

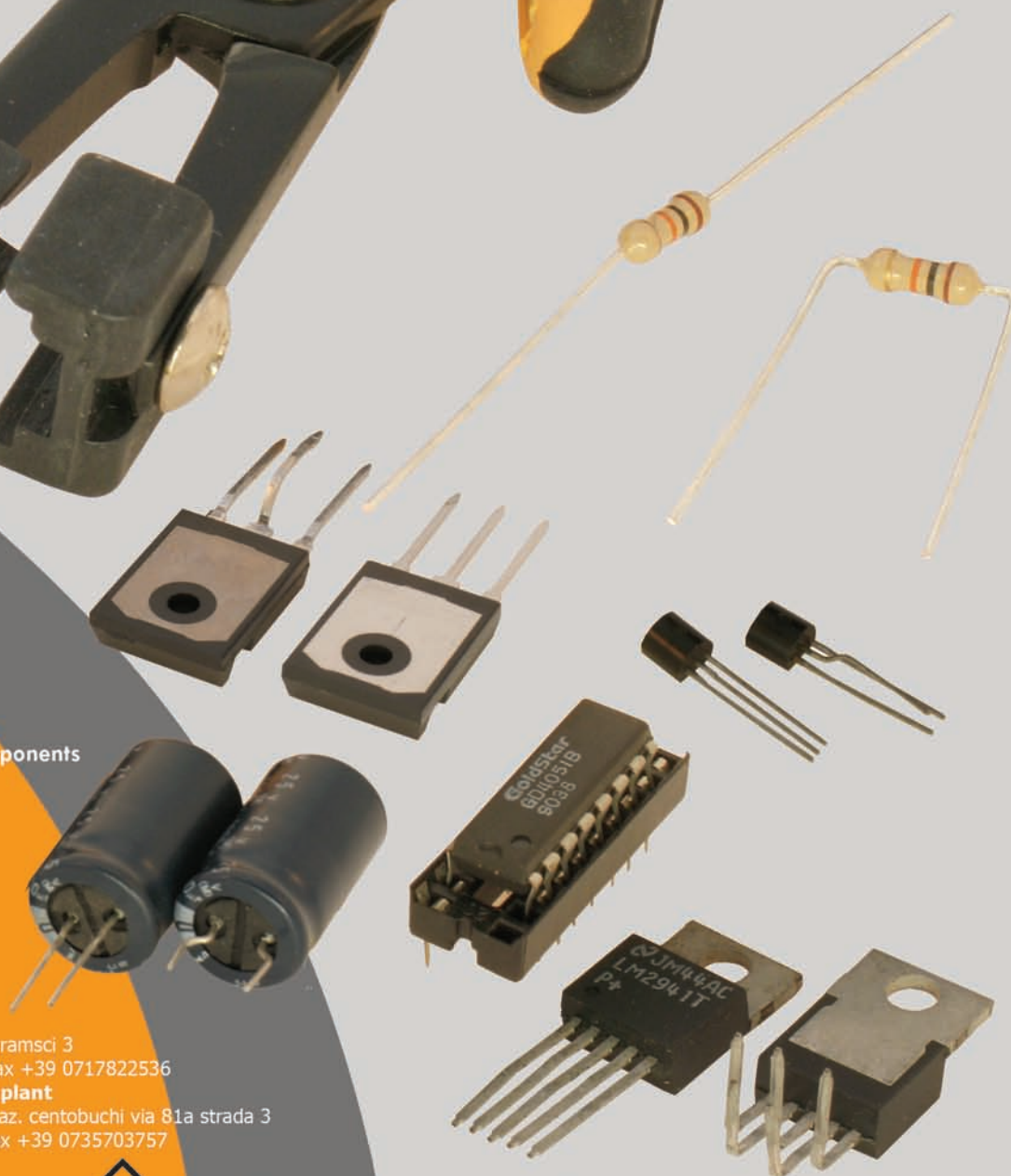
# Piergiacomini hand tools

-forming pliers-

[www.piergiacomini.com](http://www.piergiacomini.com)



