Our Best Ideas For Your
Metal
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Fax (+49) 2633 2000 983
demo@eisenblaetter.de
Dear customers and those interested in our products,

After moving operations to our new, highly modern company building in 2015, EISENBLÄTTER grew quickly, setting new standards for the development of new, even more powerful grinding machines and tools for metal surface technology.

More powerful abrasives of necessity require more powerful drive motors if they are to stand up to the mechanical and thermal loads in the long run. We have developed completely new machines of this type with unprecedented performance characteristics and torques.

In the interest of cordless freedom, battery-powered versions of nearly all new grinding machines have been developed using the revolutionary CAS system. CAS provides many manufacturers with cross-industry compatibility for the first time. This allows significant savings on a wide variety of battery-powered systems in the long term. All battery-powered devices have been developed for professional use and are scarcely less powerful or manageable than plug-in machines.

But most of the grinding systems have also been significantly improved, refined, and their performances optimised for our customers. Many articles have also been equipped with environmentally and user-friendly natural fibre components, and today, EISENBLÄTTER is the global leader in this forward-looking technology.

For our other core competence, manufacturing unique flap discs, we are introducing new, greatly improved products. Many articles have once again been raised to an entirely new level of performance.

The EISENBLÄTTER TEAM plans to continue to introduce especially economical, revolutionary, and environmentally friendly surface systems, all of them made in Germany.

Gerd Eisenblätter
David Eisenblätter
Certified quality!

DIN ISO certification according to the latest standards

Eisenblätter GmbH – inventor and innovation driver behind much of today’s familiar grinding technology – was certified according to the latest standard, DIN ISO 9001:2015, in 2018.

This certification in quality management guarantees our customers verifiable, consistent, high quality for our high-tech products, which are manufactured in Germany.

Product safety and environmental and user-friendliness have been the most important considerations at EISENBLÄTTER for decades!

Buy them now online!
Test the Eisenblätter online shop!

All information about our products, new items, and additional user videos can be found at www.eisenblaetter.de.
Natural fibre
Backing plate consists primarily of regenerative natural fibres

Flexible
Flexible material

Flexible
Flexible backing material

Copyrighted design
Design or product feature is under copyright

Patented
Patented

Patent pending
Patent pending

Approved for
Suitable for cutting

5° angle of incidence
Tool support at a 5° angle

Approved for
Suitable for rough and side grinding

Free of fibre glass
Free of fibre glass components

M14 integrated
Integrated M14 threads

Plus backing pad
To be used only with a suitable backing pad

Reduced noise
Noise level reduced under load

Flat contact surface area
Flat tool support

Trimmable
Trimmable tool backing plate

Balanced
Unique wheel balancing to ensure that the wheel runs perfectly

Accessories
Accessory items

Material: All metals
To be used on all metals

Material: Aluminium
To be used on aluminium

Material: Non-ferrous metals
To be used on non-ferrous metals

Material: Stainless steel
To be used on stainless steel

Material: Wood
To be used on wood

Material: Steel
To be used on steel

Material: Hard plastics
To be used on hard plastics

MPA tested
Tested by the Material Prüfanstalt testing authority

Expansion roller
Only to be used with a POLY-PTX® expansion roller

Eco Smart adapter
Only to be used with the POLY-PTX® Eco Smart adapter

Guaranteed free of rust
Registered trademark of Focus Rostfrei
NEW FROM EISENBLÄTTER

New plug-in machines
New battery-powered machines
Products with natural fibre backing plates

ANGULAR GRINDING – CIRCULAR GRINDING

Power tools
Cutting and rough grinding
Grinding and blending
Finishing and fine grinding
Polishing | Cleaning

MULTIFUNCTIONAL GRINDING

Power tools | Grinding and blending
Finishing and fine grinding | Polishing | Cleaning
Technical brushes | MINI FIX HOOK & LOOP system
Stationary machines | FIX HOOK & LOOP complete system
PINLOC | Flexible shafts

LINEAR GRINDING – SATIN FINISHING

Power tools
Grinding and blending
Finishing and fine grinding | Polishing
Cleaning | Technical brushes
Pipe machining with POLY-PTX®
Belt Grinding
Application overview
Power tools
Grinding and blending
Finishing and fine grinding
Polishing

Deburring and Beveling
Power tools
Stationary machines

Chemicals and Care Products
Cleaning
Protection
Preserving
Grinding additives
Test sets

Accessories
Product case
Stainless steel cover plate
Work safety
Ball joint mount
Newly developed drive motors for much more performance

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

Power transmission with a planetary gear

A high-quality planetary gear has been designed for grinding machines in the low speed range (such as POLY-PTX®, POLISHER, PIPE MAX etc.). It ensures wear-resistant power transmission with enormous additional torque.
Perfect high-tech: the new Eisenblätter machines win over users with increased power and longer service life – all because of the high-quality workmanship, innovative, patented technology, and familiar Eisenblätter quality characteristics in the areas of ergonomics and operability.

**DUST PREVENT SYSTEM – effective protection for the interior of the motor**

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.
Power transmission with a planetary gear

A high-quality planetary gear has been designed for grinding machines in the low speed range (such as POLY-PTX®, POLISHER, PIPE MAX etc.). It ensures wear-resistant power transmission with enormous additional torque.

100% leading battery-powered technology

LiHD – the highest-performance battery technology in the world covers power ranges from 400 to 3,200, providing sufficient power for even energy-intensive applications.
Discover cordless freedom! Take advantage of 100% compatibility of machines, battery packs, and chargers in a cross-manufacturer system! **CAS makes the most powerful battery system in the industry from Metabo and more than 30 years of battery competence available for Eisenblätter machines as well.**

What’s in it for you? Highest levels of reliability, clear cost benefits, and great investment security. **Cordless Alliance System (CAS)** is an association of leading power tool brands. This makes a number of professional applications from a wide variety of machine manufacturers available with the same battery system for the first time – from standard to special jobs.

### More power
with the new LiHD cell technology in conjunction with a newly developed battery pack
- Larger contacts and busbars capable of carrying high currents
- A cell connector made of a special copper delivers three times the conductivity

### More charge
- More active material in the cell
- High-quality materials (silver and copper) used

### More service life
and extreme robustness:
- Complete compound and protective lacquer on the electronics and optimum seal in the cover design ensure deal protection from internal contamination
- Rubber puffer protects the cells
- More usable energy means charging less often
- Exterior rubber battery pack coating ensures safe, non-slip positioning and serves as impact protection

**Find out more: www.cordless-alliance-system.de**
NATURAL FIBRE INSTEAD OF FIBRE GLASS

ENVIRONMENTALLY FRIENDLY
NO FIBRE GLASS DUST
FANTASTIC PRICE AND PERFORMANCE
100% SELF-TRIMMING

FIND OUT MORE ON PAGE 42
THE LATEST HIGH-TECH DISCS WITH
NATURAL FIBRE COMPOUND BACKING PLATES

TRIMFIX® HellFire®
for all metals
Grinding and blending p. 44

TRIMFIX® SteelFire®
for steel
Grinding and blending p. 46

Heavy-duty flap discs
for all metals or for steel
Grinding and blending p. 50/52

TRIMFIX® BLACK MAMBA®
For steel · Stainless steel
Grinding and blending p. 54

TRIMFIX® ZIRCOPUR®
For steel · Stainless steel
Grinding and blending p. 56

PLANTEX® Cool Top® Universal
For steel · Stainless steel · Non-ferrous metals · Hard plastics
Grinding and blending p. 58

TRIMFIX® SteelFire®
for steel
Grinding and blending p. 46

TRIMFIX® Fleece Flap
For all metals · Wood
Finishing and fine grinding p. 90

BRIGHTEX® FLAP
BERRY & SUN
for all metals
Polishing p. 96/97

MAGNUM® CLEAN-MIX
for all metals · Wood · Brick
Cleaning p. 102

MAGNUM® CLEAN-PLUS
for all metals · Wood
Cleaning p. 103

MAGNUM® CLEAN Strong
For all metals · Wood
Cleaning p. 104

THE LATEST HIGH-TECH DISCS WITH
NATURAL FIBRE COMPOUND BACKING PLATES
Don't settle for anything less than the best
# ANGULAR GRINDING — CIRCULAR GRINDING

## SECTION HIGHLIGHTS

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GRINDING AND BLENDING

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TIGER SHARK® Elastic p. 68
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FINISHING & FINE GRINDING

MAGNUM® DecoFinish p. 88

POLISHING

BRIGHTEX® FLAP BERRY & SUN p. 96/97

CLEANING

MAGNUM® CLEAN-PLUS p. 103
MAGNUM® STAINLESS-CLEAN p. 105
MAGNUM® CLEAN-MIX p. 102
MAGNUM® CLEAN Strong p. 104
Since the “ceramic age” of flap discs, and indeed of fibre, cutting, and rough grinding discs, the performance demands on hand-held electrical devices (angle grinders, etc.) have grown enormously.
Most devices can’t stand up to this added friction and contact pressure over the long haul. Grinders overheat quickly, switch off automatically, or the rotor and field coil burn through in no time. Eisenblätter has met this challenge by refining its ceramic flap discs and variable-speed angle grinder under the VARILEX® brand.
Effective immediately, the new VARILEX® 1802 HT (high torque) meets all performance demands of cutting-edge ceramic grinding discs of all kinds.

NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.
THE NEWLY DEVELOPED VARILEX® 1802 HT ANGLE GRINDER IS AMONG THE MOST ROBUST AND POWERFUL ONE-HANDED ANGLE GRINDERS IN THE WORLD AND IS MANUFACTURED ENTIRELY IN GERMANY.

DUST PREVENT SYSTEM FROM EISENBLÄTTER

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

Without DUST PREVENT SYSTEM:
Coarse dust particles are taken into the ventilation grilles without any intervening protection.

With DUST PREVENT SYSTEM:
Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.

Alternative:
For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).
OVERVIEW OF PRODUCT ADVANTAGES

• Extremely powerful, durable motor with 1,750 watts and optimised, wear-resistant power transmission and mechanism. With new ventilation technology for previously unattainable torques (high torque) made entirely in Germany.

• The newly developed, especially ergonomic shaft handle reduces strain on the user – at only 2.6 kg total weight, with rubberised inserts for a better grip.

• Optimised especially for ceramic grinding discs in the speed range of 2,400-8,900 rpm, variably and constantly adjustable with a tacho-generator for the highest efficiency.

• Spindle lock with robust, mechanical slip clutch. Prevents kickback if the tool binds.

• Ideal angle grinder for all surface finishing, grinding, cutting, rough grinding, cleaning, and polishing, for disc diameters of 115-150 mm.

• Balanced, vibration-damping transmission handle. Optional: vibration-damping 3D ball handle ensures balanced handling, even for overhead work.

• Ideal as a stationary drive motor for optional flexible shafts (M14 threads) or as a stationary motor for fixing on the workbench with the robust ball joint mount that can be delivered (optional).
Technical data **VARILEX® 1802 HT basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Discs up to (Ø mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
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<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>M14 thread</td>
<td>2,400-8,900</td>
<td>2.6</td>
<td>150</td>
<td>1</td>
<td>65031</td>
</tr>
<tr>
<td>CH (J)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>M14 thread</td>
<td>2,400-8,900</td>
<td>2.6</td>
<td>150</td>
<td>1</td>
<td>65031s</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>M14 thread</td>
<td>2,400-8,900</td>
<td>2.6</td>
<td>150</td>
<td>1</td>
<td>65031a</td>
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</table>

**Set contents:**
1. **VARILEX® 1802 HT machine**
2. **DUST PREVENT SYSTEM**
3. particulate matter protection cap
4. robust, impact-resistant plastic case for machine and accessories
5. protective cover up to Ø 125 mm
6. clip cut-off wheel cover up to Ø 125 mm
7. locking nut
8. chuck key
9. 10 high-performance flap discs Ø 125 mm
10. premium cutting discs Ø 125 x 1.0 mm

**Please Note:** For practical accessory sets, see page 32.
In order to noticeably increase the pulling power of battery-operated angle grinders and reduce the performance gap between them and normal power-cord-driven angle grinders, Eisenblätter offers a battery-powered angle grinder whose transmission and performance has been optimised.

Because of its great pulling power capacity, it is especially well-suited for use with flap discs and the multifaceted FIX HOOK & LOOP system. The speed, optimised for battery-powered machines (5,600 rpm), means that the flap disc grinding grit engages optimally and grinds cooler, preventing heat-related discolorations. The FIX HOOK & LOOP grinding and polishing system can be used for all grinding tasks, from coarse grinding to mirror finish. This means that, as of now, nearly all familiar processing steps can be performed completely cordlessly, including on construction sites or working on installation jobs.
**Technical data** **VARILEX® AKKU PRO HT basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V~Hz)</th>
<th>Power (V)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Discs up to (Ø mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
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<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 ~ 50-60</td>
<td>18</td>
<td>M14 thread</td>
<td>5,600</td>
<td>125</td>
<td>1.9</td>
<td>1</td>
<td>65271</td>
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**Set contents:**
1. VARILEX® Akku PRO HT machine
2. Robust, impact-resistant plastic case for machine and accessories
3. Particulate matter protection battery
4. LIHD batteries (5.5 Ah)
5. High-speed charging device including cable
6. Protective cover up to Ø 125 mm
7. Clip cut-off wheel cover up to Ø 125 mm
8. Locking nut
9. Chuck key
10. High-performance flap discs Ø 125 mm
10. Premium cutting discs Ø 125 x 1,0 mm

**Please Note:** For practical accessory sets, see page 32.
CORDLESS ALLIANCE SYSTEM

High-speed Charging Device

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

FEATURES

- Patented “AIR COOLED” charging technology: Batteries are cooled during charging for a much shorter charging time.
- High charging current ensures that the battery packs are charged quickly.
- Very low stand-by power consumption.
- Maximum charging current: 6.5 A.
- Process-controlled charge management for gentle charging and the greatest possible number of charging cycles.
- One charger for charging all battery packs from our CAS partner: www.cordless-alliance-system.de

Technical data:

<table>
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<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
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NEW

5.5/8.0 Ah Battery

18 volts, LiHD technology

Powerful high-tech 18-volt battery (LiHD) for all battery-powered tools in the CAS group.

Technical data:

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<thead>
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<td>CAS devices</td>
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<tr>
<td>8.0 Ah CAS battery</td>
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<td>8.0</td>
<td>CAS devices</td>
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Particulate Matter Protection Cap

Greatly reduces the risk of an electronic short circuit due to metal dust

The new particulate matter protection prevents fine dust and contamination particles from entering the machine’s interior and thus increase its service life. The breathable particulate matter protection can be easily cleaned and used many times. Just separate the particulate matter protection from the machine, clean it with a vacuum cleaner or blow it out with compressed air, and mount it on the machine’s ventilation slots, where it will lock.

Technical data:

<table>
<thead>
<tr>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARILEX® 1802 HT, VARILEX® POLISHER HT, POLY-PTX® 802 HT, PIPE MAX 802 HT, PIPE MAX HT MINI, PIPE SNIPER 802 HT, GLADIUS® 1802 HT</td>
<td>1</td>
<td>40084</td>
</tr>
</tbody>
</table>

Battery Particulate Matter Protection Cap

Greatly reduces the risk of an electronic short circuit due to metal dust

The new particulate matter protection prevents fine dust and contamination particles from entering the machine’s interior and thus increase its service life. The breathable particulate matter protection can be easily cleaned and used many times. Just separate the particulate matter protection from the machine, clean it with a vacuum cleaner or blow it out with compressed air, and mount it on the machine’s ventilation slots, where it will lock.

Technical data:

<table>
<thead>
<tr>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARILEX® AKKU PRO HT, VARILEX® POLISHER AKKU, POLY-PTX® AKKU HT, PIPE MAX AKKU, BAND-IT AKKU</td>
<td>1</td>
<td>40087</td>
</tr>
</tbody>
</table>
Suitable for
VARILEX® 1802 HT

Protective Cover
For safe grinding disc use. The locking mechanism makes the cover easy to change.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125</td>
<td>1</td>
<td>65042</td>
</tr>
<tr>
<td>Ø 150</td>
<td>1</td>
<td>65043</td>
</tr>
</tbody>
</table>

Suitable for
Protective cover for VARILEX® 1802 HT - VARILEX® 1000

Cut-off Wheel Cover Clip
For using cutting discs with VARILEX® 1000 and VARILEX® 1802 HT.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Suitable for a protective cover</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 125 mm</td>
<td>VARILEX® 1000, VARILEX® 1802 HT</td>
<td>1</td>
<td>65045</td>
</tr>
<tr>
<td>up to 150 mm</td>
<td>VARILEX® 1802 HT</td>
<td>1</td>
<td>65046</td>
</tr>
</tbody>
</table>

Suitable for
VARILEX®

3D Ball Handle including L-shaped Holder
for angle grinders with M8 mounts
For the first time, the new, soft 3D ball handle allows grinding that reduces strain on the user by allowing any working position, avoiding unnatural or exhausting hand positions. This makes overhead work child’s play.

Technical data:

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>All VARILEX® machines</td>
<td>1</td>
<td>65041</td>
</tr>
</tbody>
</table>
Suitable for
VARILEX® 1802 HT

Protective Suction Cover for VARILEX® 1802 HT
Suction hood with a brush ring and optimised flow channel for especially low-dust indoor and outdoor grinding.

Technical data:

<table>
<thead>
<tr>
<th>Article</th>
<th>Discs up to (Ø mm)</th>
<th>Connection for dust extraction (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective suction cover</td>
<td>125</td>
<td>Ø 35/41</td>
<td>1</td>
<td>65048</td>
</tr>
<tr>
<td>Replacement brush ring</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td>65055</td>
</tr>
</tbody>
</table>

VARILEX® 1000 One-handed Angle Grinder
The compact mini-powerhouse – professional, compact, variable-speed one-handed angle grinder for universal use. Easy-to-use one-handed angle grinder with effective capacity for flap discs of up to Ø 125 mm. Guaranteed to reduce strain on the user. Compact all-rounder you can keep with you: Ideal for use for fitting or on construction sites. Optimised speeds for a wide range of tools.

YOU CAN FIND MORE DETAILS ON PAGE 136.
POWER TOOLS
PRACTICAL ACCESSORY SETS FOR ANGLE GRINDERS

VARILEX® Coarse and Fine Grinding Accessory Set

This set allows performance of all work, from weld seam removal to surface cleaning to fine grinding, including cleaner and surface sealant. The ideal addition to any VARILEX® angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse and fine grinding</td>
<td>VARILEX® 1802 HT - AKKU PRO HT · VARILEX® 1000 - VARILEX® WSF 1800</td>
<td>1</td>
<td>65032</td>
</tr>
</tbody>
</table>

Contents:

- 1 mobile tool case
- 1 3D ball handle
- 5 MAGNUM® TWINFLEX® Ø 125 mm
- 1 TRIMFIX® Fleece Flap 1FOR2 Ø 125 mm
- 3 TRIMFIX® Fleece Flap Ø 125 mm
- 1 MAGNUM® CLEAN-PLUS Ø 125 mm
- 1 MAGNUM® CLEAN-STRONG Ø 125 mm
- 2 MAGNUM® Fleece Top Ø 125 mm
- 1 COLDSTEEL® backing pad Ø 125 mm
- 8 COLDSTEEL® fibre discs Ø 125 mm
- 1 BRIGHTEX® microfibre cloth
- 1 INOX PROTECT 50 ml
- 1 BRILLIANCE CLEAN 50 ml
- 1 Power Cleaner 50 ml

Suitable for
VARILEX® 1802 HT - AKKU PRO HT · VARILEX® 1000 · VARILEX® WSF 1800

VARILEX® FIX HOOK & LOOP Accessory Set

The ideal FIX HOOK & LOOP accessory package for diameters 60 and 115 mm. From coarse and fine grinding to a perfect mirror finish, including cleaner and surface sealing. The ideal addition to any VARILEX® 1000 or VARILEX® AKKU PRO HT angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse grinding to a mirror finish</td>
<td>VARILEX® 1000, VARILEX® AKKU PRO HT</td>
<td>1</td>
<td>65033</td>
</tr>
</tbody>
</table>

Contents:

- 1 mobile tool case
- 1 FIX HOOK & LOOP special backing pad, Ø 115 mm
- 1 FIX HOOK & LOOP soft damping adapter, Ø 115 mm
- 3 FIX HOOK & LOOP Cool Top®, Ø 115 mm
- 8 FIX HOOK & LOOP zirconium discs, Ø 115 mm
- 5 FIX HOOK & LOOP SC fleece discs, Ø 115 mm
- 3 FIX HOOK & LOOP Trizact™ discs, Ø 115 mm
- 4 FIX HOOK & LOOP BRIGHTEX® polishing discs, Ø 115 mm
- 1 MINI FIX special backing pad, Ø 60 mm
- 1 MINI FIX soft damping adapter, Ø 60 mm
- 3 MINI FIX Cool Top®, Ø 60 mm
- 3 MINI FIX Clean discs, Ø 60 mm
- 5 MINI FIX SC fleece discs, Ø 60 mm
- 3 MINI FIX Trizact™ discs, Ø 60 mm
- 4 MINI FIX BRIGHTEX® polishing discs, Ø 60 mm
- 1 BRIGHTEX® Softclean Powder
- 1 BRIGHTEX® microfibre cloth
- 1 BRILLIANCE CLEAN 50 ml
- 1 INOX PROTECT 50 ml
- 1 Power Cleaner 50 ml

Suitable for
VARILEX® AKKU PRO HT · VARILEX® 1000
VARILEX® Linear Grinding and Pipe Machining Accessory Set

This accessory set turns the VARILEX® 1000 into a miniature workshop. Linear grinding, pipe machining, angular grinding – all with a single machine. The ideal addition to the VARILEX® 1000 or VARILEX® AKKU PRO HT angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear and pipe grinding</td>
<td>VARILEX® 1000, VARILEX® AKKU PRO HT</td>
<td>1</td>
<td>65034</td>
</tr>
</tbody>
</table>

Contents:

1 mobile tool case  
1 VARILEX® satin finishing cover  
1 VARILEX® expansion roller, 90 x 50 mm  
2 zirconium sleeves, 90 x 50 mm  
3 SC fleece sleeves, 90 x 50 mm

4 Trizact™ sleeves, 90 x 50 mm  
4 BRIGHTEX® polishing sleeves, 90 x 50 mm  
1 VARILEX® grinding belt roller  
1 high-quality corundum grinding belt, 30 x 600 mm  
1 SC fleece belt, 30 x 650 mm

1 BRIGHTEX® microfibre cloth  
1 BRILLIANCE CLEAN 50 ml  
1 INOX PROTECT 50 ml  
1 Power Cleaner 50 ml

THE IDEAL ADDITION FOR THESE EISENBLÄTTER MACHINES:

VARILEX® 1802 HT p. 22  
VARILEX® AKKU PRO HT p. 26  
VARILEX® 1000 p. 136  
VARILEX® WSF 1800 p. 34
Suitable for

**COARSE GRINDING TO POLISHING**

### VARILEX®

WSF 1800

Robust, extremely powerful one-handed angle grinder with 1,750-watt output for challenging continuous operation at high torques.

#### FEATURES

- **Ideal drive for high-performance discs** such as TRIMFIX® HellFire®, TRIMFIX® BLACK MAMBA® and MAGNUM® Cool Top®, optimised exploitation of performance potential, ideal for work with rough grinding and cutting discs.
- Eminently suitable for **cleaning, fine grinding, and polishing of stainless steel and non-ferrous metals**, for the FIX HOOK & LOOP system and, with an adapter, for the MINI FIX HOOK & LOOP system.
- **Infinitely adjustable speed from 2,000 to 7,600 rpm** with a tacho-generator for constant speed, even under load.
- **Extremely powerful one-handed angle grinder** – suitable for disc sizes from 115 to 150 mm.
- Balanced and vibration-damping transmission handle reduces strain on the user.
- **Rubberised, ultra-ergonomic shaft handle** ensures outstanding handling and **sensitivity during work**.
- **Drive motor** for **flexible shafts** (M14 threads).
### Technical data VARILEX® WSF 1800 machine

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Speed (rpm)</th>
<th>Mount</th>
<th>Weight (kg)</th>
<th>Discs up to (Ø mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>QUICK-LOCK</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>2,000-7,600</td>
<td>M14 thread</td>
<td>2.8</td>
<td>150</td>
<td>1</td>
<td>65000</td>
</tr>
<tr>
<td>CH (J)</td>
<td>QUICK-LOCK</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>2,000-7,600</td>
<td>M14 thread</td>
<td>2.8</td>
<td>150</td>
<td>1</td>
<td>65000s</td>
</tr>
</tbody>
</table>

Delivery scope: 1 VARILEX® WSF 1800 machine, 1 QUICK-LOCK cable (4 m), 1 protective cover (up to Ø 125 mm), 1 locking nut, 1 flap disc Ø 125 mm.

- **Dust-proof field coil with special coating**
- **Easy speed control during operation; tacho-generator and thumb-operated setting wheel for constant speed, even under load**
- **QUICK-LOCK cable release for quick, easy change**
- **Powerful compact motor 1,750 W**
- **Maintenance cover for quick carbon brush change**
- **Spindle lock for changing discs, etc., without tools**
- **Foam rubber handle for vibration-free work**
- **Quick, easy disc change**
- **Ergonomically positioned, locking ON/OFF switch prevents hand fatigue**
- **Hinged, locking protective cover**
- **Optional particulate matter protection clips see pages 37 and 174**
- **Only from Eisenblätter: Rubberised handle for optimal, non-slip handling**
QUICK-LOCK Cable
Suitable for VARILEX® WSF 900, 1600 & 1800, POLY-PTX® 300, 500 & 800, ROLEI EF 115, PIPE MAX, PIPE SNIPER, and GLADIUS® 1800.

Technical data:

<table>
<thead>
<tr>
<th>Version</th>
<th>Cable length (m)</th>
<th>Voltage (V)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3</td>
</tr>
<tr>
<td>EU (C+F)</td>
<td>10</td>
<td>220-240</td>
<td>1</td>
<td>52005-3</td>
</tr>
<tr>
<td>CH (J)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3s</td>
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<td>AU</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3a</td>
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<tr>
<td>UK (G)</td>
<td>4</td>
<td>110</td>
<td>1</td>
<td>52004-3e</td>
</tr>
<tr>
<td>US (B)</td>
<td>4</td>
<td>120</td>
<td>1</td>
<td>52004-3u</td>
</tr>
<tr>
<td>Plug adapter – EU to UK</td>
<td>4</td>
<td>1</td>
<td>52004d</td>
<td></td>
</tr>
</tbody>
</table>

Suitable for
VARILEX® WSF 1800

Special Protective Cover
For cutting or grinding discs.
The locking mechanism makes the cover easy to change.

Technical data:

<table>
<thead>
<tr>
<th>Can be used for</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discs up to Ø 125 mm</td>
<td>1</td>
<td>65020</td>
</tr>
<tr>
<td>Discs up to Ø 150 mm</td>
<td>1</td>
<td>65021</td>
</tr>
<tr>
<td>Cutting discs up to Ø 125 mm</td>
<td>1</td>
<td>65023</td>
</tr>
</tbody>
</table>
POWER TOOLS

Locking Nut, Height-adjusting Washer, Thread Adapter from M10 to M14

**Locking nut:** Ultra-flat, blackened steel locking nut (just 4 mm) including chuck key for flat flange recesses and tools. For locking tools onto angle grinders.

**Height-adjusting washer:** Height-adjusting washer for the angle grinder spindle (for M14 only) for discs of up to Ø 178 mm with extra-long drive spindle. Also increases the contact surface area.

**Thread adapter:** Screw on the adapter and high-tech European discs can also be used on angle grinders produced in Asia.

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Dimensions (Ø mm)</th>
<th>Mount</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking nut</td>
<td>45</td>
<td>M14</td>
<td>1</td>
<td>65004</td>
</tr>
<tr>
<td>Height-adjusting washer</td>
<td>up to 178</td>
<td>M14</td>
<td>1</td>
<td>65005</td>
</tr>
<tr>
<td>Thread adapter</td>
<td>M10 to M14</td>
<td>M10</td>
<td>1</td>
<td>65006</td>
</tr>
</tbody>
</table>

Particulate Matter Protection Clips

Greatly reduces the risk of an electronic short circuit due to metal dust

The new dust protection clips prevent fine dust and contamination particles from entering the machine’s interior and thus increase its service life. The breathable filter fleece is easy to replace – if necessary, the operation takes a few seconds. Just remove the dust protection clip from the machine, replace the dirty filter fleece with a new one, and mount it on the machine’s air intake slots, where it will lock.

**Technical data:**

<table>
<thead>
<tr>
<th>Contents</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 clips and 22 filter fleeces</td>
<td>POLY-PTX® 300/500/800, VARILEX® 1600/1800, PIPE MAX, PIPE SNIPER, GLADIUS® 1800, ROLEI EF 115</td>
<td>1</td>
<td>40085</td>
</tr>
</tbody>
</table>
Suitable for ALL METALS

**MAGNUM® RAZORCUT®**

Platinum long-life cutting disc for all metals

Revolutionary cutting disc with unparalleled performance (up to 130 cuts) (test material: stainless steel pipe Ø 27 mm with 2-mm wall thickness). The high-performance cutting disc is remarkable for its high precision, aggressive cutting speed, and extremely long service life.

**FEATURES**

- The disc thickness of only 1 mm allows exceptionally precise cuts.
- Ideally suited to all metals – simplifies material procurement and storage.
- Up to 50% better performance than conventional products.
- Considerably fewer disc changes means huge working time savings.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 12413)</th>
<th>Shape</th>
<th>Hardness</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x 22.2</td>
<td>1</td>
<td>12,200</td>
<td>80 m/sec</td>
<td>straight</td>
<td>hard</td>
<td>25</td>
<td>85122</td>
</tr>
</tbody>
</table>

• The disc thickness of only 1 mm allows exceptionally precise cuts.
• Ideally suited to all metals – simplifies material procurement and storage.
• Up to 50% better performance than conventional products.
• Considerably fewer disc changes means huge working time savings.
CUTTING AND ROUGH GRINDING

Suitable for

ALL METALS ★★★★★

MAGNUM® FINECUT

Premium cutting disc

Special high-performance cutting disc for thin-walled profiles and pipes and premium quality job.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 12413)</th>
<th>Shape</th>
<th>Hardness</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 22.2</td>
<td>1</td>
<td>13,300</td>
<td>80 m/sec</td>
<td>straight</td>
<td>hard</td>
<td>25</td>
<td>85111</td>
</tr>
<tr>
<td>Ø 125 x 22.2</td>
<td>1</td>
<td>12,200</td>
<td>80 m/sec</td>
<td>straight</td>
<td>hard</td>
<td>25</td>
<td>85112</td>
</tr>
</tbody>
</table>

Suitable for

ALL METALS ★★★★★

MAGNUM® TWINFLEX®

Cutting and rough grinding in a single disc

The combination disc allows cutting and rough grinding with a single product. It is indispensable during jobs where workers are constantly changing discs over. Ideally suited for alternating cutting and grinding applications.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Shape</th>
<th>Hardness</th>
<th>Approved for (DIN EN 12413)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x 22.2</td>
<td>2.5</td>
<td>12,200</td>
<td>off-set</td>
<td>hard</td>
<td>80 m/sec</td>
<td>25</td>
<td>85412</td>
</tr>
</tbody>
</table>
Suitable for **ALL METALS**

**MAGNUM® FLEXO**

Premium rough grinding disc

The outstanding features of this universal rough grinding disc are its great aggressiveness, long service life, and material removal performance. Ideal for stainless steel. Eminently suited for difficult deburring jobs.

**FEATURES**

- Suited to all metals – simplifies material procurement and storage.
- Considerably fewer disc changes means **huge working time savings.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 12413)</th>
<th>Shape</th>
<th>Hardness</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x 22.2</td>
<td>6</td>
<td>12,200</td>
<td>80 m/sec</td>
<td>off-set</td>
<td>Medium</td>
<td>10</td>
<td>85312</td>
</tr>
</tbody>
</table>

**ALL METALS**
At the end of the 1970s, Eisenblätter developed the first zirconium-based flap disc for high-speed angle grinders. This led to the unprecedented triumph of flap disc that today are well-known on all continents. This makes EISENBLÄTTER the initiator of and precursor to today’s flap discs. Almost 50 years of experience in flap disc innovation and manufacture give us unrivalled technology, and we are now one of the biggest manufacturers in the world. In terms of environmental friendliness, material removal, durability, and quality, Eisenblätter flap discs are among the very best in the world and constitute an industry benchmark.

