



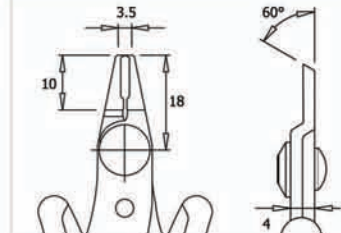
CUTTERS oblique or vertical cut

TR 20 VM



TR 20 VM

Tool for a front, flush cut. The reduced size and the special 60° angle permits the tool to be easily used in difficult to reach areas.
Steel thickness 2.0mm. Tool length 132mm
ESD-safe handles version available

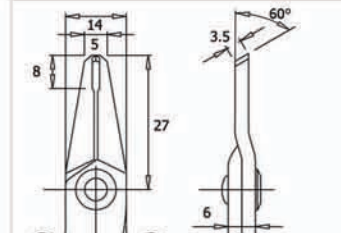


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 VM	TR 20 VM D	-	-	-	2.0	0.64	22

TR 30 V



TR 30 V: Tool for a front, clean, flush cut. The special 60° angle permits the tool to be easily used in difficult to reach areas.
Steel thickness 3.0mm. Tool length 144mm.
ESD-safe handles version available

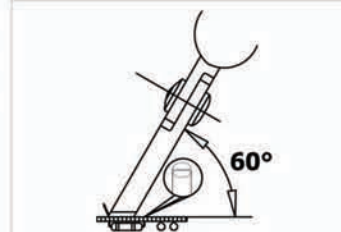


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 30 V	TR 30 V D	-	-	-	3	1.02	18

TR 5000 V



TR 5000 V: Special 60° angled tool for a front, flush cut, ideal to work in difficult to reach areas. Similar to TR 30 V but with 5mm steel thickness.
Steel thickness 5.0mm. Tool length 147mm.
ESD-safe handles version available

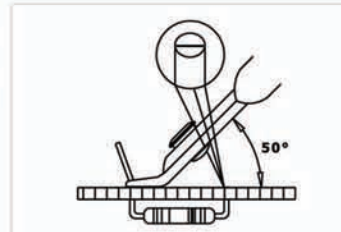


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 5000 V	TR 5000 V D	-	-	-	3.5	1.30	16

TR 25 50



TR 25 50: Tool for a flush cut, with inclined 50° blades, for specific work in electronics.
Steel thickness 2.5mm. Tool length 135mm.
ESD-safe handles version available

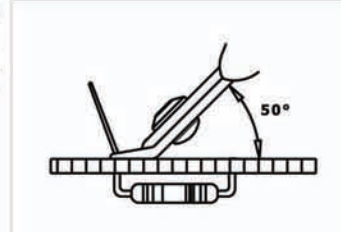


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25 50	TR 25 50 D	-	-	-	5	1.30	16

TR 20 50 M



TR 20 50 M: Particularly thin nose tool for a flush cut with inclined 50° blades. Ideal to work in difficult to reach areas.
Steel thickness 2.0mm. Tool length 131mm.
ESD-safe handles version available

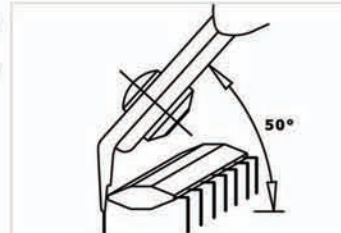


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 50 M	TR 20 50 M D	-	-	-	2	0.64	22

TR 30 T



TR 30 T: Tool 50° angled for the cutting of integrated circuit pins.
Steel thickness 3.0mm. Tool length 137mm.
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 T	TR 30 T D	-	-	-	2.5	1.02	18



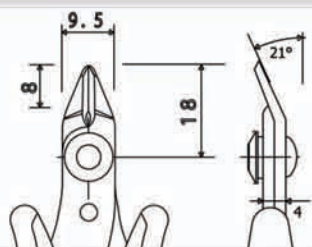
CUTTERS flush cut

TR 20 M



TR 20 M

Tool for a flush cut. The reduced head's dimension and its pointed shape, allow access to difficult to reach areas. Steel thickness 2.0 mm. Tool length 132mm. Safety clip for holding wire scraps securely after cutting available. ESD-safe handles version available

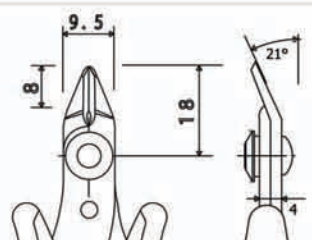


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 M	TR 20 M D	TR 20 M A	AF	3	0.81	20

TR 20 SM



TR 20 SM: Tool for a flush cut. The reduced head's dimension and its pointed shape, allow access to difficult to reach areas. Similar to TR 20 M but with rounded edges. Safety clip for holding wire scraps securely after cutting available. Steel thickness 2.0mm. Tool length 132mm. ESD-safe handles version available.