C forming pliers  
L forming pliers  
U forming pliers  
90° forming pliers  
TO components forming pliers  
cut & form pliers for small components  
cut & press pliers  
cut & bend pliers



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**PIERGIACOMINI**  
QUALITY HAND TOOLS

## PNR 30

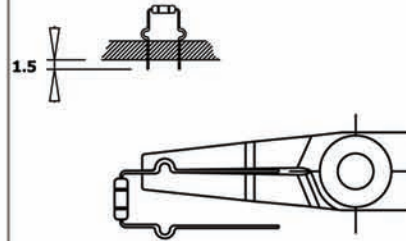
# "C" SHAPE FORMING PLIERS



Forming pliers that C shapes the component wire. Bent at 45°.

ESD-safe handles version available (order code PNR 30 D).  
Steel thickness 3.0mm.  
Tool length 145mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



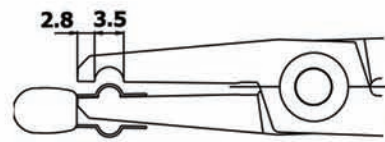
## PNG 5000



Forming pliers that C shapes the component wire.

ESD-safe handles version available (order code PNG 5000 D).  
Steel thickness 5.0mm.  
Tool length 150mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



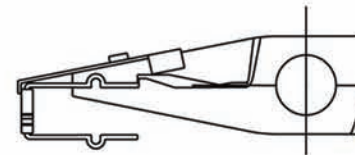
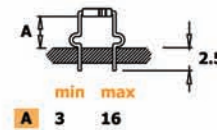
## PNR 5000



Forming pliers that cuts and C forms the component wire in one operation. Length setting is carried out by means of a sliding stop (A min 3 max 16).

ESD-safe handles version available (order code PNR 5000 D).  
Steel thickness 5.0mm.  
Tool length 150mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



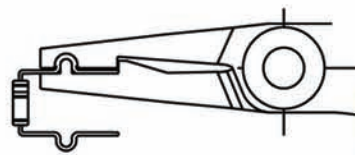
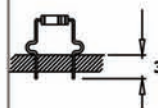
## PTR 30 C



Pliers which forms the component wire in a C shape and cuts off the residual part. Residual component lead's length 3mm.

ESD-safe handles version available (order code PTR 30 C D).  
Steel thickness 3.0mm.  
Tool length 150mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



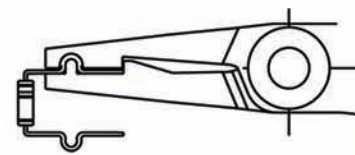
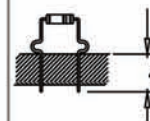
## PTR 30 C/5



Pliers which forms the component wire in a C shape and cuts off the residual part. Residual component lead's length 4mm.

ESD-safe handles version available (order code PTR 30 C/5 D).  
Steel thickness 3.0mm.  
Tool length 150mm.

cutting force kg	copper wire Ømm	copper wire awg
5.5	1.30	16





## PTR 30 L

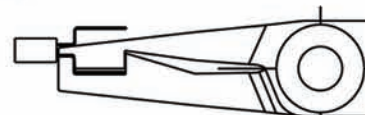
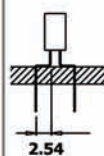
# "L" SHAPE FORMING PLIERS



Tool that forms the component wire in a L shape and cuts off the residual part.