Simply superb
Material removal, grinding quality, and service life:
The grit mix and abrasive cloth and the right combination of elastic backing material, flap angle, hard compression, and gluing system ensure performance and service life.

Environmentally and user-friendly
At Eisenblätter, we attach the greatest value to environmental user-friendliness in our selection of raw materials. We don’t use glass fibre, mineral fibres, or epoxy resins in our products. We use sustainable, renewable raw materials to produce our flap discs. Right from the start, we’ve used food-grade special plastics for our backing plates. Eisenblätter’s greatest contribution to environmental friendliness, high-tech components, and user protection was the development of its natural-fibre-compound backing plate. This revolutionary technology raised grinding technology to a new level. Today, it offers the highest in resource conservation and environmental friendliness. The grit mix and abrasive cloth were refined and many grinding processes simplified and revolutionised.

This provides:
• Improved adaptation to the workpiece because of the elasticity offered by all backing technologies available from Eisenblätter
• Self-trimming, which for the first time allows 100% of the abrasive cloth to be used
• No troublesome fibre glass dust
• Reduced noise level and vibrations
• Maximum service life for all components because of painstaking test procedures and unique patented manufacturing processes

Unique, revolutionary manufacturing processes
The special manufacturing process gives the abrasive cloth its necessary moisture and elasticity, greatly extending fabric durability.
The abrasive flaps are anchored and hard-compressed in an elastic system. This has an enormously positive effect on flap disc service life.

Safety, quality, tests
A great deal of testing apparatus and many robots are in use every day to test and ensure the systems’ high performance. But manual tests are also important for simulating extreme conditions. Many of our products are also tested and certified by MPA Hannover, one of the oldest and most experienced official materials testing institutes in Germany.
The invention and development of the natural fibre compound backing plate for abrasive technology began an entirely new chapter in grinding disc production with respect to performance, technology, and environmental friendliness. The years of experience in developing natural fibre technology have culminated in superior surface machining from which customers always benefit in daily use.
Grinds down to the last millimetre

Backing plates made of natural fibre compound trim themselves during the grinding process. Trimming during machining is also simple and easy (it gives off a pleasant wood chip smell). Flap discs with natural fibre compound backing plates can be used right down to the last millimetre of abrasive cloth. Trimming leaves soft, harmless shavings which can be disposed of as household waste.

Easy trimming during operation

Flap discs with natural fibre compound backing plates have a fibre substrate with damping, even elastic properties that enhance their performance in grinding operations. This backing plate elasticity allows better adjustment, a larger contact surface area on the workpiece (more grit being used), and, of course, more material removal. The greater contact surface area dissipates more heat, grinding is cooler, the workpiece does not tarnish as easily, and the abrasive cloth does not burn.

Advantages of natural fibre compound backing plates

• 100% made in Germany
• Much greater elasticity and better workpiece adaptation
• Large grinding area results in low grinding temperatures
• Self-trimming properties for up to 100% use of the abrasive cloth
• This allows immediate cost savings of at least 30-40%
• Heat insulation, damping properties
• Lower noise level and less vibration during grinding
• No danger of injury from sharp fibre glass edges
• No fibre glass dust in the air
• Backing plates are resistant to most chemicals
• Very great work safety
• Sustainable raw materials ensure a low CO₂ footprint

Ideal workpiece adaptation with a viscoelastic backing plate

The patented Eisenblätter production process means that only Eisenblätter grinding discs are truly flexible. This allows not only more efficient work, but also reduced grinding temperature due to the larger workpiece support area.

Quality has been certified by the MPA Hanover materials testing agency
Suitable for

ALL METALS

TRIMFIX® HellFire®
Ceramic Hybrid

One disc for all metals

The TRIMFIX® HellFire® is one of the most modern, versatile flap discs in the world. Its unparalleled, innovative ceramic hybrid technology, enables it to machine any metal in record time with a single grit. It is user-friendly (no glass fibre components) and environmentally friendly (uses CO₂-neutral natural fibre components). Working time and tool costs are halved – and all at an absolutely outstanding price-performance ratio.

FEATURES

- 40 grit material removal with 60 grit grinding results.
- Multigrain (40/60) saves on extra storage required for different grits.
- New ceramic hybrid fabric allows workpiece grinding with just one grit in the coarse-to-medium grit range.
- Fewer work steps at the highest level of performance.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- Especially soft grinding transitions thanks to ideal workpiece adaptation.

The TRIMFIX® HellFire® achieves the same high grinding performance on all metals.
## Technical data TRIMFIX® HellFire®

<table>
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<th>Dimensions (mm)</th>
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TRIMFIX® HellFire® guarantees first-class work results

Even extremely hard, tough steel, such as Leopard 2 tank gun tube, can be easily machined with great results.

Ceramic hybrid cloth
One disc with one grit grinds from coarse to medium in a single operation

Multigrain (40/60)
Saves on extra storage required for different grits

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOUND

Suitable for
STEEL

TRIMFIX® SteelFire®
The performance marvel on steel – unprecedented flap disc steel removal

In order to counter the growing pressure of labour costs, Eisenblätter is launching a new generation of flap discs for steel machining based on 45 years of experience in developing cutting-edge grinding tools. This revolutionary product was developed especially for high-performance areas in steel construction such as shipyards, bridge-building, railroads, energy-sector construction, and building construction and civil engineering: anywhere where it is important to work effectively in the shortest possible time. The special formulation with hybrid grit technology and patented arrangement of abrasive cloth ensures material removal rates that were unimaginable a short time ago.

• High-tech zirconium hybrid flap disc, especially for time-saving high-speed steel removal.
• Uniform grinding results and cool grinding – without discolouration.
• Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
• The viscoelastic backing plate ensures optimum workpiece adaptation for particularly soft grinding transitions.

• Great labour savings (see the sample calculation on p. 73 and at www.eisenblaetter.de).
• Its enormous material removal and rapid grinding effect lead us to recommend a performance-optimised, variable-speed, high-torque angle grinder – VARILEX® 1802 HT from Eisenblätter meets every element of this description and is the ideal counterpart for the TRIMFIX® SteelFire® flap disc.
• Also suitable for stainless steel (Fe-S-Cl<0.1%).

The newly developed high-torque VARILEX® 1802 HT angle grinder greatly shortens work time and reduces labour costs. For potential cost savings, see p. 73.
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOND

Technical data TRIMFIX® SteelFire®

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The zirconium hybrid cloth ensures consistent performance and long service life to the end of the disc.

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.

High-speed steel removal with extremely long service life. The low-cost way to grind!
POWER GRINDING WITH COMPACT TOOLS
HEAVY-DUTY

POWER GRINDING

Shipyards, ships, bridge-building, heavy-duty steel construction, etc.

Eisenblätter is introducing heavy-duty flap discs in Ø 125 mm for the first time. Their material removal is the same as conventional flap discs of Ø 180 mm. HellFire® and SteelFire® Heavy-Duty exceed all previous removal rates for conventional flap discs. The newly developed high-torque VARILEX® 1802 HT angle grinder greatly shortens work time and reduces labour costs. For potential cost savings, see p. 73.
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOUND

Suitable for
ALL METALS

TRIMFIX® HellFire®
Heavy-Duty

Power grinding with compact tools

Eisenblätter is introducing heavy-duty flap discs in Ø 125 mm for the first time. Their material removal is the same as conventional flap discs of Ø 180 mm. The HellFire® Heavy-Duty flap discs exceed all previous removal rates for conventional flap discs for all metals. The newly developed high-torque VARILEX® 1802 HT angle grinder greatly shortens work time and reduces labour costs. For potential cost savings, see p. 73.

FEATURES

• Ceramic hybrid cloth with extra-wide flaps.
• Unrivalled material removal in a very short time.
• Huge work time and cost savings (can be more than €20,000) (see sample calculations on page 73).
• Large flap overhang for work in corners.
• With integrated M14 threads for quick tool changes without tools.
• Also suitable for robotic grinding applications.
• Patented flap configuration.
• The fastest and cheapest way to grind! Absolutely requires a high-torque angle grinder such as VARILEX® 1802 HT.
• Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
• Please Note: Not suitable for angle grinder of less than 1,600 watts!
Technical data TRIMFIX® HellFire® Heavy-Duty

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Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.

Ceramic hybrid cloth
One disc with one grit grinds from coarse to medium in a single operation

Multigrain (40/60)
Saves on extra storage required for different grits
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOUND

Suitable for
STEEL

TRIMFIX® SteelFire®
Heavy-Duty

Power grinding with compact tools

Eisenblätter is introducing heavy-duty flap discs in Ø 125 mm for the first time. Their material removal is the same as conventional flap discs of Ø 180 mm. The SteelFire® Heavy-Duty flap discs exceed all previous removal rates for conventional flap discs for steel. The newly developed high-torque VARILEX® 1802 HT angle grinder greatly shortens work time and reduces labour costs. For potential cost savings, see p. 73.

FEATURES

• Zirconium hybrid cloth with extra-wide flaps.
• Unrivalled material removal in a very short time.
• Huge work time and cost savings (can be more than €20,000) (see sample calculations on page 73).
• Large flap overhang for work in corners.
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• Also suitable for robotic grinding applications.
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• The fastest and cheapest way to grind! Absolutely requires a high-torque angle grinder such as VARILEX® 1802 HT.
• Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
• Also suitable for stainless steel (Fe-S-Cl<0.1%).

Please Note: Not suitable for angle grinder of less than 1,600 watts!
Technical data TRIMFIX® SteelFire® Heavy-Duty

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The zirconium hybrid cloth ensures consistent performance and long service life to the end of the disc.

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOUND

Suitable for
STEEL · STAINLESS STEEL

TRIMFIX® BLACK MAMBA®
One of the most powerful flap discs in the world

The TRIMFIX® BLACK MAMBA® is a high-performance flap disc for steel. It is designed to deliver extremely long service life and exceptional material removal for modern steel machining operations. The newly developed pure zirconium cloth with cooling agents and great abrasive content makes it ideal for machining all grades of steel up to stainless steel. The backing plate is made of natural fibre and is environmentally and user-friendly while adjusting flexibly to the workpiece, guaranteeing smooth grinding transitions. The TRIMFIX® BLACK MAMBA® can be trimmed, allowing significant tool cost saving.

Up to 4 kg of steel can be removed using just one BLACK MAMBA® Ø 125 mm grit 40 disc.

FEATURES

- The high-performance flap disc offers exceptional service life and material removal for steel and stainless steel.
- Newly developed pure zirconium cloth with cooling agents guarantee cool grinding and performance throughout the service life.
- Sets new performance records with a nominal removal rate of up to 4 kg of steel (depending on grit size).
- Ideal workpiece adaptation ensures especially soft grinding transitions.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
Technical data TRIMFIX® BLACK MAMBA®

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100% pure zirconium fabric
Exceptionally long service life and durability with steel and stainless steel

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration

This disc can remove up to one kilogram of steel in 15-20 minutes. The cool grinding makes it eminently suitable for stainless steel.
Suitable for

STEEL · STAINLESS STEEL

TRIMFIX® ZIRCOPUR®

For universal grinding work on steel and stainless steel

The quality flap disc with its revolutionary TRIMFIX® backing plate technology is equipped with high-tech zirconium fabric for first-rate grinding results at an unbeatable price for this superb quality. The viscoelastic backing plate of natural fibre compound allows the disc to adapt perfectly to the workpiece surface. Available in all commonly used sizes and grits, it is a universal aid you can rely on.

FEATURES

- High-tech zirconium cloth for great grinding performance on steel and stainless steel.
- Very good grinding results with unbeatable price-performance ratio.
- Ideal workpiece adaptation ensures especially soft grinding transitions.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
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**GRINDING AND BLENDING**

**FLAP DISCS ON A NATURAL FIBRE COMPOUND**

**Technical data TRIMFIX® ZIRCOPUR®**

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**High-tech zirconium cloth**

Easy-to-use, cool grinding, even in continuous operation

**Elastic, high-tech natural fibre compound backing plate**

is easy on the environment and the user (CO₂-neutral),
fully trimmable so that the entire disc can be used,
damps noise and vibration

Grit available in all commonly used industrial dimensions and grits

**MPA tested**
GRINDING AND BLENDING
FLAP DISCS ON A NATURAL FIBRE COMPOUND

Suitable for
STEEL · STAINLESS STEEL · NON-FERROUS METALS · HARD PLASTICS

PLANTEX® Cool Top® Universal

Its 100% pure zirconium on 100% cotton cloth ensures outstanding grinding behaviour on all materials.

Since Eisenblätter launched the first flap disc with pure zirconium cloth for high-speed angle grinders at the end of the 1970s, it has repeatedly had innovative ideas that decisively influenced the development of the flap disc. Natural fibre compound is an ideal material for backing plates. With the development of this new manufacturing technique, PLANTEX® Cool Top® Universal became the first flap disc in the world with a backing plate of renewable hemp.

FEATURES

- Ultra-safe to work with.
- Conserves resources and is environmentally friendly.
- Minimises pollution from manufacture to disposal.
- Absorbs heat (hollow-fibre insulation reduces temperature during grinding).
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂ neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- Easy to dispose of.
- Superb insulating, damping, and noise-reducing qualities.
- High strength at low weight.
- Exhibits great dimensional stability while remaining flexible.
- Resistant to most chemicals.
- Good energy-CO₂ balance.
## Technical data PLANTEX® Cool Top® Universal

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### Free of Fibre Glass

- Stainless steel (Edelstahl)
- Zirconium (Elastic, high-tech natural fibre compound backing plate)
- Polypropylene (PP) 70%
- Natural Fibre 30%

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
Suitable for

STEEL - STAINLESS STEEL

MAGNUM®

Cool Top® 5+

The legendary, original MAGNUM® high-performance-flap disc with extremely high fabric content for extremely long service life

FEATURES

• Long, quick, efficient grinding. Has been the price-performance benchmark for years.

• The ultra-powerful zirconium flap disc with a backing plate of food-grade plastic.

• Can be used universally for steel, cast iron, and stainless steel. For surface and edge grinding, coarse and intermediate grinding, machining fillet welds, removing rust, deburring, and cleaning castings.

• In many companies, it replaces not only fibre discs, but also rough grinding discs.

• Backing plate of specially developed flexible, food-grade plastic: easy to trim, damps vibration, and completely free of glass fibre.
## Technical data MAGNUM® Cool Top® 5+

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### Steel material removal in 15 minutes (steel/ST37)

- **Ø 125 x 22.2**: 125 mm, 1000 g
- **Ø 178 x 22.2**: 178 mm, 500 g
- **Backing plate**: made from specially developed flexible, food-grade plastic, easy to trim, dampens vibration, and completely free of glass fibre.
- **Legendary abrasive formulation**: Pure zirconium plus cooling agent guarantees huge benefits compared to conventional flap discs: Often up to 50% faster in removing material, many times the service life of conventional flap discs with cooler grinding due to additional cooling agents.
MAGNUM® Fillet Weld

High-performance flap disc with great flap overhang – a problem-solver in corners

FEATURES

- For perfect **low-cost machining of corner, edge, and fillet welds**.
- The large, **flexible overhang of the abrasive flaps** over the backing plate adjusts perfectly to the shape of a fillet weld.
- **Smooth blends on corner welds**.
- **Clean, groove-free results**.
- The same grinding performance and service life as the MAGNUM® Cool Top® 5”.

- Backing plate of specially developed flexible, food-grade plastic: **easy to trim, damps vibration, and completely free of glass fibre**.
- Legendary abrasive formulation (pure zirconium plus cooling agent) guarantees huge benefits compared to conventional flap discs: Often up to 50% faster in removing material, many times the service life of conventional flap discs with **cooler grinding due to additional cooling agents**.
Technical data MAGNUM® Fillet Weld

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Legendary abrasive formulation
Pure zirconium plus cooling agent guarantees huge benefits compared to conventional flap discs.
Often up to 50% faster in removing material, many times the service life of conventional flap discs with cooler grinding due to additional cooling agents.

The wide flap overhang guarantees soft transitions and easy access to corners.

Backing plate made from specially developed food-grade, flexible plastic:
- easy to trim,
- flexible,
- damps vibration,
- and completely free of glass fibre.

Designed for rounding off weld seams in corners.

The disc can be machined to trim it for use right down to the last millimetre.

FREE OF FIBRE GLASS
5° ANGLE
PATENTED
REDUCE NOISE
FLEXIBLE
TRIMMABLE
DESIGN COPYRIGHT
STAHL STEEL
EDELSTAHL STAINLESS

MPA tested
**MAGNUM® Ceramic**

Ceramic high-performance flap disc with exceptional grinding performance on all metals and hard-to-grind materials

**FEATURES**

- Advanced high-performance ceramic disc for maximum performance.
- Extremely time-saving for stainless steel, steel, titanium, and bronze removal.
- Exceptionally cool grinding behaviour prevents discoloration.
- Backing plate of specially developed flexible, food-grade plastic: easy to trim, damps vibration, and completely free of glass fibre.
- Trimable backing plate allows complete use of all abrasive flaps.
- Elasticity provides damping and noise-reducing properties.

**Suitable for**

**ALL METALS**

**GRINDING AND BLENDING**

**FLAP DISCS**
Technical data MAGNUM® Ceramic

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Free of Fibre Glass
Patented
Reduce Noise
Flexible
Trimmable
Suitable for all metals

High-performance ceramic formulation
Highest grinding performance on all metals

Backinmg plate made from specially developed food-grade, flexible plastic: easy to trim, flexible, damps vibration, and completely free of glass fibre

**EISENBLÄTTER Ceramic self-sharpening process**

The existing grinding force breaks off sintered microcrystals, continuously giving the grit new, sharp cutting edges.
Suitable for

**STEEL · CAST IRON · STAINLESS STEEL**

**BLUE SHARK® Elastic**

Highly flexible flap disc with zirconium cooling layers for especially smooth, flat finishes, ideally suited for use in sheet metal working, with a particularly long service life and superb cooling effect.

**FEATURES**

- Highly flexible, especially damping flap disc with low overall height.
- For exceptionally smooth, flat finishes for such operations as the surface grinding of large constructions.
- The highly flexible backing plate allows the grinding disc to adjust ideally to the workpiece surface.
- Cooler grinding behaviour makes it ideal for sheet metal.
- The effective contact surface area is larger, so heat dissipation is considerably greater. This largely prevents workpiece discoloration.
- Backing plate of specially developed food-grade, flexible corrugated plastic: easy to trim, damps vibration, and completely free of glass fibre.
- Larger contact surface area ensures much longer service life than that of conventional flap discs.
Technical data BLUE SHARK® Elastic

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- **FLEXIBLE**
- **FREE OF FIBRE GLASS**
- **PATENTED**
- **REDUCE NOISE**
- **REDUCIBLE**
- **STAINLESS STEEL**
- **STAINLESS STEEL**

**Abrasives formulation with cooling agents**

allows great material removal

**The disc can be machined to trim it**

for use right down to the last millimetre

**Backing plate made from specially developed food-grade, flexible plastic:**

easy to trim, flexible, dampens vibration,

and completely free of glass fibre

**Large contact surface area**

due to great elasticity provided by unique corrugation
Suitable for

ALUMINIUM · STEEL · NON-FERROUS METALS

**TIGER SHARK® Elastic**

Highly flexible flap disc with cooling effect for smooth, flat grinding surfaces – ideal for machining aluminium

**FEATURES**

- The special corundum abrasive cloth prevents smearing during aluminium grinding.
- **TIGER SHARK® + ALU-FIX OIL** deliver up to 300% more material removal and **three times the service life**.
- Visibly improved grinding results.
- The **highly flexible** backing plate allows the grinding disc to adjust ideally to the workpiece surface.
- High grinding performance at **low tool costs**.
- High material removal capacity at reduced grinding temperature.
- Ideal for **curved surfaces and shaped pieces** such as those encountered in car bodywork, motor vehicle workshops, and railway carriage and tool construction.
- Backing plate of specially developed food-grade, flexible corrugated plastic: **easy to trim, damps vibration, and completely free of glass fibre**.
Technical data TIGER SHARK® Elastic

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<td>Ø 125 x 22.2</td>
<td>6,000-8,000</td>
<td>12,200</td>
<td>80 m/sec</td>
<td>special flexible plastic</td>
<td>10</td>
<td>40</td>
<td>94124</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>80</td>
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<td></td>
<td></td>
<td>120</td>
<td>94129</td>
</tr>
<tr>
<td>Ø 178 x 22.2</td>
<td>5,000-6,000</td>
<td>8,500</td>
<td>80 m/sec</td>
<td>special flexible plastic</td>
<td>10</td>
<td>40</td>
<td>94134</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>94136</td>
</tr>
</tbody>
</table>

Special corundum abrasive cloth
No smearing during aluminium grinding for aluminium

Back ing plate made from specially developed food-grade, flexible plastic:
- easy to trim, flexible, damps vibration, and completely free of glass fibre

The disc can be machined to trim it for use right down to the last millimetre – ideal for machining aluminium

Large contact surface area due to great elasticity provided by unique corrugation

TIGER SHARK® + ALU-FIX OIL
Achieves up to 300% more material removal and ensures a service life that is up to three times as long!
ZIRCOTEX®
Nylon Flat

The legendary flat flap disc – ideal for levelling weld seams on flat surfaces

FEATURES

- Extremely wide zirconium double flaps (30 mm at Ø 115 mm) improve heat distribution and enhance the cooling effect.
- Service life is around 50 times that of conventional corundum fibre discs.
- For rough grinding, smoothing, and cleaning weld seams and spot welds.
- Very large abrasive surface for a long service life.
- Flat contact area for perfect weld blending on outer edges (weld seam edges).
- Ideal for flat surfaces, switch cabinet construction, and welding assemblies.
- Suitable as an alternative to the ROLEI EF 115 deburring tool (page 258).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 13743)</th>
<th>Backing plate</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 22.2</td>
<td>7,000-8,000</td>
<td>13,200</td>
<td>80 m/sec</td>
<td>Polyamide</td>
<td></td>
<td>40</td>
<td>21040</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>120</td>
<td>21120</td>
</tr>
</tbody>
</table>
Flap Disc Test Box

This is where you can find the ideal grinding disc for your individual application

The ten best high-tech flap discs in a single box, including sales documents.

Technical data:

<table>
<thead>
<tr>
<th>Product description</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test box with 10 different high-tech grinding discs</td>
<td>1</td>
<td>99316</td>
</tr>
</tbody>
</table>

Set contents:

1 TRIMFIX® ZIRCOPUR® 125 x 22.2 mm, 40 grit
1 TRIMFIX® BLACK MAMBA® 125 x 22.2 mm, 40 grit
1 TRIMFIX® HellFire® 125 x 22.2 mm, Multigrain 40/60
1 TRIMFIX® HellFire® Heavy-Duty 125 mm x M14, Multigrain 40/60
1 TRIMFIX® SteelFire® 125 x 22.2 mm, 40 grit

1 TRIMFIX® SteelFire® Heavy-Duty 125 mm x M14, Multigrain 40/60
1 PLANTEX® Cool Top® Universal 125 x 22.2 mm, 40 grit
1 BLUE SHARK® Elastic 125 x 22.2 mm, 40 grit
1 TIGER SHARK® Elastic 125 x 22.2 mm, 40 grit
1 MAGNUM® Cool Top® 5+ 125 x 22.2 mm, 40 grit

Suitable for:

STEEL - STAINLESS STEEL - NON-FERROUS METALS

Cool Top® Flap Disc

Quick-change mini zirconium flap disc. Ultra-long service life; high material removal; uniform, clean results without material discolouration; adjusts ideally to the workpiece.

Available for these quick-change systems:

- FIX HOOK & LOOP
  MORE DETAILS ON P. 143
- MINI FIX HOOK & LOOP
  MORE DETAILS ON P. 124
- PINLOC
  MORE DETAILS ON P. 132

NEW! MANY NEW PRODUCTS NOW AVAILABLE WITH THE PINLOC SYSTEM!

See pages 128.
Improve performance with Eisenblätter products!
Earn money while you grind!
Increase your employees’ efficiency!

AVERAGE COST OF LABOUR

Average work time for one grinding employee per year: 2,000 h
Average cost for the company per hour (including ancillary costs and social benefits): €35/h
Average cost to the company per grinding employee per year: €70,000

USE EISENBLÄTTER PRODUCTS – GIVE YOUR EMPLOYEES MORE POWER:

High-torque one-handed angle grinder with optimised speed combined with...

...High-tech flap discs with high material removal and long service life

VARILEX® 1802 HT
One-handed angle grinder

TRIMFIX® SteelFire®, HellFire® or BLACK MAMBA®

30-40%
IMMEDIATE PERFORMANCE JUMP!

SAVINGS POTENTIAL FOR LABOUR COSTS FROM FEWER OPERATING HOURS

More than €20,000/year

From shorter set-up times, longer grinding, and greater material removal with Eisenblätter products!
Efficiency in perfection: Flap discs from Eisenblätter!
Do cheap discs pay?
A cost comparison.

**EISENBLÄTTER**
flap discs

Cost pro disc approx. €1.85
for such brands as TRIMFIX®, SteelFire®, HellFire®, or BLACK MAMBA®

**Cheap zirconium**
flap discs

Cost per disc approx. €1.00

<table>
<thead>
<tr>
<th>MATERIAL REMOVAL PRO DISC</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Steel (S235JR/ST37)</strong></td>
<td>4.5 kg/h</td>
</tr>
<tr>
<td><strong>Cheap zirconium</strong></td>
<td>2.5 kg/h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ø</th>
<th>Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4.5 kg</strong></td>
<td><strong>1.25 kg</strong></td>
</tr>
<tr>
<td><strong>60 min</strong></td>
<td><strong>30 min</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRINDS PER YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9,000 kg</strong></td>
</tr>
<tr>
<td>2,000 h x Ø 4.5 kg</td>
</tr>
</tbody>
</table>

| **5,000 kg** |
| 2,000 h x Ø 2.5 kg |

For material removal of **9,000 kg**, you need approx.

- **2,000 SteelFire® discs** /€**3,700**
  x approx. €1.85 per disc
- **7,200 cheap zirconium discs** /€**7,200**
  x approx. €1.00 per disc

**Average work time per grinding employee per year**

€3,500 tool cost savings
€24,500 labour cost savings
(35% of €70,000)

= **€28,000!**

Can you do afford to pass that up?
High-tech ceramic fibre disc with significantly more self-sharpening edges due its ultra-fine grit and crystal structure and a corresponding material removal rate that greatly exceeds that of conventional fibre discs.

**FEATURES**

- **Top ceramic quality!**
- **Ultra-fine grit and crystal structures ensure significantly more self-sharpening edges and greatly improved material removal.**
- **Self-sharpening ceramic grit.**
- The finer grinding results on the workpiece surface reduces the frequent necessity of reworking the piece with finer grits.
- Even in the coarse grit range, at a high rate of material removal, the size of the chip particles remains relatively small, preventing damage from the afterglow effect of large metal particles.
- The universal high-performance fibre disc with an especially great cooling agent content is easy on any drive motor.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Approved for (DIN EN 13743)</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 22.2</td>
<td>80 m/sec</td>
<td>25</td>
<td>36</td>
<td>82004</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>82007</td>
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<td>80</td>
<td>82008</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>82009</td>
</tr>
<tr>
<td>Ø 125 x 22.2</td>
<td>80 m/sec</td>
<td>25</td>
<td>24</td>
<td>82013</td>
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<tr>
<td></td>
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<td></td>
<td>36</td>
<td>82014</td>
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<td>60</td>
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<td>80</td>
<td>82018</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>82019</td>
</tr>
<tr>
<td>Ø 180 x 22.2</td>
<td>80 m/sec</td>
<td>25</td>
<td>24</td>
<td>82023</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>82029</td>
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</tbody>
</table>
Suitable for

**FIBRE DISCS**

**COLDSTEEL® Backing Pad**

Specially developed heat-resistant backing pad for fibre discs. The ribs on the underside dissipate heat, effectively preventing heat build-up and discolouration.

**FEATURES**

- Heat-resistant plastic with a high fibre content for dimensional stability, even during continuous use.
- Aluminium locking nut – no rust.
- Aluminium alloy locking nuts prevent iron particle contamination of stainless steel when metals make contact.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 13743)</th>
<th>Packaging unit</th>
<th>Article number</th>
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</thead>
<tbody>
<tr>
<td>Ø 113</td>
<td>M14 thread</td>
<td>13,000</td>
<td>80 m/sec</td>
<td>1</td>
<td>82001</td>
</tr>
<tr>
<td>Ø 123</td>
<td>M14 thread</td>
<td>12,000</td>
<td>80 m/sec</td>
<td>1</td>
<td>82011</td>
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<tr>
<td>Ø 173</td>
<td>M14 thread</td>
<td>8,500</td>
<td>80 m/sec</td>
<td>1</td>
<td>82021</td>
</tr>
</tbody>
</table>

5/8” threads upon request.

**EISENBLÄTTER Ceramic self-sharpening process**

The existing grinding force breaks off sintered microcrystals, continuously giving the grit new, sharp cutting edges.
Because of the high braking effect involved, polishing work is among the most challenging types of work for any drive motor. With its newly developed drive motor with planetary gear, Eisenblätter offers an unparalleled range of torque and performance. The distribution of power across three additional transmission gear wheels allow torques under full load that conventional single transmissions of comparable size cannot achieve.

NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.
THE \textbf{VARILEX\textsuperscript{®} POLISHER HT} IS DESIGNED FOR THE LONGEST SERVICE LIFE AND IS A PROFESSIONAL MACHINE FOR LONG-TERM USE!

\begin{itemize}
  \item \textbf{Tip:} Ideal for finishing and fine grinding products – they can be found starting on page 87.
\end{itemize}

\section*{POWER TRANSMISSION WITH A PLANETARY GEAR}

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.
OVERVIEW OF PRODUCT ADVANTAGES

- Powerful motor (1,750 W) and new transmission mechanics (high torque) for wear-resistant power transmission.
- Enormous power density despite the compact design: Extremely powerful and robust one-hand polisher (for disc up to Ø 180 mm) - made entirely in Germany.
- Eminently suitable for cleaning, fine grinding, and polishing of stainless steel and non-ferrous metals, for the FIX HOOK & LOOP system and, with an adapter, for the MINI FIX HOOK & LOOP system.
- Balanced and vibration-damping handle reduces strain on the user.
- The completely newly developed, patented DUST PREVENT SYSTEM effectively protects the interior of the motor from swarf and metal particles without impairing the cooling ventilation.
- Infinitely adjustable speed from 820 to 3,000 rpm with a tacho-generator for constant speed, even under load.
- Rubberised, ultra-ergonomic shaft handle ensures outstanding handling and sensitivity during work.
- Elastic 3D ball handle for optimum polishing handling and reduced strain on the user.

DUST PREVENT SYSTEM FROM EISENBLÄTTER

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

Without DUST PREVENT SYSTEM:
Coarse dust particles are taken into the ventilation grilles without any intervening protection.

With DUST PREVENT SYSTEM:
Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.

Alternative:
For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).
**POWER TOOLS**

Elastic 3D ball handle for optimum polishing handling and reduced strain on the user.

The new BRIGHTEX® polishing system with pre-coated flaps for quick mirror-finish polishing of any metal.

Turbofan with extreme air flow, up to 400 km/h.

Electronic slip clutch prevents kickback if the tool binds.

DUST PREVENT SYSTEM protective cap prevents damage from dust and metal particles.

Specially encapsulated field coil and rotor for maintenance-free continuous operation.

Rubberised handle inserts for a non-slip grip.

Especially robust and kink-proof cable ensures long service life.

Especially ergonomic, balanced handle.

The new BRIGHTEX® polishing system with pre-coated flaps for quick mirror-finish polishing of any metal.

