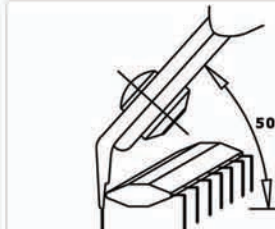


TR 20 TM



TR 20 TM: Tool for the cutting of integrated circuit pins. The reduced size of the its blades, angled at 50°, allows the pins cut when pins are very close to each other. Steel thickness 2.0mm. Tool length 129mm. 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 TM	TR 20 TM D	-		-	2	0.64	22



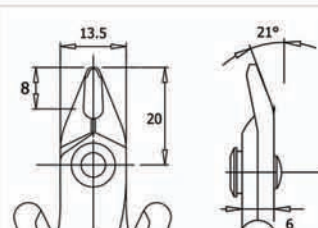
CUTTERS

CUTTERS induction/tungsten blade treatment

ITR 30



ITR 30: Strong tool for a flush cut. Special INDUCTION treatment of blades. For the cutting of copper and ferrous materials. Safety clip for holding wire scraps securely after cutting available. Steel thickness 3.0mm. Tool length 138mm. ESD-safe handles version available.

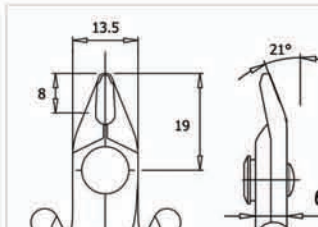


Order code	ESD Order code	Safety clip	Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITR 30	ITR 30 D	ITR 30 A		AL	1.30/16	1.02/18	-/-

ITR 58 R



ITR 58 R: Strong tool for a flush cut. Special INDUCTION treatment of blades. For the cutting of copper and ferrous materials. Safety clip for holding wire scraps securely after cutting available. Steel thickness 3.0mm. Tool length 138mm.

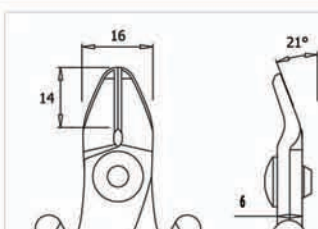


Order code	ESD Order code	Safety clip	Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITR 58 R	ITR 58 R D	ITR 58 R A		AL	2.05/12	1.63/14	-/-

ITRR 58 G



ITRR 58 G: Strong tool for a flush cut. Special INDUCTION treatment of blades. For the cutting of copper and ferrous materials. Steel thickness 3.0mm. Tool length 160mm. ESD-safe handles version available

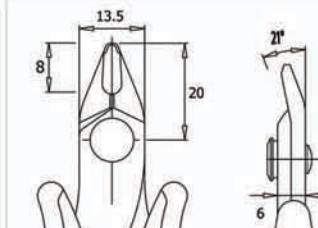


Order code	ESD Order code	Safety clip	Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITRR 58 G	ITRR 58 G D	-		-	2.59/10	1.63/14	-/-

ITR 30 58



ITR 30 58: Strong tool for a chamfered cut. Special INDUCTION treatment of blades. For the cutting of copper and ferrous materials. Safety clip for holding wire scraps securely after cutting available. Steel thickness 3.0mm. Tool length 138mm. ESD-safe handles version available



Order code	ESD Order code	Safety clip	Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITR 30 58	ITR 30 58 D	ITR 30 58 A		AL	1.63/14	1.30/16	-/-



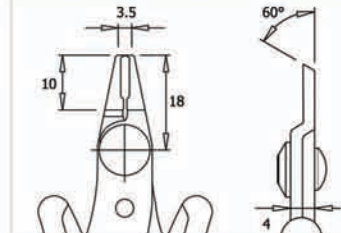
CUTTERS oblique or vertical cut

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

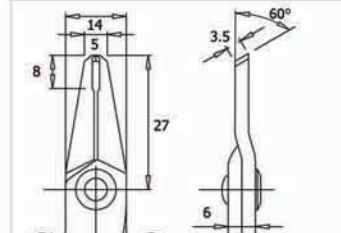


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 VM	TR 20 VM D	-	-	-	2.0	0.64	22

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

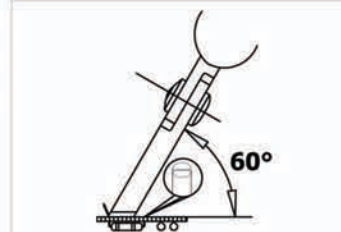


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 30 V	TR 30 V D	-	-	-	3	1.02	18

