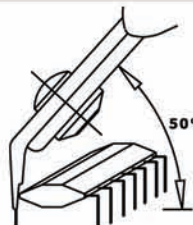


TR 20 TM



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

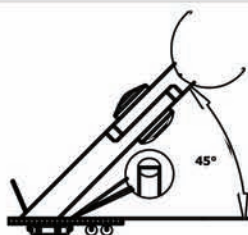


Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 20 TM	TR 20 TM D	-	-	-	2	0.64	22

TR 5045 V



TR 5045 V: Tool for a front, flush cut, 45°angled. Steel thickness 5.0mm. Tool length 147mm. ESD-safe handles version available



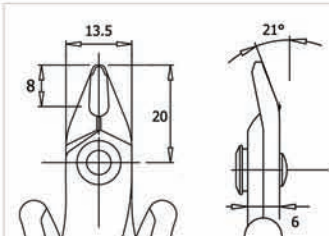
Order code	ESD Order code	Safety clip	Order code	Type of spring	Cutting force (kg)	Copper wire (Ø mm)	Copper wire (awg)
TR 5045 V	TR 5045 V D	-	-	-	3	1.30	16

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.

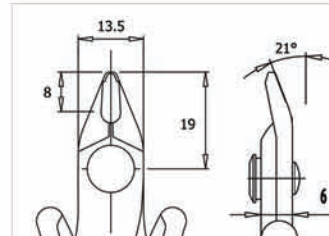


Order code	ESD Order code	Safety clip Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITR 30	ITR 30 D	ITR 30 A	AL	1.30/16	1.02/18	-/-

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.

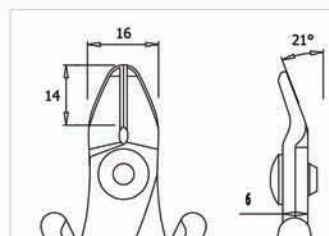


Order code	ESD Order code	Safety clip Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITR 58 R	ITR 58 R D	ITR 58 R A	AL	2.05/12	1.63/14	-/-

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

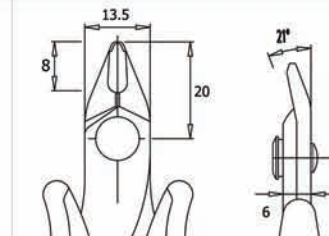


Order code	ESD Order code	Safety clip	Order code	Spring	Copper wire (Ømm/awg)	Ferrous wire (Ø mm/awg)	Steel wire (Ø mm/awg)
ITRR 58 G	ITRR 58 G D	-	-	-	2.59/10	1.63/14	-/-

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	-/-