Technical data **VARILEX® POLISHER HT basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1.750</td>
<td>M14 thread</td>
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<td>1</td>
<td>65051</td>
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<tr>
<td>CH (J)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1.750</td>
<td>M14 thread</td>
<td>820-3.000</td>
<td>2.99</td>
<td>1</td>
<td>65051s</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110-240 – 50-60</td>
<td>1.750</td>
<td>M14 thread</td>
<td>820-3.000</td>
<td>2.99</td>
<td>1</td>
<td>65051a</td>
</tr>
</tbody>
</table>

**Set contents:**
1. **VARILEX® POLISHER HT machine with 3D ball handle**
2. **DUST PREVENT SYSTEM**
3. Particulate matter protection cap
4. Robust, impact-resistant plastic case for machine and accessories
5. Support flange
6. Locking nut
7. Chuck key
8. 2 **BRIGHTEX® FLAP polishing discs**

**Please Note:** For the practical accessory set, see page 86.
Extremely high-performance one-handed polisher. The planetary gear and 18 V provides especially great torque and pulling power even with very long running times. Soft handle is the first to allow ideal handling in all working positions. Ideal for the BRIGHTEX® mirror finish polishing system, finishing and fine grinding work and cleaning discs.

OVERVIEW OF PRODUCT ADVANTAGES

- Powerful motor (18 V) and new transmission mechanics (high torque) for wear-resistant power transmission. This is approx. 1,600 watts of power.
- Enormous power density despite the compact design: Extremely powerful and robust one-hand polisher – made entirely in Germany.
- Balanced and vibration-damping 3D ball handle reduces strain on the user.
- Available for the first time with planetary gear, giving it the power of a plug-in machine of ~1,600 watts.
- Optimised speed of 1,600 rpm with a tacho-generator and planetary gear for constant speed, even under load.
- Eminently suitable for cleaning, fine grinding, and polishing of stainless steel and non-ferrous metals, for the FIX HOOK & LOOP system and, with an adapter, for the MINI FIX HOOK & LOOP system.
**Electronic slip clutch prevents kickback if the tool binds**

**Elastic 3D ball handle for optimum polishing handling and reduced strain on the user**

**Slim, powerful 18-volt high-performance with an optimised speed of 1,600 rpm**

**Battery pack can be rotated to three positions by up to 270°**

**Ideal for the FIX HOOK & LOOP system (page 142)**

**Power transmission with a planetary gear**

**Particulate matter protection**

**5.5 Ah LiHD high-performance battery**

---

### Technical data **VARILEX® POLISHER AKKU basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (V)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>18</td>
<td>M14 thread</td>
<td>1,600</td>
<td>2.1</td>
<td>1</td>
<td>65061</td>
</tr>
</tbody>
</table>

**Set contents:**
1. **VARILEX® POLISHER AKKU** machine with 3D ball handle
2. Robust, impact-resistant plastic case for machine and accessories
3. Particulate matter protection battery
4. 18-volt LiHD batteries with 5.5 Ah capacity
5. High-speed charging device, 220-240 volts
6. Support flange
7. Locking nut
8. Chuck key
9. **BRIGHTEX® FLAP** polishing discs

**Please Note:**
For the practical accessory set, see page 86.
High-speed Charging Device

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

**FEATURES**

- **Patented “AIR COOLED” charging technology:** Batteries are cooled during charging for a much shorter charging time.
- **High charging current ensures that the battery packs are charged quickly.**
- **Very low stand-by power consumption.**
- **Maximum charging current: 6.5 A.**
- **Process-controlled charge management** for gentle charging and the greatest possible number of charging cycles.
- **One charger for charging all battery packs from our CAS partner: www.cordless-alliance-system.de**

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V – Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
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<td>6.5</td>
<td>1</td>
<td>50474</td>
</tr>
</tbody>
</table>

**NEW**

5.5/8.0 Ah Battery

18 volts, LiHD technology

**NEW**

Powerful high-tech 18-volt battery (LiHD) for all battery-powered tools in the CAS group.

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Power (V)</th>
<th>Battery capacity (Ah)</th>
<th>Suitable for</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 Ah CAS battery</td>
<td>18</td>
<td>5.5</td>
<td>CAS devices</td>
<td>0.89</td>
<td>1</td>
<td>50463</td>
</tr>
<tr>
<td>8.0 Ah CAS battery</td>
<td>18</td>
<td>8.0</td>
<td>CAS devices</td>
<td>0.98</td>
<td>1</td>
<td>50473</td>
</tr>
</tbody>
</table>
POWER TOOLS
CORDLESS ALLIANCE SYSTEM
ANGULAR GRINDING – CIRCULAR GRINDING
Suitable for

VARILEX® POLISHER HT · VARILEX® POLISHER AKKU

VARILEX®
POLISHER
Accessory Set

This accessory set is the ideal addition to the VARILEX® POLISHER. Whether you want to smooth a weld seam or need a perfect mirror finish, this set provides everything you need, including surface cleaning and sealing agent. All packed neatly in a robust, impact-resistant plastic case.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine grinding to a perfect mirror finish</td>
<td>VARILEX® POLISHER HT · VARILEX® POLISHER AKKU</td>
<td>1</td>
<td>65052</td>
</tr>
</tbody>
</table>

Contents:

1 plastic case
3 Fleece Flap Soft, Ø 125 mm
1 FIX HOOK & LOOP backing pad, Ø 115 mm
4 FIX HOOK & LOOP Trizact™, Ø 115 mm
2 BRIGHTEX® FLAP polishing discs Ø 115 mm
2 FIX HOOK & LOOP AluPolish, Ø 115 mm
2 BRIGHTEX® mini pastes
1 BRILLIANCE Clean 50 ml
1 Power Cleaner 50 ml
6 FIX HOOK & LOOP BRIGHTEX® polishing discs Ø 115 mm
1 INOX PROTECT 50 ml
2 BRIGHTEX® microfibre cloths
1 BRIGHTEX® Softclean Powder

THE IDEAL ADDITION FOR THESE EISENBLÄTTER MACHINES:

VARILEX® POLISHER HT p. 78
VARILEX® POLISHER AKKU p. 82
Suitable for

**ALL METALS**

# MAGNUM® Poly Magic Wheel

The revolution for mirror-finish polishing in corners

**Application:**
1. Pre-polish and level fine weld seams with the MAGNUM® Poly Magic Wheel, **A grit.**
2. Polish to a flawless mirror finish with the MAGNUM® Poly Magic Wheel, **B grit.**

**FEATURES**

- For **fine grinding and mirror-finish polishing** in corners.
- Saves lots of working time and replaces expensive manual labour, particularly in balustrade and hand-rail production, which often involves corner welds.
- Produces a flawless mirror finish in just two steps without polishing pastes or creams.
- Can be used on many variable-speed angle grinders/polishers.
- Backing plate of specially developed food-grade, flexible plastic: easy to trim and damps vibration.

**New formulation:**
- Highly compressed fleece disc for **greatly extended service life.**
- Now it can also be used on flat surfaces.

**Machine recommendation:**
- **VARILEX® POLISHER page 78.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Ideal for</th>
<th>Application</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 165 x 22.2</td>
<td>3,000-4,000</td>
<td>5,700</td>
<td>6</td>
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<td>variable-speed angle grinders</td>
<td>Pre-polishing (A)</td>
<td>5</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>Polishing (B)</td>
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<td>96721</td>
</tr>
</tbody>
</table>
Suitable for
ALL METALS · WOOD · HARD PLASTICS

MAGNUM®
DecoFinish

New compact fleece with sensational, revolutionary properties

The open-pore design achieves especially fine, decorative results on all metals, hard plastics, and wood. Fine weld seams, spot welds, and deep scratches can be directly removed at the same time, depending on contact pressure. The especially fine finish allows an immediate perfect mirror finish with polishing discs such as those from the BRIGHTEX® polishing system if needed. This avoids time-consuming intermediate grinding and polishing steps. Even paint layers with filler on vehicle body parts can be ground down to bare metal. This metal is given a top finish and can immediately be re-painted.

With MAGNUM® DecoFinish, rust and oxide layers are no hindrance to a perfect final finish, either. This new compact fleece can be used for a variety of applications. It is extremely tough and durable, does not clog pores, and has damping, cooling properties that allow perfect workpiece adaptation and soft grinding transitions.

The MAGNUM® DecoFinish is certainly one of the most modern compact fleece designs on the global market.

FEATURES

- **Outstanding for all metals** (stainless steel, steel, non-ferrous metals, etc.) and for hard plastic and wood.
- Achieves the finest grinding results while smoothing scratches, minor weld seams, and spot welds.
- Removes paint, rust, and oxide perfectly while achieving a top quality finish.
- Open-pore, tough **compact fleece with a long service life** (does not clog pores).
- Cool grinding behaviour **prevents discolouration**.
- Elastic properties ensure **perfect workpiece adaptation**.
- **Integrated M14 threads** ensure simple, fast, convenient disc change.
- Elastic, **high-tech natural fibre compound backing plate** is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
FINISHING AND FINE GRINDING

Technical data MAGNUM® DecoFinish

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Ideal for</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 mm x M14</td>
<td>2,000-4,000</td>
<td>4,500</td>
<td>30 m/sec</td>
<td>13</td>
<td>Natural fibre</td>
<td>variable-speed angle grinders</td>
<td>5</td>
<td>96725</td>
</tr>
</tbody>
</table>

Application examples:

- Removes scratches and small spot welds and seams all at the same time. Ideal for pre-polishing.
- Viscoelastic properties ensure perfect work-piece adaptation.
- Removes paint while achieving a surface finish.
- Result: raw to perfect mirror finish in two to three steps – also ideal for round pipes.

Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.

Full-surface, open-pore special fleece

Outstanding for all metals
FINISHING AND FINE GRINDING

Suitable for

ALL METALS · WOOD

TRIMFIX®
Fleece Flap

Highly elastic SC fleece flap disc – ideal fine machining of weld seams

FEATURES

• Highly flexible, damping fleece flap disc with low overall height.
• High-quality surface conditioning (SC) fleece material for an extremely long service life.
• Ideal for subsequent high-gloss and mirror-finish polishing of stainless steel.
• Large effective contact surface area for greater heat dissipation.
• Ideal for rounding off internal edges.
• In all grit grades from fine grinding to matt sheen.
• Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
• The 1FOR2 extra-coarse (green) grit's ceramic grit content allows easy removal of thin weld seams and spot welds.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
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<th>Maximum speed (rpm)</th>
<th>Approved for (DIN EN 13743)</th>
<th>Ideal for Backing plate</th>
<th>Pkg. unit</th>
<th>Grit (fleece)</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Article number</th>
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</thead>
<tbody>
<tr>
<td>Ø 125 x 22.2</td>
<td>2,000-5,000</td>
<td>12,200</td>
<td>variable-speed angle grinders</td>
<td>Natural fibre</td>
<td>10</td>
<td>1FOR2 extra-coarse</td>
<td>40</td>
<td>green</td>
<td>96740</td>
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</tbody>
</table>

For deburring, fine grinding, pipe finishing, TIG, weld grinding, and intermediate grinding

The 1FOR2 extra-coarse (green) grit allows removal of thin weld seams and spot welds.
FINISHING AND FINE GRINDING

TRIMFIX®
Fleece Flap Soft

The new kind of fine grinding

Highly elastic SC fleece flap disc with upright rubber flaps for fine grinding of straight and shaped components. In a “soft” flap geometry, a number of fleece flaps are applied to a natural-fibre compound backing plate. The spring effect of the flap packages allows very soft grinding transitions that often require no rework. This allows the user to determine how much contact pressure to exert, and thus whether material is to be removed or, at low pressure, the surface is merely to be brightened or fine deburring to be performed.

FEATURES

- Highly flexible, elastic fleece flap disc with upright flaps.
- High quantities of surface conditioning (SC) fleece material for an extremely long service life.
- Ideal for subsequent high-gloss and mirror-finish polishing of stainless steel.
- For deburring, fine grinding, pipe finishing, TIG, weld grinding and intermediate grinding, especially for shaped or uneven workpieces with perfect workpiece adaptation.

- Ideal for rounding off internal edges.
- Large effective contact surface area for greater heat dissipation.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- The 1FOR2 extra-coarse (green) grit’s ceramic grit content allows easy removal of thin weld seams and spot welds.

Technical data:

<table>
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<th>Maximum speed (rpm)</th>
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<th>Ideal for</th>
<th>Backing plate</th>
<th>Pkg. unit</th>
<th>Grit (fleece)</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Article number</th>
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<tbody>
<tr>
<td>Ø 125 x 22.2</td>
<td>2,000–4,500</td>
<td>5,000</td>
<td>50 m/sec</td>
<td>variable-speed angle grinders</td>
<td>Natural fibre</td>
<td>10</td>
<td>1FOR2 extra-coarse</td>
<td>40</td>
<td>green</td>
<td>96740s</td>
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<td></td>
<td>coarse</td>
<td>80</td>
<td>brown</td>
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<td>medium</td>
<td>180</td>
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<td></td>
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<td>fine</td>
<td>280</td>
<td>blue</td>
<td>96743s</td>
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</table>
MAGNUM® Fleece Top

Versatile fleece disc manufactured from foamed, compressed grinding fleece for fine finishes

For metalworking jobs such as grinding, fine grinding, smoothing and polishing and removing oxides, scratches, rust, burrs and paint. Also cleans and smooths wood and plastics.

**FEATURES**

- Up to 8 times the service life of conventional fleece discs.
- The special self-cleaning fleece mixture prevents clogging and smearing.
- Replaces wire brushes, sandpaper and rubber grinding wheels.
- Also ideal for cleaning and smoothing metal, wood, and plastic.
- Consistently clean grinding results.
- Perfect for smoothing tool surfaces.
- Backing plate of specially developed flexible, food-grade plastic: easy to trim, damps vibration and completely free of glass fibre.
- Its 30-mm-wide silicon carbide fleece ring significantly extends its service life!
### Technical data MAGNUM® Fleece Top

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Ideal for</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
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<td>Ø 115 x 22.2</td>
<td>2,000-5,000</td>
<td>8,000</td>
<td>15</td>
<td>special flexible plastic</td>
<td>variable-speed angle grinders</td>
<td>5</td>
<td>80</td>
<td>96710</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td>96715</td>
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**Roughness depth values:**

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<th>Average roughness depth for stainless steel</th>
<th>80</th>
<th>180</th>
<th>280</th>
<th>400</th>
<th>600</th>
<th>900</th>
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<tbody>
<tr>
<td>Rz in μ</td>
<td>6.10 μ</td>
<td>4.16 μ</td>
<td>2.78 μ</td>
<td>2.74 μ</td>
<td>2.26 μ</td>
<td>1.66 μ</td>
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</table>

<table>
<thead>
<tr>
<th>Average roughness depth for aluminium</th>
<th>80</th>
<th>180</th>
<th>280</th>
<th>400</th>
<th>600</th>
<th>900</th>
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</thead>
<tbody>
<tr>
<td>Rz in μ</td>
<td>9.26 μ</td>
<td>5.63 μ</td>
<td>3.85 μ</td>
<td>3.78 μ</td>
<td>2.68 μ</td>
<td>2.58 μ</td>
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</tbody>
</table>

Rz = average roughness depth value

### Application examples:

- **Stainless steel**: Cleaning, removing minor scratches
- **Steel**: Fine grinding, deburring, rust removal
- **Aluminium**: Cleaning, fine grinding
- **Wood**: Smoothing wood fibre
  
  Please Note: The existing paint can be removed easily with Eisenblätter’s CLEAN products.
FINISHING AND FINE GRINDING

Suitable for

STEEL · STAINLESS STEEL · NON-FERROUS METALS

MAGNUM® Top Mix/Top Mix Strong

Combination fleece disc – complete 2 operations at once, greater material removal with fine grinding results

FEATURES

**MAGNUM® Top Mix**

- Intermediate A/O grit layers make these discs **significantly more aggressive than conventional fleece discs**.
- The coordinated combination of abrasive flaps alternating with compressed fleece produces a **much better grinding performance, longer service life, and fine grinding results**.
- For **preparatory grinding and fine grinding of spot welds and deep scratches** on stainless steel, steel and non-ferrous metals; also great for finely deburring perforated sheet metal and reworking corners.
- Backing plate of specially developed flexible, food-grade plastic: easy to trim, damps vibration, and completely free of glass fibre.

**NEW: MAGNUM® Top Mix Strong**

- With ceramic grit content for much higher material removal and fine grinding results.
- The highly compressed fleece material has many times the service life of conventional combination fleece discs.
- Elastic, **high-tech natural fibre compound backing plate** is easy on the environment and the user (CO$_2$-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- **Integrated M14 threads** ensure simple, fast, convenient disc change.

**Technical data:**

<table>
<thead>
<tr>
<th>Product</th>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Ideal for</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
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</thead>
<tbody>
<tr>
<td>Top Mix</td>
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<td>15</td>
<td>special flexible plastic</td>
<td>variable-speed angle grinders</td>
<td>5</td>
<td>80/100</td>
<td>96705</td>
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<tr>
<td>Top Mix Strong</td>
<td>Ø 125 x M14</td>
<td>2,000-5,000</td>
<td>6,000</td>
<td>15</td>
<td>Natural fibre</td>
<td>variable-speed angle grinders</td>
<td>5</td>
<td>60/80</td>
<td>96703</td>
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</tbody>
</table>

**NEW:**

- Free of fibre glass
- Patented
- Trimmable
- Flexible
- Flat
- Steel
- Stainless steel
- Elastic
- Buntmetalle/Al metals

**FREE OF FIBRE GLASS**

**NEW**
Suitable for:
- STEEL · STAINLESS STEEL

**Trizact™ Disc**

Available for these quick-change systems:
- FIX HOOK & LOOP
  - MORE DETAILS ON P. 147
- MINI FIX HOOK & LOOP
  - MORE DETAILS ON P. 125
- PINLOC
  - MORE DETAILS ON P. 132

Suitable for:
- STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD · HARD PLASTICS

**SC Fleece Disc**
Ideally suited to deburring, fine grinding, and removing minor scratches and oxide layers.

Available for these quick-change systems:
- FIX HOOK & LOOP
  - MORE DETAILS ON P. 146
- MINI FIX HOOK & LOOP
  - MORE DETAILS ON P. 125
- PINLOC
  - MORE DETAILS ON P. 133

Suitable for:
- ALUMINIUM · NON-FERROUS METALS

**FIX HOOK & LOOP AluPolish Disc**
Soft nylon fleece material for fine grinding (pre-polishing) aluminium and soft metals to a perfect mirror finish.

YOU CAN FIND MORE DETAILS ON PAGE 145.
POLISHING

BRIGHTEX® FLAP
BERRY (pre-polishing)

Flexible fanned polishing disc of polishing fleece pre-impregnated with BRIGHTEX® Berry polishing paste, forms itself very well to flat and shaped surfaces and polishes in a single work step, even when there are still oxide layers. **Step 1: High-gloss!**

**FEATURES**

- For applying a rapid high-gloss polish to all metals.
- For reconditioning surfaces which are mirror polished mechanically.
- Ideal for use with polishing machines and hand-held polishing tools.
- Completely new high-tech paste formulation.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- Pre-polish and main polish in one – save on additional operations.
- For immediate use without additional pastes and creams!
- Flaps can be topped up repeatedly with BRIGHTEX® hard paste (check grit!) (see page 98).
- For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).
- **Recommendation:** BRIGHTEX® FLAP SUN for the perfect main polish mirror finish.
- **Please Note:** After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTEX® pastes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
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<th>Ideal speed (rpm)</th>
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<th>Backing</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 22</td>
<td>Berry (pink)</td>
<td>High-gloss polishing</td>
<td>600-3,000</td>
<td>5,850</td>
<td>Natural fibre</td>
<td>5</td>
<td>96746</td>
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<tr>
<td>Ø 125 x 22</td>
<td>Berry (pink)</td>
<td>High-gloss polishing</td>
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</tbody>
</table>

**NEW**
POLISHING

Suitable for
ALL METALS

BRIGHTEX® FLAP SUN (main polish)

Flexibly fanned polishing disc of polishing fleece pre-impregnated with BRIGHTEX® Sun polishing paste, forms itself very well to flat and shaped surfaces and removes even the finest smears and any clouding very quickly.

Step 2: A mirror finish that’s almost like chrome plating!

FEATURES

- For a final high-gloss shine on polished metals.
- For reconditioning high-gloss surfaces which have been polished mechanically.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration.
- Completely new high-tech paste formulation.
- A mirror finish that’s almost like chrome plating – perfect finish.
- For removing any residual clouding and smears from all metals.
- Flaps can be topped up repeatedly with BRIGHTEX® hard paste (check grit!) (see page 98).
- Recommendation: BRIGHTEX® FLAP BERRY for quick pre-polishing.
- Please Note:
  After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTEX® pastes.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Application</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Backing</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
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<tbody>
<tr>
<td>Ø 115 x 22</td>
<td>Sun (yellow)</td>
<td>Mirror-polishing</td>
<td>600-3,000</td>
<td>5,850</td>
<td>Natural fibre</td>
<td>5</td>
<td>96747</td>
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<tr>
<td>Ø 125 x 22</td>
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<td></td>
<td></td>
<td>5,350</td>
<td></td>
<td></td>
<td>96749</td>
</tr>
</tbody>
</table>
BRIGHTTEX® High-performance Polishing Pastes

The fastest way to a mirror finish

For the first time, the pre-polishing and main polishing steps can be completed with just one paste (BRIGHTTEX® Berry)! This has been made possible by a completely new formulation. For instance, stainless steel can be polished to a mirror finish in only a few moments. This saves several working steps. The yellow BRIGHTTEX® Sun paste creates an even brighter high gloss shine – almost as if it’s chrome plated. Both pastes can be used on SuperPolish discs and belts and on felt discs, belts, and sleeves. The pastes are applied to the polishing disc, belt, or sleeve while it is running at a low speed so that it is completely covered. This process can be repeated several times. The pastes can also be used for the new BRIGHTTEX® polishing system (pre-impregnated polishing discs, belts, and sleeves) to “top up” the polishing fleeces as required.

FEATURES

Step 1: BRIGHTTEX® Berry (pre-polishing):
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional working steps.

Step 2: BRIGHTTEX® Sun (main polish):
- A mirror finish that’s almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.
- Please Note:
  After changing pastes, always remove the polish residue from the workpiece!
- For reconditioning high-gloss surfaces which have been polished mechanically.
- For use with felt, cotton, fleece discs, wheels, sleeves, belts, etc.
- Ideal for use with polishing machines and hand-held polishing tools (POLY-PTX®).
- For the best results, use Eisenblätter care and cleaning products to remove polish residues (BRIGHTTEX® Softclean Powder, Power Cleaner).
- Completely new high-tech paste formulation for metals.

Technical data:

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Application</th>
<th>Packaging unit</th>
<th>Article number</th>
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<td>about 1,100</td>
<td>High-gloss polishing</td>
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<td>40025</td>
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<td>BRIGHTTEX® Berry mini paste (pink)</td>
<td>about 140</td>
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<td>1</td>
<td>40025m</td>
</tr>
<tr>
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<td>BRIGHTTEX® Sun mini paste (yellow)</td>
<td>about 140</td>
<td>Mirror-finish polishing</td>
<td>1</td>
<td>40026m</td>
</tr>
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</table>
BRIGHTTEX® Softclean Powder

A new, much improved cleaning powder removes all cream and paste residue after every polish, giving all metals a polished, completely scratch-free shine. Simply apply a little using the shaker, as you would powdered sugar, and wipe it off with a clean microfibre cloth without applying any pressure. The powder consists of ultra-fine micro-particles with a large surface area for the best possible absorbency.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents (g)</th>
<th>Packaging unit</th>
<th>Article number</th>
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<td>Resealable bag</td>
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<td>Aluminium shaker</td>
<td>about 200</td>
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</table>

BRIGHTTEX® Microfibre Cloths

Much improved, ultra-soft microfibre cloth, free of seams for completely scratch-free cleaning of stainless steel surfaces and other decorative metals. Particularly soft and absorbent. Can be washed repeatedly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Quality</th>
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<td>400 x 400</td>
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**Polish Cleaner**

Universal cleaner in its most environmentally-friendly form

Clean and preserve – especially for the removal of grease-based polish residue (BRIGHTEX® pastes).

**You can find more details on page 276.**

**Technical data:**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
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<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40057</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40055</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40056</td>
</tr>
</tbody>
</table>

**Polishing Pastes (Classic)**

Mirror-finish polishing for all metals (including aluminium).

White for pre-polishing, blue for final polish.

**Technical data:**

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-polishing paste (white)</td>
<td>about 650</td>
<td>1</td>
<td>40013</td>
</tr>
<tr>
<td>Polishing paste (blue)</td>
<td>about 650</td>
<td>1</td>
<td>40014</td>
</tr>
<tr>
<td>White and blue mini paste</td>
<td>approx. 120 (60 each)</td>
<td>1</td>
<td>40009</td>
</tr>
</tbody>
</table>

**Pink Polishing Cream**

For final polishing, with Classic polishing pastes, for example, it produces a flawless mirror finish on all metals when applied with SuperPolish, felt, and polishing rings.

Brings a quick shine – also suitable for manual application with polishing cloths.

Ideal for moulded parts as well.

**Technical data:**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can</td>
<td>about 1,000 g</td>
<td>1</td>
<td>40015</td>
</tr>
<tr>
<td>Mini-tube</td>
<td>approx. 60 ml</td>
<td>1</td>
<td>40015t</td>
</tr>
</tbody>
</table>
POLISHING

POLISHING DISCS WITH QUICK-CHANGE SYSTEM

Suitable for

ALL METALS

**Berry & Sun BRIGHTEX® Discs**
Polishing material that is already impregnated with BRIGHTEX® polishing paste removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish.

**Available for these quick-change systems:**

- **FIX HOOK & LOOP**
  - MORE DETAILS ON P. 148

- **MINI FIX HOOK & LOOP**
  - MORE DETAILS ON P. 126

- **PINLOC**
  - MORE DETAILS ON P. 134

Suitable for

ALL METALS

**SuperPolish Disc**
Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish which, especially on stainless steel and non-ferrous metals, leaves no smears or shadows. SuperPolish is absorbent and does not smear up.

**Available for these quick-change systems:**

- **FIX HOOK & LOOP**
  - MORE DETAILS ON P. 149

- **MINI FIX HOOK & LOOP**
  - MORE DETAILS ON P. 127

- **PINLOC**
  - MORE DETAILS ON P. 135

Suitable for

ALUMINIUM · NON-FERROUS METALS · HARD PLASTICS

**Felt Disc**
For rapid mirror finish using polishing pastes and creams that leave no scratches or smears.

**Available for these quick-change systems:**

- **FIX HOOK & LOOP**
  - MORE DETAILS ON P. 149

- **MINI FIX HOOK & LOOP**
  - MORE DETAILS ON P. 127
Suitable for

**ALL METALS · WOOD · BRICK**

**MAGNUM® CLEAN-MIX**

When things need to move along

Newly designed cleaning wheel with intermediate abrasive flap layers. For an enhanced cleaning effect and longer disc service life. Open, elastic CLEAN material pores prevent the grinding disc from clogging and achieve a sand-blast-like effect on metal.

**FEATURES**

- Nylon fibre “Clean” material containing grit, with intermediate ceramic abrasive cloth layers for greater material removal and much longer service life, with consistent grinding results.
- Ideal for cleaning and freshening up wood surfaces, removing shell limestone from ship substructures, etc.
- The disc’s external diameter is trimmable. No fibre glass components were used.
- The intermediate abrasive flap layers, tailored to the CLEAN material, ensure uniform wear and therefore consistent grinding results.
- The quickest way to remove scales, rust, burrs, etc. from metals.
- Quick cleaning and renewing of wooden surfaces.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration, with practical M14 threads, for fixing discs quickly without tools.
- The integrated M14 threads mean that no locking nut is necessary – no risk of contamination from the workpiece touching the steel locking nut.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed rpm</th>
<th>Maximum speed rpm</th>
<th>Approved for Material thickness (mm)</th>
<th>Backing plate</th>
<th>PKG. unit</th>
<th>Ideal for</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>125 mm x M14</strong></td>
<td>2,000-4,500</td>
<td>4,500</td>
<td>30 m/sec</td>
<td>about 15</td>
<td>Natural fibre</td>
<td>5</td>
<td>variable-speed angle grinders</td>
<td>80</td>
</tr>
</tbody>
</table>
Suitable for

ALL METALS · WOOD

MAGNUM® CLEAN-PLUS

Clean more in the same amount of time

The open-pore hard nylon cloth with grinding grit fits well to all workpieces, does not smear up, and leaves behind a bright surface like that expected from sand-blasting, without changing dimensional tolerance (even thin sheet metal can be easily machined).

FEATURES

- Nylon fleece combined with abrasive cloth, elastic so that it adapts better to the workpiece.
- Large-surface cloth content for much longer service life.
- Cleans all materials, such as metals, stone, plastics, and wood (boards and planks), pore-deep.
- Effect is similar to that of sand-blasting, does not damage the basis.
- Also removes rust, oxide, paint, Teroson, and much more.
- The sophisticated backing plate allows large-area application of hard fleece components – for less load and thus more than 50% longer service life.
- The longest possible service life for cleaning and removing paint, rust, oxides, etc.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration, with practical M14 threads, for fixing discs quickly without tools.
- The integrated M14 threads greatly simplify disc change, and no locking nut is necessary – no risk of contamination from the workpiece touching the steel locking nut.
- Please Note: Replaces (with great service life and binding technology advantages) MAGNUM® CLEAN.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Packaging unit</th>
<th>Ideal for</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x M14</td>
<td>2,000-4,500</td>
<td>4,500</td>
<td>30 m/sec</td>
<td>about 15</td>
<td>Natural fibre</td>
<td>5</td>
<td>variable-speed angle grinders</td>
<td>96706</td>
</tr>
</tbody>
</table>
MAGNUM® CLEAN Strong

When cleaning becomes a challenge

Removes the coarsest dirt and crusting from all surfaces and metals (such as vehicle undercarriages and ship subframes). Cleans cement or casting compound residue from bricks and ceramic tiles.

FEATURES

- With ceramic grit-impregnated hard nylon fleece for challenging cleaning and rust, oxide, and paint removal from metals, stone, brick, plastics, and wood. Also ideal for the construction industry.
- Much longer service life than “pure black Clean material”, resistant to acids, oils, and grease.
- The fleece covers almost the entire surface for extreme durability.
- Extremely long service life guaranteed due to application on a larger surface (more than 50% larger) than narrow, conventional cleaning rings!
- Most efficient material removal and service life for cleaning and removing paint, rust, and oxides, removing shell limestone from ship substructures, etc.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration, with practical M14 threads, for fixing discs quickly without tools.
- The integrated M14 threads mean that no locking nut is necessary – no risk of contamination from the workpiece touching the steel locking nut.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Packaging unit</th>
<th>Ideal for</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x M14</td>
<td>2,000-4,500</td>
<td>4,500</td>
<td>30 m/sect</td>
<td>about 15</td>
<td>Natural fibre</td>
<td>5</td>
<td>variable-speed angle grinders</td>
<td>96707</td>
</tr>
</tbody>
</table>
Suitable for

**STAINLESS STEEL**

**MAGNUM® STAINLESS-CLEAN**

Stainless steel cleaning – looking its best

Cleans and smooths stainless steel or steel weld seam surfaces quickly, harmonises and smooths weld seams, and gives them the same perfect, high-level gloss – even in corners.

**FEATURES**

- Special fleece fabric impregnated with ceramic grit for stainless steel machining.
- Developed for cleaning and smoothing stainless steel weld seams and surfaces. Removes even minor spot welds, discolouration, and deep scratches.
- Full-surface fabric allows exceptionally long service life.
- Extremely long service life guaranteed due to application on a larger surface (more than 50% larger) than narrow, conventional cleaning rings!
- Cleans and smooths stainless steel weld seams and removes spot welds, discolouration, and scratches.
- Elastic, high-tech natural fibre compound backing plate is easy on the environment and the user (CO₂-neutral), fully trimmable so that the entire disc can be used, damps noise and vibration, with practical M14 threads, for fixing discs quickly without tools.
- The integrated M14 threads mean that no locking nut is necessary – no risk of contamination from the workpiece touching the steel locking nut.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Approved for</th>
<th>Material thickness (mm)</th>
<th>Backing plate</th>
<th>Packaging unit</th>
<th>Ideal for</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 x M14</td>
<td>2,000-4,500</td>
<td>4,500</td>
<td>30 m/sec</td>
<td>about 15</td>
<td>Natural fibre</td>
<td>5</td>
<td>variable-speed angle grinders</td>
<td>96708</td>
</tr>
</tbody>
</table>
Suitable for

**ALL METALS - WOOD**

**CLEAN Disc MCD**

for drills and polishers

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials – even wood. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115</td>
<td>for clamping shaft</td>
<td>5,000</td>
<td>13</td>
<td>10</td>
<td>61115</td>
</tr>
<tr>
<td>Ø 150</td>
<td>for clamping shaft</td>
<td>4,000</td>
<td>13</td>
<td>10</td>
<td>61150</td>
</tr>
<tr>
<td>Clamping shaft</td>
<td>8 mm steel shaft</td>
<td></td>
<td></td>
<td>1</td>
<td>61151</td>
</tr>
</tbody>
</table>
Suitable for
ALL METALS · WOOD · BRICK

Clean Disc
Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders. With a hook & loop backing.