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

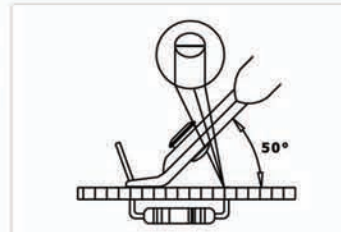


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 5000 V	TR 5000 V D	-	-	-	3.5	1.30	16

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

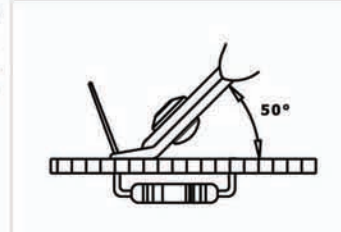


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25 50	TR 25 50 D	-	-	-	5	1.30	16

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

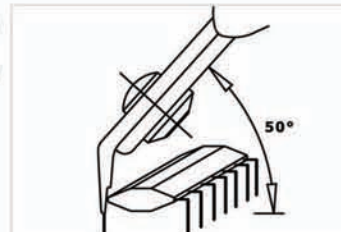


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 50 M	TR 20 50 M D	-	-	-	2	0.64	22

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

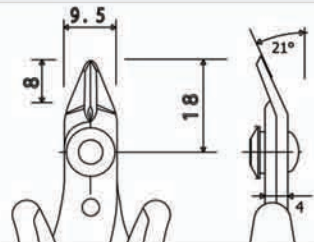


CUTTERS flush cut

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

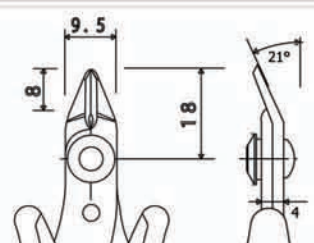


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 M	TR 20 M D	TR 20 M A	AF	3	0.81	20

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.

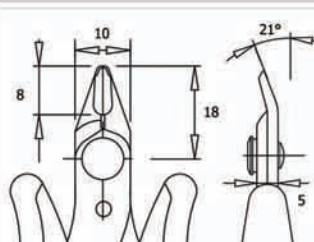


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 SM	TR 20 SM D	TR 20 SM A	AF	3	0.81	20

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

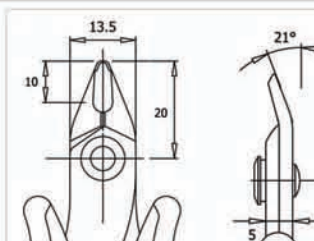


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25 P	TR 25 P D	TR 25 P A	AF	3.5	1.02	18

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

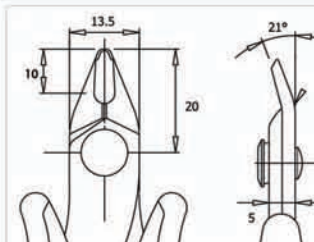


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25	TR 25 D	TR 25 A	AF	5	1.30	16

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

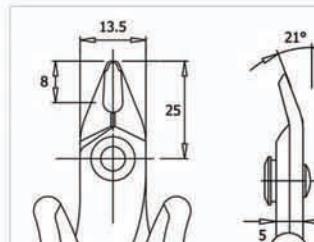


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR E 03 NB	TR E 03 NB D	TR E 03 AB	AF	3	1.30	16

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

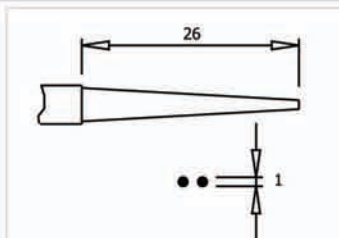


Order code	ESD Order code	Safety clip Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 25 L	TR 25 L D	TR 25 L A	AF	3	1.30	16

PN 5025/2



PN 5025/2: Smooth rounded long nose pliers, ideal for the handling of components in high density areas without causing damage. Tips diameter 1.0 mm. Nose length 26mm. Steel thickness 5.0mm. ESD-safe handles version available.

