different blades available on request.



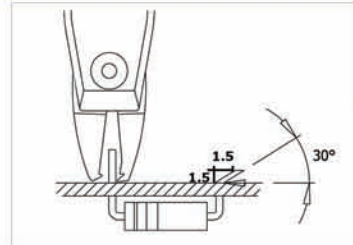
Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TP 6000	50	1.02	18	-



TPP TP 6000-15



TPP TP 6000-15: Pneumatic cutting and bending tool which blocks the component to the PCB. Similar to TPP-TP-6000 but with a different head shape, ideal for working in difficult to reach areas. Different blades available on request

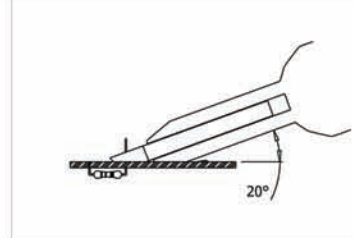


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TP 6000-15	70	1.02	18	-

TPP TR 6000



TPP TR 6000: Pneumatic chamfered cutting tool. Different blades available on request.

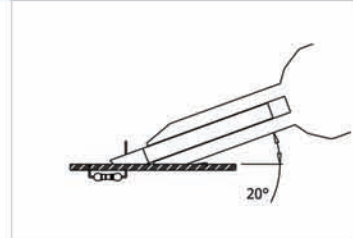


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000	90	1.60	14	-

TPP TR 6000 C



TPP TR 6000 C: Pneumatic chamfered cutting tool. Short and strong blades. Different blades available on request.



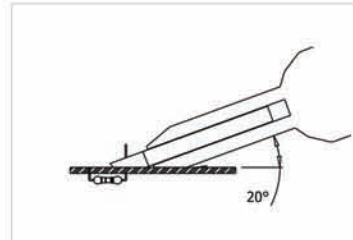
Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 C	110	1.80	13	-

TPP TR 6000 A



TPP TR 6000 A: Pneumatic chamfered cutting tool. Safety clip included. Different blades available on request.

ESD-safe handles version available

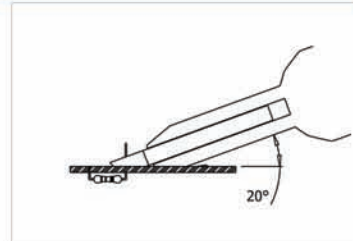


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 A	90	1.60	14	-

TPP TR 6000 R



TPP TR 6000 R: Pneumatic flush cutting tool. Different blades available on request.

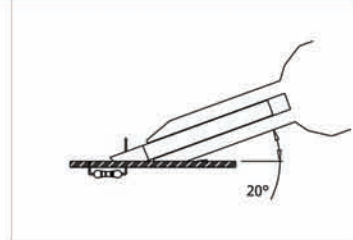


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 R	90	1.60	14	-

TPP TR 6000 PR



TPP TR 6000 PR: Pneumatic flush cutting tool with pointed tips. Different blades available on request.



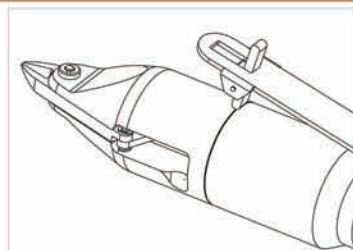
Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 PR	90	1.30	16	-



TPP TM 6000



TPP TM 6000: pneumatic cutter; flush cut ideal for plastic wire
Different blades available on request.

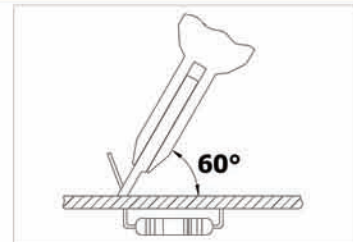


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TM 6000	190	-	-	7

TPP TR 6000 V



TPP TR 6000 V: Pneumatic tool. Flush front cut 60° angled. It allows to work in difficult to reach areas
Different blades available on request.



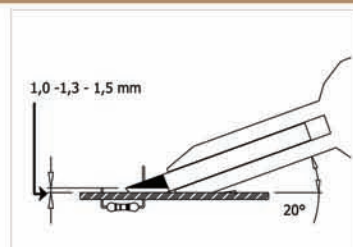
Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 V	80	1.30	16	-

TPP TR 6000 (10-13-15)



TPP TR 6000 (10-13-15): Pneumatic flush cutting tool at different height from the surface.

- available blades:
TPP TR 6000 10: 1.0mm height from the surface.
TPP TR 6000 13: 1.3mm height from the surface.
TPP TR 6000 15: 1.5mm height from the surface.

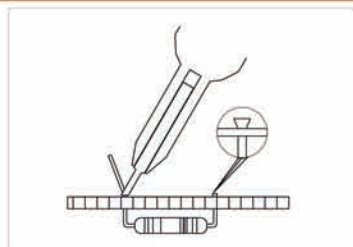


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TR 6000 (10-13-15)	90	1.60	14	-

TPP TS 6000



TPP TS 6000: Cut and press pneumatic tool which blocks the component on the circuit board.
Different blades available on request.