Available for these quick-change systems:

- **FIX HOOK & LOOP**
  MORE DETAILS ON P. 144

- **MINI FIX HOOK & LOOP**
  MORE DETAILS ON P. 124

- **PINLOC**
  MORE DETAILS ON P. 135

Suitable for
ALL METALS · WOOD · HARD PLASTICS

**MAGNUM® DecoFinish**
The open-pore design achieves especially fine, decorative results on all metals, hard plastics, and wood. Fine weld seams, spot welds, and deep scratches can be directly removed at the same time, depending on contact pressure. The especially fine finish allows an immediate perfect mirror finish with polishing discs such as those from the BRIGHTEX® polishing system if needed.
The MAGNUM® DecoFinish is certainly one of the most modern compact fleece designs on the global market.

YOU CAN FIND MORE DETAILS ON PAGE 88.
FIX HOOK & LOOP in 3 seconds!
MINI FIX HOOK & LOOP SYSTEM

PINLOC SYSTEM

VARILEX® 1000

FIX HOOK & LOOP COMPLETE SYSTEM

STATIONARY MACHINES

VARILEX® 1000

VARILEX® 1000 grinding belt roller p. 138

VARILEX® 1000 grinding wheel mount p. 138

VARILEX® 1000 expansion roller p. 138

MINI FIX HOOK & LOOP COMPLETE SYSTEM

PINLOC STARTER SET p. 129

VARILEX® 1000 p. 136

MULTI MAX® p. 150
OVERVIEW OF PRODUCT ADVANTAGES

- Especially versatile and indispensable for maintenance, repair, fitting work, motor vehicles, paint workshops, and much more.
- For grinding jobs in hard-to-reach places (corners, edges, internal tanks, etc.), coarse grinding, fine grinding, satin finish, matt finish, polishing to a mirror finish, mini-cutting and cut-off grinding.
- Ideal drive motor for flexible shafts with a 6 mm shaft (see page 117).
- A new airflow system greatly reduces the operating temperature of the grinding arm and the gear head, making the MINI MAX® PRO 1000 eminently suitable for continuous operation.
- Ideal for Eisenblätter’s MINI FIX (p. 123) and PINLOC (p. 128) systems. Suitable for other systems available on the market, such as ROLOC™ and FASTLOCK, as well.
- Extensive range of grinding tools for any grinding task on stainless steel, steel, non-ferrous metals, aluminium, wood, and plastics.
- Can be used with the ball joint mount for secure fixing of the drive motor for work with the flexible shaft or as a stationary grinder (see page 289).
The machine can be rotated 90° to become a mini angle grinder with the MINI FIX, FIX HOOK & LOOP and PINLOC systems.

Optional: Ball joint mount (see page 289) for stationary fixing on workbenches, etc. and flexible shaft (page 117).

Technical data MINI MAX® PRO 1000 basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Mount (mm)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg.</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection 220-240 – 50-60</td>
<td>900</td>
<td>Collet for Ø 6</td>
<td>2,100-11,400</td>
<td>2.72</td>
<td>1</td>
<td>10031</td>
<td></td>
</tr>
</tbody>
</table>

Set contents:
1 MINI MAX® PRO 1000 machine
1 robust, impact-resistant plastic case for machine and accessories
1 MINI FIX backing pad
1 MINI FIX Cool Top® flap disc
1 fleece wheel, 6 mm shaft

Please Note:
For the practical accessory set, see page 117.
OVERVIEW OF PRODUCT ADVANTAGES

- Indispensable for maintenance, repair, fitting work, motor vehicles, paint workshops, and much more.
- Can also be used as a drive motor for flexible shafts with a 6 mm shaft.
- Also ideal for all ROLOC™ and PINLOC systems.
- Extensive range of grinding tools for any grinding task on stainless steel, steel, non-ferrous metals, aluminium, wood, and plastics.
- For grinding jobs in hard-to-reach places (corners, edges, internal tanks, etc.), coarse grinding, fine grinding, satin finish, matt finish, polishing to a mirror finish, mini-cutting and cut-off grinding.
- Can be used with the ball joint mount for secure fixing of the drive motor, including for work with the flexible shaft or as a stationary grinder.
- Powerful 18-volt special motor, made in Germany.

Mini longitudinal and angle grinder and cutter in a single device! Ideal for all 6-mm shaft tools, the MINI-FIX hook and loop system, and the ROLOC™/PINLOC systems. Especially sturdy extension arm for versatile work at any point.
Technical data MINI MAX® AKKU basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (V)</th>
<th>Mount (mm)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection 220-240 ~ 50-60</td>
<td>18</td>
<td>Collet for Ø 6</td>
<td>7,800</td>
<td>2.0</td>
<td>1</td>
<td>10041</td>
<td></td>
</tr>
</tbody>
</table>

Set contents:
1. MINI MAX® AKKU machine
2. Robust, impact-resistant plastic case for machine and accessories
3. Particulate matter protection battery
4. 2 LiHD batteries (5.5 Ah)
5. High-speed charging device including cable
6. MINI FIX backing pad
7. MINI FIX Cool Top® flap disc
8. Fleece wheel, 6 mm shaft

Please Note: For the practical accessory set, see page 117.
High-speed Charging Device

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

**FEATURES**

- Patented “AIR COOLED” charging technology: Batteries are cooled during charging for a much shorter charging time.
- High charging current ensures that the battery packs are charged quickly.
- Very low stand-by power consumption.
- Maximum charging current: 6.5 A.
- Process-controlled charge management for gentle charging and the greatest possible number of charging cycles.
- One charger for charging all battery packs from our CAS partner: [www.cordless-alliance-system.de](http://www.cordless-alliance-system.de)

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V – Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>6.5</td>
<td>1</td>
<td>50474</td>
</tr>
</tbody>
</table>

**5.5/8.0 Ah Battery**

18 volts, LiHD technology

Powerful high-tech 18-volt battery (LiHD) for all battery-powered tools in the CAS group.

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Power (V)</th>
<th>Battery capacity (Ah)</th>
<th>Suitable for</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 Ah CAS battery</td>
<td>18</td>
<td>5.5</td>
<td>CAS devices</td>
<td>0.89</td>
<td>1</td>
<td>50463</td>
</tr>
<tr>
<td>8.0 Ah CAS battery</td>
<td>18</td>
<td>8.0</td>
<td>CAS devices</td>
<td>0.98</td>
<td>1</td>
<td>50473</td>
</tr>
</tbody>
</table>
MINI MAX® PRO Accessory Set

The practical accessory set consists of a wide selection of tools for work ranging from coarse grinding to perfect mirror finish. Everything is ready to go in a practical, sturdy carrying case.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Mount</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>From coarse grinding to perfect mirror finish</td>
<td>MINI MAX® PRO 1000 · MINI MAX® AKKU</td>
<td>6 mm</td>
<td>1</td>
<td>10032</td>
</tr>
</tbody>
</table>

Contents:

- 1 tool case
- 2 flap wheels
- 2 mix wheels
- 2 fleece wheels
- 2 mini expansion rollers
- 8 zirconium sleeves
- 3 felt polishing tips
- 1 MINI FIX backing pad
- 1 MINI FIX Clean disc
- 2 MINI FIX SC fleece discs
- 2 MINI FIX flap discs
- 10 MINI FIX BRIGHTEX® polishing discs
- 2 BRIGHTEX® mini pastes
- 1 BRILLIANCE CLEAN 50 ml
- 1 Power Cleaner 50 ml
- 1 INOX PROTECT 50 ml
- 2 BRIGHTEX® microfibre cloths
- 1 BRIGHTEX® Softclean Powder

Flexible Shaft

Flexible shaft with steel core for working in cramped and particularly hard-to-access places. All grinding tools in the MINI MAX® range can also be used with the flexible shaft.

Technical data:

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Collet (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Can be used with (Ø mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,400</td>
<td>Ø 6</td>
<td>6 mm steel shaft</td>
<td>25,000</td>
<td>up to 75</td>
<td>1</td>
<td>10010</td>
</tr>
</tbody>
</table>
Suitable for

**MINI MAX® ZIRCONIUM SLEEVE**

**MINI MAX® Expansion Roller**

Expanding rubber roller for safely mounting MINI MAX® zirconium sleeves.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 30 x 30</td>
<td>6 mm steel shaft</td>
<td>12,000</td>
<td>1</td>
<td>10201</td>
</tr>
<tr>
<td>Ø 45 x 30</td>
<td>6 mm steel shaft</td>
<td>12,000</td>
<td>1</td>
<td>10202</td>
</tr>
</tbody>
</table>

Suitable for

**STEEL · STAINLESS STEEL · NON-FERROUS METALS**

**MINI MAX® Zirconium Sleeve**

Zirconium sleeves are simply attached to the expansion roller. For general material removal and elimination of weld seams, heavy burring, deep scratches, etc.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 30 x 30</td>
<td>12,000</td>
<td>50</td>
<td>40</td>
<td>10214</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>10216</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>10218</td>
</tr>
<tr>
<td>Ø 45 x 30</td>
<td>12,000</td>
<td>50</td>
<td>40</td>
<td>10224</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>10226</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>10228</td>
</tr>
</tbody>
</table>
Suitable for

ALL METALS - WOOD - HARD PLASTICS

MINI MAX®

Flap Wheel

Highly elastic flaps for cleaning, removing rust and scratches, and linear grinding.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 40 x 10</td>
<td>6 mm steel shaft</td>
<td>max. 12,000</td>
<td>High-quality corundum</td>
<td>10</td>
<td>40</td>
<td>11040</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>11060</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>11080</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td>11100</td>
</tr>
<tr>
<td>Ø 60 x 30</td>
<td>6 mm steel shaft</td>
<td>max. 12,000</td>
<td>High-quality corundum</td>
<td>10</td>
<td>40</td>
<td>11041</td>
</tr>
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<td></td>
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<td>11061</td>
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<td>80</td>
<td>11081</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td>11101</td>
</tr>
</tbody>
</table>
FINISHING AND FINE GRINDING

MINI MAX® Mix Wheel

For removing minor scratches, oxide, and paint.
Applying linear structures.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (fleece)</th>
<th>Grit (approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 40 x 20</td>
<td>6 mm steel shaft</td>
<td>17,100</td>
<td>Nylon fleece in combination with abrasive cloth</td>
<td>10</td>
<td>80</td>
<td>14080</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>150</td>
<td>14150</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>240</td>
<td>14240</td>
<td></td>
</tr>
<tr>
<td>Ø 60 x 30</td>
<td>6 mm steel shaft</td>
<td>11,500</td>
<td>Nylon fleece in combination with abrasive cloth</td>
<td>10</td>
<td>80</td>
<td>14081</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>150</td>
<td>14151</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>240</td>
<td>14241</td>
<td></td>
</tr>
</tbody>
</table>

MINI MAX® Fleece Wheel

For matt finishing, fine grinding, and removing oxide.
For smoothing wood fibre and hard plastic.
Application of fine linear structures (finish).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (fleece)</th>
<th>Grit (approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 40 x 20</td>
<td>6 mm steel shaft</td>
<td>17,100</td>
<td>Flexible nylon fleece impregnated with grit</td>
<td>10</td>
<td>coarse M</td>
<td>80</td>
<td>13001</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>medium F</td>
<td>180</td>
<td>13002</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>fine VF</td>
<td>280</td>
<td>13003</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>very fine UF</td>
<td>400</td>
<td>13004</td>
</tr>
<tr>
<td>Ø 60 x 30</td>
<td>6 mm steel shaft</td>
<td>11,500</td>
<td>Flexible nylon fleece impregnated with grit</td>
<td>10</td>
<td>extra-coarse C</td>
<td>60</td>
<td>13010</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>coarse M</td>
<td>80</td>
<td>13011</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>medium F</td>
<td>180</td>
<td>13012</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>fine VF</td>
<td>280</td>
<td>13013</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>very fine UF</td>
<td>400</td>
<td>13014</td>
</tr>
</tbody>
</table>
MINI MAX®
Felt Polishing Tip

First-class Merino felt tips for polishing in corners, cavities, and recesses. For use only in connection with polishing pastes or creams (page 100).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Shape</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 20 x 25</td>
<td>6 mm steel shaft</td>
<td>round</td>
<td>Merino felt</td>
<td>10</td>
<td>10020</td>
</tr>
<tr>
<td>Ø 30 x 35</td>
<td>6 mm steel shaft</td>
<td>cylindrical</td>
<td>Merino felt</td>
<td>10</td>
<td>10021</td>
</tr>
<tr>
<td>Ø 15 x 30</td>
<td>6 mm steel shaft</td>
<td>conical</td>
<td>Merino felt</td>
<td>10</td>
<td>10022</td>
</tr>
</tbody>
</table>

Suitable for:
STAINLESS STEEL · NON-FERROUS METALS · HARD PLASTICS

MINI MAX®
Clamping Shaft

With support discs and locking nut

Clamping shaft for polishing rings and 12-mm-wide wire wheels used with the MINI MAX®, flexible shaft, drills, or straight grinders.

SUITABLE FOR POLISHING RINGS (STARTING ON PAGE 194) AND WIRE WHEELS (STARTING ON PAGE 202).

Technical data:

<table>
<thead>
<tr>
<th>Mount (mm)</th>
<th>Material</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm steel shaft</td>
<td>Steel, blackened</td>
<td>8,000</td>
<td>1</td>
<td>10017</td>
</tr>
</tbody>
</table>
### MINI MAX® Stainless Steel Wire Wheel

For deburring and cleaning weld seams, paint, rust, etc.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount (mm)</th>
<th>Wire thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60 x 10</td>
<td>6 mm steel shaft</td>
<td>0.2</td>
<td>15,000</td>
<td>Stainless steel 1.4310</td>
<td>5</td>
<td>10019</td>
</tr>
</tbody>
</table>

### MINI MAX® Stainless Steel Wire Brush

For cleaning weld seams, removing scale, paint, and rust in corners, etc.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 10 x 100</td>
<td>6 mm steel shaft</td>
<td>15,000</td>
<td>Stainless steel 1.4310</td>
<td>5</td>
<td>10023</td>
</tr>
</tbody>
</table>
MINI FIX Special Backing Pad

Flexible backing pad of wear-resistant polyurethane material with hook & loop fastening and centring pin to ensure that the disc runs perfectly without vibration. The ventilation slots ensure lower temperature during grinding.

Optional: A flexible damping adapter with hook & loop fastening and a special damping layer. The 10-mm centring pin is visible for exact grinding disc centring.

Technical data:

<table>
<thead>
<tr>
<th>Article</th>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Hook &amp; loop</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special backing pad</td>
<td>Ø 60</td>
<td>Ø 6 mm steel shaft</td>
<td>20,000</td>
<td>Polyurethane plastic</td>
<td>Mushroom hook &amp; loop</td>
<td>1</td>
<td>10100</td>
</tr>
<tr>
<td>Special backing pad</td>
<td>Ø 60</td>
<td>M14 thread</td>
<td>20,000</td>
<td>Polyurethane plastic</td>
<td>Mushroom hook &amp; loop</td>
<td>1</td>
<td>10100b</td>
</tr>
<tr>
<td>Soft damping adapter</td>
<td>Ø 60</td>
<td>Hook &amp; loop</td>
<td>20,000</td>
<td>Foam</td>
<td>Harpoon hook &amp; loop</td>
<td>5</td>
<td>10105</td>
</tr>
</tbody>
</table>

Which backing pad with which tool?

MINI FIX backing pad with mushroom-shaped hook & loop

MINI FIX Soft damping adapter with harpoon hook & loop

Perfect mirror finish with VARILEX® 1000 and MINI FIX hook and loop system

Use of a MINI FIX Cool Top® flap disc
MINI FIX HOOK & LOOP SYSTEM

Suitable for

STEEL · STAINLESS STEEL

MINI FIX Cool Top® Flap Disc

Quick-change mini zirconium flap disc

Ultra-long service life; high material removal; uniform, clean results without material discolouration; adjusts ideally to the workpiece. On environmentally-friendly fibre backing material. Ideal for tool construction, small workpieces and spot repairs.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Backing</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 63</td>
<td>6,000-10,000</td>
<td>19,000</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>40</td>
<td>10134</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>10136</td>
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<td>80</td>
<td>10138</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>10139</td>
</tr>
</tbody>
</table>

FREE OF FIBRE GLASS

STEEL

MINI FIX Clean Disc

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards and renovation work by commercial decorators and builders.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 63</td>
<td>6,000-8,000</td>
<td>12,000</td>
<td>13</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>10101</td>
</tr>
</tbody>
</table>
Suitable for

STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD · HARD PLASTICS

MINI FIX SC Fleece Disc

Technical surface conditioning fleece ideally suited for deburring, fine grinding and removing minor scratches and oxide layers on metals and other materials.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>6,000-10,000</td>
<td>19,000</td>
<td>SC nylon fleece with reinforcing fabric</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>80</td>
<td>brown</td>
<td>coarse</td>
<td>10151</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>red</td>
<td>medium</td>
<td>10152</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>10153</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>grey</td>
<td>very fine</td>
<td>10154</td>
</tr>
</tbody>
</table>

MINI FIX Trizact™ Disc

New type of abrasive cloth with pyramid-shaped grit structure and additional heat-insulating layer. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Removes material like (approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>6,000-10,000</td>
<td>19,000</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>A100</td>
<td>220</td>
<td>36</td>
<td>10141</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A65</td>
<td>280</td>
<td>40</td>
<td>10142</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A45</td>
<td>400</td>
<td>50</td>
<td>10143</td>
</tr>
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<td></td>
<td></td>
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<td></td>
<td>A30</td>
<td>600</td>
<td>60</td>
<td>10144</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>A16</td>
<td>1200</td>
<td>80</td>
<td>10145</td>
</tr>
<tr>
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<td></td>
<td>A06</td>
<td>2000</td>
<td>120</td>
<td>10146</td>
</tr>
</tbody>
</table>
MINI FIX HOOK & LOOP SYSTEM

MINI FIX BRIGHTTEX®
Disc Berry & Sun

Polishing material that is already impregnated with BRIGHTTEX® polishing paste removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish.

FEATURES

**Step 1: BRIGHTTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTTEX® Sun (main polish):**
- A mirror finish that's almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

**Please Note:**
After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTTEX® pastes.

- For mechanical main polish and reconditioning of surfaces which are high-gloss polished.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTTEX® Softclean Powder, Power Cleaner).
- With centring hole for backing pads with centring pins.
- Completely new high-tech paste formulation for metals.
- For immediate use without additional pastes and creams!

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Application</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>Berry (pink)</td>
<td>High-gloss polishing</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>10118</td>
</tr>
<tr>
<td>Ø 60</td>
<td>Sun (yellow)</td>
<td>Mirror-finish polishing</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>10119</td>
</tr>
</tbody>
</table>
MINI FIX HOOK & LOOP SYSTEM

MINI FIX SuperPolish Disc

Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish on stainless steel and non-ferrous metals which leaves no smears or shadows.

Please Note: Always use a separate SuperPolish disc for each paste and cream – it is important not to mix different grit sizes.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>10117n</td>
</tr>
</tbody>
</table>

MINI FIX Felt Disc

First-class Merino felt for rapid mirror finish using polishing pastes and creams that leave no scratches or smears.

Please Note: Always use a separate felt disc for each paste and cream – it is important not to mix different grit sizes.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>20</td>
<td>10117</td>
</tr>
</tbody>
</table>
EISENBLÄTTER PINLOC

offers many discs for a wide variety of possible uses – from coarse grinding to mirror-finish polishing on all metals!
Suitable for

COARSE GRINDING TO A MIRROR FINISH

PINLOC Starter Set

Disc change is easy, quick, and safe – from extra-coarse to a perfect mirror finish

In prototype construction, individual steel construction, and assembly operations, it is especially common for a wide variety of discs to be used until the desired result is achieved. The PINLOC quick-change system makes it much easier for you to change your tools, since discs are attached by simply screwing them onto the PINLOC backing pad – without any other tools, such as a chuck key, whatsoever. Contains tools with three different diameters (50/60/75 mm) for work from coarse grinding (such as removing weld seams) to perfect mirror finishing on all metals.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse grinding to a mirror finish</td>
<td>MINI MAX®, MINI MAX® PRO, MINI MAX® AKKU, straight grinders, with optional backing pad with M14 threads, and angle grinders</td>
<td>1</td>
<td>15001</td>
</tr>
</tbody>
</table>

Set contents:

1 PINLOC backing pad, 50 mm with 6 mm shaft
1 PINLOC HellFire® disc, 50 mm
4 PINLOC zirconium discs, 50 mm
2 PINLOC Coldsteel discs, 50 mm
3 PINLOC SC fleece discs, 50 mm
3 PINLOC Trizact™ discs, 50 mm
4 PINLOC Cool Top® flap discs, 63 mm
1 PINLOC Clean disc, 63 mm
1 PINLOC DecoFinish disc, 60 mm

1 PINLOC SuperPolish disc, 60 mm
2 PINLOC BRIGHTEX® polishing discs, 60 mm, Berry & Sun
1 PINLOC backing pad, 75 mm with 6 mm shaft
1 PINLOC HellFire® disc, 75 mm
4 PINLOC zirconium discs, 75 mm
2 PINLOC Coldsteel discs, 75 mm
3 PINLOC SC fleece discs, 75 mm
3 PINLOC Trizact™ discs, 75 mm
PINLOC SYSTEM

Suitable for
PINLOC TOOLS

PINLOC Backing Pad

Flexible backing pad with 1/4" thread mount for safely mounting all PINLOC products.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Hardness</th>
<th>Disc thread</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>Ø 6 mm steel shaft</td>
<td>30,000</td>
<td>medium</td>
<td>1/4&quot;</td>
<td>1</td>
<td>15110</td>
</tr>
<tr>
<td>Ø 50</td>
<td>M14 thread</td>
<td>30,000</td>
<td>medium</td>
<td>1/4&quot;</td>
<td>1</td>
<td>15150</td>
</tr>
<tr>
<td>Ø 75</td>
<td>Ø 6 mm steel shaft</td>
<td>20,000</td>
<td>medium</td>
<td>1/4&quot;</td>
<td>1</td>
<td>15140</td>
</tr>
<tr>
<td>Ø 75</td>
<td>M14 thread</td>
<td>20,000</td>
<td>medium</td>
<td>1/4&quot;</td>
<td>1</td>
<td>15160</td>
</tr>
</tbody>
</table>

Suitable for
ALL METALS

PINLOC HellFire® Disc

Its unparalleled, innovative ceramic hybrid technology (one disc and grit for all metals) enables it to machine any metal in record time. Material removal like 40 grit with 60 grit grinding results.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>30,000</td>
<td>50</td>
<td>Multigrain 40/60</td>
<td>15215</td>
</tr>
<tr>
<td>Ø 75</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>20,000</td>
<td>50</td>
<td>Multigrain 40/60</td>
<td>15245</td>
</tr>
</tbody>
</table>
PINLOC COLDSTEEL® Disc

High-tech ceramic fibre disc with significantly more self-sharpening edges due to its ultra-fine grit and crystal structure and a corresponding material removal rate that greatly exceeds that of conventional fibre discs.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>30,000</td>
<td>50</td>
<td>36</td>
<td>15412</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>15416</td>
</tr>
<tr>
<td>Ø 75</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>20,000</td>
<td>50</td>
<td>36</td>
<td>15442</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>15446</td>
</tr>
</tbody>
</table>

PINLOC Zirconium Disc

Zirconium fibre disc with outstanding results for coarse grinding and pre-polishing. Levels weld seams and removes scratches. Ideal for work on car bodies and in motor vehicle workshops.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>30,000</td>
<td>50</td>
<td>36</td>
<td>15312</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>15316</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>15318</td>
</tr>
<tr>
<td>Ø 75</td>
<td>1/4&quot;</td>
<td>8,000-12,000</td>
<td>20,000</td>
<td>50</td>
<td>36</td>
<td>15342</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>15346</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>15348</td>
</tr>
</tbody>
</table>
PINLOC SYSTEM

PINLOC Cool Top® Flap Disc

Ultra-long service life; high material removal; uniform, clean results without material discoloration; adjusts ideally to the workpiece. On environmentally-friendly fibre backing material. Ideal for tool construction, small workpieces, and spot repairs.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 63</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>19,000</td>
<td>20</td>
<td>40</td>
<td>15734</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>15736</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>15738</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>15739</td>
</tr>
</tbody>
</table>

FREE OF FIBRE GLASS STAHL STEEL EDELSTAHL STAINLESS

PINLOC Trizact™ Disc

New type of abrasive cloth with pyramid-shaped grit structure and additional heat-insulating layer. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>1/4&quot;</td>
<td>10,000-15,000</td>
<td>30,000</td>
<td>50</td>
<td>A45</td>
<td>15614</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A30</td>
<td>15615</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A16</td>
<td>15616</td>
</tr>
<tr>
<td>Ø 75</td>
<td>1/4&quot;</td>
<td>6,000-10,000</td>
<td>20,000</td>
<td>50</td>
<td>A45</td>
<td>15644</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A30</td>
<td>15645</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A16</td>
<td>15646</td>
</tr>
</tbody>
</table>
PINLOC System

PINLOC DecoFinish Disc

The open-pore design achieves especially fine, decorative results on all metals, hard plastics, and wood. Fine weld seams, spot welds, and deep scratches can be directly removed at the same time, depending on contact pressure. The MAGNUM® DecoFinish also means that rust and oxide layer are no obstacle to a perfect final finish. This new compact fleece can be used for a variety of applications. It is extremely tough and durable, does not clog pores, and has damping, cooling properties that allow perfect workpiece adaptation and soft grinding transitions.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>1/4&quot;</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>13</td>
<td>20</td>
<td>15820</td>
</tr>
</tbody>
</table>

Suitable for

ALL METALS · WOOD · HARD PLASTICS

PINLOC SC Fleece Discs

Technical surface conditioning fleece ideally suited to deburring, fine grinding, and removing oxide layers on metals and other materials.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 50</td>
<td>1/4&quot;</td>
<td>8,000-12,000</td>
<td>30,000</td>
<td>25</td>
<td>80</td>
<td>brown</td>
<td>coarse</td>
<td>15513</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>160</td>
<td>red</td>
<td>medium</td>
<td>15514</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>15515</td>
</tr>
<tr>
<td>Ø 75</td>
<td>1/4&quot;</td>
<td>6,000-15,000</td>
<td>10,000</td>
<td>25</td>
<td>80</td>
<td>brown</td>
<td>coarse</td>
<td>15543</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>160</td>
<td>red</td>
<td>medium</td>
<td>15544</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>15545</td>
</tr>
</tbody>
</table>

Suitable for

STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD · HARD PLASTICS

NEW
PINLOC BRIGHTTEX®
Discs Berry & Sun

Polishing material that is already impregnated with BRIGHTTEX® polishing paste removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish.

FEATURES

**Step 1: BRIGHTTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTTEX® Sun (main polish):**
- A mirror finish that’s almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

**Please Note:**
After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTTEX® pastes.

- For mechanical main polish and reconditioning of surfaces which are high-gloss polished.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTTEX® Softclean Powder, Power Cleaner).
- With centring hole for backing pads with centring pins.
- Completely new high-tech paste formulation for metals.
- For immediate use without additional pastes and creams!

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Application</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>Berry (pink)</td>
<td>High-gloss polishing</td>
<td>1/4&quot;</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>25</td>
<td>15921</td>
</tr>
<tr>
<td>Ø 60</td>
<td>Sun (yellow)</td>
<td>Mirror-finish polishing</td>
<td>1/4&quot;</td>
<td>6,000-8,000</td>
<td>19,000</td>
<td>5</td>
<td>25</td>
<td>15922</td>
</tr>
</tbody>
</table>
PINLOC SuperPolish Disc

Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish on stainless steel and non-ferrous metals which leaves no smears or shadows. **Please Note:** Always use a separate SuperPolish disc for each paste and cream – it is important not to mix different grit sizes.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 60</td>
<td>1/4”</td>
<td>6,000–8,000</td>
<td>19,000</td>
<td>5</td>
<td>25</td>
<td>15830</td>
</tr>
</tbody>
</table>

PINLOC CLEAN Disc

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Disc thread</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 63</td>
<td>1/4”</td>
<td>6,000–8,000</td>
<td>19,000</td>
<td>13</td>
<td>20</td>
<td>15810</td>
</tr>
</tbody>
</table>
VARILEX® 1000 NEW

THE MULTIFUNCTIONAL, COMPACT POWERHOUSE

Professional, compact, variable-speed, one-handed angle grinder for universal application – lightweight and powerful.
The Swiss Army Knife of angle grinders for a wide variety of application areas:

• Easy-to-use one-handed angle grinder with effective capacity for flap discs of up to Ø 125 mm. Guaranteed to reduce strain on the user.
• Compact all-rounder you can keep with you: Ideal for use for fitting or on construction sites.
• Ideal speed range for a wide variety of tools.
• High-quality tool in a compact design with low noise emission.
• Infinite speed control from 1,900 rpm to 7,900 rpm.
• Versatile use as an angle grinder, linear grinder, pipe grinder, etc.

OVERVIEW OF PRODUCT ADVANTAGES
POWER TOOLS

Vibration-damping rubberised-foam handle grip

Lateral starting switch

Stable, no-kink cable

Slim, powerful, compact 900 W motor, 1,900-7,900 rpm

Thumb-operated setting wheel allows infinite speed adjustment

Electronic slip clutch prevents kickback if the tool binds

For disc sizes of up to 125 mm diameter

Quick clamp protective cover

Housing cavities for a good hand position

Technical data VARILEX® 1000 basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V - Hz)</th>
<th>Power (W)</th>
<th>Mount</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Discs up to (Ø mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>900</td>
<td>M14 thread</td>
<td>1,900-7,900</td>
<td>2.2</td>
<td>125</td>
<td>1</td>
<td>65301</td>
</tr>
</tbody>
</table>

Optional: Ball joint mount (see page 289) for stationary fixing on workbenches, etc.

Perfect mirror finish with VARILEX® 1000 and MINI FIX hook and loop system

Electronic slip clutch prevents kickback if the tool binds

Set contents:
1. VARILEX® 1000 machine
2. robust, impact-resistant plastic case for machine and accessories
3. protective cover up to Ø 125 mm
4. clip cut-off wheel cover up to Ø 125 mm
5. locking nut
6. chuck key
7. high-performance flap discs Ø 125 mm
8. premium cutting discs Ø 125 x 1.0 mm

Please Note: For the practical accessory set, see page 140.
POWER TOOLS

Suitable for

**SLEEVES of Ø 90 x 50 mm**

**VARILEX® Expansion Roller**

Highly elastic

For using grinding sleeves (Ø 90 x 50 mm) on variable-speed power tools with M14 spindles.

**SUITEABLE 50-MM-WIDE SLEEVES CAN BE FOUND IN THE LINEAR GRINDING – SATIN GRINDING SECTION STARTING ON PAGE 177.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 50</td>
<td>M14 thread</td>
<td>6,000</td>
<td>1</td>
<td>65210</td>
</tr>
</tbody>
</table>

Suitable for

**FOR BELTS OF UP TO 30 mm WIDTH**

**VARILEX® Grinding Belt Roller**

Contact wheel with stainless steel flanges

For the use of grinding belts up to 30 mm wide on variable-speed power tools with M14 spindles. For machining open and closed pipe constructions. Wear-resistant vulcan with stainless steel flanges and optimised Shore hardness.

