

FLEX-Elektrowerkzeuge GmbH

Bahnhofstrasse 15
71711 Steinheim
Phone +49 7144 828-0
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info@flex-tools.com
www.flex-tools.com

FLEX

Metal surface finishing

BSE 14-3 100

Order no. 433.411



Technical attributes	BSE 14-3 100
Power input	1400 watt
Power output	880 watt
Max. tool Ø	125 mm
Tool width	100 mm
Tool fixture	19 mm
No load speed	1000-3500 rpm
Cable length	4,0 m
Weight	2,9 kg

Burnishing machine TRINOXFLEX

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Unique tool attachment with quick-action coupling for tool-free changing of the system attachments for burnishing and pipe belt sanding
- Variably adjustable burnishing attachment, allows working close up to the edge, also suitable for narrow rollers, incl. edge guide
- Tool-free grinding tool change via a patented quick-change system
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- Adjustable guard: for sanding tools up to Ø 125 mm
- Single-pole switch
- Spindle lock
- For optimum finishing of various materials, for burnishing, texturing, polishing, brushing, smoothing, de-rusting and deburring steel and stainless steel surfaces

Standard equipment

1 grinding attachment for burnishing BS 100	433.462
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Accessories

Grinding attachment, pipe belt



Grinding attachment for pipe belt sanding. For the TRINOXFLEX. Tool-free fitting via the quick-change system. Variably adjustable attachment.

QTY/PKG:	Order no.
1	433.470

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Rubber air roller

For sensitive contour sanding.



Dimensions in mm:	QTY/PKG:	Order no.
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100 Ø x 100	1	433.896
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Expansion roller

For using grinding/polishing sleeves. These are simply pushed over the rubber holder and held securely in place by centrifugal force.



Dimensions in mm:	QTY/PKG:	Order no.
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100 Ø x 100	1	433.926
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Air pump



For pumping up rubber air rollers.

QTY/PKG:	Order no.
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1	256.284
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Drive roller



With stainless steel guide discs. Needed is the distance ring set (Order no. 250.522).

Dimensions	QTY/PKG:	Order no.
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in mm:

62 Ø x 70	1	303.054
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Poli-clean



Hard-structured fleece wheel. For cleaning welds and intensive, pore-deep removal of rust and oxidation layers.

Dimensions	Grit:	QTY/PKG:	Order no.
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in mm:

100 Ø x 100	extra coarse	1	257.375
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Flap wheel sanding



Flexible sanding wheel with individual flexible flap-type sanding lamellae and keyway. 2 wheels are required. For paint removal, sanding and strong graining applications. Removes scratches, rust, old paint, scale and burrs. The 40 grit employed enables the removal of even deep scratches on stainless steel.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 50	P 40	1	250.496
100 Ø x 50	P 60	1	250.498
100 Ø x 50	P 80	1	250.499
100 Ø x 50	P 120	1	250.501
100 Ø x 50	P 180	1	250.504
100 Ø x 50	P 240	1	250.505
100 Ø x 100	P 40	1	358.827
100 Ø x 100	P 60	1	358.835
100 Ø x 100	P 80	1	358.843
100 Ø x 100	P 120	1	358.851
100 Ø x 100	P 180	1	358.878
100 Ø x 100	P 240	1	358.886

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Sanding fleece top



Flexible fleece roller with heavy-duty fleece. Maximum service life and high grinding power shorten the grinding time. For stainless steel, steel, copper, brass and aluminium. For cleaning, burnishing and smoothing.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 100	A 80 (coarse)	1	377.910
100 Ø x 100	A 180 (medium)	1	377.929
100 Ø x 100	A 280 (fine)	1	377.937

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Metal surface finishing

Sanding fleece



Flexible polishing wheel made of sanding grit-impregnated nylon web with a keyway. Two wheels are required (for 50 mm wide fleece only). Achieves effective surface finishes on stainless steel, copper, aluminum, brass, etc. Also ideal for cleaning oxidized coatings and smoothing plastic and wood.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 50	A 80 (coarse)	1	250.509
100 Ø x 50	A 160 (medium)	1	250.510
100 Ø x 50	A 280 (fine)	1	250.512
100 Ø x 50	A 400 (very fine)	1	250.513
100 Ø x 100	A 80 (coarse)	1	256.973
100 Ø x 100	A 160 (medium)	1	256.974
100 Ø x 100	A 280 (fine)	1	256.975
100 Ø x 100	A 400 (very fine)	1	256.976

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Sanding fleece flap



Flexible combination of sanding flap and sanding fleece. Two wheels are required (for 50 wide). Suitable for dulling and finishing. Removes small scratches on metal, hard plastics and wood.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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100 Ø x 50	P 80/A 160	1	250.515
100 Ø x 50	P 150/A 280	1	250.516
100 Ø x 50	P 240/A 280	1	358.894
100 Ø x 100	P 80/A 160	1	256.977
100 Ø x 100	P 150/A 280	1	256.978
100 Ø x 100	P 240/A 280	1	358.908