ESD-safe handles version available (order code PTR 30 L D).  
Steel thickness 3.0mm.  
Tool length 145 mm.

cutting force kg	copper wire Ø mm	copper wire awg
3	1.02	18



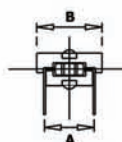
## PPR 5001

# "U" SHAPE FORMING PLIERS



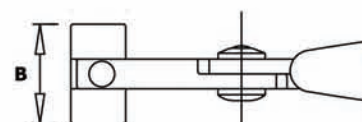
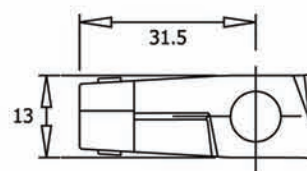
**PPR 5001**  
Pre-forms the component wire in a U shape

A=10.16  
B=15



ESD-safe handles version available (order code PPR 5001 D).

cutting force kg	copper wire Ø mm	copper wire awg
3	0.6-0.8	22-20

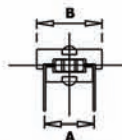


## PPR 5002



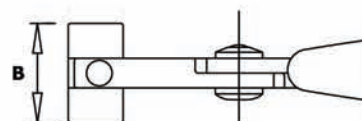
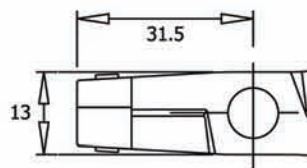
**PPR 5002**  
Pre-forms the component wire in a U shape

A=12.70  
B=18



ESD-safe handles version available (order code PPR 5002 D).

cutting force kg	copper wire Ø mm	copper wire awg
3	0.6-0.8	22-20

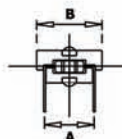


## PPR 5003



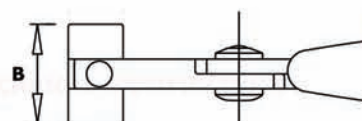
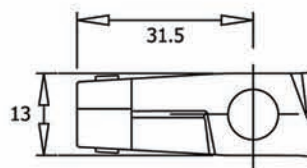
**PPR 5003**  
It forms the component wire in a U shape

A=15.24  
B=20



ESD-safe handles version available (order code PPR 5003 D).

cutting force kg	copper wire Ø mm	copper wire awg
3	0.6-0.8	22-20



## PN 5040

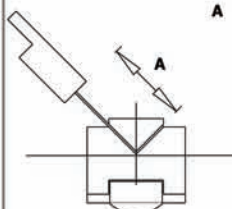
# "90°" SHAPE FORMING PLIERS



It forms the component wire at a 90° angle.

ESD-safe handles version available (order code PN 5040 D).  
Steel thickness 5.0mm.

cutting force kg	copper wire Ø mm	copper wire awg
3	1.30	16



	Min	Degrees
A	5	90°



# "TO" SHAPE FORMING PLIERS

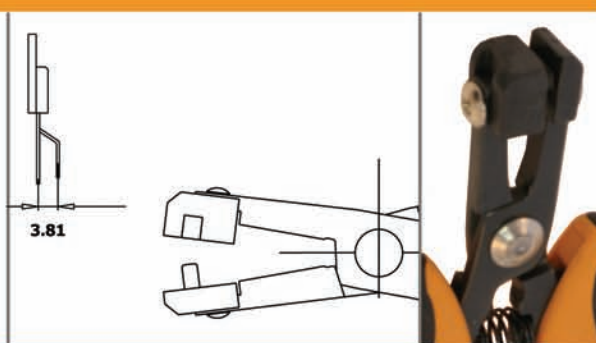
## PN 5050



Special pliers designed to form the central lead of TO 220 with 3.81mm pitch.

ESD-safe handles version available (order code PN 5050 D).  
Steel thickness 5.0mm.  
Tool length 155mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



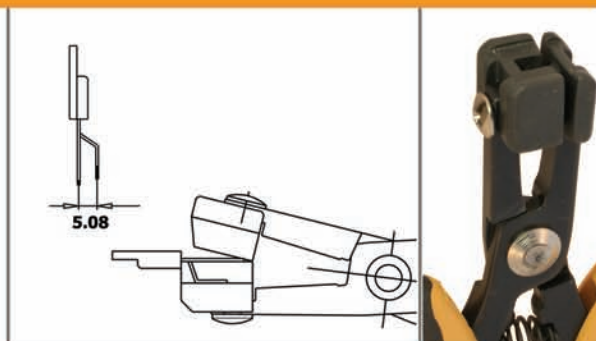
## PN5050/3



Special pliers designed to form the centre lead of TO 247 and TO 220 with 5.08mm pitch.

