

SPECIAL TOOLS



No.	Description	Length	Weight
2-265	Test prods , extremely slim, pointed and flexible, blade made from 1 mm steel wire, with banana plug connection, fully insulated, available in red (2-265-1) and black (2-265-2)	155 mm	9 g
2-125	Desoldering lever for lifting fixed components when desoldering, ends at different angles (40°/70°), slotted at both ends, nickel-plated, insulated	125 mm	7 g
2-126	Desoldering lever , slotted at one end, nickel-plated, round, insulated shank and hexagonal plastic handle	115 mm	10 g
2-127	Tin knife with pointed, sharp blade, for cutting circuit paths and working printed circuit boards, round, insulated shank and hexagonal plastic handle	115 mm	14 g
2-128	Tin scraper with blade of sharp parting tool shape for scraping off excess solder and solder bridges, round, insulated shank and hexagonal plastic handle	115 mm	14 g
2-101	Tin knife with ceramic blade for working printed circuit boards, handle from conductive black plastic	105 mm	9 g
2-135	Core remover for easy removal of damaged cores in coils etc., flexible metal tip 1.5 x 0.5 x 30 mm, nickel-plated blade, BERNSTEINIT handle	175 mm	8 g
2-145	Screwdriver with guide sleeve for easy and accurate setting of spindle resistors and potentiometers with slotted axles up to 3.2 mm Ø, nickel-plated blade, plastic-handle	140 mm	12 g
2-151	Triangular scraper in brass tool holder, nickel-plated, triangular blade made from hollow ground special steel (80 mm long), insertable at both ends and adjustable in holder	90 mm	26 g
2-152	Tool holder , nickel-plated brass, with collets at both ends for holding tools from 0 to 3 mm Ø	110 mm	32 g
2-155	Claw-type gripper , with 3 hardened wire claws, max. 12 mm opening, with clip	120 mm	49 g
2-157	Flexible claw-type grip with 4 sprung claws, to reach inaccessible areas with free play, nickel-plated, long version	600 mm	75 g
2-161	Magnetic bar with double ball-and-socket joint, slewable into any position, diameter of bar 8 mm	215 mm	34 g
2-163	Brass contact cleaner brush , Ø 4 mm, with rotary mechanism, plastic casing	120 mm	10 g
2-164	Replacement brass brush for 2-163	40 mm	1 g
2-165	Contact cleaner , brush-type, with wire bristles, nickel-plated	35 mm	2 g
2-166	Glass fibre contact cleaner brush with rotary mechanism, plastic casing	115 mm	10 g
2-167/10	Replacement glass fibre for 2-166, 10 pieces	40 mm	12 g
2-168	Glass fibre contact cleaner brush , Ø 2 mm	135 mm	9 g
2-169	Replacement glass fibre for 2-168	110 mm	1 g

SPECIAL TOOLS

No.	Description	Length	Weight	
1-909	Engineer's mirror , magnifying, concave mirror 23 mm Ø, with extension handle, made entirely from BERNSTEINIT, fully insulated version	145/260 mm	9 g	
1-978	Engineer's mirror as above, but extension handle with ground 6 mm screwdriver blade, made from BERNSTEINIT	145/260 mm	9 g	
2-275	Repair mirror , stainless, magnifying, concave mirror 21 mm Ø, with BERNSTEINIT handle	180 mm	7 g	
2-281	Double-jointed mirror , slewable into any position, nickel-plated, with insulated handle and clip, mirror 30 mm Ø	195 mm	33 g	
2-282	Telescopic mirror with double joint, slewable into any position, nickel-plated, pocket clip, mirror 23 mm Ø	150-460 mm	21 g	
2-285	Inspection mirror with illuminated mirror area and double joint, slewable into any position, nickel-plated, pocket clip, for 2 batteries type Mignon 1.5 V	200 mm	43 g	
2-291	Plastic magnifying glass with biconvex lens, 5 x magnification, 30 mm Ø, short, practical shape	70 mm	6 g	
2-293	Hand magnifier , biconvex PMX-light-weight lens with antistatic coating, 65 mm Ø, 3.0 x magnification	180 mm	52 g	
2-295	Hand magnifier, illuminated with aspherical PMX-light-weight lens, 35 mm Ø, 7x magnification, 28.0 Dpt., with 2 batteries type Mignon 1.5 V	125 mm	80 g	
2-297	Magnifying glasses Max Detail for easy and precise viewing, 2 x magnification (galilean system), large field of view: about Ø 15 cm, with 40 cm distance, large working distance: 40 cm, magnifying glasses with +/- 3 diopter adjustment, independently adjustable		52 g	
2-655	Pocket inspection lamp MITILITE LASER SPOT with bent fibre optic adaptor for close inspection of small, tight, hard-to-see areas. The most powerful pocket lite with pre-focused reflector, clip and magnet, handy, watertight and unbreakable incl. 2 Alkaline-batteries ea. 1.5 V	125 mm	52 g	
2-655-80	Pocket inspection lamp as discribed above, with additional straight fibre optic adapter, 80 mm long			