**SUITEABLE 30-MM-WIDE BELTS CAN BE FOUND IN THE LINEAR GRINDING – SATIN GRINDING SECTION STARTING ON PAGE 205.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 85 x 70</td>
<td>M14 thread</td>
<td>6,500</td>
<td>1</td>
<td>65215</td>
</tr>
</tbody>
</table>

Suitable for

**WHEELS, 50 mm WIDTH**

**VARILEX® Grinding Wheel Mount**

For the use of 50-mm-wide grinding wheels on variable-speed power tools with M14 spindles. Suitable grinding rollers and wheels can be found in the POLY-PTX® system. Tightening screw included in delivery.

**SUITEABLE 50-MM-WIDE BELTS CAN BE FOUND IN THE LINEAR GRINDING – SATIN GRINDING SECTION STARTING ON PAGE 180.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 19 x 50</td>
<td>M14 thread</td>
<td>6,500</td>
<td>1</td>
<td>65220</td>
</tr>
</tbody>
</table>
Suitable for
VARILEX® 1000, VARILEX® 1802 HT, VARILEX® AKKU PRO HT

Cut-off Wheel Cover Clip of up to 125 mm
For using cutting discs with VARILEX® 1000 and VARILEX® 1802 HT.
Attached to an existing cover with a click.

Technical data:

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARILEX® 1000, VARILEX® 1802 HT, VARILEX® AKKU PRO HT</td>
<td>1</td>
<td>65045</td>
</tr>
</tbody>
</table>

Suitable for
VARILEX® 1000

FIX Protective Cover
For safe use of the FIX HOOK & LOOP system on the VARILEX® 1000 angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115</td>
<td>1</td>
<td>65306</td>
</tr>
</tbody>
</table>

Suitable for
VARILEX® 1000, VARILEX® AKKU PRO HT

Satin Finishing Cover
Protective cover for the safe use of grinding and polishing wheels (Ø 105 x 50 mm) and the grinding belt roller.

Technical data:

<table>
<thead>
<tr>
<th>For dimensions up to (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 50</td>
<td>1</td>
<td>50449</td>
</tr>
</tbody>
</table>
VARILEX® Coarse and Fine Grinding Accessory Set

This set allows performance of all work, from weld seam removal to surface cleaning to fine grinding, including cleaner and surface sealant. The ideal addition to any VARILEX® angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse and fine grinding</td>
<td>VARILEX® 1802 HT · AKKU PRO HT · VARILEX® 1000 · VARILEX® WSF 1800</td>
<td>1</td>
<td>65032</td>
</tr>
</tbody>
</table>

Contents:

1 mobile tool case
1 3D ball handle
5 MAGNUM® TWINFLEX® Ø 125 mm
1 TRIMFIX® Fleece Flap 1FOR2 Ø 125 mm
3 TRIMFIX® Fleece Flap Ø 125 mm

1 MAGNUM® CLEAN-PLUS Ø 125 mm
1 MAGNUM® CLEAN-STRONG Ø 125 mm
2 MAGNUM® Fleece Top Ø 125 mm
1 COLDSTEEL® backing pad Ø 125 mm
8 COLDSTEEL® fibre discs Ø 125 mm

1 BRIGHTEX® microfibre cloth
1 INOX PROTECT 50 ml
1 BRILLIANCE CLEAN 50 ml
1 Power Cleaner 50 ml

VARILEX® FIX HOOK & LOOP Accessory Set

The ideal FIX HOOK & LOOP accessory package for diameters 60 and 115 mm. From coarse and fine grinding to a perfect mirror finish, including cleaner and surface sealing. The ideal addition to any VARILEX® 1000 or VARILEX® AKKU PRO HT angle grinder.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse grinding to a mirror finish</td>
<td>VARILEX® 1000, VARILEX® AKKU PRO HT</td>
<td>1</td>
<td>65033</td>
</tr>
</tbody>
</table>

Contents:

1 mobile tool case
1 FIX HOOK & LOOP special backing pad, Ø 115 mm
1 FIX HOOK & LOOP soft damping adapter, Ø 115 mm
3 FIX HOOK & LOOP Cool Top®, Ø 115 mm
8 FIX HOOK & LOOP zirconium discs, Ø 115 mm
5 FIX HOOK & LOOP SC fleece discs, Ø 115 mm
3 FIX HOOK & LOOP Trizact™ discs, Ø 115 mm
4 FIX HOOK & LOOP BRIGHTEX® polishing discs, Ø 115 mm
1 MINI FIX special backing pad, Ø 60 mm
1 MINI FIX soft damping adapter, Ø 60 mm
3 MINI FIX Cool Top®, Ø 60 mm
3 MINI FIX Clean discs, Ø 60 mm
5 MINI FIX SC fleece discs, Ø 60 mm
3 MINI FIX Trizact™ discs, Ø 60 mm
4 MINI FIX BRIGHTEX® polishing discs, Ø 60 mm
1 BRIGHTEX® Softclean Powder
1 BRIGHTEX® microfibre cloth
1 BRILLIANCE CLEAN 50 ml
1 INOX PROTECT 50 ml
1 Power Cleaner 50 ml
Suitable for

VARILEX® AKKU PRO HT · VARILEX® 1000

VARILEX® Linear Grinding and Pipe Machining Accessory Set

This accessory set turns the VARILEX® 1000 into a miniature workshop. Linear grinding, pipe machining, angular grinding – all with a single machine. The ideal addition to the VARILEX® 1000 or VARILEX® AKKU PRO HT angle grinder.

Technical data:

<table>
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<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
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<td>Linear and pipe grinding</td>
<td>VARILEX® 1000, VARILEX® AKKU PRO HT</td>
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</table>

Contents:

- 1 mobile tool case
- 1 VARILEX® satin finishing cover
- 1 VARILEX® expansion roller, 90 x 50 mm
- 2 zirconium sleeves, 90 x 50 mm
- 3 SC fleece sleeves, 90 x 50 mm
- 4 Trizact™ sleeves, 90 x 50 mm
- 4 BRIGHTEX® polishing sleeves, 90 x 50 mm
- 1 VARILEX® grinding belt roller
- 1 high-quality corundum grinding belt, 30 x 600 mm
- 1 SC fleece belt, 30 x 650 mm
- 1 BRIGHTEX® microfibre cloth
- 1 BRILLIANCE CLEAN 50 ml
- 1 INOX PROTECT 50 ml
- 1 Power Cleaner 50 ml

VARILEX® 1000 – the Swiss Army Knife of angle grinders. See pages 136.
Suitable for

**FIX HOOK & LOOP TOOLS**

**FIX Special Backing Pad**

Specially designed pad of flexible polyurethane with a click system, stabilising fins, and 10-mm centring pin to ensure that the disc runs perfectly. Other thread mounts (M10, 5/8") are available upon request.

**Optional:** A flexible, 6-mm-thick damping adapter with harpoon hook & loop and a special damping layer. The centring pin is visible for exact grinding disc centring.

**Technical data:**

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**Which backing pad with which tool?**

**FIX HOOK & LOOP backing pad with mushroom-shaped head**

- Cool Top®
- Zirconium disc
- Clean
- Fleece Top
- Felt disc
- SuperPolish
- BRIGHTEX®

**FIX HOOK & LOOP Soft damping adapter with harpoon hook & loop**

- SC fleece
- AluPolish
- Zirconium disc
- Trizact™
- Felt disc
- SuperPolish
- BRIGHTEX®
FIX HOOK & LOOP COMPLETE SYSTEM

Suitable for
STEEL · STAINLESS STEEL · NON-FERROUS METALS

FIX Cool Top®

With Cool Top® pure zirconium abrasive. **Superb material removal**, extremely long service life, uniformly clean results and **no material discolouration** or smearing. Highly flexible flap disc – adjusts to workpieces of any shape to produce an **unbeatable finish**.

**Technical data:**

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<th>Dimensions (mm)</th>
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**FREE OF FIBRE GLASS**

**MULTIFUNCTIONAL GRINDING**

Change discs in seconds with the Eisenblätter FIX HOOK & LOOP and MINI FIX systems. Centring pin ensures that the disc runs perfectly.
**FIX Hook & Loop Complete System**

**Suitable for**

**STEEL · STAINLESS STEEL**

**FIX Elastic Zirconium Disc**

Zirconium fibre disc with outstanding results for coarse grinding and pre-polishing. Levels weld seams and removes scratches. Ideal for work on car bodies and in motor vehicle workshops.

**Technical data:**

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<th>Maximum speed (rpm)</th>
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**FREE OF FIBRE GLASS**

**HOLZ**

**WOOD**

**Suitable for**

**ALL METALS · WOOD · BRICK**

**FIX Clean disc**

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders.

**Technical data:**

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<th>Dimensions (mm)</th>
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Suitable for

ALUMINIUM · NON-FERROUS METALS

**FIX AluPolish**

Special soft fleece material for fine grinding (pre-polishing) aluminium and soft metals to a perfect mirror finish. Used without pastes or cremes. Removes fine scratches and leaves no smears on aluminium.

**Technical data:**

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<th>Dimensions (mm)</th>
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<th>Maximum speed (rpm)</th>
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FIX HOOK & LOOP COMPLETE SYSTEM

Suitable for

STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD · HARD PLASTICS

FIX SC Fleece

Technical surface conditioning fleece ideally suited to deburring, fine grinding, and removing oxide layers. The newly developed 1FOR2 SC fleece fabric (green) includes ceramic grit that allows weld seams and spot welds to be removed with a fine finish and clean, soft grinding transitions.

Technical data:

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<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
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Multifunctional Grinding
Suitable for

STEEL · STAINLESS STEEL

FIX

Trizact™ Disc

New type of abrasive cloth with pyramid-shaped grit structure and additional heat-insulating layer. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Technical data:

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<td></td>
<td>A06</td>
<td>2000</td>
<td>120</td>
<td>80989</td>
</tr>
</tbody>
</table>
**FIX HOOK & LOOP COMPLETE SYSTEM**

Suitable for

**ALL METALS**

**FIX BRIGHTTEX®**

**Berry & Sun Disc**

Polishing material that is already impregnated with BRIGHTTEX® polishing paste removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish.

**FEATURES**

**Step 1: BRIGHTTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTTEX® Sun (main polish):**
- A mirror finish that's almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

**Please Note:**
After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTTEX® pastes.

- For reconditioning high-gloss surfaces which have been polished mechanically.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTTEX® Softclean Powder, Power Cleaner).
- With centring hole for backing pads with centring pins.
- Completely new high-tech paste formulation for metals.
- For immediate use without additional pastes and creams!

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Application</th>
<th>Material thickness (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Backing</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
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<tbody>
<tr>
<td>Ø 115</td>
<td>Berry (pink)</td>
<td>High-gloss polishing</td>
<td>5</td>
<td>2,500-3,500</td>
<td>10,500</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80718</td>
</tr>
<tr>
<td>Ø 125</td>
<td>High-gloss polishing</td>
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<td>9,600</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80728</td>
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<tr>
<td>Ø 150</td>
<td>High-gloss polishing</td>
<td>5</td>
<td>2,000-2,500</td>
<td>8,000</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80753</td>
<td></td>
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<tr>
<td>Ø 178</td>
<td>High-gloss polishing</td>
<td>5</td>
<td>2,000</td>
<td>6,700</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80773</td>
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<td>Ø 115</td>
<td>Sun (yellow)</td>
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<td>10,500</td>
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<td>80719</td>
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<td>2,000-3,000</td>
<td>9,600</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80729</td>
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<tr>
<td>Ø 150</td>
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<td>2,000-2,500</td>
<td>8,000</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80754</td>
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<tr>
<td>Ø 178</td>
<td>Mirror-finish polishing</td>
<td>5</td>
<td>2,000</td>
<td>6,700</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80774</td>
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</tr>
</tbody>
</table>
**FIX Hook & Loop Complete System**

**FIX SuperPolish Disc**

Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish on stainless steel and non-ferrous metals which leaves no smears or shadows. **Please Note:** Always use a separate SuperPolish disc for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material thickness (mm)</th>
<th>Backing</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115</td>
<td>3,000-6,000</td>
<td>10,500</td>
<td>5</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80715n</td>
</tr>
<tr>
<td>Ø 125</td>
<td>3,000-6,000</td>
<td>9,600</td>
<td>5</td>
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<td>2,000-5,000</td>
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<td>Hook &amp; loop</td>
<td>10</td>
<td>80750n</td>
</tr>
<tr>
<td>Ø 178</td>
<td>2,000-5,000</td>
<td>6,700</td>
<td>5</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80770n</td>
</tr>
</tbody>
</table>

**FIX Felt Disc**

First-class Merino felt for rapid mirror finish using polishing pastes and creams that leave no scratches or smears. **Please Note:** Always use a separate felt disc for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
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<th>Material</th>
<th>Backing</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100</td>
<td>3,000-6,000</td>
<td>12,000</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80705</td>
</tr>
<tr>
<td>Ø 115</td>
<td>3,000-6,000</td>
<td>10,500</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80715</td>
</tr>
<tr>
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<td>3,000-6,000</td>
<td>9,600</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80725</td>
</tr>
<tr>
<td>Ø 150</td>
<td>2,000-5,000</td>
<td>8,000</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80750</td>
</tr>
<tr>
<td>Ø 178</td>
<td>2,000-5,000</td>
<td>6,700</td>
<td>5</td>
<td>Merino felt</td>
<td>Hook &amp; loop</td>
<td>10</td>
<td>80770</td>
</tr>
</tbody>
</table>
MULTI MAX®
The all-in-one work station

The extremely durable three-phase motor will become a fixed component of your workshop. Can also be used with many tools as a drive motor for flexible shafts with M14 threads.

FEATURES

- **Two shaft mounts for grinding discs** (such as flap discs) for angle grinders and grinding rollers for linear grinding machines.
- Can be used with the sophisticated FIX HOOK & LOOP quick-change system.
- **Powerful, efficient three-phase motor with 750-watt output** and very high torque.
- Fixed speed of 2,800 rpm.
- **Transparent, folding grinding guard** (to protect against flying sparks and dust).
- **Roller support for precision work on the grinding wheel side.**
- **Adjustable support rail with protective cover** for grinding discs of up to Ø 180 mm.
- **Drive motor for flexible shaft** for grinding and polishing with shaft tools.
- **Saves energy** and has a much lower noise level than stationary belt grinding machines.
### Technical data MULTI MAX® machine

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Plug type</th>
<th>Mains connection (V – Hz)</th>
<th>Power (W)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
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<th>Article number</th>
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<tr>
<td>385 x 325 x 660</td>
<td>3-phase</td>
<td>380 – 50</td>
<td>750</td>
<td>2,800</td>
<td>23</td>
<td>1</td>
<td>30404</td>
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</table>

Set contents: 1 MULTI MAX® machine, 1 ROLEI Flat flap disc (Ø 170 mm), 1 protective cover for discs of up to Ø 180 mm

- Polyamide support rollers for machining square pipe
- M14 mount for grinding discs with 22.2 mm bore
- Adjustable steel support frame
- 19 mm double spline shaft for all POLY-PTX® tools
- M14 mount also for the FIX HOOK & LOOP quick-change system
- MULTI MAX® can also be used with flexible shafts
- Interchangeable flexible shaft for grinding and polishing work on cumbersome workpieces. **SEE PAGES 153.**
- Shaft mount for all tools in the POLY-PTX® system (with 19-mm double spline shaft).
- M14 mount for grinding discs with 22 mm bore (such as flap discs and polishing discs).
- Uses the practical FIX HOOK & LOOP quick-change system. **SEE PAGES 142.**
MULTI MAX® Professional Set

The all-in-one work station

For quick deburring, trimming, grinding, brushing, polishing, etc. POLY-PTX® grinding rollers for linear grinding, matt finishing, and polishing, and grinding discs for circular grinding and fine grinding. FIX HOOK & LOOP system for circular grinding, polishing, and much more included in the set.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Plug type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
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</thead>
<tbody>
<tr>
<td>385 x 325 x 660</td>
<td>3-phase</td>
<td>380 ~ 50</td>
<td>750</td>
<td>2,800</td>
<td>1</td>
<td>30400</td>
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</tbody>
</table>

Set contents:

1 MULTI MAX® machine, 380 V

Circular grinding:
- 1 special adhesive backing plate Ø 150 mm
- 4 FIX HOOK & LOOP zirconium discs
- 2 FIX HOOK & LOOP flap discs
- 2 FIX HOOK & LOOP SC fleece discs
- 1 flat flap disc, Ø 170 mm
- 1 protective cover, Ø 180 mm

Linear grinding:
- 1 fleece wheel, Ø 115 x 110 mm
- 2 flap wheels, Ø 105 mm x 50 mm
- 1 mix wheel, Ø 115 x 100 mm
- 1 spacer ring set
Flexible Shaft

Now there’s an even wider range of applications for the versatile MULTI MAX® mini workshop. The new flexible drive shaft with its sturdy 7-mm core and interchangeable M14 thread allows the machine to be upgraded to a professional drive motor. The MULTI MAX® gives you a powerful professional motor for all applications. Ideal for 6 mm shaft tools. With an adapter for polishing rings of up to Ø 150 mm. Can also be used with variable-speed angle grinders such as VARILEX® 1802 HT, VARILEX® 1800, VARILEX® 1000, and VARILEX® 900 Duo.

Technical data:

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Collet (mm)</th>
<th>Mount</th>
<th>Maximum speed (rpm)</th>
<th>Can be used with (Ø mm)</th>
<th>Can be used with an adapter (for polishing rings, Ø mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
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<tr>
<td>1,420</td>
<td>6</td>
<td>M14 thread</td>
<td>12,000</td>
<td>up to 75</td>
<td>up to 150</td>
<td>1</td>
<td>10014</td>
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MULTI MAX® Machine Stand

Sturdy steel machine stand with black powder coating. Delivery includes nuts and bolts for securing the machine. For working safely in a standing position.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (L x W x H) (mm)</th>
<th>Weight (kg)</th>
<th>Packaging unit</th>
<th>Article number</th>
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<tr>
<td>400 x 350 x 830</td>
<td>20</td>
<td>1</td>
<td>30420</td>
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</table>
Streak-free hand-held satin finish!
LINEAR GRINDING – SATIN FINISHING

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GRINDING AND BLENDING

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FINISHING AND FINE GRINDING

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PIPE MACHINING

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BRIGHTEX® polishing belts p. 208
The inventor of the hand-held linear grinding machine is introducing a refinement of its familiar POLY-PTX® series, starting immediately.

The new POLY-PTX® 802 HT (high torque) linear grinder offers a torque and performance profile that is so far unmatched. The newly developed planetary gear distributes traction across additional gear wheels in a sophisticated arrangement, greatly increasing all drive components’ resistance to wear and making the professional device a continuous runner. Eisenblätter has also refined the shaft handle, offering it with new, rubberised inserts that provide an especially good grip and optimal handling during linear grinding, satin finishing, or polishing, ensuring uniform grinding results that are entirely free of shadows.

The drive spindle is of corrosion-free stainless steel. All grinding tools can be manually attached without screws by means of a self-centring knurled screw – now with rotary protection. Even the protective cover for the grinding rollers has been significantly improved and is of robust, precise aluminium pressure casting to which the optional suction cover with its suction sockets can be added. Special attention has been paid to the hose guide, which provides free lateral space during work. An additional retractable polycarbonate cover protects the eyes from flying particles during use of the extra-wide grinding rollers (up to 150 mm) from our Eco Smart system.

The new POLY-PTX® 802 HT has been designed for long service life and value preservation and represents a new level of quality and performance in linear grinding machines.

NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

POWER TRANSMISSION WITH A PLANETARY GEAR

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.
THE NEW POLY-PTX® 802 HT ALLOWS YOU TO ACHIEVE CONVINCING PRODUCTION INCREASES AND VALUE PRESERVATION WITH VERY LOW FOLLOW-ON COSTS. IT IS OPTIMALLY EQUIPPED FOR TOUGH CONTINUOUS OPERATION.

DUST PREVENT SYSTEM FROM EISENBLÄTTER

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

Without DUST PREVENT SYSTEM:
Coarse dust particles are taken into the ventilation grilles without any intervening protection.

With DUST PREVENT SYSTEM:
Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.

Alternative:
For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).
OVERVIEW OF PRODUCT ADVANTAGES

• Shadow-free satin finishing, brushing, polishing of all metals (stainless steel to non-ferrous metals) to wood.

• Removes weld seams, deep scratches, rust, dirt, paint, and oxide layers.

• Extremely powerful, durable motor of 1,750 W with a sophisticated planetary gear for maximum power transmission and torque (high torque) throughout the speed range, 820-3,000 rpm with a tacho-generator for constant speeds, even under load – made entirely in Germany.

• New, especially ergonomic shaft handle for optimal grinding roller handling.

• Planetary gear delivers maximum torque and preserves value.

• 19 mm stainless steel drive shaft with double splines across the entire length of the spindle for grinding rollers of up to 115 mm in diameter and 100 mm working width (milled fleece wheels of up to 110 mm) – with the Eco Smart adapter, up to 150 mm working width.

• Large grinding tool range for decorative surface finishing.

• Very fine grinding on large surface areas thanks to the oscillating grinding movement.

• The optional grinding belt roller allows use as a pipe grinder, even on closed pipe constructions.
Technical data **POLY-PTX® 802 HT basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Mount (mm)</th>
<th>Working width (mm)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>19 mm</td>
<td>Double keyway</td>
<td>max 100</td>
<td>820-3,000</td>
<td>2.8</td>
<td>1</td>
</tr>
<tr>
<td>CH (J)</td>
<td>Permanent</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>19 mm</td>
<td>Double keyway</td>
<td>max 100</td>
<td>820-3,000</td>
<td>2.8</td>
<td>1</td>
</tr>
<tr>
<td>US (B)</td>
<td>Permanent</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>19 mm</td>
<td>Double keyway</td>
<td>max 100</td>
<td>820-3,000</td>
<td>2.8</td>
<td>1</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>19 mm</td>
<td>Double keyway</td>
<td>max 100</td>
<td>820-3,000</td>
<td>2.8</td>
<td>1</td>
</tr>
<tr>
<td>JP (B)</td>
<td>Permanent</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>19 mm</td>
<td>Double keyway</td>
<td>max 100</td>
<td>820-3,000</td>
<td>2.8</td>
<td>1</td>
</tr>
</tbody>
</table>

Set contents: 1 POLY-PTX® 802 HT machine 1 DUST PREVENT SYSTEM 1 particulate matter protection cap 1 robust, impact-resistant plastic case for machine and accessories 1 new POLY-PTX® tightening screw 1 fleece wheel 1 expansion roller 1 zirconium sleeve 1 SC fleece sleeve

Please Note: For practical accessory sets, see page 166.
OVERVIEW OF PRODUCT ADVANTAGES

• Shadow-free satin finishing, brushing, polishing of all metals (stainless steel to non-ferrous metals) to wood.
• 18-volt professional linear grinding machine.
• Removes weld seams, deep scratches, rust, dirt, paint, and oxide layers.
• Balanced, straight-line control without support rollers. This allows the tool to be freely adjusted (oscillation effect), ensuring highly decorative surfaces in satin and matt finish and industrial grinding without shadows or transitions.
• Available for the first time with planetary gear, giving it the power of a plug-in machine of ~1,600 watts.
• Robust cast aluminium protective cover and vibration-damping, multi-adjustable handle.
• All LiHD batteries have LED charge indicators.
• Top-performance 5.5 Ah (optional 8.0 Ah) batteries, can be rotated to three positions by up to 270° for convenient handling.
• New CAS (Cordless Alliance System) battery interface: compatible with a number of drive units and makes available on the market. Dual utility and savings potential of your battery pack included – see page 15.
• The grinding belt roller allows ideal use as a pipe grinder.
• A “T-lock system” for pipe machining ensures safe, fast connection of fleece and felt belts to closed pipe constructions. No more hassle having to glue the belts.
The new linear grinding machine with POLY-PTX® AKKU HT (High Torque) represents a novelty in the area of battery-powered, hand-held grinding machines. For the first time, a sophisticated planetary gear has been developed for linear grinding applications, exhibiting an unprecedented torque for driving all accessories, such as grinding rollers, brushes, expansion rollers, and much more – almost like a cable-bound, mains-driven linear grinder. The planetary gear’s multiple sprockets allow increased output at the drive shaft that was previously unknown in this area. This enormous pulling power in a machine of very small size and weight is a global sensation and allows trade professionals entirely new capabilities on construction sites and in industrial operations that place special importance on cable-free work areas.

All familiar operations can now be performed cordlessly. The machine offers a constant speed of 1,600 rpm. This is ideally suited to most tools, such as fleece, mix, and flap wheels, expansion rollers with sleeves, brushes, and much more. An optional grinding belt roller also makes it suitable for pipe machining. The complete accessories for conventional linear grinders such as POLY-PTX® 802 HT can be used cordlessly with the revolutionary POLY-PTX® AKKU HT. The use of replaceable batteries allows the device to be employed for long periods of time. The batteries’ LED charge indicators allow you to keep track of how much charge you have left. The drive shaft is made of corrosion-free stainless steel with the familiar double splines, usable with all Eisenblätter tools.

Technical data POLY-PTX® AKKU HT basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (V)</th>
<th>Mount</th>
<th>Working width (mm)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>18</td>
<td>19 mm double keyway</td>
<td>max. 100</td>
<td>1,600</td>
<td>3.0</td>
<td>1</td>
<td>40301</td>
</tr>
</tbody>
</table>

Set contents:
1. POLY-PTX® AKKU HT machine, 18 volts
2. Robust, impact-resistant plastic case for machine and accessories
3. Particulate matter protection battery
4. 18-volt batteries with 5.5 Ah capacity
5. Charger, 220-240 volts
6. Cast aluminium protective cover for wheels of up to Ø 115 mm
7. New POLY-PTX® tightening screw
8. Spacer ring set
9. Fleece wheel
10. Expansion roller
11. Zirconium sleeve
12. SC fleece sleeve

Please Note:
For practical accessory sets, see page 166.
High-speed Charging Device

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

FEATURES

- **Patented “AIR COOLED” charging technology:** Batteries are cooled during charging for a much shorter charging time.

- **High charging current ensures that the battery packs are charged quickly.**

- **Very low stand-by power consumption.**

- **Maximum charging current:** 6.5 A.

- **Process-controlled charge management for gentle charging and the greatest possible number of charging cycles.**

- **One charger for charging all battery packs from our CAS partner:** [www.cordless-alliance-system.de](http://www.cordless-alliance-system.de)

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 ~ 50-60</td>
<td>6.5</td>
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<td>50474</td>
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</table>

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Power (V)</th>
<th>Battery capacity (Ah)</th>
<th>Suitable for</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 Ah CAS battery</td>
<td>18</td>
<td>5.5</td>
<td>CAS devices</td>
<td>0.89</td>
<td>1</td>
<td>50463</td>
</tr>
<tr>
<td>8.0 Ah CAS battery</td>
<td>18</td>
<td>8.0</td>
<td>CAS devices</td>
<td>0.98</td>
<td>1</td>
<td>50473</td>
</tr>
</tbody>
</table>
Suitable for

**ALL METALS**

**POLY-PTX® Accessory Set**

The POLY-PTX® accessory set means that the right tools are always handy – in the workshop and on-site. The ideal addition to the set for metal finishing from coarse grinding to fine grinding. Ready for most standard sheet metal working and pipe machining, including many accessory parts (no machine).

**Technical data:**

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse grinding to satin finish</td>
<td>POLY-PTX® 802 HT, POLY-PTX® AKKU HT, POLY-PTX® 800</td>
<td>1</td>
<td>40202</td>
</tr>
</tbody>
</table>

**Contents:**

1 mobile tool case
6 POLY-PTX® zirconium sleeve
2 POLY-PTX® SC fleece sleeve
1 POLY-PTX® flap wheel
1 POLY-PTX® mix wheel
1 POLY-PTX® grinding belt roller
4 POLY-PTX® high-quality corundum grinding belts
1 POLY-PTX® special adhesive tape
1 POLY-PTX® SC fleece belt
1 POLY-PTX® spacer ring set
1 BRIGHTEX® microfibre cloth
1 BRILLIANCE CLEAN 50 ml
1 Power Cleaner 50 ml
1 INOX PROTECT 50 ml
The POLY-PTX® 802 HT professional accessory set means that the right tools are always handy – in the workshop and on-site. This high-quality professional set in a lockable, stable, impact-resistant carrying case ensures that you have everything for shadow-free industrial grinding for perfect mirror finishes on metals (surfaces and pipes), and the newly developed cleaning and preserving agents for optimal surface protection against spots and fingerprints, ready to hand (without the machine).

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse grinding to a mirror finish</td>
<td>POLY-PTX® 802 HT, POLY-PTX® AKKU HT, POLY-PTX® 800</td>
<td>1</td>
<td>40203</td>
</tr>
</tbody>
</table>

Contents:

1 professional carrying case (survival)
1 POLY-PTX® spacer ring set
1 BRIGHTEX® Berry pre-polishing paste
1 BRIGHTEX® Sun post-polishing paste
1 Power Cleaner 50 ml
1 BRILLIANCE CLEAN 500 ml
1 INOX PROTECT 500 ml

2 BRIGHTEX® microfibre cloths
1 BRIGHTEX® Softclean Powder
1 POLY-PTX® zirconium sleeve
1 POLY-PTX® SC fleece sleeve
6 POLY-PTX® Trizact™ sleeves
2 POLY-PTX® BRIGHTEX® Berry polishing sleeves
2 POLY-PTX® BRIGHTEX® Sun polishing sleeves

1 POLY-PTX® flap wheel
1 POLY-PTX® grinding belt roller
2 POLY-PTX® grinding belts
1 POLY-PTX® SC fleece belt
6 POLY-PTX® Trizact™ belts
2 POLY-PTX® BRIGHTEX® Berry polishing belts
2 POLY-PTX® BRIGHTEX® Sun polishing belts
POWER TOOLS

Suitable for
WOOD

POLY-PTX® 802 HT
Wood
Accessory Set

The POLY-PTX® 802 HT wood accessory set means that the right tools are always handy – in the workshop and on-site. This set includes an additional Eco Smart adapter and contains everything you need for a brushed and rustic effect on wood surfaces and for polishing wax stains (without the machine).

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rustic effects, wax stain polishing</td>
<td>POLY-PTX® 802 HT</td>
<td>1</td>
<td>40204</td>
</tr>
</tbody>
</table>

Contents:

1 Suction cover for dust intake
1 spacer ring set
1 mix wheel Ø 115 x 100 mm
1 bristle wheel Ø 100 x 70 mm

1 bristle wheel Ø 100 x 25 mm
1 bristle wheel Ø 100 x 12 mm
1 wire wheel Ø 100 x 70 mm
1 wire wheel Ø 100 x 25 mm

1 fibre wheel Ø 100 x 100 mm

Working with wood:

In combination with the wire wheel, the POLY-PTX® 802 HT is eminently suitable for brushing out soft growth rings in coniferous woods. A coarse rustic effect is easy to produce due to the materials used (wire brush for steel).

Used with the bristle wheel, a flexible, grit-imregnated plastic brush, the POLY-PTX® 802 HT is the ideal tool for producing a rustic effect with a soft growth ring transition.

The fibre wheel guarantees stained wood surfaces are polished simply and yet with a top-quality finish. The flexible fibre brush guarantees a perfect matt sheen effect and is ideal for pore-deep cleaning and removal of dust.
POLY-PTX® 802 HT Suction Cover

for operations that generate lots of dust

Aluminium suction cover encloses the POLY-PTX® 802 HT protective cover laterally. For connecting to any commonly available industrial extractor. The new special hose guide allows workpieces to be machined all the way to the corners. Ideal for jobs that generate a great deal of dust (such as machining aluminium or wood). Usable with rollers up to 100 mm wide, delivery includes fixing bolts for mounting on an existing POLY-PTX® 802 HT protective cover.

Technical data:

<table>
<thead>
<tr>
<th>Usable for roller widths of up to (mm)</th>
<th>Suitable for</th>
<th>Connection dimensions</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>POLY-PTX® 802 HT</td>
<td>Exterior connection (mm)</td>
<td>Interior connection (mm)</td>
<td>1</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>40</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

Plastic Spacer Ring Set

For width adjustment on 19-mm double spline shafts for brushes, rollers, polishing rings, etc.