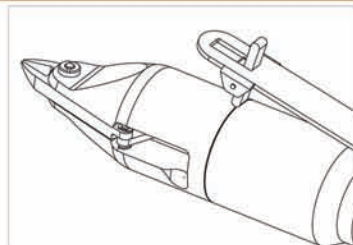


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Plastic wire (mm)
TPP TS 6000	80	1.30	16	-

TPP TM 6000 R



TPP TM 6000 R: Pneumatic strong flush cutting tool with safety lever.
Different blades available on request

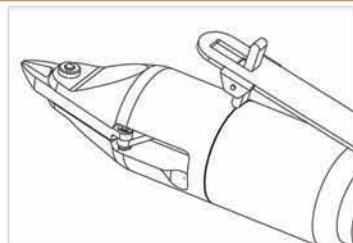


Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Iron wire (mm)
TPP TM 6000 R	190	2.60	10	2

TPP TM 6000 S



TPP TM 6000 S: Pneumatic strong chamfered cutting tool with safety lever.
Different blades available on request.



Order code	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)	Iron wire (mm)
TPP TM 6000 S	190	2.60	10	2

Special tools *pin strip cut pliers*

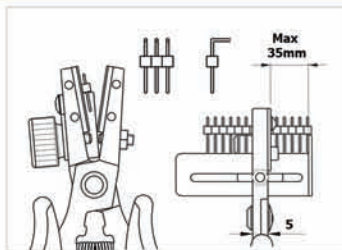


special tools

STR 50



STR 50: Special tool designed to cut both straight and angled PIN STRIP. The adjustable blade allows to set different strip pitch (min. 3 mm - max. 35 mm). Cutting blade for angled pin strip included. It is possible to customize the adjustable blade's length. Steel thickness 5mm. ESD-safe handles version available



Order code	ESD Order code	Length (mm)	Cutting force (kg)	Weight (gr)	Pitch adjustment (mm)
STR 50	STR 50 D	150	6	100	min 3 - max 35

STR 50 K



STR 50 K: Kit for STR 50. The STR50 if requested can be supplied together with a special kit useful for the general replacement of all parts subject at wear.

Notes:

Inside the kit: Adjustable blade; Fixed blade; Knob; Cutting blade; Fixing screw; Screwdriver; Plastic tool for blade adjustment;



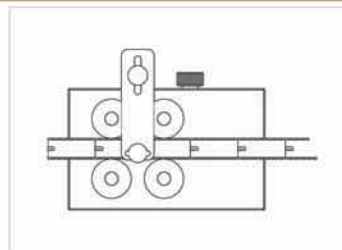
Special tools *pins aligners*

SAL 01 SP



SAL 01 SP: Pins aligner with press for integrated MOS and CMOS from 4 to 64 pins

pins width (0.3" a 0.6") - (7,6 - 15,2 mm)

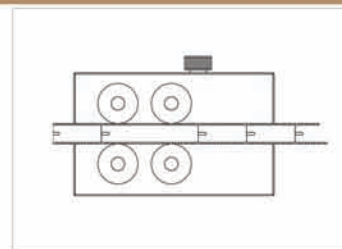


SAL 01 NN



SAL 01 NN: Pins aligner without press for integrated MOS and CMOS from 4 to 64 pins

pins width (0.3" a 0.6") - (7,6 - 15,2 mm)



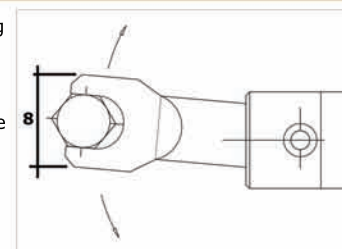
Special tools *torque spanner*

CHD 08 01



CHD 08 01: Torque spanner for hexagonal nuts with torque setting of 1 Nm \pm 10%.

Different tightening torques to those shown in the catalogue can be supplied.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Pliers & Tweezers](#) category:

Click to view products by [Piergiacomini](#) manufacturer:

Other Similar products are found below :

[0031](#) [32750](#) [PN-5050/38D](#) [PG-TP-30D](#) [PG-DP-18-N](#) [G77015](#) [4-1532129-2](#) [77 12 115](#) [0037](#) [T0058765801](#) [571](#) [76C](#) [37 31 125](#) [RX 8130](#)
[37 33 125](#) [DRP10N](#) [32 11 135](#) [36 12 130](#) [0036](#) [64 11 115](#) [0032](#) [T3627B 7](#) [HT-109](#) [6211-06](#) [6214-45](#) [6217-05](#) [6231-07](#) [6231-08](#) [6411-06](#)
[DP15N](#) [DP20N](#) [PN 5050/19D](#) [PNI 5000](#) [TP 5000/15D](#) [TR 20 M](#) [TR 25 15](#) [TR 25 P A](#) [TR 5000](#) [TR 5000 10 D](#) [TR 5000 PG](#) [TR 5000 PR](#)
[TR 58 R A D](#) [TR 58 R A](#) [43333](#) [102ACAX](#) [103ACA](#) [141SAP](#) [150SAD](#) [150SAMB](#) [151SA](#)