

PRECISION SCREWDRIVERS



PVC	Dissipative	Dimensions
PG1-0	PG1-0-D	1,2x60
PG1-1	PG1-1-D	1,5x60
PG1-2	PG1-2-D	1,8x60
PG1-3	PG1-3-D	2,5x75
PG1-4	PG1-4-D	3,0x100
PG1-5	PG1-5-D	3,0x150
PG2-0	PG2-0-D	PH00 2,5x60
PG2-1	PG2-1-D	PH00 2,5x60
PG2-1/75	PG2-1/75-D	PH00 2,5x75
PG2-2	PG2-2-D	PH0 3,0x60
PG2-2/75	PG2-2/75-D	PH0 3,0x75
PG2-2/100	PG2-2/100-D	PH0 3,0x100
PG2-2/150	PG2-2/150-D	PH0 3,0x150

TORX



TAMPER RESISTANT



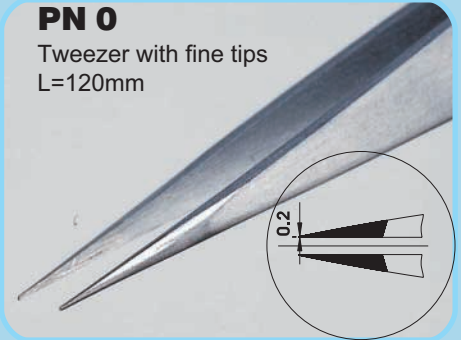
PG4-0X	PG4-0X-D	Tx5x50
PG4-0	PG4-0-D	Tx6x50
PG4-1	PG4-1-D	Tx7x50
PG4-2	PG4-2-D	Tx8x60
PG4-3	PG4-3-D	Tx9x60
PG4-4	PG4-4-D	Tx10x60
PG4-5	PG4-5-D	Tx15x60
PG5-0X	PG5-0X-D	TRx5x50
PG5-0	PG5-0-D	TRx6x50
PG5-1	PG5-1-D	TRx7x50
PG5-2	PG5-2-D	TRx8x60
PG5-3	PG5-3-D	TRx9x60
PG5-4	PG5-4-D	TRx10x60
PG5-5	PG5-5-D	TRx15x60

TWEEZER

Precision tweezers made out of high quality steels, meet with the standards of the electronic industry.
Further models upon request.