Contents:

- 2 units, 20 mm wide
- 1 unit, 10 mm wide
- 1 unit, 50 mm wide

Technical data:

<table>
<thead>
<tr>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard plastic</td>
<td>1</td>
<td>40007</td>
</tr>
</tbody>
</table>
POLY-PTX® 800

From the inventor of the linear grinding machine. Our variable-speed, multipurpose linear grinder with 1,750 watts of power output and an ergonomic design is extremely versatile – even for working widths of up to 150 mm. High torque and power reserves guarantee professional continuous operation and improved economy.

FEATURES

- Grinding, from coarse to fine.
- Balanced, straight-line control without support rollers. This allows free adjustment (oscillation effect). Ensures highly decorative surfaces in satin and matt finish and industrial grinding without shadows or transitions.
- Produces a satin finish, polishes to a mirror finish, and improves surface finish on stainless steel, steel, and non-ferrous metals – brass, bronze, copper, aluminium, etc. – and wood.
- Very fine grinding on large surface areas – with no shadows or streaks.
- Removes weld seams, deep scratches, rust, dirt, paint, and oxide layers.
- Just three steps from coarse grinding to a mirror finish on stainless steel and non-ferrous metals.
- The grinding belt roller allows ideal use as a pipe grinder.
- Grinds and polishes open and closed pipe constructions.
- A “T-lock system” for pipe machining ensures safe, fast connection of fleece and felt belts to closed pipe constructions. No more hassle having to glue the belts.
- Huge range of grinding tools to cover almost any conceivable job.
- With a rubberised handle for excellent control!
## Technical data POLY-PTX® 800 machine

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Power (W)</th>
<th>Mains connection (V ~ Hz)</th>
<th>Speed (rpm)</th>
<th>Mount</th>
<th>Working width (mm)</th>
<th>Roller diameter (mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>QUICK-LOCK</td>
<td>1,750</td>
<td>220-240 – 50-60</td>
<td>1,000-3,800</td>
<td>19 mm (double keyway)</td>
<td>max. 100 (with Eco Smart 150)</td>
<td>max. 115</td>
<td>3.3</td>
<td>1</td>
<td>40002</td>
</tr>
<tr>
<td>CH (J)</td>
<td>QUICK-LOCK</td>
<td>1,750</td>
<td>220-240 – 50-60</td>
<td>1,000-3,800</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.3</td>
<td>1</td>
</tr>
</tbody>
</table>

Delivery scope: 1 POLY-PTX® 800 machine, 1 QUICK-LOCK cable (4 m), 1 POLY-PTX® tightening screw, 1 fleece wheel (115 x 100 x 19 mm)

- **Adjustable five-position handle** for right and left-handed users – vibration-damping for fatigue-free work
- **Maintenance cover for quick carbon brush change**
- **Convenient speed control during operation**; tacho-generator for constant speed, even under load, with fine adjustment for tool optimisation
- **Only from Eisenblätter**: Rubberised handle for optimum, non-slip handling
- **Ininitely adjustable swivelling protective cover** with option to secure the extraction cover; infinitely adjustable, retractable polycarbonate ancillary cover for grinding roller widths of up to 150 mm
- **Optional particulate matter protection clips see pages 37 and 174**
- **Knurled screw allows tool-free attachment of rollers; now with rotary protection**
- **Optional Eco Smart adapter for roller widths of up to 150 mm and vibration-free operation**
- **QUICK-LOCK quick-release cable fastening** for fast, easy replacement of cables after damage, for example
Suitable for

**COARSE GRINDING TO A MIRROR FINISH**

**POLY-PTX® 800 Professional Set**

Complete solution for varied tasks

The POLY-PTX® 800 professional set means that the right tools are always handy – in the workshop and on-site. This set, consisting of the machine and an Eco Smart adapter in a practical, stable, impact-resistant carrying case ensures that you have everything for shadow-free industrial grinding for perfect mirror finishes on metals (surfaces and pipes), and the cleaning and preserving agents for optimal surface protection against spots and fingerprints, ready to hand. (Machine included in delivery.)

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Power (W)</th>
<th>Mains connection (V – Hz)</th>
<th>Speed (rpm)</th>
<th>Mount</th>
<th>Working width (mm)</th>
<th>Roller diameter (mm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>QUICK-LOCK</td>
<td>1,750</td>
<td>220-240 – 50-60</td>
<td>1,000-3,800</td>
<td>19 mm (double keyway)</td>
<td>up to 100 (with Eco Smart 150)</td>
<td>up to 115</td>
<td>1</td>
<td>40003-5</td>
</tr>
<tr>
<td>CH (J)</td>
<td>QUICK-LOCK</td>
<td>1,750</td>
<td>220-240 – 50-60</td>
<td>1,000-3,800</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>40003-5s</td>
</tr>
</tbody>
</table>

**Set contents:**

- 1 POLY-PTX® 800 machine
- 1 professional carrying case (survival)
- 1 QUICK-LOCK cable (4 m)
- 1 spacer ring set
- 1 Eco Smart adapter
- 1 mini-tube of high-gloss pink polishing cream
- 2 White and blue mini polishing paste
- 1 BRIGHTEX® Softclean Powder
- 1 BRILLIANCE CLEAN 500 ml
- 1 INOX PROTECT 500 ml
- 2 BRIGHTEX® microfibre cloths

**Linear grinding:**

- 1 expansion roller
- 2 zirconium sleeves
- 2 SC fleece sleeves
- 8 Trizact™ sleeves
- 3 SuperPolish sleeves
- 1 flap wheel
- 1 fleece wheel
- 8 Top Finish rings

**Pipe machining:**

- 1 grinding belt roller
- 2 grinding belts
- 1 SC fleece belt
- 8 Trizact™ belts
- 3 SuperPolish belts
POLY-PTX® 800 Aluminium Suction Cover
The aluminium suction cover encloses the POLY-PTX® 800 protective cover laterally. For connecting to any commonly available industrial extractor. The new parallel hose guide allows workpieces to be machined all the way to the corners.
Ideal for jobs that generate a great deal of dust (such as machining aluminium or wood).
Delivery includes fixing bolts for mounting on an existing POLY-PTX® 800 protective cover.

Technical data:

<table>
<thead>
<tr>
<th>Connection dimensions</th>
<th>Suitable for</th>
<th>Can be used with rollers of up to</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior connection (mm)</td>
<td>Interior connection (mm)</td>
<td>POLY-PTX® 800</td>
<td>(mm)</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>35</td>
<td>100</td>
<td>1</td>
<td>40005</td>
</tr>
</tbody>
</table>

QUICK-LOCK Cable
Suitable for VARILEX® WSF 900, 1600 & 1800, POLY-PTX® 300, 500 & 800, ROLEI EF 115, PIPE MAX, PIPE SNIPER, and GLADIUS® 1800.

Technical data:

<table>
<thead>
<tr>
<th>Version</th>
<th>Cable length (m)</th>
<th>Voltage (V)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3</td>
</tr>
<tr>
<td>EU (C+F)</td>
<td>10</td>
<td>220-240</td>
<td>1</td>
<td>52005-3</td>
</tr>
<tr>
<td>CH (J)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3s</td>
</tr>
<tr>
<td>AU</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3a</td>
</tr>
<tr>
<td>UK (B)</td>
<td>4</td>
<td>110</td>
<td>1</td>
<td>52004-3e</td>
</tr>
<tr>
<td>US (B)</td>
<td>4</td>
<td>120</td>
<td>1</td>
<td>52004-3u</td>
</tr>
</tbody>
</table>

Plug adapter – EU to UK
4
1
52004d
Suitable for

**PERFECT MITRE GRINDING**

**Stainless Steel Cover Plate**

Stainless steel cover plate produces precision mitre edges and easy cutting with shears.

Clean adhesion for perfect mitre grinding on all materials. Self-adhesive, can be removed without leaving any residue – easy control without rework guaranteed.

**YOU CAN FIND MORE DETAILS ON PAGE 286.**
Suitable for

SLEEVES Ø 90 mm

**POLY-PTX® Expansion Roller**

The patented triple-segment expansion roller is a special innovation. It ensures optimum adjustment to the workpiece, improving all grinding and polishing results. Changing the sleeve is particularly easy with the patented triple-segment system.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100 x 19</td>
<td>5,000</td>
<td>1</td>
<td>42002</td>
</tr>
<tr>
<td>Ø 90 x 50 x 19</td>
<td>5,000</td>
<td>1</td>
<td>42001</td>
</tr>
</tbody>
</table>

Suitable for

SLEEVES Ø 90 x 100 mm

**POLY-PTX® Inflatable Expansion Roller**

The individual "hardness adjustment" of the respective zirconium, ceramic, SC fleece, Trizact™, SuperPolish, BRIGHTEX®, and felt sleeves makes this inflatable expansion roller a good idea. It is particularly well-suited to grinding flat surfaces and edges. It can also be inflated with a bicycle pump or similar device (for individual pressure adjustment, adapter included).

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100 x 19</td>
<td>5,000</td>
<td>1</td>
<td>42003</td>
</tr>
</tbody>
</table>
Ceramic Sleeve

Grinding sleeves made from high-quality ceramic cloth with a service life multiples of that of a conventional grinding sleeve. For removing deep scratches, rust, scale, and weld seams. Generates bright, strong surface structures (for the coarse decorative finish).

**Suitable for ALL METALS**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width in mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100</td>
<td>Ceramic cloth</td>
<td>10</td>
<td>40</td>
<td>42440</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>42460</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>42480</td>
</tr>
</tbody>
</table>

**EISENBLÄTTER Ceramic self-sharpening process**

The existing grinding force breaks off sintered microcrystals, continuously giving the grit new, sharp cutting edges.
Suitable for
STEEL · STAINLESS STEEL

Zirconium Sleeve

Grinding sleeves of high-quality zirconium cloth for removing deep scratches, rust, scale, and weld seams (for a powerful line finish).
ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGES 175 AND FOLLOWING).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width in mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100</td>
<td>Zirconium cloth</td>
<td>10</td>
<td>40</td>
<td>42040</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>42180</td>
</tr>
<tr>
<td>Ø 90 x 50</td>
<td>Zirconium cloth</td>
<td>10</td>
<td>40</td>
<td>42301</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>60</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>42306</td>
</tr>
</tbody>
</table>
Trizact™ Sleeve

New type of abrasive cloth with pyramid-shaped grit structure. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.
ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGE 175).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width in mm)</th>
<th>Packaging unit</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Material removal (like approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100</td>
<td>10</td>
<td>A160</td>
<td>120</td>
<td>24</td>
<td>42280</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A100</td>
<td>220</td>
<td>36</td>
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<td>A65</td>
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<td>A06</td>
<td>2,000</td>
<td>120</td>
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</tbody>
</table>
Balancing

The balancing process is used only on linear grinding rollers from Eisenblätter.

The quality of the surface finish crucially depends on whether the grinding rollers run perfectly. The individual grinding rollers are often out of balance due to factors relating to production and raw materials which result in imbalance and vibration. This is transmitted to the workpiece, resulting in chatter marks and shadows and producing results that are not clean. Eisenblätter offers this exclusive advantage all over the world for a number of products.

Eisenblätter wheels are balanced with a machine designed specially for the purpose (similar to the machine used for car tyres). Imbalances are compensated for with counterweights.

The result: The roller rotates perfectly. This ensures high quality for grinding and satin finishing. Surfaces can be machined perfectly, and there is no costly, time-consuming rework as there is with grinding rollers that have not been balanced.
**Flap Wheel**

Abrasives flap wheel for surface grinding

For removing rust, oxide layers, paint, and scratches and for satin finishing and applying strong structures to metals. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
<td>4</td>
<td>40</td>
<td>41440</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>160</td>
<td>41491</td>
<td></td>
</tr>
<tr>
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<td>1,000-2,000</td>
<td>5,000</td>
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<td>4</td>
<td>24</td>
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</tr>
</tbody>
</table>

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**Gum Wheel**

Especially soft gum wheel with silicon grit for improved workpiece adjustment. For eliminating minor scratches and removing scale. The result is a brightly gleaming, powerfully textured decorative linear grind on stainless steel and non-ferrous metals. Also used for smoothing wood fibre.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
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<tbody>
<tr>
<td>Ø 105 x 100 x 19</td>
<td>1,000-2,000</td>
<td>2,000</td>
<td>2</td>
<td>60</td>
<td>45061</td>
</tr>
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<td></td>
<td></td>
<td></td>
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<td>120</td>
<td>45181</td>
</tr>
<tr>
<td>Ø 105 x 50 x 19</td>
<td>1,000-2,000</td>
<td>2,000</td>
<td>4</td>
<td>60</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>45180</td>
</tr>
</tbody>
</table>
Suitable for
STAINLESS STEEL · NON-FERROUS METALS

Cut & Polish Fleece Wheel (S/C)

The extremely high grit content combined with a silicon carbide grit mix allows this well-known satin finish (industrial grinding K240-280) to be achieved extremely quickly on stainless steel. A satin finish can be achieved without prep work even on untreated, scratch-free stainless steel surfaces.

Recommendation when there are scratches: Prep work with a 60 grit fleece wheel. Oxide layers are quickly removed by the high grit content. The bright finish produces a very attractive effect.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>Silicon carbide fleece</td>
<td>2</td>
<td>240-280</td>
<td>43004</td>
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</tbody>
</table>

Generate an industrial finish without prep work – even scale is quickly removed.
CERAMIC Flap Wheel

Powerful material removal with a decorative sheen effect

A newly developed ceramic abrasive flap wheel of ceramic grit ensures a previously unachieved glossy look, especially on stainless steel. The powerful, high-gloss linear structures allow completely new decorative effects! Especially attractive for small visible surfaces. The ceramic grit has a significantly more aggressive impact and easily removes scratches of medium severity in a single work step. Can also be used for cleaning and removing rust and scale. The results come significantly quicker than with conventional flap wheels of aluminium oxide cloth. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>Ceramic cloth</td>
<td>4</td>
<td>40</td>
<td>41540</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>80</td>
<td>41580</td>
<td></td>
</tr>
</tbody>
</table>

EISENBLÄTTER Ceramic self-sharpening process

The existing grinding force breaks off sintered microcrystals, continuously giving the grit new, sharp cutting edges.
CERAMIC Mix Wheel

Remove scratches with a very attractive sheen effect

A completely new and especially attractive surface appearance on stainless steel can be achieved with this newly developed grinding roller. A special ceramic flap formulation was used, as was our refined fleece cloth with grit 60.

The wear behaviour between fleece and ceramic cloth is critical here if uniform grinding results are to be achieved over the grinding roller’s service life. The CERAMIC mix wheel meets these requirements and generates a previously unachieved, glossy linear structure, which achieves a special effect, especially on visible surfaces. The result is a lighter, slightly glittering sheen, completely without shadows. At the same time, minor damage to the sheet or light scratches are also removed. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
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<tbody>
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<td>5,000</td>
<td>Ceramic cloth</td>
<td>4</td>
<td>60</td>
<td>44561</td>
</tr>
</tbody>
</table>
Suitable for
STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD · HARD PLASTICS

SC Fleece Sleeve

Technical surface conditioning fleece ideally suited to deburring, fine grinding, and removing oxide layers. Also works very well for decorative satin finishing and linear grinding while removing minor scratches (you may want to do rework with a POLY-PTX® fleece wheel to neutralise grinding transitions).

ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGE 175).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width in mm)</th>
<th>Material</th>
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<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
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<td>coarse</td>
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<td>Ø 90 x 50</td>
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<td>400</td>
<td>grey</td>
<td>very fine</td>
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</table>
Suitable for
STEEL · STAINLESS STEEL · WOOD

Mix Wheel
Fleece abrasive flap combination wheel

High-quality grit-impregnated nylon fleece with versatile high-quality corundum abrasive cloth for uniform wear over its entire service life. It is more abrasive than pure fleece wheels. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

Metal: Matt finishing; satin finishing; removing minor scratches, oxide, and paint; etc.
Wood: Smoothing surfaces and removing old paint, dirt, etc.

Technical data:

<table>
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<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
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<td>60</td>
<td>44061</td>
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<tr>
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<td>5,000</td>
<td>High-quality corundum cloth</td>
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<td></td>
<td></td>
<td>180</td>
<td>44180</td>
</tr>
<tr>
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<td>5,000</td>
<td>High-quality corundum cloth</td>
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</tr>
<tr>
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<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
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<td>44180a</td>
</tr>
</tbody>
</table>
FINISHING AND FINE GRINDING

Suitable for

STAINLESS STEEL · NON-FERROUS METALS · WOOD

Fleece Wheel

Compact high-tech fleece wheel made from compressed nylon grit fleece for industrial grinding

Very high-quality fleece fabric for especially long service life. Generates a shadow-free industrial finish (matt finish, satin finish). Can also be used for pre-polishing, removing oxide layers, blending “pre-ground” sheet metal, and smoothing surfaces. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly. Provides the option of achieving a working width of 110 mm (fits all satin-finish tools) with 60, 80, and 180 grits and a diameter of 115 mm. The tightening screw is sunk into the wheel, allowing grinding up to the edge.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 110 x 19 (an extra 10 mm wide for corner grinding)</td>
<td>1,000-2,500</td>
<td>5,000</td>
<td>Nylon fleece fabric</td>
<td>4</td>
<td>60</td>
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</tr>
<tr>
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<td></td>
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<td>43181</td>
</tr>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,500</td>
<td>5,000</td>
<td>Nylon fleece fabric</td>
<td>4</td>
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<td></td>
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<td>900</td>
<td>43901</td>
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<td>1,000-2,500</td>
<td>5,000</td>
<td>Nylon fleece fabric</td>
<td>4</td>
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<td>Ø 105 x 100 x 19</td>
<td>1,000-2,500</td>
<td>5,000</td>
<td>Nylon fleece fabric</td>
<td>4</td>
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<td>Ø 105 x 50 x 19</td>
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<td>Nylon fleece fabric</td>
<td>4</td>
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<td></td>
<td></td>
<td></td>
<td>280</td>
<td>43280a</td>
</tr>
</tbody>
</table>
**Fleece Top Wheel**

Fleece wheel compressed with polyurethane foam. Multiple times the service life of pure fleece wheels. Generates strong linear structures with a decorative sheen and performs fine deburring of perforated sheet metal. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 112 x 100 x 19</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Foamed nylon fleece fabric</td>
<td>2</td>
<td>80</td>
<td>43102</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>43103</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>43105</td>
</tr>
</tbody>
</table>

**Suitable for:**

**ALL METALS · WOOD**

**NEW**

**Scrubby Wheel**

The sophisticated solution for uneven surfaces

Highly flexible high-quality corundum wheel for abrasive cloth with flaps with multiple slits. For all sheet metal, including with punches and drill bores, it quickly produces linear grinding while deburring all punch or bore edges. The large number of pre-slitted cloth flaps mean that the individual flap sections are able to get perfectly into all uneven spots and round all interior edges.

This wheel can be used with many materials, such as steel, stainless steel, non-ferrous metals, hard plastics, and wood. With a vibration-damping core for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum</td>
<td>2</td>
<td>120</td>
<td>41314</td>
</tr>
</tbody>
</table>
POLY-PTX® Eco Smart Adapter

The fastest and cheapest mount for grinding rollers

The low-cost, innovative, tool-free linear grinding quick-release system for use on the 100 mm POLY-PTX® coupling shaft. Just push tool rollers onto the Eco Smart adapter – they will be fixed in place with the machine’s running motions without any further effort. Whether the components are extra-wide rollers with a 150-mm working depth or narrow wheels with a 50-mm working depth – they will all be quickly and reliably fixed with the Eco Smart adapter. Wheels that are 50 mm wide can be fixed at any position on the shaft without spacer rings.

FEATURES

- Can be used with POLY-PTX® and all linear grinding machines with Ø 19 mm spline shaft.
- Innovative tool mount for quick roller change.
- The simple Eco Smart system can be used with Eco Smart tools such as mix and fleece wheels with working widths of up to 150 mm.
- Finned rigid rubber sleeve ensures completely vibration-free work and keeps the tools running perfectly.
- Simply slide the adapter onto the spline shaft and you’re ready to use Eco Smart tools.
- Guarantees immediate, secure fixing of tools.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 45 x 100 x 19</td>
<td>6,000</td>
<td>1</td>
<td>42004</td>
</tr>
</tbody>
</table>

Simply mount the Eco Smart adapter on the linear grinding machine’s Ø 19 mm spline shaft to start using Eco Smart tools.

The counter-rotating rubber flaps allow Eco Smart wheels to be secured in seconds without tools.
Eco Smart Flap Wheel

Abrasive flap wheel for surface grinding in the Eco Smart version (eliminating the cost of the inner core, inner sleeves, or cast resin) for removing rust, oxide layers, and scratches and for applying a textured and satin finish on all metals. Easy-to-use quick-release function for Eco Smart rollers in any position on the Eco Smart adapter.

ONLY IN CONNECTION WITH AN ECO SMART ADAPTER (SEE PAGE 188).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 100 x 45</td>
<td>High-quality corundum cloth</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>4</td>
<td>40</td>
<td>47211</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>47212</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>47213</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>47214</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47215</td>
</tr>
<tr>
<td>Ø 105 x 50 x 45</td>
<td>High-quality corundum cloth</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>4</td>
<td>40</td>
<td>47202</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
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<td>80</td>
<td>47205</td>
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<td>120</td>
<td>47206</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47207</td>
</tr>
</tbody>
</table>
FINISHING AND FINE GRINDING
POLY-PTX® ECO SMART

Suitable for
STEEL · STAINLESS STEEL · WOOD

Eco Smart Mix Wheel
Fleece abrasive flap combination wheel

High-quality grit-impregnated nylon fleece with high-quality corundum abrasive cloth for uniform fleece and abrasive cloth wear in an Eco Smart design (eliminating costs for inner core, inner sleeves, or cast resin; working width of up to 150 mm). It is more abrasive than pure fleece wheels.

Metal: Matt finishing; satin finishing; removing minor scratches, oxide, and paint; etc.

Wood: Smoothing surfaces and removing old paint, dirt, etc.

ONLY IN CONNECTION WITH AN ECO SMART ADAPTER (SEE PAGE 188).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 150 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
<td>2</td>
<td>80</td>
<td>47322</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47323</td>
</tr>
<tr>
<td>Ø 105 x 100 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
<td>4</td>
<td>60</td>
<td>47311</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>47312</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47313</td>
</tr>
<tr>
<td>Ø 105 x 50 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>High-quality corundum cloth</td>
<td>4</td>
<td>60</td>
<td>47301</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>80</td>
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<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47303</td>
</tr>
</tbody>
</table>

The Eco Smart system allows ideal grinding all the way to corners (sheet metal upstands) since all Eco Smart tools can be placed anywhere on the Eco Smart adapter without spacer rings.
Suitable for

STAINLESS STEEL · NON-FERROUS METALS · WOOD

Eco Smart Fleece Wheel

Compact high-tech fleece wheel of compressed nylon grit fleece for an industrial finish

High-tech fleece wheel in an Eco Smart design (eliminating costs for inner core, inner sleeves, or cast resin; working width of up to 150 mm). Generates a shadow-free industrial finish (matt finish, satin finish). Can also be used for pre-polishing, removing oxide layers, blending “pre-ground” sheet metal, and smoothing surfaces.

CAN BE USED ONLY WITH THE ECO SMART ADAPTER (SEE PAGE 188).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 105 x 150 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>Nylon fleece</td>
<td>2</td>
<td>80</td>
<td>47422</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>47423</td>
</tr>
<tr>
<td>Ø 105 x 100 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>Nylon fleece</td>
<td>4</td>
<td>60</td>
<td>47411</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>47415</td>
</tr>
<tr>
<td>Ø 105 x 50 x 45</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>Nylon fleece</td>
<td>4</td>
<td>80</td>
<td>47402</td>
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<tr>
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<td></td>
<td></td>
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<td>47403</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>47404</td>
</tr>
</tbody>
</table>

The Eco Smart system also allows working widths of up to 150 mm!
Suitable for

**ALL METALS**

**BRIGHTTEX® Polishing Sleeve**

Berry & Sun

Polishing material that is already impregnated with **BRIGHTTEX® polishing paste** removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish. **For immediate use** without additional pastes and creams!

**ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGE 175).**

**FEATURES**

**Step 1: BRIGHTTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTTEX® Sun (main polish):**
- A mirror finish that's almost like chrome plating – perfect finish!
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.
- **Please Note:** After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTTEX® pastes.

- For reconditioning high-gloss surfaces which have been polished mechanically.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use **Eisenblätter care and cleaning products** for removing polish residues (BRIGHTTEX® Softclean Powder, Power Cleaner).
- Completely new **high-tech paste formulation** for metals.
- For immediate use without additional pastes and creams!

**Technical data:**

<table>
<thead>
<tr>
<th>Version</th>
<th>Dimensions (Diameter x width in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Application</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berry (pink)</td>
<td>Ø 90 x 100</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>High-gloss polishing</td>
<td>2</td>
<td>42014</td>
</tr>
<tr>
<td>Berry (pink)</td>
<td>Ø 90 x 50</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>High-gloss polishing</td>
<td>4</td>
<td>42332</td>
</tr>
<tr>
<td>Sun (yellow)</td>
<td>Ø 90 x 100</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Mirror-finish polishing</td>
<td>2</td>
<td>42015</td>
</tr>
<tr>
<td>Sun (yellow)</td>
<td>Ø 90 x 50</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Mirror-finish polishing</td>
<td>4</td>
<td>42333</td>
</tr>
</tbody>
</table>
SuperPolish Sleeve

**Revolutionary special fleece.** Used with polishing pastes and creams for a **shiny mirror finish** on stainless steel and non-ferrous metals which leaves **no smears or shadows.**

**ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGE 175) AND POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

**Please Note:** Always use a separate sleeve for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (Diameter x width in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100</td>
<td>5</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Polishing fleece</td>
<td>4</td>
<td>42013n</td>
</tr>
<tr>
<td>Ø 90 x 50</td>
<td>5</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Polishing fleece</td>
<td>4</td>
<td>42331</td>
</tr>
</tbody>
</table>

Felt Sleeve

**First-rate Merino felt sleeve, continuous throughout** with no joins. For rapid mirror finish using polishing pastes and creams that leave no scratches or smears.

**ONLY IN CONNECTION WITH AN EXPANSION ROLLER (SEE PAGE 175) AND POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

**Please Note:** Always use a separate felt disc for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (Diameter x width in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 100</td>
<td>5</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>Merino felt</td>
<td>4</td>
<td>42013</td>
</tr>
</tbody>
</table>
**Polishing**

**Felt Wheel**

For **pre-polishing and high gloss polishing** of small to medium even surfaces, from non-ferrous metals to stainless steel. **First-class Merino felt wheel** of **continuous felt material** with a vibration-damping sleeve for single, double, and quadruple spline shafts; ensures that the wheel runs perfectly. Can be used with great contact pressure.

**ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

Please Note: Do not use different pastes or creams on the same felt wheel.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 50 x 19</td>
<td>Merino felt</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>4</td>
<td>40017</td>
</tr>
</tbody>
</table>

**Cotton Ring**

Fine **cotton rings** for polishing. **Impregnated version for non-ferrous metals.** Ideal for **high-gloss polishing** of non-ferrous metals, such as aluminium and brass. Ideal for uneven workpieces and chequered plate. The spline shaft hole allows it to be slipped directly onto the POLY-PTX® 802 HT. Eight units fit perfectly on the 100-mm POLY-PTX® shaft.

**ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

Please Note: Do not use different pastes or creams on the same cotton ring.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 10 x 19</td>
<td>Cotton ring (impregnated)</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>8</td>
<td>40019</td>
</tr>
</tbody>
</table>
Mirror Finishing Ring, Medium

Fine polishing rings of technical fleece material, impregnated for stainless steel. For main polish on narrow or uneven stainless steel surfaces and chequered plate. The spline shaft hole allows it to be slipped directly onto the POLY-PTX® 802 HT. Eight units fit perfectly on the 100-mm POLY-PTX® shaft.

ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).

Please Note: Do not use different pastes or creams on the same mirror finishing ring.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 10 x 19</td>
<td>Technical fleece material (impregnated)</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>8</td>
<td>40019m</td>
</tr>
</tbody>
</table>

Mirror Finishing Ring, Soft

Fine, soft polishing rings of technical fleece material. Excellent mirror finishing effect (final polish for metals from stainless steel to non-ferrous metals) with the same result as buff wheels. The spline shaft hole allows it to be slipped directly onto the POLY-PTX® 802 HT. Eight units fit perfectly on the 100-mm POLY-PTX® shaft.

ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).

Please Note: Do not use different pastes or creams on the same mirror finishing ring.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 10 x 19</td>
<td>Technical fleece material</td>
<td>1,000-3,000</td>
<td>5,000</td>
<td>8</td>
<td>40019t</td>
</tr>
</tbody>
</table>
**BRIGHTEX® High-performance Polishing Pastes**

The fastest way to a mirror finish

For the first time, the pre-polishing and main polishing steps can be completed with just one paste (BRIGHTEX® Berry)! This has been made possible by a completely new formulation. For instance, stainless steel can be polished to a mirror finish in only a few moments. This saves several working steps. The yellow BRIGHTEX® Sun paste creates an even brighter high gloss shine – almost as if it’s chrome plated. Both pastes can be used on SuperPolish discs and belts and on felt discs, belts, and sleeves. The pastes are applied to the polishing disc, belt, or sleeve while it is running at a low speed so that it is completely covered. This process can be repeated several times. The pastes can also be used for the new BRIGHTEX® polishing system (pre-impregnated polishing discs, belts, and sleeves) to “top up” the polishing fleeces as required.

**FEATURES**

**Step 1: BRIGHTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional working steps.

**Step 2: BRIGHTEX® Sun (main polish):**
- A mirror finish that’s almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.
- Please Note: After changing pastes, always remove the polish residue from the workpiece!

- For reconditioning high-gloss surfaces which have been polished mechanically.
- For use with felt, cotton, fleece discs, wheels, sleeves, belts, etc.
- Ideal for use with polishing machines and hand-held polishing tools (POLY-PTX®).
- For the best results, use Eisenblätter care and cleaning products to remove polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).
- Completely new high-tech paste formulation for metals.

**Technical data:**

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Application</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRIGHTEX® Berry pre- and main polish (pink)</td>
<td>about 1,100</td>
<td>High-gloss polishing</td>
<td>1</td>
<td>40025</td>
</tr>
<tr>
<td>BRIGHTEX® Berry mini paste (pink)</td>
<td>about 140</td>
<td>High-gloss polishing</td>
<td>1</td>
<td>40025m</td>
</tr>
<tr>
<td>BRIGHTEX® Sun post-polishing paste (yellow)</td>
<td>about 1,300</td>
<td>Mirror-finish polishing</td>
<td>1</td>
<td>40026</td>
</tr>
<tr>
<td>BRIGHTEX® Sun mini paste (yellow)</td>
<td>about 140</td>
<td>Mirror-finish polishing</td>
<td>1</td>
<td>40026m</td>
</tr>
</tbody>
</table>
POLISHING

**BRIGHTEX® Softclean Powder**

A new, much improved cleaning powder removes all cream and paste residue after every polish, giving all metals a polished, completely scratch-free shine. Simply apply a little using the shaker, as you would powdered sugar, and wipe it off with a clean microfibre cloth without applying any pressure. The powder consists of ultra-fine micro-particles with a large surface area for the best possible absorbency.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents (g)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resealable bag</td>
<td>about 1,000</td>
<td>1</td>
<td>40028</td>
</tr>
<tr>
<td>Aluminium shaker</td>
<td>about 200</td>
<td>1</td>
<td>40029</td>
</tr>
</tbody>
</table>

**BRIGHTEX® Microfibre Cloths**

Much improved, ultra-soft microfibre cloth, free of seams for completely scratch-free cleaning of stainless steel surfaces and other decorative metals. Particularly soft and absorbent. Can be washed repeatedly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Quality (g/m²)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 x 400</td>
<td>360</td>
<td>5</td>
<td>40031</td>
</tr>
</tbody>
</table>
POLISHING

Power Cleaner
Universal cleaner in its most environmentally-friendly form

Clean and preserve – especially for the removal of grease-based polish residue (BRIGHTEX® pastes).

