

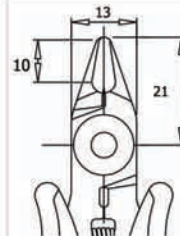


## TR 5000 PR



### TR 5000 PR

Strong tool for a flush cut. With very sharp cutting edges it allows access to difficult to reach areas. Safety clip for holding wire scraps securely after cutting available. Steel thickness 5.0mm. Tool length 138mm  
ESD-safe handles version available



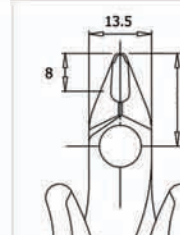
Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TR 5000PR	TR 5000PR D	TR 5000PR A	AF	5	1.30	16

## CUTTERS rounded flush cut

### TR 25 B



**TR 25 B:** Tool for a flush well finished cut. Lightweight and easy to handle with swelled blades, leaving the cut well finished. Suitable for work with plastic. Steel thickness 2.5mm. Tool length 138mm.  
ESD-safe handles version available

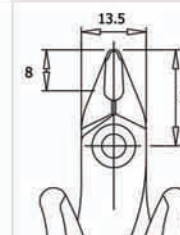


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TR 25 B	TR 25 B D	-	-	5	1.02	18

### TR 30 B

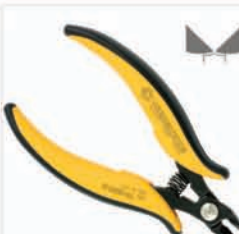


**TR 30 B:** Tool for a flush finished cut. Lightweight and easy to handle with swelled blades, leaving the cut well finished. Suitable for work with plastic. Steel thickness 3.0mm. Tool length 138mm  
ESD-safe handles version available

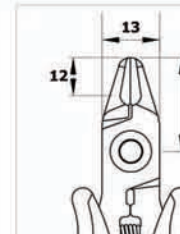


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TR 30 B	TR 30 B D	-	-	5.5	1.02	18

### TR 5000 B



**TR 5000 B:** Strong tool for flush finished cut. Suitable for work with plastic. Steel thickness 5.0mm. Tool length 138mm.  
ESD-safe handles version available

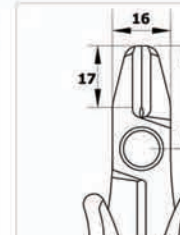


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TR 5000 B	TR 5000 B D	-	-	12	1.63	14

### TRR 5000 B



**TRR 5000 B:** Strong tool for flush finished cut. Suitable for work with plastic. Steel thickness 5.0mm. Tool length 150mm.  
ESD-safe handles version available

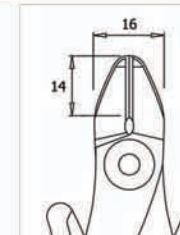


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TRR 5000 B	TRR 5000 BD	-	-	15	2.05	12

### TRR 58 B



**TRR 58 B:** Strong tool for flush finished cut. Steel thickness 3.0mm. Tool length 160mm.  
ESD-safe handles version available



Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire ( Ø mm)	Copper wire (awg)
TRR 58 B	TRR 58 B D	-	-	3.0	2.05	12



# DEPANELING SCORING SYSTEMS

## DP SERIES: manual depaneling pliers



A manual depaneling tool to separate larger sheets of multiple PCB panels in a quick, economic and safe way, leaving well finished cut surfaces; maximum length of the isthmus (tab) must not exceed 2.5 mm.

ESD-safe handles version available.

Maximum PCB thickness 2mm; minimum distance isthmus 16mm; maximum cutting force 7kg

order code	ESD order code	blade thickness mm (")	cutting force (kg)
DP 15 N	DP 15 N D	1.5 (.059")	3
DP 18 N	DP 18 N D	1.8 (.070")	3
DP 20 N	DP 20 N D	2.0 (.078")	3
DP 23 N	DP 23 N D	2.3 (.090")	7
DP 24 N	DP 24 N D	2.4 (.094")	7
DP 25 N	DP 25 N D	2.5 (.098")	7



## DPP SERIES: pneumatic depaneling tools



Pneumatic depaneling tool. The DPP is suitable for the quick, economic and secure separation of PCBs, leaving the cut edges well finished. The interchangeability of the blades, made from special steel in various thicknesses, enable it to satisfy all customer requirements. (Isthmus lenght 1÷3 mm)

Maximum PCB thickness 1,6mm; minimum distance isthmus 11mm; maximum cutting force 80kg

order code	blade thickness mm (")	Spare part - central blade
DPP 20 N	2.0 (.078")	L20 - 2.0 mm (.078")
DPP 23 N	2.3 (.090")	L23 - 2.3 mm (.090")
DPP 24 N	2.4 (.094")	L24 - 2.4 mm (.094")
DPP 25 N	2.5 (.098")	L25 - 2.5 mm (.098")

## SDP



"DPP TANDEM" Depaneling system from 1 to 5 pneumatic heads and blades of: 2-2.3-2.4-2.5 mm

PCB specifications when you use DPP TANDEM:

**MAX PCB THICKNESS:** 1.6mm

**BLADE THICKNESS:** 2.5 – 2.4 –2.3- 2 mm

**ISTHMUS:** 1÷3 mm – Tol. 0 +0.1 mm

**MAX N° OF HEADS:** 5

**MIN DISTANCE BETWEEN TWO HEADS:** 55 mm

**MAX DISTANCE BETWEEN TWO HEADS:** 425 mm

How to order: SDP-...-ST-... SDP - heads number (from 1 to 5) - ST - blade thickness (2.5; 2.4; 2.3; 2)

it is possible to use also the "T" blade: Cutting force 140 kg

## DPB



"DPP MONO" Depaneling system with 1 pneumatic head

PCB specifications when you use DPP MONO:

**MAX PCB THICKNESS:** 1.6mm

**BLADE THICKNESS:** 2.5 – 2.4 –2.3- 2 mm

**ISTHMUS:** 1÷3 mm

Cutting force 190 kg

minimum distance isthmus 13mm;

To change the cutting blade, it is needed to change only the single blade: SDP-...LT.. or SDP-...LTT

How to order:

DPB-1-ST... blade thickness (2.5; 2.4; 2.3; 2) specifying also the type of blade.

The DPB is supplied with the "L" blade but it is possible to order also the "T" blade as shown in the picture.