ESD-safe handles version available (order code PN 5050/3 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



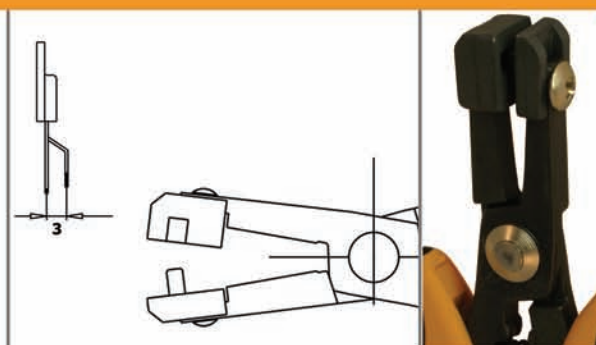
## PN5050/14



Special pliers designed to form the centre lead of TO 220 with 3.0mm pitch.

ESD-safe handles version available (order code PN 5050/14 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



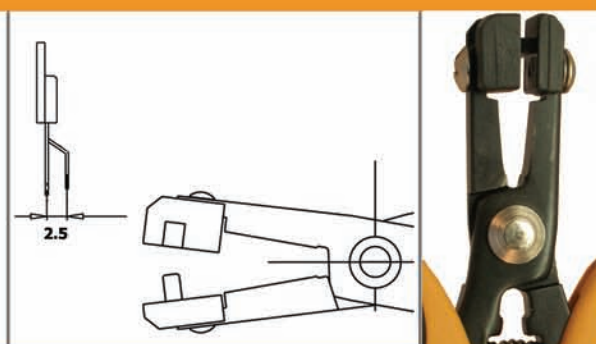
## PN5050/15



Special pliers designed to form the centre lead of TO 220 with 2.54mm pitch.

ESD-safe handles version available (order code PN 5050/15 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



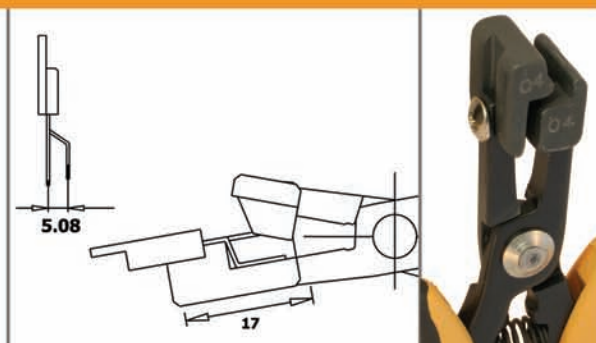
## PN5050/04



Special pliers designed to form the side leads of TO 247 and TO 220 with 5.08mm pitch.

ESD-safe handles version available (order code PN 5050/04 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16





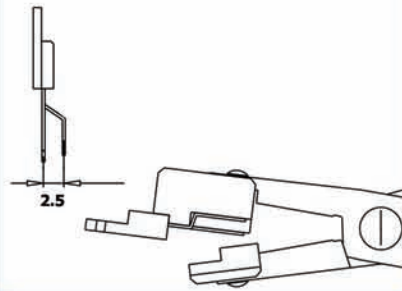
## PN 5050/10



Special pliers designed to form the side leads of TO 220 with 2.54mm pitch.

ESD-safe handles version available (order code PN 5050/10 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



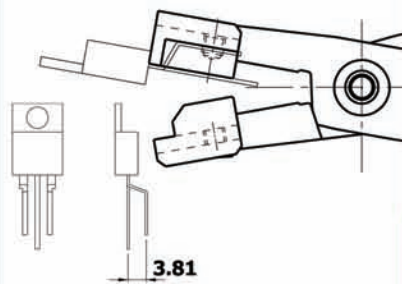
## PN 5050/16



Special pliers designed to form the centre lead of TO 220 and TO 247 with 3.81mm pitch.