YOU CAN FIND MORE DETAILS ON PAGE 276.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40057</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40055</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40056</td>
</tr>
</tbody>
</table>

Polishing Pastes (Classic)
Mirror-finish polishing for all metals (including aluminium).

White for pre-polishing, blue for final polish.

Technical data:

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-polishing paste (white)</td>
<td>about 650</td>
<td>1</td>
<td>40013</td>
</tr>
<tr>
<td>Polishing paste (blue)</td>
<td>about 650</td>
<td>1</td>
<td>40014</td>
</tr>
<tr>
<td>White and blue mini paste</td>
<td>approx. 120 (60 each)</td>
<td>1</td>
<td>40009</td>
</tr>
</tbody>
</table>

Pink Polishing Cream
For final polishing, with Classic polishing pastes, for example, it produces a flawless mirror finish on all metals when applied with SuperPolish, felt, and polishing rings. Brings a quick shine – also suitable for manual application with polishing cloths. Ideal for moulded parts as well.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can</td>
<td>about 1,000 g</td>
<td>1</td>
<td>40015</td>
</tr>
<tr>
<td>Mini-tube</td>
<td>approx. 60 ml</td>
<td>1</td>
<td>40015t</td>
</tr>
</tbody>
</table>
Suitable for

ALL METALS · WOOD

CLEAN-MIX Wheel

Cleaning wheel with intermediate abrasive flap layers for a quick cleaning effect and long service life

Newly designed cleaning wheel with intermediate abrasive flap layers. For an enhanced cleaning effect and longer service life. The stabilizing abrasive flaps prevent the CLEAN material from dissipating early. The improved grinding effect thus achieved makes removing scales, rust, burrs, and paint much more effective. The intermediate abrasive cloth layers wear uniformly with the cleaning fleece so that no disparities between the grinding components arise. The open, elastic cloth pores of the CLEAN material mean that the product does not clog and allows a sand-blast-like effect on metal. Weld seams are made clean and bright, pore-deep. Paint can be removed quickly and effortlessly from wood, and weathered wooden beams or planks can be renewed in record time.

FEATURES

- The quickest way to remove scales, rust, burrs, etc. from metals.
- Quick cleaning and renewing of metal and wooden surfaces.
- The intermediate abrasive flap layers, tailored to the CLEAN material, ensure uniform wear and therefore consistent grinding results.
- With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>2</td>
<td>44018</td>
</tr>
</tbody>
</table>
POLY-PTX®
Clean Wheel

Ultra-resistant nylon fleece cleaning wheel

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. The effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders. At a width of 100 mm, the overhang provides a working width of 110 mm (fits all satin-finish tools). The tightening screw is sunk into the wheel, allowing grinding up to the edge. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 110 x 19 (an extra 10 mm wide for corner grinding)</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>2</td>
<td>40018</td>
</tr>
<tr>
<td>Ø 115 x 50 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>4</td>
<td>40018a</td>
</tr>
</tbody>
</table>

Suitable for
STEEL · STAINLESS STEEL · NON-FERROUS METALS · WOOD
POLY-PTX®
Clean Wheel Soft

Ultra-soft nylon fleece cleaning wheel

Cleans and removes pore-deep paint, rust, scale, and dirt on all materials. Effect is similar to that of sand-blasting: cleans without removing material. Ideal for car bodywork, the automotive industry, shipyards, and renovation work by commercial decorators and builders. Can also be used for a coarse satin finish (grit 60).

Tip: Ideal for targeted elimination without rework of scratches from surfaces that have already been satin finished.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Ideal speed (rpm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 115 x 100 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>2</td>
<td>40018w</td>
</tr>
<tr>
<td>Ø 115 x 50 x 19</td>
<td>1,000-2,000</td>
<td>5,000</td>
<td>4</td>
<td>40018wa</td>
</tr>
</tbody>
</table>

Flexibel

STAHL

STAINLESS

STEEL

EDELSTAHL

BUNTMETALLE

HOLZ

WOOD

BALANCED

Professional tip: Ideal for removing scratches and pre-polishing for mirror-finish polishing.
TECHNICAL BRUSHES

Suitable for
STEEL - WOOD

Wire Wheel
Braided steel brush, corrugated, for greater wire stability

Metal: For removing rust, deburring, rough grinding, and cleaning steel. Wood: For brushing out soft growth rings on hardwoods and creating coarse, rustic effects.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Wire thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 25 x 19</td>
<td>Steel</td>
<td>0.27</td>
<td>8,000</td>
<td>4</td>
<td>46302n</td>
</tr>
<tr>
<td>Ø 100 x 70 x 19</td>
<td>Steel</td>
<td>0.27</td>
<td>8,000</td>
<td>1</td>
<td>46301</td>
</tr>
</tbody>
</table>

Suitable for
STAINLESS STEEL

Stainless Steel Wire Wheel
Durable stainless steel brush (spring steel)

For cleaning weld seams, deburring (rustproof), removing rust, rough grinding, and removing lacquer, paint, and impurities on such items as perforated stainless steel sheets.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Wire thickness (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 12 x 19</td>
<td>Stainless steel 1.4310</td>
<td>0.2</td>
<td>8,000</td>
<td>8</td>
<td>46202</td>
</tr>
<tr>
<td>Ø 100 x 25 x 19</td>
<td>Stainless steel 1.4310</td>
<td>0.2</td>
<td>8,000</td>
<td>4</td>
<td>46202n</td>
</tr>
<tr>
<td>Ø 100 x 70 x 19</td>
<td>Stainless steel 1.4310</td>
<td>0.2</td>
<td>8,000</td>
<td>1</td>
<td>46201</td>
</tr>
</tbody>
</table>
**Bristle Wheel**

Grit-impregnated, flexible plastic brush

**Metal:** For rough grinding and deburring.

**Wood:** For generating rustic effects with soft growth ring transitions in soft wood.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Maximum speed (rpm)</th>
<th>Bristle thickness (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 12 x 19</td>
<td>Grit-impregnated nylon</td>
<td>8,000</td>
<td>1.27</td>
<td>8</td>
<td>46102</td>
</tr>
<tr>
<td>Ø 100 x 25 x 19</td>
<td>Grit-impregnated nylon</td>
<td>8,000</td>
<td>1.27</td>
<td>4</td>
<td>46102n</td>
</tr>
<tr>
<td>Ø 100 x 70 x 19</td>
<td>Grit-impregnated nylon</td>
<td>8,000</td>
<td>1.27</td>
<td>1</td>
<td>46101</td>
</tr>
</tbody>
</table>

**Fibre Wheel**

Flexible fibre brush for polishing stained wood surfaces to create a matt sheen effect and for pore-deep dust removal and cleaning.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Maximum speed (rpm)</th>
<th>Bristle thickness (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100 x 100 x 19</td>
<td>Fibre</td>
<td>8,000</td>
<td>0.4</td>
<td>1</td>
<td>46400</td>
</tr>
</tbody>
</table>

**Working with wood:**

- In combination with the wire wheel, the POLY-PTX® is eminently suitable for brushing out soft growth rings in coniferous woods. A coarse rustic effect is easy to produce due to the materials used (wire brush for steel).
- Used with the bristle wheel, a flexible, grit-impregnated plastic brush, the POLY-PTX® is the ideal tool for producing a rustic effect with a soft growth ring transition.
- The fibre wheel guarantees stained wood surfaces are polished easily and yet with a top-quality finish. The flexible fibre brush guarantees a perfect matt sheen effect and is ideal for pore-deep cleaning and removal of dust.
POLY-PTX® Grinding Belt Roller

for belts of up to 30 mm width

Grinding belt roller of wear-resistant, soft, fluted Vulcan plastic for a better grip and no-slip work with lateral stainless steel flanges. With a vibration-damping sleeve for single, double, and quadruple spline shafts, ensuring the wheel runs perfectly.

YOU CAN FIND SUITABLE BELTS ON PAGES 205 AND FOLLOWING.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (Diameter x width x drill bore in mm)</th>
<th>Material</th>
<th>Maximum speed (rpm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 85 x 70 x 19</td>
<td>Vulcuan polyurethane with stainless steel flanges</td>
<td>6,500</td>
<td>1</td>
<td>40006va</td>
</tr>
</tbody>
</table>

TIP:
Closed grinding belts, such as the grinding belt or Trizact™ belt, are cut open for work on closed pipe constructions, placed across the pipe and taped around in an overlapping pattern (about 370°) along their entire length with our specially developed adhesive tape.
**POLY-PTX® Special Adhesive Tape**

Heat-resistant adhesive tape with linear reinforcement for a tear-resistant hold on grinding belts. For resealing high-quality corundum and Trizact™ belts for work on closed pipe systems with contact wheels.

**Technical data:**

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Length (m)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>50</td>
<td>High-quality corundum cloth</td>
<td>1</td>
<td>49000</td>
</tr>
</tbody>
</table>

**High-quality Corundum Grinding Belt**

Elastically flexed high-quality corundum grinding belt for a variety of grinding work, even on tight radii. For coarse grinding, pre-grinding, smoothing, and removing burrs and rust from round pipes.

*Only in connection with a grinding belt roller (POLY-PTX®, page 204, and VARILEX®, page 138).*

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 600</td>
<td>High-quality corundum cloth</td>
<td>10</td>
<td>40</td>
<td>49040</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>49060</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>49080</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>49120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150</td>
<td>49150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>49180</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>240</td>
<td>49240</td>
</tr>
</tbody>
</table>

Please Note: Special adhesive tape for resealing (see page 205).
Trizact™ Belt

Ideal for removing scratches and pre-polishing for mirror-finish polishing

New type of abrasive cloth with pyramid-shaped grit structure. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness. ONLY IN CONNECTION WITH A GRINDING BELT ROLLER (POLY-PTX®, PAGE 204, AND VARILEX®, PAGE 138).

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Material removal (like approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 600</td>
<td>10</td>
<td>A100</td>
<td>220</td>
<td>36</td>
<td>49370</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A65</td>
<td>280</td>
<td>40</td>
<td>49365</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A45</td>
<td>400</td>
<td>50</td>
<td>49345</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A30</td>
<td>600</td>
<td>60</td>
<td>49330</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A16</td>
<td>1200</td>
<td>80</td>
<td>49316</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A06</td>
<td>2000</td>
<td>120</td>
<td>49306</td>
</tr>
</tbody>
</table>

Please Note: Special adhesive tape for resealing (see page 205).
**SC Fleece Belt (T-lock)**

Resealable with T-lock

Technical Surface Conditioning fleece belt with the patented T-lock (resealable). For removing minor scratches and oxide layers, matt finishing, satin finishing, and deburring “closed” pipe constructions and railings. **ONLY IN CONNECTION WITH A GRINDING BELT ROLLER (POLY-PTX®, PAGE 204, AND VARILEX®, PAGE 138).**

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 660</td>
<td>SC nylon fleece with reinforcing fabric</td>
<td>5</td>
<td>80</td>
<td>brown</td>
<td>coarse</td>
<td>49001</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>red</td>
<td>medium</td>
<td>49002</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>49003</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>grey</td>
<td>very fine</td>
<td>49007</td>
</tr>
</tbody>
</table>

**Suitable for**

ALL METALS · WOOD · HARD PLASTICS
PIPE MACHINING

Suitable for

**ALL METALS**

**BRIGHTEX® Polishing Belts**

Berry & Sun

Polishing material that is already impregnated with **BRIGHTEX® polishing paste** removes the time-consuming hassle of applying pastes and creams to give untreated metal a **shadow-free mirror finish**.

For immediate use without additional pastes and creams!

ONLY IN CONNECTION WITH A GRINDING BELT ROLLER (POLY-PTX®, PAGE 204, AND VARILEX®, PAGE 138).

FEATURES

**Step 1: BRIGHTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTEX® Sun (main polish):**
- A mirror finish that's almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

**Please Note:**
After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTEX® pastes.

- For freshening up surfaces with a mechanical high-gloss polish.
- Ideal for use with polishing machines and hand-held polishing tools.
- For the best results, use **Eisenblätter care and cleaning products** for removing polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).
- Completely new **high-tech paste formulation** for metals.

**NEW:** Now available as a re-closable belt with T-lock for working on "closed pipe constructions".

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Variant</th>
<th>Material thickness (mm)</th>
<th>Application</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 650</td>
<td>Berry (pink)</td>
<td>Closed</td>
<td>5</td>
<td>High-gloss polishing</td>
<td>4</td>
<td>49005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T-lock, resealable</td>
<td>5</td>
<td>High-gloss polishing</td>
<td>4</td>
<td>49005t</td>
</tr>
<tr>
<td>30 x 650</td>
<td>Sun (yellow)</td>
<td>Closed</td>
<td>5</td>
<td>Mirror-finish polishing</td>
<td>4</td>
<td>49006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T-lock, resealable</td>
<td>5</td>
<td>Mirror-finish polishing</td>
<td>4</td>
<td>49006t</td>
</tr>
</tbody>
</table>
SuperPolish Belts

Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish on stainless steel and non-ferrous metals which leaves no smears or shadows.

**NEW:** Now available as a re-closable belt with T-lock for working on “closed pipe constructions”.

**ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

**ONLY IN CONNECTION WITH A GRINDING BELT ROLLER (POLY-PTX® , PAGE 204, AND VARILEX® , PAGE 138).**

**Please Note:** Always use a separate belt for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Variant</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 650</td>
<td>Closed</td>
<td>5</td>
<td>Polishing fleece</td>
<td>5</td>
<td>49004n</td>
</tr>
<tr>
<td>30 x 650</td>
<td>T-lock, resealable</td>
<td>5</td>
<td>Polishing fleece</td>
<td>5</td>
<td>49004t</td>
</tr>
</tbody>
</table>

**Felt Belt (T-lock)**

Resealable with T-lock

First-class Merino felt belt with patented T-lock (re-closable), can be used on both sides.

For quick mirror finishing of “closed” pipe constructions and railings, from non-ferrous metals to stainless steel. Suitable for hard plastics as well.

**ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 196/198) OR CREMES (PAGE 198).**

**ONLY IN CONNECTION WITH A GRINDING BELT ROLLER (POLY-PTX®, PAGE 204, AND VARILEX®, PAGE 138).**

**Please Note:** Do not use different pastes or creams on the same felt belt.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 660</td>
<td>5</td>
<td>Merino felt</td>
<td>5</td>
<td>49004</td>
</tr>
</tbody>
</table>
Pipe grinding made easy!
BELT GRINDING

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APPLICATION OVERVIEW

**VARILEX® 1000 · VARILEX® POLISHER HT · VARILEX® POLISHER AKKU**
Belt dimensions:
- 30 x 600 mm
- 30 x 660 mm (T-lock)
Page 136/78/82

**POLY-PTX® 802 HT · POLY-PTX® AKKU HT · POLY-PTX® 800**
Belt dimensions:
- 30 x 600 mm
- 30 x 660 mm (T-lock)
Page 158/162/170

**PIPE MAX 802 HT**
Belt dimensions:
- 40 x 780 mm
Page 214

**PIPE SNIPER 802 HT**
Belt dimensions:
- 40 x 780 mm
Page 218

**GLADIUS® 1802 HT**
Belt dimensions:
- 40 x 780 mm
Page 222

**PIPE MAX HT MINI · PIPE MAX AKKU**
Belt dimensions:
- 30 x 533 mm
Page 232/236

**BAND-IT · BAND-IT AKKU**
Belt dimensions:
- 9 x 533 mm
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BELT DIMENSIONS 40 x 780 mm

Zirconium grinding belt p. 228
Trizact™ belt p. 230
BRIGHTEX® polishing belts p. 231

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BELT DIMENSIONS 30 x 533 mm

Zirconium grinding belt p. 240
Trizact™ belt p. 241
BRIGHTEX® polishing belts p. 242

SC fleece belt p. 240
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BELT DIMENSIONS 9 x 533 mm

SC fleece belt p. 250
Felt belt p. 251

High-quality corundum grinding belt p. 250
Trizact™ belt p. 251
Effective immediately, the newly developed planetary gear distributes traction across three additional gear wheels in a sophisticated arrangement. This dramatically improves durability and pulling power. Significantly improved airflow technology with turbofan, strongly enclosed rotor and field coil, and the new DUST PREVENT SYSTEM add up to a powerhouse in search of an equal.

NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

POWER TRANSMISSION WITH A PLANETARY GEAR

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.
The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

Alternative: For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).
OVERVIEW OF PRODUCT ADVANTAGES

- Extremely powerful, durable motor (1,750 W) and new HT (high torque) transmission mechanics for wear-resistant power transmission – made entirely in Germany.

- Planetary gear provides maximum torque throughout the speed range (820 to 3,000 rpm, belt speed 4-14 m/sec) with a tacho-generator for constant speed, even under load.

- Especially robust and kink-proof cable ensures long service life.

- Homogeneous, uniform grinding and polishing results for all pipe diameters, large and small.

- Patented gas pressure damping concept allows the grinding and polishing belts to fit around the pipes to maximum effect with no great effort.

- New drive roller with replaceable rubber O rings guarantees no-slip belts running.

- The contact wheel made from soft polyurethane material ensures particularly soft contact and permanent elasticity. It also allows flat surfaces to be ground longitudinally to remove spot welds and eliminate deep scratches, for instance.

- Quick, simple belt replacement.

- No more adjustments required. Ideal belt guide thanks to the lateral stainless steel flanges.

- Balanced, multi-adjustable handle allows optimum adjustment to the job in hand.

- Can be set up for right and left-handed use or for side and overhead work.

- The belt unit of gravity die-cast aluminium is particularly robust and resistant.

- Especially flexible and easy use.

Optional ball joint mount for stationary fixing on workbenches, etc. (see page 289)
This additional grip allows comfortable overhead work.

Contact wheel (D = 90 mm) of soft polyurethane material ensures particularly soft contact and constant elasticity.

Electronic slip clutch prevents kickback if the tool binds.

Balanced, multi-adjustable handle allows optimum adjustment to the job at hand.

Thumb-operated setting wheel allows infinite speed adjustment.

DUST PREVENT SYSTEM reduces dust and metal particle intake.

Especially ergonomic, balanced, rubberised shaft handle.

Combination locking or dead man’s switch function.

The drive roller with the rubber O rings ensures no-slip grinding belt drive. Worn O rings can be replaced quickly and cheaply.

Specially encapsulated field coil and rotor for maintenance-free continuous operation with 1,750 W of power.

Especially robust and kink-proof cable ensures long service life.

Belt dimensions: 40 x 780 mm

Technical data PIPE MAX 802 HT basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Belt dimensions (W x L mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>4.0-13.5</td>
<td>4.7</td>
<td>1</td>
<td>38701</td>
</tr>
<tr>
<td>CH (J)</td>
<td>Permanent</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>4.0-13.5</td>
<td>4.7</td>
<td>1</td>
<td>38701S</td>
</tr>
<tr>
<td>US (B)</td>
<td>Permanent</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>4.0-13.5</td>
<td>4.7</td>
<td>1</td>
<td>38701U</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>4.0-13.5</td>
<td>4.7</td>
<td>1</td>
<td>38701A</td>
</tr>
</tbody>
</table>

Set contents:
1 PIPE MAX 802 HT machine
1 DUST PREVENT SYSTEM
1 particulate matter protection cap
3 special zirconium belts, 40 x 780 mm
1 special SC fleece belt, 40 x 780 mm
3 replacement rubber O rings

Please Note: We urgently recommend that if you buy this machine, you also order the extremely stable carrying case (see page 285, Art. No. 50104) for the pipe grinder! (Otherwise, the machine will be delivered in a box.)

For the practical accessory set, see page 227.
PIPE SNIPER 802 HT

360° PIPE MACHINING FROM A SINGLE POSITION

Robust, balanced hand-held machine for quick pipe machining with a high-quality, milled lever system that immediately encloses 2/3 of the diameter of the pipe to be machined! This means that, for the first time, the entire pipe diameter can be ground and polished from a single working position! Very precise, stable mechanism of high-quality milled aluminium.

NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

POWER TRANSMISSION WITH A PLANETARY GEAR

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.
**DUST PREVENT SYSTEM FROM EISENBLÄTTER**

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

**Without DUST PREVENT SYSTEM:**
Coarse dust particles are taken into the ventilation grilles without any intervening protection.

**With DUST PREVENT SYSTEM:**
Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.

**Alternative:**
For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).

---

**360° PIPE MACHINING FROM A SINGLE WORKING POSITION. REVOLUTION IN PIPE MACHINING RESULTING FROM THE NEW LEVER ENCLOSURE SYSTEM!**

---

**POWER TOOLS**

---

**HighTorque**

---

**BELT GRINDING**
OVERVIEW OF PRODUCT ADVANTAGES

- Minimal force required due to the revolutionary, sophisticated enclosure system.
- The true 2/3 enclosure (for diameters of 30 to 42 mm) allows machining pipes through 360 degrees from a single position. The arms are closed by pulling a lever.
- Ideal for pipe diameters of 25-70 mm.
- Innovative technology: Gas pressure damping system reduces force required and allows pipe to be gently enclosed.
- The balanced shaft handle with non-slip rubber inserts allows the tool to be operated easily in any conceivable position.
- Extremely powerful, durable motor (1,750 W) and new HT (high torque) transmission mechanics for wear-resistant power transmission – made entirely in Germany.
- Planetary gear provides maximum torque throughout the speed range (820 to 3,000 rpm, belt speed 3-9 m/sec) with a tacho-generator for constant speed, even under load.
- New, optimised milled aluminium building components for reduced weight.
- Robust lever mechanism of high-quality milled materials for professional use and especially long service life (patented).
The true 2/3 enclosure allows machining pipes through 360 degrees from a single position.

Drive rubber rings are quick to replace.

New aluminium lever makes enclosing the pipe extremely easy with minimum force.

The balanced bar handle allows the tool to be operated easily in any conceivable position.

Thumb-operated setting wheel allows infinite speed adjustment.

Simply adjusting the clamping lever allows the return roller enclosure angle to be adjusted to various pipe diameters.

Electronic slip clutch prevents kickback if the tool binds.

Innovative technology: New gas pressure damping system reduces force required and allows pipe to be gently enclosed.

DUST PREVENT SYSTEM reduces dust and metal particle intake.

Specially encapsulated field coil and rotor for maintenance-free continuous operation with 1,750 W of power.

Especially ergonomic, balanced, rubberised shaft handle.

Combined locking or dead man’s switch function.

Especially robust and kink-proof cable ensures long service life.

**Technical data** PIPE SNIPER 802 HT basic set:

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V – Hz)</th>
<th>Power (W)</th>
<th>Belt dimensions (W x L mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>2.5-9.2</td>
<td>5.3</td>
<td>1</td>
<td>38801</td>
</tr>
<tr>
<td>CH (J)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>2.5-9.2</td>
<td>5.3</td>
<td>1</td>
<td>38801s</td>
</tr>
<tr>
<td>US (B)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>2.5-9.2</td>
<td>5.3</td>
<td>1</td>
<td>38801u</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>820-3,000</td>
<td>2.5-9.2</td>
<td>5.3</td>
<td>1</td>
<td>38801a</td>
</tr>
</tbody>
</table>

**Set contents:**
1. PIPE SNIPER 802 HT machine
2. DUST PREVENT SYSTEM
3. particulate matter protection cap
4. special zirconium belts, 40 x 780 mm
5. special SC fleece belt, 40 x 780 mm
6. replacement drive rubber rings

**Please Note:**
We urgently recommend that if you buy this machine, you also order the extremely stable carrying case (see page 285, Art. No. 50104) for the pipe grinder! (Otherwise, the machine will be delivered in a box.)

For the practical accessory set, see page 227.
NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

POWER TRANSMISSION WITH A PLANETARY GEAR

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.

UNIQUE GRINDING SWORD WITH UNIVERSAL GRINDING PROPERTIES, ATTACHABLE GUIDE SYSTEM FOR GRINDING ANGLES AND RADIU PRECISELY. THE NEW OPTIONAL BALL JOINT MOUNT MEANS THAT IT CAN BE USED AS A HAND-HELD MACHINE OR A STATIONARY MACHINE.
Now you can grind, smooth, deburr, polish, and remove rust and scales quickly with the new, easy-to-use “grinding sword”. Extra-long work area allows machining on one or both sides, even for difficult-to-reach workpieces.

Belt replacement is very simple, meaning that almost any metal, from stainless steel to non-ferrous metals and other materials, from plastic to stone to wood, can be machined quickly.

The GLADIUS® is ideally balanced and can do the work of many common stationary grinding machines without any trouble. Its versatility makes it usable in a workshop or very tight spaces.

The optional ball joint mount allows the GLADIUS® 1802 HT function as a stationary belt grinder for blade sharpening, etc.

Precise smoothing and deburring of saw parts
OVERVIEW OF PRODUCT ADVANTAGES

- For mobile and stationary use: extremely versatile, can be used for nearly any flat grinding and polishing work with the entire belt arm surface.
- Optional angle attachment for grinding work at a fixed angle, replaceable for the belt direction and the opposite direction, for such tasks as sharpening blades and tools.
- Optional table ball joint mount allows stationary use at any angle or position.
- Belt guide extension arm consists of a new, specially developed alloy for greatly reduced grinding temperatures.
- Very easy belt replacement takes only seconds: the drive roller has low-cost, replaceable rubber rings and lateral stainless steel guides.
- The drive motor’s revolutionary planetary gear makes it durable with great pulling power at 1,750 watts and 800-3,100 rpm (belt speed: 3-10 m/sec).
- It has a tacho-generator for constant speed, even under load.

Wood grooves
Grind precise flat surfaces and pipe ends

Round bar flat surface
Grinding, smoothing, and deburring in notches, penetrations, etc.
Heat-dissipating belt guide system of a special alloy

- Balanced, multi-adjustable handle allows optimum adjustment to the job at hand
- Thumb-operated setting wheel allows infinite speed adjustment
- Electronic slip clutch prevents kickback if the tool binds
- Combined locking or dead man’s switch function
- Power motor, speed infinitely adjustable, tacho-generator with 1,750 watts of power
- Thumb-operated setting wheel allows infinite speed adjustment
- DUST PREVENT SYSTEM reduces dust and metal particle intake
- Especially ergonomic, balanced, rubberised shaft handle
- Especially robust and kink-proof cable ensures long service life
- Particulate matter protection

Technical data GLADIUS® 1802 HT basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Belt dimensions (W x L mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>800-3,000</td>
<td>2.5-9.2</td>
<td>4.6</td>
<td>1</td>
<td>38901</td>
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<tr>
<td>CH (J)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>800-3,000</td>
<td>2.5-9.2</td>
<td>4.6</td>
<td>1</td>
<td>38901s</td>
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<tr>
<td>US (B)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>800-3,000</td>
<td>2.5-9.2</td>
<td>4.6</td>
<td>1</td>
<td>38901u</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>40 x 780</td>
<td>800-3,000</td>
<td>2.5-9.2</td>
<td>4.6</td>
<td>1</td>
<td>38901a</td>
</tr>
</tbody>
</table>

Set contents:
1 GLADIUS® 1802 HT machine
1 DUST PREVENT SYSTEM
1 particulate matter protection cap
4 special zirconium belts, 40 x 780 mm
3 replacement drive rubber rings

Please Note: We urgently recommend that if you buy this machine, you also order the extremely stable carrying case (see page 285, Art. No. 50104) for the pipe grinder! (Otherwise, the machine will be delivered in a box)

For the practical accessory set, see page 227.
Suitable for GLADIUS®

**Interchangeable Angular Stop With Belt Cover**

For high-precision work such as tool grinding from a wide range of angles and of a wide range of radii, sharpening and polishing of metals of any kind, right up to precise knife grinding.

The interchangeable, robust angular stop with belt cover immediately allows precise, stationary work such as sharpening tools (knives, trowels, chocks, and much more). Either belt direction, and a precise angle, can be selected. The optional ball joint table mount transforms the GLADIUS® into a perfect mini-workshop for anyone. The associated stable belt protection eliminates any risk of injury due to inadvertent contact with moving belts. The selection of a wide variety of grinding and polishing belts allows quick, precise coarse, fine grinding as well as polishing.

**Technical data:**

<table>
<thead>
<tr>
<th>Can be used with:</th>
<th>Adjustable angular stop of:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLADIUS® 1802 HT, GLADIUS® 1800</td>
<td>15-90°</td>
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<td>38902</td>
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</tbody>
</table>

Allows high-precision work such as tool grinding from a wide range of angles and of a wide range of radii, sharpening and polishing of metals of any kind, right up to precise knife grinding.
Pipe Machining Accessory Set

Belt dimensions 40 x 780 mm

The pipe machining accessory set means that the right tools are always handy. The ideal addition to your machine. Suitable for many tasks ranging from coarse and fine grinding (industrial finish) to perfect mirror finishing – all safely stowed in the stable carrying case.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse and fine grinding to a mirror finish</td>
<td>PIPE MAX, GLADIUS®, PIPE SNIPER</td>
<td>1</td>
<td>38702</td>
</tr>
</tbody>
</table>

Contents:

1 basic carry case
8 special zirconium belts
6 special SC fleece belts
6 special Trizact™ belts
4 special BRIGHTEX® Berry polishing belts
4 special BRIGHTEX® Sun polishing belts
2 BRIGHTEX® microfibre cloths
1 BRIGHTEX® Softclean Powder
1 BRIGHTEX® Berry mini pre-polishing paste
1 BRIGHTEX® Sun mini post-polishing paste
1 BRILLIANCE CLEAN 50 ml
1 Power Cleaner 50 ml
1 INOX PROTECT 50 ml

THE IDEAL ADDITION FOR THESE EISENBLÄTTER MACHINES:

PIPE MAX 802 HT p. 214
GLADIUS® 1802 HT p. 222
PIPE SNIPER 802 HT p. 218
Zirconium Grinding Belt

High-quality, flexible zirconium grinding belt with cooling agents for removing material from weld seams; eliminating deep scratches, rust, and scale; and performing coarse industrial finishing work. Prevents discolouration.

Suitable for: PIPE MAX · PIPE SNIPER · GLADIUS®

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 x 780</td>
<td>Zirconium cloth with highly active cooling agents</td>
<td>10</td>
<td>40</td>
<td>38524</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td>80</td>
<td>38528</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>38529</td>
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</tbody>
</table>
SC Fleece Belt

Technical surface conditioning fleece belt for grinding, matt finishing, satin finishing, deburring, and removing minor scratches and oxide layers on pipe constructions and railings.

Suitable for: PIPE MAX · PIPE SNIPER · GLADIUS®

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
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<tbody>
<tr>
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<td>SC nylon fleece with reinforcing fabric</td>
<td>4</td>
<td>80</td>
<td>brown</td>
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<td>180</td>
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<td></td>
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<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
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<td></td>
<td>400</td>
<td>grey</td>
<td>very fine</td>
<td>38534</td>
</tr>
</tbody>
</table>
FINISHING AND FINE GRINDING, POLISHING

BELT DIMENSIONS 40 x 780 mm

Suitable for
STEEL - STAINLESS STEEL

Trizact™ Belt

Ideal for removing scratches and pre-polishing for mirror-finish polishing

New type of abrasive cloth with pyramid-shaped grit structure. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Suitable for: PIPE MAX · PIPE SNIPER · GLADIUS®

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Material removal (like approx. K)</th>
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<tr>
<td>40 x 780</td>
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<td>A100</td>
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<td></td>
<td></td>
<td>A16</td>
<td>1200</td>
<td>80</td>
<td>38548</td>
</tr>
</tbody>
</table>

Suitable for
ALL METALS

SuperPolish Belt

Revolutionary special fleece. Used with polishing pastes and creams for a shiny mirror finish on stainless steel and non-ferrous metals which leaves no smears or shadows.

ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 253/255) OR CREAMES (PAGE 255).

Please Note: Always use a separate SuperPolish belt for each paste and cream – it is important not to mix different grit sizes.

Suitable for: PIPE MAX · PIPE SNIPER · GLADIUS®

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 x 780</td>
<td>5</td>
<td>Polishing fleece</td>
<td>4</td>
<td>38550</td>
</tr>
</tbody>
</table>
BRIGHTEX® Polishing Belts

Berry & Sun

Polishing material that is already impregnated with BRIGHTEX® polishing paste removes the time-consuming hassle of applying pastes and creams to give untreated metal a shadow-free mirror finish. For immediate use without additional pastes and creams!