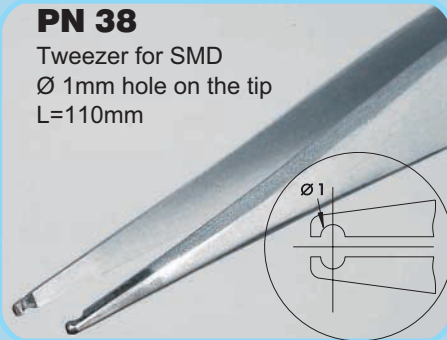
PN 0

Tweezer with fine tips
L=120mm



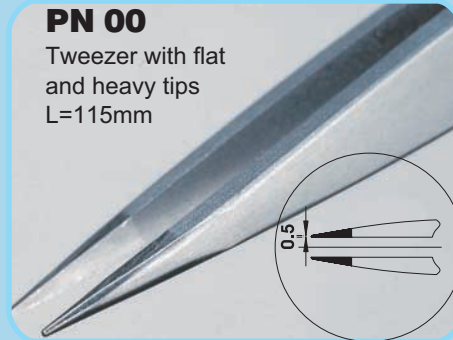
PN 38

Tweezer for SMD
Ø 1mm hole on the tip
L=110mm



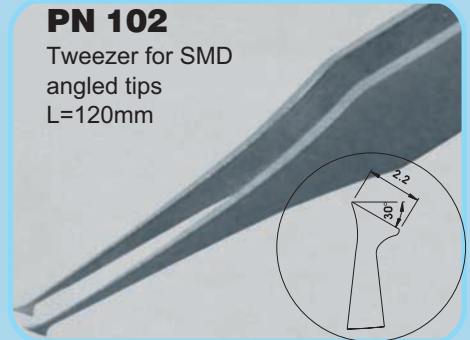
PN 00

Tweezer with flat and heavy tips
L=115mm



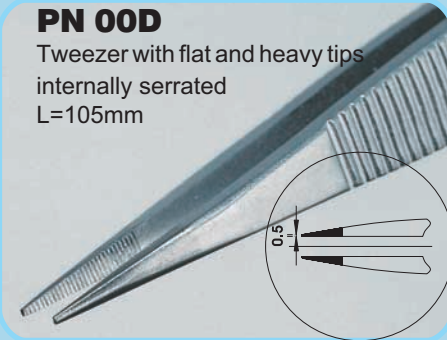
PN 102

Tweezer for SMD
angled tips
L=120mm



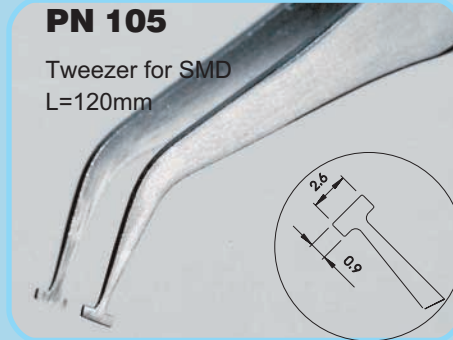
PN 00D

Tweezer with flat and heavy tips
internally serrated
L=105mm



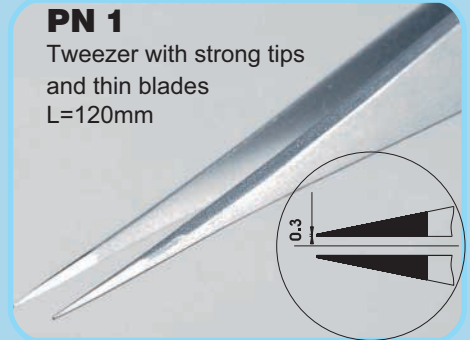
PN 105

Tweezer for SMD
L=120mm



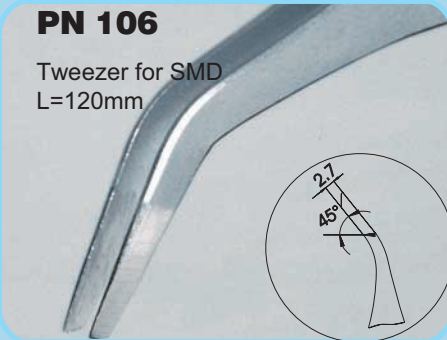
PN 1

Tweezer with strong tips
and thin blades
L=120mm



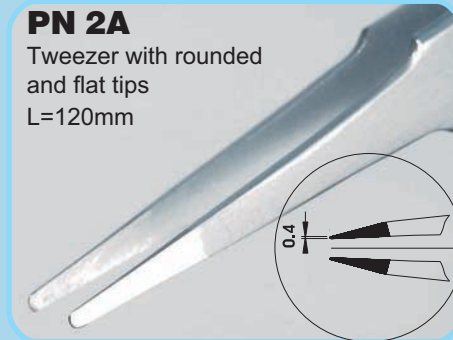
PN 106

Tweezer for SMD
L=120mm



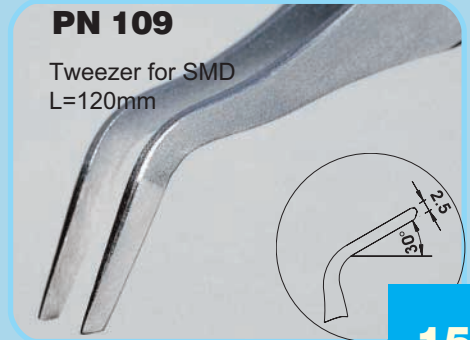
PN 2A

Tweezer with rounded
and flat tips
L=120mm



PN 109

Tweezer for SMD
L=120mm

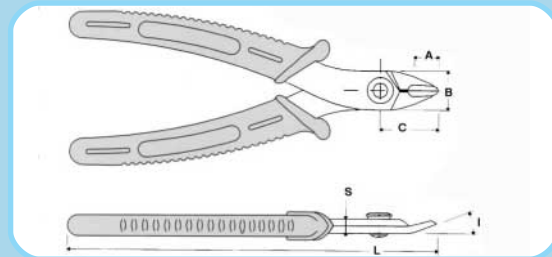


CUTTING - NIPPERS

Specially developed for the electronic, these tools are made out a special carbon steel, with elastic, ergonomic PVC handles, in two versions:

ESD black ($10^6 - 10^9 \Omega$)
INSULATING blue

A patented safety clip to prevent the cut lead to spring out dangerously is available.



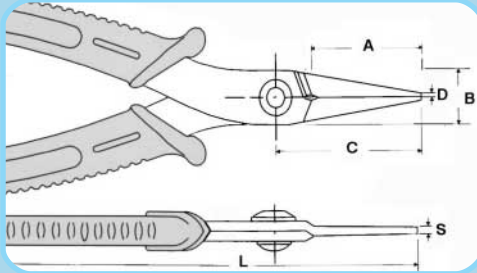
USE	TYPE OF CUT	WT	dia.max Copper wire		DIMENSIONS						CODE	HANDLES		SAFETY CLIP
			gr.	mm	AWG	A	B	C	S	L		I	ESD black	
normal For lead diameter to 1mm	Clean cut 	60	1,02	18	8	13,5	20	5	138	21°	TRE 03 NB TRE 03 AB TRE 03 NBD TRE 03 ABD	• • •	• •	• •
normal For lead diameter to 1,3mm	Clean cut 	65	1,30	16	8	13,5	20	5	128	21°	TR 30 TR 30 A TR 30 D TR 30 AD	• • •	• •	• •
normal with 45° bending nose for lead diameter to 1,3mm	Clean cut 	65	1,30	16	8	13,5	20	5	128	45°	TR 2550 TR 2550 D	•	•	
normal for lead diameter to 2mm	Clean cut 	75	2,05	12	8	13,5	20	6	128	21°	TR 58 R TR 58 RA TR 58 RD TR 58 RAD	• •	• •	• •
heavy for lead diameter to 2,5mm	Blunt cut 	100	2,59	10	12	16,5	25	6	148	21°	TRR 58 TRR 58 A TRR 58 D TRR 58 AD	• •	• •	• •
micro for lead diameter to 0,8mm	Clean cut 	45	0,81	20	8	9,5	18	4	118	21°	TR 20 M TR 20 MA TR 20 MD TR 20 MAD	• •	• •	• •
micro for lead diameter to 1mm	Clean cut 	60	1,02	18	8	10	18	5	128	21°	TR 25 P TR 25 PA TR 25 PD TR 25 PAD	• • •	• •	• •
micro with 48° bending nose for lead diameter to 0,6mm	Clean cut 	45	0,64	22	8	9,5	18	4	118	48°	TR 2050 M TR 2050 MD	•	•	
micro reversed cut with 48° bending nose specially developed for IC leads	Clean back cut 	45	0,64	22	8	9,5	18	4	118	48°	TR 20 TM TR 20 TMD	•	•	