ESD-safe handles version available (order code PN 5050/16 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



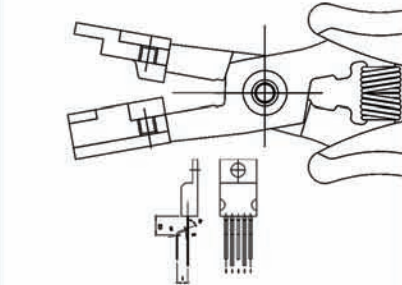
## PN 5050/38



Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads, 3mm pitch.

ESD-safe handles version available (order code PN 5050/38 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



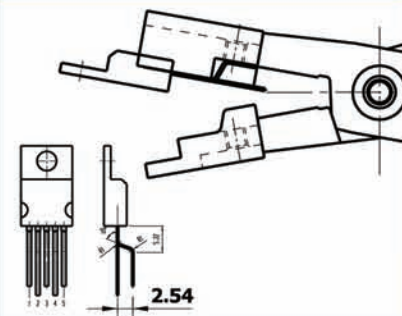
## PN 5050/54



Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads, 2.54mm pitch.

ESD-safe handles version available (order code PN 5050/54 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



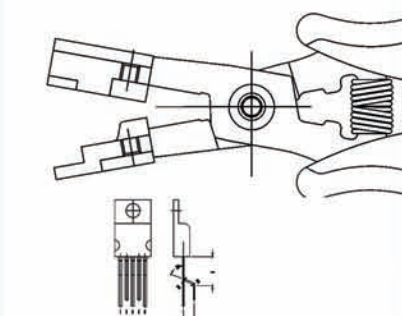
## PN 5050/36



Special pliers designed to form the TO220 (5 leads). It forms leads 2-4, 3mm pitch.

ESD-safe handles version available (order code PN 5050/36 D).  
Steel thickness 5.0mm.  
Tool length 158mm

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16





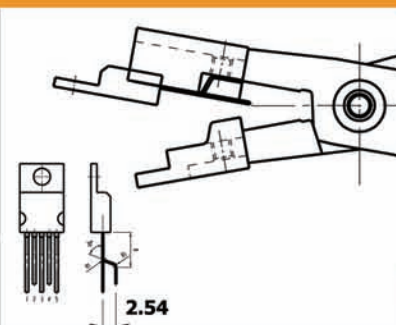
## PN 5050/53



Special pliers designed to form the TO220 (5 leads). It forms leads 2-4, 2.54mm pitch.

ESD-safe handles version available (order code PN 5050/53 D).  
Steel thickness 5.0mm.  
Tool length 158mm

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



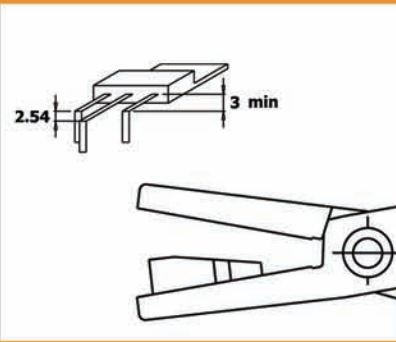
## PN 5050/6



Special pliers that enables TO220 component leads to be bent at a 90°angle in a single operation, in such a way that the centre lead will be 2.54mm longer than the side leads.

ESD-safe handles version available (order code PN 5050/6 D).  
Steel thickness 5.0mm.  
Tool length 155mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



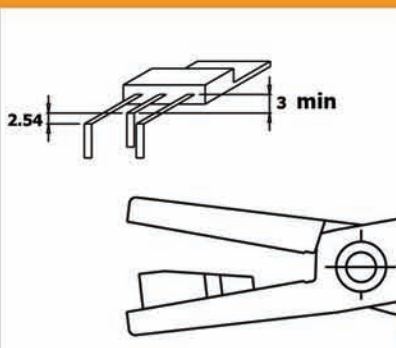
## PN 5050/7



Special pliers that enables TO220 component leads to be bent at a 90°angle in a single operation, in such a way that the centre lead will be 2.54mm shorter than the side leads.