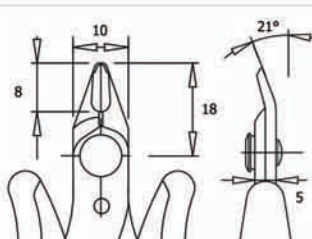


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 SM	TR 20 SM D	TR 20 SM A	AF	3	0.81	20

TR 25 P



TR 25 P: Tool for a flush cut. With very sharp cutting edges, it is ideal for very delicate work in electronics, allowing access to difficult to reach areas. Safety clip for holding wire scraps securely after cutting available. Steel thickness 2.5mm. Tool length 132mm. ESD-safe handles version available

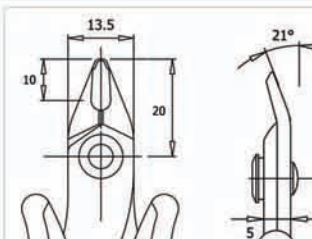


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25 P	TR 25 P D	TR 25 P A	AF	3.5	1.02	18

TR 25



TR 25: Tool for a flush cut. One of the most popular cutting tool. Safety clip for holding wire scraps securely after cutting available. Steel thickness 2.5mm. Tool length 138mm. ESD-safe handles version available

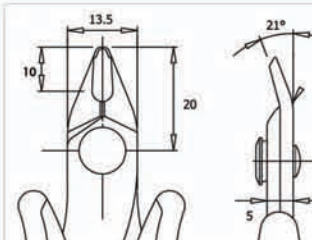


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25	TR 25 D	TR 25 A	AF	5	1.30	16

TR E 03 NB



TRE 03 NB: Tool for a flush cut. Purposely designed as the simplified version of the TR 25 but with the same main characteristics. Safety clip for holding wire scraps securely after cutting available. Steel thickness 2.5mm. Tool length 138mm. ESD-safe handles version available

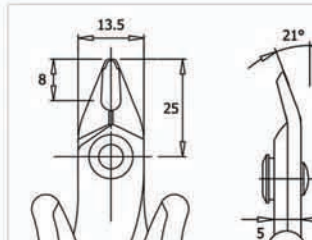


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR E 03 NB	TR E 03 NB D	TR E 03 AB	AF	3	1.30	16

TR 25 L



TR 25 L: Tool for a flush cut. Same characteristics as TR 25, but specially designed with longer handles to reduce the force needed by the operator. Safety clip for holding wire scraps securely after cutting available. Steel thickness 2.5mm. 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)
TR 25 L	TR 25 L D	TR 25 L A	AF	3	1.30	16

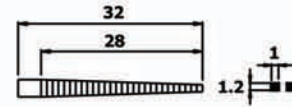


PLIERS pointed long nose pliers

PN 2005



PN 2005: The PN 2005 is a serrated, pointed long nose pliers ideal to be used in difficult to reach areas. Steel thickness 3.0mm. ESD-safe handles version available.

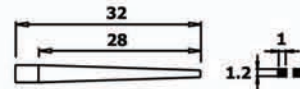


Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 2005	PN 2005 D	48-50	78	160

PN 2006



PN 2006: The PN 2006 is a smooth, pointed long nose pliers ideal to be used in difficult to reach areas. Steel thickness 3.0mm. ESD-safe handles version available.

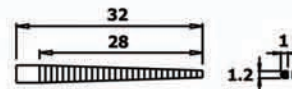


Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 2006	PN 2006 D	48-50	78	160

PN 2015



PN2015: Serrated pointed, long nose pliers, with rounded external edges suitable for the handling of components in high density areas without causing damage. Steel thickness 3.0mm. ESD-safe handles version available.

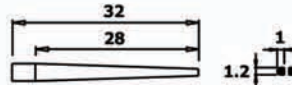


Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 2015	PN 2015 D	48-50	78	160

PN 2016



PN 2016: Smooth pointed, long nose pliers, with rounded external edges suitable for the handling of components in high density areas without causing damage. Steel thickness 3.0mm. ESD-safe handles version available.