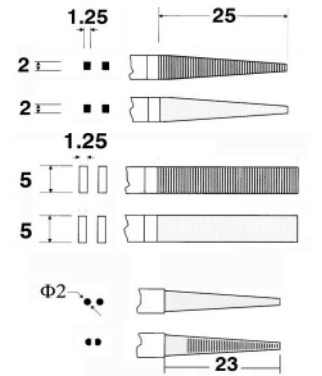


PLIERS

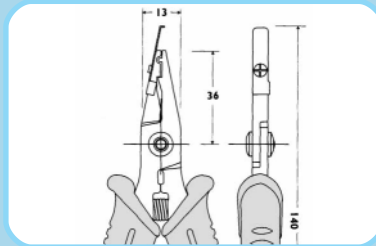
Professional pliers developed for the electronics industry. Short, long, rounded pliers, with smooth or serrated nose. Extension D is for the Black Dissipative PVC handles ($10^6-10^9\Omega$).



	A	B	C	D	S	L	gr.
PN 5005	25	13	36	1,3	2	140	97
PN 5005 D							
PN 5006	25	13	36	1,3	2	140	97
PN 5006 D							
PN 5007	25	13	39	1,3	5	140	97
PN 5007 D							
PN 5008	25	13	39	1,3	5	140	97
PN 5008 D							
PN 5025	23	13	32	2	2	138	95
PN 5025 D							
PN 5025 Z	23	13	32	2	2	138	95
PN 5025 ZD							



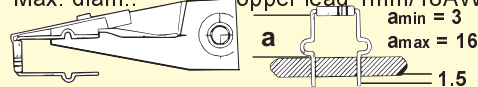
PREFORMING WITH CURL



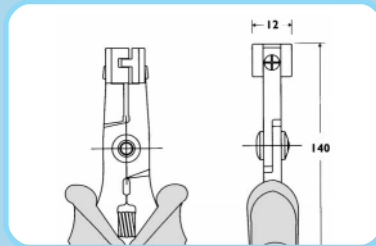
Professional tool specially designed to cut and preform components in a single operation. Variable length by means of an adjustable stop.

PNR5000 PVC blue handles
PNR5000D black dissipative ESD handles ($10^6-10^9\Omega$)

Max. diam.: copper lead 1mm/18AWG
 $a_{min} = 3$
 $a_{max} = 16$

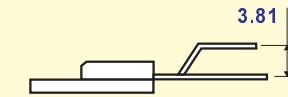


PREFORMING TO220

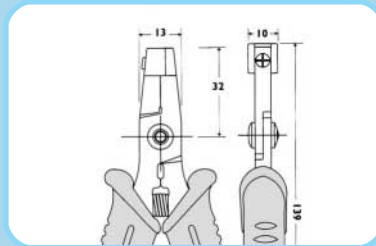


Professional tool specially designed to preform with central lead out of 3.81mm.

PN5050 PVC blue handles
PN5050D black dissipative ESD handles ($10^6-10^9\Omega$)



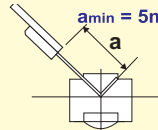
PREFORMING AT 90°



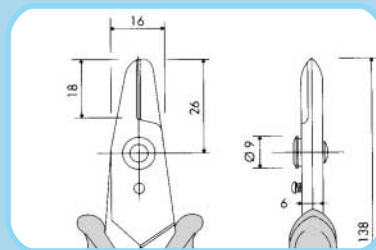
Professional tool specially designed to preform components at 90°.

PN5040 PVC blue handles
PN5040D black dissipative ESD handles ($10^6-10^9\Omega$)

Max. diam.: copper lead 1mm/18AWG
 $a_{min} = 5mm$
 a



SHEARS



An easy-handly shear, designed for the electronic.

Copper wire: max.diameter 1.63mm(14AWG)

CS 30 PVC blue handles
CS 30 D black dissipative ESD handles ($10^6-10^9\Omega$)