ESD-safe handles version available (order code PN 5050/7 D).  
Steel thickness 5.0mm.  
Tool length 155mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



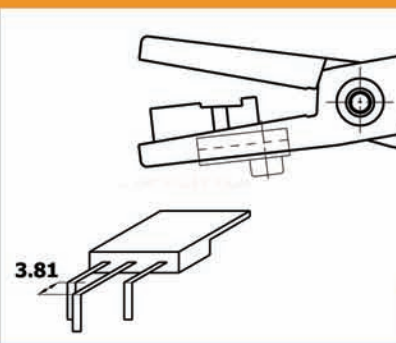
## PN 5050/17



Special pliers that enables TO220 component leads to be bent at a 90°angle in a single operation, in such a way that the centre lead will be 3.81mm longer than the side leads.

ESD-safe handles version available (order code PN 5050/17 D).  
Steel thickness 5.0mm.  
Tool length 158mm

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



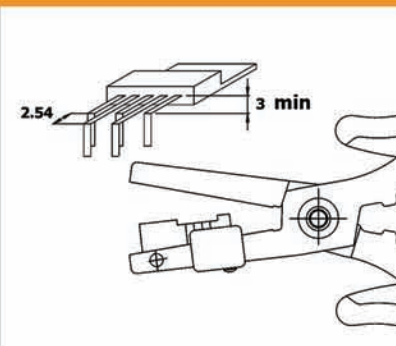
## PN 5050/21



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.

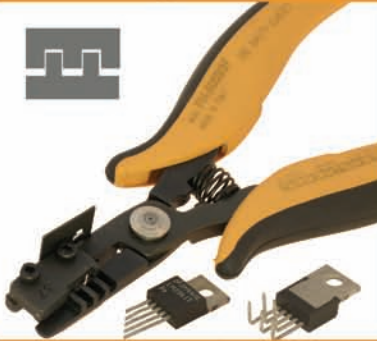
ESD-safe handles version available (order code PN 5050/21 D).  
Steel thickness 5.0mm.  
Tool length 155mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16





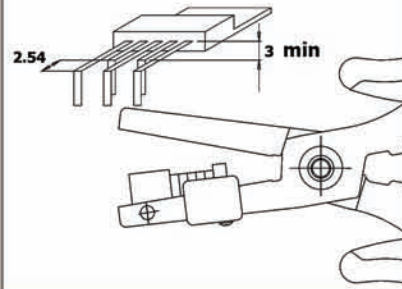
## PN 5050/37



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.

ESD-safe handles version available (order code PN 5050/37 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



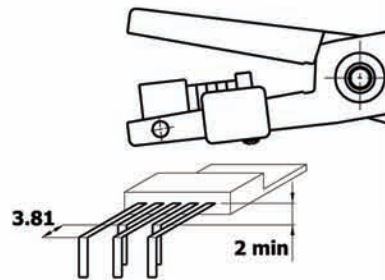
## PN 5050/46



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.

ESD-safe handles version available (order code PN 5050/46 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



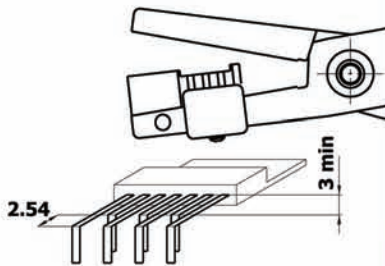
## PN 5050/47



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.