SPECIAL TOOLS

No.	Description	Length	Weight
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2-130	Set of spring hooks , 6-piece, nickel-plated, for gripping and straightening, inserting and removing tension and compression springs of various kinds, hook screwing onto handle, in a plastic case	hook with handle 205 mm	42 g
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2-131	Spring hook , nickel-plated and insulated, for inserting and removing tension and compression springs	205 mm	10 g
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2-132	Spring hook , nickel-plated and insulated, for inserting and removing tension springs	175 mm	8 g
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2-133	Spring hook with ring , nickel-plated, for inserting and removing strong tension springs	195 mm	13 g
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2-306	Extractor with self-centring extractor hook to remove small bearings and similar parts. Span 60 mm, grip depth 50 mm	105 mm	205 g
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2-601	IC tweezers for gripping, inserting and removing, especially suitable for narrow components, nickel-plated	125 mm	20 g
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2-601-13	IC-tweezers with ESD-coating description as before	125 mm	22 g
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2-605	PLCC-puller for lifting out plug-in PLCC's	135 mm	6 g
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2-620	PLCC extractor for easy removal of plug-in PLCC's	100 mm	22 g
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DEMAGNETIZING THROTTLES

Indispensable for the service

2-305 **BERNSTEIN** Demagnetizing throttle

complete with 2 m connecting cable and Euro-flat plug

The device removes unwanted magnetism from sound heads, which can cause disturbing extraneous noise and losses of high-frequency sound.

Also suitable for erasing magnetic tapes.

Technical data: Dimensions: 105 mm x 40 mm Ø
Voltage: 220 V = 50 Hz
Low voltage on request

Weight: 340 g



2-505 **BERNSTEIN** Demagnetizing throttle

for **colour televisions** and **colour monitors** complete with 4 m connecting cable and Euro-flat plug

When servicing colour televisions, the most important requirement for setting the purity of colour and convergence accurately is the demagnetisation of the colour television tube.

There are colour televisions and colour monitors which are so strongly magnetized that the intern demagnetisation is not successful enough. For these cases the demagnetizing throttle 2-505 is used, which neutralizes even the strongest magnetic fields. An installed thermo-element interrupts as protection of overheating after approx. 1.5 min.

Technical data: Diameter: 350 mm
Voltage: 220 V
Current consumption: approx. 2 A
Thermo-element

Weight: approx. 1.000 g



INSERTION TOOLS

2-701 **Krone Insertion tool with sensor**, wire connection, without soldering, screwing and stripping, cutting the remaining length, all in one operation

185 mm 63 g



2-702 **Insertion tool** for system 71 to connect cable and switch wire

165 mm 40 g



Test headphone

2-751 **Test headphone**

Usable for

- the check of switching circuitry
- the connection to the line without drawing loop current (monitor)
- verification the presence of DC current and permission to follow a tone on different pairs

Technical data:

1 x 600 ohm, changeable from 600 up to 10.000 ohm, with fine adjuster, cable length including test prods 1450 mm, maximum load 2 W

Weight: 240 g