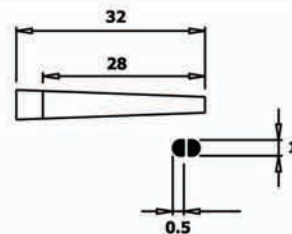


Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 2016	PN 2016 D	48-50	78	160

PN 2002 M



PN 2002 M: Smooth, pointed long nose pliers, with rounded external edges and very thin tips. Ideal for the handling of components in high density area with no risk of damage. Steel thickness 2.0mm. ESD-safe handles version available.

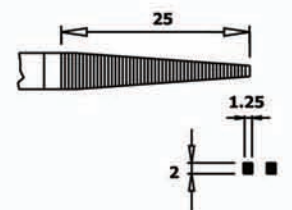


Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 2002 M	PN 2002 M D	48-50	64	155

PN 5005



PN 5005: Serrated, pointed, long nose pliers. For the general handling of all types of components. Steel thickness 5.0mm. ESD-safe handles version available.



Order code	ESD Order code	Hrc	Weight (gr)	Lenght (mm)
PN 5005	PN 5005 D	48-50	100	154



PN 5025	●●	48-50	98	154	PN 5025 D	smooth rounded long nose pliers
PN 5025 Z	●●	48-50	98	154	PN 5025 Z D	serrated rounded long nose pliers
PN 5025/1	●●	48-50	98	146	PN 5025/1 D	smooth rounded short nose pliers Ø 1.6
PN 5025/2	●●	48-50	100	154	PN 5025/2 D	smooth rounded long nose pliers Ø 1
PN 5025/3	●●	48-50	98	146	PN 5025/3 D	smooth rounded short nose pliers Ø 1

bent nose pliers

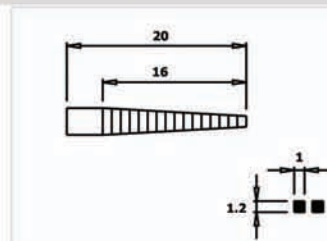
Order code	Tip	hrc	weight (gr)	length (mm)	Esd code	Notes
PN 2002 PM	●●	48-50	64	147	PN 2002 PM D	Smooth pointed rounded nose pliers bent at 45°
PNB 2005	■■	48-50	78	152	PNB 2005 D	Serrated pointed long nose pliers bent at 45°
PNB 2006	■■	48-50	78	152	PNB 2006 D	Smooth pointed long nose pliers bent at 45°
PNB 2007	■■	48-50	78	152	PNB 2007 D	Serrated flat long nose pliers bent at 45°
PNB 2008	■■	48-50	78	152	PNB 2008 D	Smooth flat long nose pliers bent at 45°
PNB 2015	●●	48-50	78	152	PNB 2015 D	Serrated sharp, rounded nose pliers bent at 45°
PNB 2016	●●	48-50	78	152	PNB 2016 D	Smooth sharp, rounded nose pliers bent at 45°
PNB 2017	●●	48-50	78	152	PNB 2017 D	Serrated flat, rounded nose pliers bent at 45°
PNB 2018	●●	48-50	78	152	PNB 2018 D	Smooth flat, rounded nose pliers bent at 45°

PLIERS pointed short nose pliers

PN 2001



PN 2001: The PN 2001 is a serrated, pointed short nose pliers suitable to be used with all type of components. Steel thickness 3.0mm. ESD-safe handles version available.

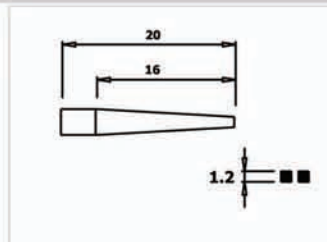


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 2001	PN 2001 D	48-50	78	146

PN 2002



PN 2002: The PN 2002 is a smooth, pointed short nose pliers suitable to be used with all type of components. Steel thickness 3.0mm. ESD-safe handles version available.

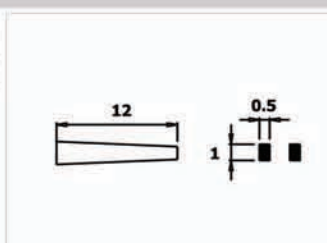


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 2002	PN 2002 D	48-50	78	146

PN 20 M



PN 20 M: Smooth pointed short nose pliers, specially designed for delicate work in electronics. Steel thickness 2.0mm. ESD-safe handles version available.



Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 20 M	PN 20 M D	48-50	60	136