ESD-safe handles version available (order code PN 5050/47 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



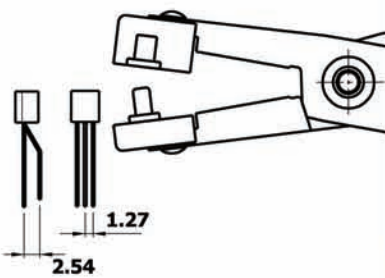
## PN5050/49



Special pliers designed to form the centre lead of TO 92 with 2.54mm pitch.

ESD-safe handles version available (order code PN 5050/49 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16



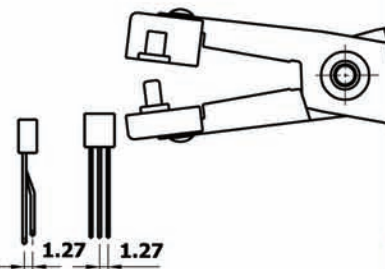
## PN5050/25



Special pliers designed to form the centre lead of TO 092 with 1.27mm pitch.

ESD-safe handles version available (order code PN 5050/25 D).  
Steel thickness 5.0mm.  
Tool length 158mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.30	16





# “CUT & FORM” SMALL COMPONENTS

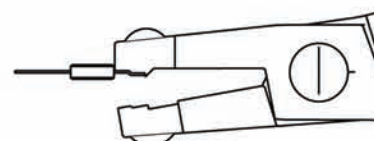
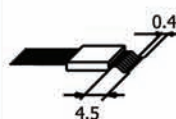
## PNI 5000



Special pliers which forms and cuts the IC pins in one operation.

ESD-safe handles version available (order code PNI 5000 D).  
Steel thickness 5mm.  
Tool length 150mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	0.80	20



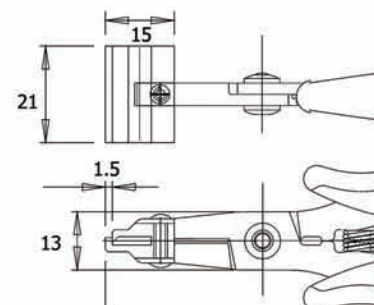
## PNI 5015



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).

ESD-safe handles version available (order code PNI 5015 D).  
Steel thickness 5mm.  
Tool length 155mm

cutting force kg	copper wire Ømm	copper wire awg
5.0	0.64	22



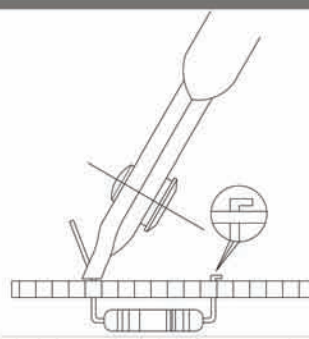
## TP 30



A special tool that cuts and bends the component wire against the PCB in one operation.

ESD-safe handles version available (order code TP 30 D).  
Steel thickness 3mm.  
Tool length 138mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



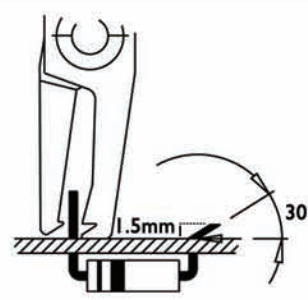
## TP 5000/15



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.

ESD-safe handles version available (order code TP 5000/15 D).  
Steel thickness 5mm.  
Tool length 147mm.

cutting force kg	copper wire Ømm	copper wire awg
3.0	1.02	18



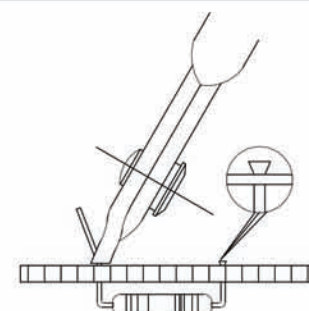
## TS 30



A special tool that cuts and presses the component wire against the PCB in one operation.

ESD-safe handles version available (order code TS 30 D).  
Steel thickness 3mm.  
Tool length 138mm.

cutting force kg	copper wire Ømm	copper wire awg
9.0	1.02	18



# “CUT & PRESS” PLIERS