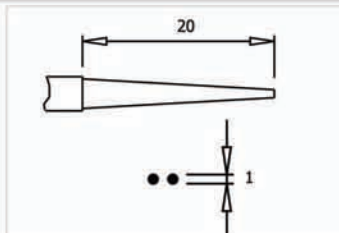


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 5025/2	PN 5025/2 D	48-50	100	154

PN 5025/3



PN 5025/3: Smooth rounded short nose pliers, ideal for the handling of components in high density areas without causing damage. Tips diameter 1.0 mm. Nose length 20mm. Steel thickness 5.0mm. ESD-safe handles version available.



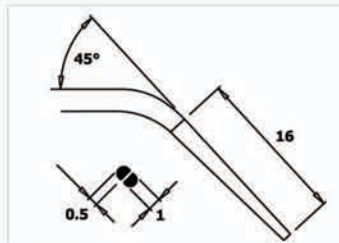
Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 5025/3	PN 5025/3 D	48-50	98	146

PLIERS bent nose pliers

PN 2002 PM



PN2002 PM: Smooth, 45° angled long nose pliers with rounded external edges. Thanks to its shape, it gives a wide angle of vision of the work area. Steel thickness 2.0mm. ESD-safe handles version available.

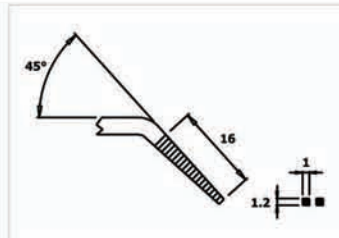


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 2002 PM	PN 2002 PM D	48-50	64	147

PNB 2005



PNB 2005: Serrated pointed long nose pliers bent at 45°. Thanks to its shape, it gives a wide angle of vision of the work area and suitable for the handling of components in difficult to reach areas. Steel thickness 3.0mm. ESD-safe handles version available.

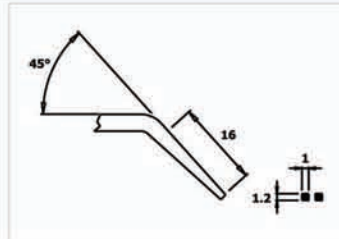


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PNB 2005	PNB 2005 D	48-50	78	152

PNB 2006



PNB 2006: Smooth pointed long nose pliers bent at 45°. Thanks to its shape, it gives a wide angle of vision of the work area and suitable for the handling of components in difficult to reach areas. Steel thickness 3.0mm. ESD-safe handles version available.

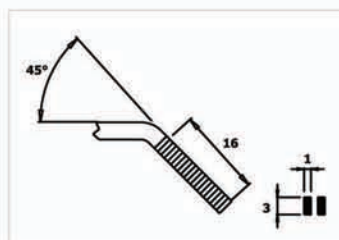


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PNB 2006	PNB 2006 D	48-50	78	152

PNB 2007



PNB 2007: Serrated flat long nose pliers bent at 45°. Thanks to its shape, it gives a wide angle of vision of the work area and suitable for the handling of components in difficult to reach areas. Steel thickness 3.0mm. ESD-safe handles version available.



Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PNB 2007	PNB 2007 D	48-50	78	152



PLIERS



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

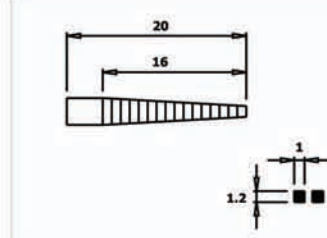
Order code	Tip	hrc	weight (gr)	length (mm)	Esd code	Notes
PN 2002 PM	●●	48-50	64	147	PN 2002 PM D	Smooth pointed rounded nose pliers bent at 45°
PNB 2005	■ ■	48-50	78	152	PNB 2005 D	Serrated pointed long nose pliers bent at 45°
PNB 2006	■ ■	48-50	78	152	PNB 2006 D	Smooth pointed long nose pliers bent 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.

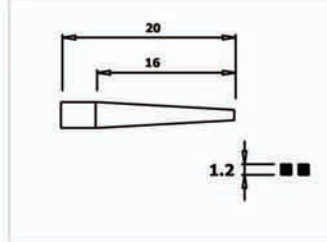


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 2001	PN 2001 D	48-50	78	146

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.

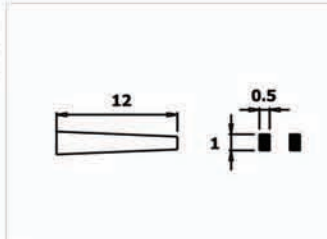


Order code	ESD Order code	Hrc	Weight (gr)	Length (mm)
PN 2002	PN 2002 D	48-50	78	146

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