Grinding fleece, folded



Flexible polishing wheel with multiple-folded grinding fleece for practically ridge-free grinding stainless steel, copper, aluminium, brass, etc.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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100 Ø x 100	A 100	1	347.272
100 Ø x 100	A 180	1	347.280
100 Ø x 100	A 280	1	347.299

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Metal surface finishing

Fine polishing roller



Soft rubber polishing wheel made of grit-impregnated rubber web. 2 rollers are required. For particularly bright longitudinal structures. Best effects are achieved on stainless steel.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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100 Ø x 50	K 60	1	250.525
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100 Ø x 50	K 180	1	250.526
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Nylon brushes



Impregnated with sanding grits. Flexible, interspersed plastic brushes. For deburring, cleaning, roughing and smoothing. (Also suitable for wood, brushing applications and removing fibres.) Needed is one piece plus distance ring set (order no. 250.522).

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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100 Ø x 70	S 80	1	251.624
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Stainless steel wire brush



Flexible stainless steel wire brush. Rust removal, deburring, roughing and paint removal. Needed is one piece plus distance ring set (Order no. 250.522).

Dimensions in mm:	QTY/PKG:	Order no.
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100 Ø x 70	1	251.625
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Stranded wire brushes



Made of strong, twisted, gold-colored steel wire. Extremely tough and rigid. For rust removal, deburring, removing dirt and old paint. Brings up the grain structure in wood. Needed is one piece plus distance ring set (order no. 250.522).

Dimensions QTY/PKG: Order no.
in mm:

100 Ø x 70 1 251.626

Polishing felt



Soft, flexible felt polishing wheel. Two wheels are required. For high-gloss polishing when using polishing pastes and creams.

Dimensions QTY/PKG: Order no.
in mm:

100 Ø x 50 1 257.374

Cotton buffing wheel



Polishing ring made of impregnated cotton cloth. Achieves a high-gloss polished finish on aluminum, brass and stainless steel. Needed are 8 pieces plus distance ring set (order no. 250.522).

Dimensions QTY/PKG: Order no.
in mm:

100 Ø x 10 8 317.950

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Metal surface finishing

Sanding-polishing sleeve

For high-gloss polishing without polishing agents in two steps.



Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 100	S 600	1	436.429
100 Ø x 100	S 1500	1	436.437

Sanding sleeve ZIRCOFLEX



Grinding sleeve with high-quality, self-sharpening zirconium corundum for a longer service life. High abrasion performance in coarse and intermediate grinding on steel and stainless steel surfaces.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 100	P 60	5	434.507
100 Ø x 100	P 80	5	434.515
100 Ø x 100	P 120	5	434.523

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Metal surface finishing

Sanding sleeve CERAFLEX



Flexible high-performance grinding sleeve for optimum grinding performance, with high abrasion performance and an extremely long service life thanks to self-sharpening, micro-crystalline ceramic grit for preliminary and intermediate grinding on stainless steel surfaces. Cool grinding thanks to additional multi-bonding.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 100	60	5	434.531
100 Ø x 100	80	5	434.558
100 Ø x 100	120	5	434.566

Sanding sleeve CORUFLEX



Highly flexible grinding sleeve with annealed corundum grit and active-grinding agents for finishing stainless steel. Particularly suitable for finish grinding.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
100 Ø x 100	P 180	5	434.574
100 Ø x 100	P 240	5	434.582

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Metal surface finishing

Sanding sleeve MESHFLEX



For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.

Dimensions	Grit:	QTY/PKG:	Order no.
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in mm:

100 Ø x 100	A 100	1	434.590
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For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.

Dimensions	Grit:	QTY/PKG:	Order no.
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in mm:

100 Ø x 100	A 240	1	434.604
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For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.

Dimensions	Grit:	QTY/PKG:	Order no.
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in mm:

100 Ø x 100	A 400	1	434.612
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Velcro sanding belt



For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	P 60	10	284.718
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For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	P 120	10	284.726
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Metal surface finishing

Velcro fleece



For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	A 100	2	281.069
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For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	A 180	2	281.077
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For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	S 400	2	281.085
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Superfinishing band



For high-gloss polishing of stainless steel. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions in mm:	Grit:	QTY/PKG:	Order no.
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600 x 40	S 1500	2	318.736
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Velcro drive belt, blue



For closing and releasing the different belts. Simple application - tensile resistance up to 100 kg. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions	QTY/PKG:	Order no.
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in mm:

700 x 30	2	281.050
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Adhesive tape for sanding belt



For sealing open sanding belts. The drive roller RA 62x70 INOX 303.054 is needed.

Dimensions	QTY/PKG:	Order no.
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in mm:

40 x 5000	1	251.838
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Case insert

Matching insert for BSE/BRE/BSE INOX 14-3 for carry case L-BOXX® 238.

QTY/PKG:	Order no.
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1	433.918
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Carrying case L-BOXX®



The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert.

External dimensions x W x H:	Internal dimensions x W x H:	Weight:	QTY/PKG:	Order no.
442 x 357 x 253	378 x 306 x 209	2,8	1	414.093