FEATURES

Step 1: BRIGHTEX® Berry (pre-polishing):
• For applying a rapid high-gloss polish to all metals.
• Pre-polish and main polish in one – save on additional operations.

Step 2: BRIGHTEX® Sun (main polish):
• A mirror finish that’s almost like chrome plating – perfect finish.
• For a final high-gloss shine on polished metals.
• For removing any residual clouding and smears from all metals.
• Please Note: After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTEX® pastes.

For reconditioning high-gloss surfaces which have been polished mechanically.

Ideal for use with polishing machines and hand-held polishing tools.

For the best results, use Eisenblätter care and cleaning products for removing polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).

Completely new high-tech paste formulation for metals.

Suitable for: PIPE MAX · PIPE SNIPER · GLADIUS®

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Material thickness (mm)</th>
<th>Application</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 x 780</td>
<td>Berry (pink)</td>
<td>5</td>
<td>High-gloss polishing</td>
<td>4</td>
<td>38551</td>
</tr>
<tr>
<td>40 x 780</td>
<td>Sun (yellow)</td>
<td>5</td>
<td>Mirror-finish polishing</td>
<td>4</td>
<td>38552</td>
</tr>
</tbody>
</table>
POWER TOOLS

PIPE MAX HT MINI  NEW
THE PERFECT FINISH FOR ANY PIPE-GRINDING TASK

MULTI-PURPOSE PIPE GRINDING TOOL WITH GAS PRESSURE DAMPING, ESPECIALLY COMPACT FOR PERFECT GRINDING AND POLISHING ON CLOSED AND OPEN PIPE CONSTRUCTIONS. FROM SMALL TO LARGE PIPE DIAMETERS.

NEW 1,750-WATT MOTOR – EVEN MORE POWER
A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.

POWER TRANSMISSION WITH A PLANETARY GEAR
A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.

PIPE MAX CAN BE DELIVERED AS A BATTERY-POWERED TOOL!
See pages 236–237
DUST PREVENT SYSTEM FROM EISENBLÄTTER

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.

Without DUST PREVENT SYSTEM:
Coarse dust particles are taken into the ventilation grilles without any intervening protection.

With DUST PREVENT SYSTEM:
Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.

Alternative:
For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).
OVERVIEW OF PRODUCT ADVANTAGES

• The pipe grinding machine, which is easy to use, manageable, and well-balanced, has a new gas pressure damping system. Delivers clean, homogeneous grinding results.

• Automatically adapts to all round and curved surfaces, pipes, etc.

• Belt can be replaced in seconds, extremely versatile, grinds and polishes all metals, depending on belt selection and accessories.

• Extremely powerful, durable drive motor with 1,750 watts of power and new type of planetary gear for wear-resistant power transmission. The belt unit of die-cast aluminium is particularly robust and resistant.

• Planetary gear provides maximum torque throughout the speed range (820 to 3,000 rpm, belt speed 3-9.5 m/sec) with a tacho-generator for constant speed, even under load.

• Drive roller with a lateral stainless steel frame and replaceable rubber drive rings for unlimited tool use.

• Contact wheel of soft polyurethane material, can also be used to remove weld seams, spot welds, and scratches during the linear grinding finish process (facilitates further satin finishing).

• Vibration-damping handle can be adjusted to five positions and used by right- and left-handers.

• 100% made in Germany.

Optional ball joint mount for stationary fixing on workbenches, etc. (see page 289)
**Technical data** PIPE MAX HT MINI basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V – Hz)</th>
<th>Power (W)</th>
<th>Belt dimensions (W x L mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Plug unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>30 x 533</td>
<td>820-3,000</td>
<td>3.0-9.5</td>
<td>3.9</td>
<td>1</td>
<td>38031</td>
</tr>
<tr>
<td>CH (J)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>30 x 533</td>
<td>820-3,000</td>
<td>3.0-9.5</td>
<td>3.9</td>
<td>1</td>
<td>38031s</td>
</tr>
<tr>
<td>US (B)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>30 x 533</td>
<td>820-3,000</td>
<td>3.0-9.5</td>
<td>3.9</td>
<td>1</td>
<td>38031u</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110-120 – 50-60</td>
<td>1,750</td>
<td>30 x 533</td>
<td>820-3,000</td>
<td>3.0-9.5</td>
<td>3.9</td>
<td>1</td>
<td>38031a</td>
</tr>
</tbody>
</table>

**Set contents:**
1. PIPE MAX MINI HT machine
2. DUST PREVENT SYSTEM
3. particulate matter protection cap
4. special zirconium belts, 30 x 533 mm
5. replacement rubber O rings

**Please Note:** We urgently recommend that if you buy this machine, you also order the extremely stable carrying case (see page 285, Art. No. 50104) for the pipe grinder! (Otherwise, the machine will be delivered in a box)

For the practical accessory set, see page 239.
POWER TOOLS

PIPE MAX AKKU

THE IDEAL CORDLESS PIPE BELT GRINDER WITH THE POWER OF A PLUG-IN MACHINE. PERFECT FOR CONSTRUCTION SITES, SHIPYARDS (FOR RAILING WORK, FOR EXAMPLE), BALUSTRADE AND HAND-RAIL PRODUCTION, AND MUCH MORE!

OVERVIEW OF PRODUCT ADVANTAGES

• Homogeneous, uniform grinding and polishing results for all pipe diameters, large and small.
• Planetary gear delivers maximum torque.
• Patented gas pressure damping concept allows the grinding and polishing belts to fit around the pipes to maximum effect with no great effort.
• New drive roller with replaceable rubber O rings guarantees no-slip belts running.
• Ideal belt guide thanks to the lateral stainless steel flanges. No more adjustments required.
• Quick, simple belt replacement.

• Available for the first time with planetary gear, giving it the power of a plug-in machine of ~1,600 watts.
• The contact wheel made from soft polyurethane material ensures particularly soft contact and permanent elasticity. It also allows flat surfaces to be ground longitudinally to remove spot welds and eliminate deep scratches, for instance.
• Balanced, multi-adjustable handle allows optimum adjustment to the job in hand.
• Can be set up for right and left-handed use or for side and overhead work.
• The belt unit of gravity die-cast aluminium is particularly robust and resistant.
**Technical data** **PIPE MAX AKKU basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (V)</th>
<th>Belt dimensions (mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>18</td>
<td>30 x 533</td>
<td>1,600</td>
<td>5.3</td>
<td>3.24</td>
<td>1</td>
<td>38041</td>
</tr>
</tbody>
</table>

**Set contents:**
1. PIPE MAX AKKU machine
2. Robust, impact-resistant plastic case for machine and accessories
3. Particulate matter protection battery
4. LIHD batteries (5.5 Ah)
5. High-speed charging device including cable
6. Special zirconium belts, 30 x 533 mm
7. Replacement rubber O rings

**Please Note:**
For the practical accessory set, see page 239.
**High-speed Charging Device**

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

**FEATURES**

- **Patented “AIR COOLED” charging technology:** Batteries are cooled during charging for a much shorter charging time.
- **High charging current ensures that the battery packs are charged quickly.**
- **Very low stand-by power consumption.**
- **Maximum charging current: 6.5 A.**
- **Process-controlled charge management** for gentle charging and the greatest possible number of charging cycles.
- **One charger for charging all battery packs from our CAS partner:** [www.cordless-alliance-system.de](http://www.cordless-alliance-system.de)

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>6.5</td>
<td>1</td>
<td>50474</td>
</tr>
</tbody>
</table>

**NEW**

**5.5/8.0 Ah Battery**

18 volts, LiHD technology

Powerful high-tech 18-volt battery (LiHD) for all battery-powered tools in the CAS group.

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Power (V)</th>
<th>Battery capacity (Ah)</th>
<th>Suitable for</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 Ah CAS battery</td>
<td>18</td>
<td>5.5</td>
<td>CAS devices</td>
<td>0.89</td>
<td>1</td>
<td>50463</td>
</tr>
<tr>
<td>8.0 Ah CAS battery</td>
<td>18</td>
<td>8.0</td>
<td>CAS devices</td>
<td>0.98</td>
<td>1</td>
<td>50473</td>
</tr>
</tbody>
</table>
The pipe machining accessory set means that the right tools are always handy. Suitable for many tasks ranging from coarse and fine grinding (industrial finish) to perfect mirror finishing – all safely stowed in the stable carrying case.

**Technical data:**

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse and fine grinding to a mirror finish</td>
<td>PIPE MAX HT MINI, PIPE MAX AKKU</td>
<td>1</td>
<td>38032</td>
</tr>
</tbody>
</table>

**Contents:**

- 1 basic carry case
- 8 special grinding belts
- 6 special SC fleece belts
- 6 special Trizact™ belts
- 4 special BRIGHTEX® Berry polishing belts
- 4 special BRIGHTEX® Sun polishing belts
- 2 BRIGHTEX® microfibre cloths
- 1 BRIGHTEX® Softclean Powder
- 1 BRIGHTEX® Berry mini pre-polishing paste
- 1 BRIGHTEX® Sun mini post-polishing paste
- 1 BRILLIANCE CLEAN 50 ml
- 1 Power Cleaner 50 ml
- 1 INOX PROTECT 50 ml

**The ideal addition for these Eisenblätter machines:**

PIPE MAX HT MINI p. 232  
PIPE MAX AKKU p. 236
Zirconium Grinding Belt

High-quality zirconium grinding belt for removing material from weld seams; eliminating deep scratches, rust, and scale; and performing coarse industrial finishing work. Prevents discolouration.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 533</td>
<td>Zirconium cloth with highly active cooling agents</td>
<td>10</td>
<td>40</td>
<td>38074</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>38076</td>
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<td>38078</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>38079</td>
</tr>
</tbody>
</table>

SC Fleece Belt

Technical surface conditioning fleece belt for grinding, matt finishing, satin finishing, deburring, and removing minor scratches and oxide layers on pipe constructions and railings.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 533</td>
<td>SC nylon fleece with reinforcing fabric</td>
<td>4</td>
<td>80</td>
<td>brown</td>
<td>coarse</td>
<td>38081</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>red</td>
<td>medium</td>
<td>38082</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>38083</td>
</tr>
</tbody>
</table>
Trizact™ Belt

Ideal for removing scratches and pre-polishing for mirror-finish polishing

New type of abrasive cloth with pyramid-shaped grit structure. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Material removal (like approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 533</td>
<td>10</td>
<td>A100</td>
<td>220</td>
<td>36</td>
<td>38085</td>
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<tr>
<td></td>
<td></td>
<td>A65</td>
<td>280</td>
<td>40</td>
<td>38086</td>
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<td></td>
<td>A45</td>
<td>400</td>
<td>50</td>
<td>38087</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>A16</td>
<td>1200</td>
<td>80</td>
<td>38089</td>
</tr>
</tbody>
</table>
**BRIGHTEX® Polishing Belts**

Berry & Sun

Polishing material that is already impregnated with **BRIGHTEX® polishing paste** removes the time-consuming hassle of applying pastes and creams to give untreated metal a **shadow-free mirror finish**.

**For immediate use** without additional pastes and creams!

**FEATURES**

**Step 1: BRIGHTEX® Berry (pre-polishing):**
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional operations.

**Step 2: BRIGHTEX® Sun (main polish):**
- A mirror finish that’s almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

**Please Note:**
After changing pastes, always remove the polish residue from the workpiece! As necessary, the backing can be rewetted with BRIGHTEX® pastes.

**For reconditioning high-gloss surfaces which have been polished mechanically.**

**Ideal for use with Eisenblätter pipe belt grinding machines.**

**For the best results, use Eisenblätter care and cleaning products** for removing polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).

**Completely new high-tech paste formulation for metals.**

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Version</th>
<th>Material thickness (mm)</th>
<th>Application</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 533</td>
<td>Berry (pink)</td>
<td>5</td>
<td>High-gloss polishing</td>
<td>4</td>
<td>38091</td>
</tr>
<tr>
<td>30 x 533</td>
<td>Sun (yellow)</td>
<td>5</td>
<td>Mirror-finish polishing</td>
<td>4</td>
<td>38092</td>
</tr>
</tbody>
</table>
SuperPolish Belt

**Revolutionary special fleece.** Used with polishing pastes and creams for a **shiny mirror finish** on stainless steel and non-ferrous metals which leaves **no smears or shadows**.

**ONLY IN CONNECTION WITH POLISHING PASTES (SEE PAGES 253/255) OR CREAMES (PAGE 255).**

**Please Note:** Always use a separate SuperPolish belt for each paste and cream – it is important not to mix different grit sizes.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 533</td>
<td>5</td>
<td>Polishing fleece</td>
<td>4</td>
<td>38090</td>
</tr>
</tbody>
</table>
EISENBLÄTTER introduces the newly developed, especially compact, powerful, high-quality flat filing machine equipped with a new damping system. A dust-protected, enclosed gas pressure damping system ensures quick belt tension and especially easy belt replacement.

OVERVIEW OF PRODUCT ADVANTAGES

• The slim, compact design is ideal for work even in tight spots – edges, grooves, corners, etc. Especially interesting for work in building railings, equipment, and tools and in metal construction generally.

• For grinding and polishing belts between 5 and 9 mm width. Belt replacement in seconds. Quick-change brass contact wheel with high-quality needle bearings, and rubberised running surfaces.

• Grinding and polishing belts are automatically guided and adjusted. A knurled screw allows pretension to be locked firmly for greater contact pressure and extremely precise work.

• Balanced, powerful machine, 900 watts, variable-speed, 1,900-7,900 rpm. Dust-proof gas pressure damping system provides elasticity. For mobile or stationary use e.g. with a ball joint table mount.

• 100% made in Germany.
The slim, compact grinding arm allows simple use even in tight spots.

Quick-change contact wheel of no-wear brass, high-quality needle bearings, and rubberised running surfaces (included in the set).

Electronic slip clutch prevents kickback if the tool binds.

Drive roller of 100% brass with quick-change drive rubber.

Slim, powerful 900 W motor, 1,900-7,900 rpm, variable-speed.

Especially robust and kink-proof cable ensures long service life.

The multi-adjustable handle allows work from any position.

Slim, ergonomic handle for reducing the strain on the user.

Dust-protected, enclosed gas pressure damping system for quick belt tension and especially easy belt replacement - replaceable.

Optional ball joint mount for stationary fixing on workbenches, etc. (see page 289).

Belt dimensions: 3/5/9 x 533 mm

Technical data Band-It basic set

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V – Hz)</th>
<th>Power (W)</th>
<th>Belt dimensions (mm)</th>
<th>Speed (rpm)</th>
<th>Belt speed (m/sec)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 - 50-60</td>
<td>900</td>
<td>5/9 x 533</td>
<td>1,900-7,900</td>
<td>3-12</td>
<td>3.9</td>
<td>1</td>
<td>38061</td>
</tr>
</tbody>
</table>

Set contents:
1 Band-It machine
1 robust, impact-resistant plastic case for the machine and accessories
1 interchangeable roller for 9 x 533 mm fleece and polishing belts
8 grinding belts 9 x 533 mm
1 interchangeable roller for 5 x 533 mm grinding belts

Please Note: For the practical accessory set, see page 249.
OVERVIEW OF PRODUCT ADVANTAGES

• The **slim, compact design** is ideal for **work even in tight spots** – edges, grooves, corners, etc. Especially interesting for work in building railings, equipment, and tools and in metal construction generally.

• For **grinding and polishing belts** between 5 and 9 mm width. Belt replacement in seconds. Quick-change **brass contact wheel** with high-quality needle bearings, and rubberised running surfaces.

• **Grinding and polishing belts** are **automatically guided and adjusted**. A knurled screw allows pretension to be locked firmly for greater contact pressure and extremely precise work.

• **High-performance battery-powered motor with 18-volt LiHD technology**, as powerful as plug-in devices. **5.5 Ah of battery power** (two batteries in the basic set). **Option** of adding **8.0 Ah batteries** or a **high-speed charger**.

• **Dust-proof gas pressure damping system** provides elasticity. For mobile or **stationary use** e.g. with a **ball joint table mount**.

• **100% made in Germany**.
EISENBLÄTTER introduces the newly developed, especially compact, powerful, high-quality flat filing machine equipped with a new damping system – with all the properties and power of plug-in machines. The sturdy LiHD-battery-powered motor makes it possible.

Technical data **BAND-IT AKKU basic set**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (V)</th>
<th>Belt dimensions (mm)</th>
<th>Belt speed (m/sec)</th>
<th>Speed (rpm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent</td>
<td>220-240 – 50-60</td>
<td>18</td>
<td>5/9 x 533</td>
<td>8.75</td>
<td>5,600</td>
<td>2.2</td>
<td>1</td>
<td>38101</td>
</tr>
</tbody>
</table>

**Set contents:**
1. BAND-IT AKKU machine
2. robust, impact-resistant plastic case for machine and accessories
3. particulate matter protection battery
4. LiHD batteries (5.5 Ah)
5. high-speed charging device including cable
6. interchangeable roller for 9 x 533 mm fleece and polishing belts
7. interchangeable roller for 5 x 533 mm grinding belts
8. grinding belts 9 x 533 mm

**Please Note:**
For the practical accessory set, see page 249.
High-speed Charging Device

For quick charging of all sliding-fit Li-ion and LiHD battery packs from 14.4 to 36 volts.

**FEATURES**

- **Patented “AIR COOLED” charging technology:** Batteries are cooled during charging for a much shorter charging time.
- **High charging current ensures that the battery packs are charged quickly.**
- **Very low stand-by power consumption.**
- **Maximum charging current: 6.5 A.**
- **Process-controlled charge management** for gentle charging and the greatest possible number of charging cycles.
- One charger for charging all battery packs from our CAS partner: [www.cordless-alliance-system.de](http://www.cordless-alliance-system.de)

**Technical data:**

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Maximum charging current (A)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>Permanent connection</td>
<td>220-240 – 50-60</td>
<td>6.5</td>
<td>1</td>
<td>50474</td>
</tr>
</tbody>
</table>

**NEW**

5.5/8.0 Ah Battery

18 volts, LiHD technology

Powerful high-tech 18-volt battery (LiHD) for all battery-powered tools in the CAS group.

**Technical data:**

<table>
<thead>
<tr>
<th>Article</th>
<th>Power (V)</th>
<th>Battery capacity (Ah)</th>
<th>Suitable for</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 Ah CAS battery</td>
<td>18</td>
<td>5.5</td>
<td>CAS devices</td>
<td>0.89</td>
<td>1</td>
<td>50463</td>
</tr>
<tr>
<td>8.0 Ah CAS battery</td>
<td>18</td>
<td>8.0</td>
<td>CAS devices</td>
<td>0.98</td>
<td>1</td>
<td>50473</td>
</tr>
</tbody>
</table>
BAND-IT Accessory Set

The ideal addition to your BAND-IT belt filer

The Band-It accessory set accessory set means that the right tools are always handy. The ideal addition to your machine. Suitable for many tasks ranging from coarse and fine grinding (industrial finish) to perfect mirror finishing – all safely stowed in the stable carrying case.

Technical data:

<table>
<thead>
<tr>
<th>Function</th>
<th>Can be used with:</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse and fine grinding to a mirror finish</td>
<td>BAND-IT, BAND-IT AKKU</td>
<td>1</td>
<td>38062</td>
</tr>
</tbody>
</table>

Contents:

1 mobile tool case
40 narrow high-quality corundum belts (9 x 533 mm)
20 narrow high-quality corundum belts (5 x 533 mm)
6 narrow SC fleece belts (9 x 533 mm)
6 narrow Trizact™ belts (9 x 533 mm)
6 narrow felt belts (9 x 533 mm)

2 BRIGHTEX® microfibre cloths
1 BRIGHTEX® Softclean Powder
1 BRIGHTEX® Berry mini pre-polishing paste
1 BRIGHTEX® Sun mini post-polishing paste
1 BRILLIANCE CLEAN 50 ml
1 Power Cleaner 50 ml
1 INOX PROTECT 50 ml

THE IDEAL ADDITION FOR THESE EISENBLÄTTER MACHINES:

BAND-IT p. 244

BAND-IT AKKU p. 246
High-quality Corundum Grinding Belt

Elastically flexed high-quality corundum grinding belt for a variety of grinding work, such as coarse grinding, pre-grinding, smoothing, and removal of scale and rust, even on tight radii.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 x 533</td>
<td>High-quality corundum cloth</td>
<td>10</td>
<td>40</td>
<td>49024</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>49026</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>49028</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>49029</td>
</tr>
<tr>
<td>5 x 533</td>
<td>High-quality corundum cloth</td>
<td>10</td>
<td>40</td>
<td>49504</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>49506</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>49508</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>49509</td>
</tr>
</tbody>
</table>

SC Fleece Belt

Technical surface conditioning fleece belt for grinding, matt finishing, satin finishing, deburring, and removing minor scratches and oxide layers.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Colour (fleece)</th>
<th>Grit (fleece)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 x 533</td>
<td>SC nylon fleece with reinforcing fabric</td>
<td>10</td>
<td>180</td>
<td>red</td>
<td>medium</td>
<td>49011s</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>blue</td>
<td>fine</td>
<td>49012s</td>
</tr>
</tbody>
</table>
Trizact™ Belt

Ideal for removing scratches and pre-polishing for mirror-finish polishing

New type of abrasive cloth with pyramid-shaped grit structure. Saves on several operating steps and has high material removal with very fine results while removing scratches and spot welds. Ideal pre-polishing for subsequent mirror-finish polishing. Leaves very minor surface roughness.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Grit (Trizact™)</th>
<th>Grit (K)</th>
<th>Material removal (like approx. K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 x 533</td>
<td>A100 220</td>
<td>36</td>
<td>49034</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A65 280</td>
<td>40</td>
<td>49035</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A45 400</td>
<td>50</td>
<td>49036</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A30 600</td>
<td>60</td>
<td>49037</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A16 1200</td>
<td>80</td>
<td>49038</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A06 2000</td>
<td>120</td>
<td>49039</td>
<td></td>
</tr>
</tbody>
</table>

Suitable for

STEEL · STAINLESS STEEL

Felt Belt

Closed Merino felt belts for tasks from main polishing to mirror finishing of stainless steel and non-ferrous metals. Suitable for hard plastics as well. Please Note: Do not use different pastes or creams on the same felt belt.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 x 533</td>
<td>5</td>
<td>Merino felt</td>
<td>10</td>
<td>49015</td>
</tr>
</tbody>
</table>
Adjusts perfectly to interior fillet welds.
BRIGHTEX® High-performance Polishing Pastes

The fastest way to a mirror finish

For the first time, the pre-polishing and main polishing steps can be completed with just one paste (BRIGHTEX® Berry)! This has been made possible by a completely new formulation. For instance, stainless steel can be polished to a mirror finish in only a few moments. This saves several working steps. The yellow BRIGHTEX® Sun paste creates an even brighter high gloss shine – almost as if it’s chrome plated. Both pastes can be used on SuperPolish discs and belts and on felt discs, belts, and sleeves. The pastes are applied to the polishing disc, belt, or sleeve while it is running at a low speed so that it is completely covered. This process can be repeated several times. The pastes can also be used for the new BRIGHTEX® polishing system (pre-impregnated polishing discs, belts, and sleeves) to “top up” the polishing fleeces as required.

FEATURES

Step 1: BRIGHTEX® Berry (pre-polishing):
- For applying a rapid high-gloss polish to all metals.
- Pre-polish and main polish in one – save on additional working steps.

Step 2: BRIGHTEX® Sun (main polish):
- A mirror finish that’s almost like chrome plating – perfect finish.
- For a final high-gloss shine on polished metals.
- For removing any residual clouding and smears from all metals.

Please Note:
After changing pastes, always remove the polish residue from the workpiece!

- For reconditioning high-gloss surfaces which have been polished mechanically.
- For use with felt, cotton, fleece discs, wheels, sleeves, belts, etc.
- Ideal for use with polishing machines and hand-held polishing tools (POLY-PTX®).
- For the best results, use Eisenblätter care and cleaning products to remove polish residues (BRIGHTEX® Softclean Powder, Power Cleaner).
- Completely new high-tech paste formulation for metals.

Technical data:

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Application</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRIGHTEX® Berry pre- and main polish (pink)</td>
<td>about 1,100</td>
<td>High-gloss polishing</td>
<td>1</td>
<td>40025</td>
</tr>
<tr>
<td>BRIGHTEX® Berry mini paste (pink)</td>
<td>about 140</td>
<td>High-gloss polishing</td>
<td>1</td>
<td>40025m</td>
</tr>
<tr>
<td>BRIGHTEX® Sun post-polishing paste (yellow)</td>
<td>about 1,300</td>
<td>Mirror-finish polishing</td>
<td>1</td>
<td>40026</td>
</tr>
<tr>
<td>BRIGHTEX® Sun mini paste (yellow)</td>
<td>about 140</td>
<td>Mirror-finish polishing</td>
<td>1</td>
<td>40026m</td>
</tr>
</tbody>
</table>
Suitable for

ALL METALS

BRIGHTEX®
Softclean Powder

A new, much improved cleaning powder removes all cream and paste residue after every polish, giving all metals a polished, completely scratch-free shine.
Simply apply a little using the shaker, as you would powdered sugar, and wipe it off with a clean microfibre cloth without applying any pressure. The powder consists of ultra-fine micro-particles with a large surface area for the best possible absorbency.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents (g)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resealable bag</td>
<td>about 1,000</td>
<td>1</td>
<td>40028</td>
</tr>
<tr>
<td>Aluminium shaker</td>
<td>about 200</td>
<td>1</td>
<td>40029</td>
</tr>
</tbody>
</table>

Suitable for

ALL MATERIALS

BRIGHTEX®
Microfibre Cloths

Much improved, ultra-soft microfibre cloth, free of seams for completely scratch-free cleaning of stainless steel surfaces and other decorative metals. Particularly soft and absorbent. Can be washed repeatedly.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Quality</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 x 400</td>
<td>360 g/m²</td>
<td>5</td>
<td>40031</td>
</tr>
</tbody>
</table>
Suitable for

**ALL METALS**

### Power Cleaner
Universal cleaner in its most environmentally-friendly form

Clean and preserve – especially for the removal of grease-based polish residue (BRIGHTEX® pastes).

**YOU CAN FIND MORE DETAILS ON PAGE 276.**

#### Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40057</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40055</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40056</td>
</tr>
</tbody>
</table>

Suitable for

**ALL METALS**

### Polishing Pastes (Classic)
Mirror-finish polishing for all metals (including aluminium).

**White for pre-polishing, blue for final polish.**

#### Technical data:

<table>
<thead>
<tr>
<th>Paste</th>
<th>Contents (g)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-polishing paste (white)</td>
<td>about 650</td>
<td>1</td>
<td>40013</td>
</tr>
<tr>
<td>Polishing paste (blue)</td>
<td>about 650</td>
<td>1</td>
<td>40014</td>
</tr>
<tr>
<td>White and blue mini paste</td>
<td>approx. 120 (60 each)</td>
<td>1</td>
<td>40009</td>
</tr>
</tbody>
</table>

Suitable for

**ALL METALS**

### Pink Polishing Cream
For final polishing, with Classic polishing pastes, for example, it produces a flawless mirror finish on all metals when applied with SuperPolish, felt, and polishing rings. Brings a quick shine – also suitable for manual application with polishing cloths. Ideal for moulded parts as well.

#### Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can</td>
<td>about 1,000 g</td>
<td>1</td>
<td>40015</td>
</tr>
<tr>
<td>Mini-tube</td>
<td>approx. 60 ml</td>
<td>1</td>
<td>40015t</td>
</tr>
</tbody>
</table>
If you can't stand sharp burrs!
# DEBURRING AND BEVELLING

<table>
<thead>
<tr>
<th>POWER TOOLS</th>
<th>STATIONARY MACHINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROLEI EF 115</td>
<td>ROLEI EF 165</td>
</tr>
<tr>
<td>ROLEI EF 115 accessories</td>
<td>ROLEI EF 165 accessories</td>
</tr>
<tr>
<td>ROLEI deburring system</td>
<td>ROLEI special flap discs</td>
</tr>
<tr>
<td></td>
<td>ROLEI PEF 500</td>
</tr>
<tr>
<td></td>
<td>ROLEI PEF 500 accessories</td>
</tr>
<tr>
<td></td>
<td>ROLEI special flap discs</td>
</tr>
<tr>
<td></td>
<td>ROLEI BE 5 sheet metal deburring machine</td>
</tr>
<tr>
<td></td>
<td>ROLEI BE 5 accessories</td>
</tr>
<tr>
<td></td>
<td>ROLEI BE 5 flap wheel</td>
</tr>
</tbody>
</table>

### EISENBLÄTTER DEMO CENTER

- 273
ROLEI EF 115
Manual deburring and bevelling tool

The practical deburring tool for cumbersome, large, heavy components such as machine tables, frame constructions, and large metal panels. Easy to handle with good edge control. The ROLEI EF 115 is also ideal for weld chamfering. Fixed bevel angle of 45°; bevel width can be infinitely adjusted from 0 to 10 mm. Now with a rubberised handle for excellent control! The handy ROLEI EF 115 can easily deburr and bevel large, heavy components. Precision edge guidance guarantees chamfers at 45° with no counter-burr.

FEATURES

- Extremely powerful motor for continuous use.
- Particularly sturdy, wear-resistant, solid cast iron parts.
- Quick adjustment of bevel width.
- Balanced handle reduces strain on the user.

- Quick, uncomplicated disc change.
- Various tool grit grades (coarse to fine) can be delivered.
- Ideal for chamfering welds. Also suitable for wide weld bevels.
### Technical data ROLEI EF 115 machine

<table>
<thead>
<tr>
<th>Plug type</th>
<th>Cable type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Speed (rpm)</th>
<th>Bevel angle</th>
<th>Bevel width (mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>QUICK-LOCK</td>
<td>220-240 – 50-60</td>
<td>1,750</td>
<td>2,000-7,600</td>
<td>45˚</td>
<td>0-10</td>
<td>4.1</td>
<td>1</td>
<td>30115</td>
</tr>
<tr>
<td>UK (G)</td>
<td>Permanent connection</td>
<td>110 – 50-60</td>
<td>1,600</td>
<td>2,000-7,600</td>
<td>45˚</td>
<td>0-10</td>
<td>4.1</td>
<td>1</td>
<td>30116</td>
</tr>
</tbody>
</table>

**Delivery scope:** 1 ROLEI EF 115 machine, 1 case, 1 QUICK-LOCK cable (4 m), 1 flap disc

- **Easy speed control during operation:** tacho-generator for constant speed, even under load
- **Maintenance cover:** for quick carbon brush change
- **QUICK-LOCK cable release:** for quick, easy change
- **Ergonomically positioned, locking ON/OFF switch**
- **Dust-proof field coil with special coating**
- **Optional particulate matter protection clips** see pages 37 and 174
- **Heavy-duty, sturdy cast structure for professional use**
- **Only from Eisenblätter:** Rubberised handle for optimum, non-slip handling
- **Fixed bevel angle of 45˚:** bevel width can be infinitely adjusted from 0 to 10 mm
- **Handle for optimal tool guidance**
POWER TOOLS

QUICK-LOCK Cable
Suitable for VARILEX® WSF 900, 1600 & 1800, POLY-PTX® 300, 500 & 800, ROLEI EF 115, PIPE MAX, PIPE SNIPER, and GLADIUS® 1800.

Technical data:

<table>
<thead>
<tr>
<th>Version</th>
<th>Cable length (m)</th>
<th>Voltage (V)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU (C+F)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3</td>
</tr>
<tr>
<td>EU (C+F)</td>
<td>10</td>
<td>220-240</td>
<td>1</td>
<td>52005-3</td>
</tr>
<tr>
<td>CH (J)</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3s</td>
</tr>
<tr>
<td>AU</td>
<td>4</td>
<td>220-240</td>
<td>1</td>
<td>52004-3a</td>
</tr>
<tr>
<td>UK (G)</td>
<td>4</td>
<td>110</td>
<td>1</td>
<td>52004-3e</td>
</tr>
<tr>
<td>US (B)</td>
<td>4</td>
<td>120</td>
<td>1</td>
<td>52004-3u</td>
</tr>
<tr>
<td>Plug adapter – EU to UK</td>
<td>4</td>
<td></td>
<td>1</td>
<td>52004d</td>
</tr>
</tbody>
</table>

Suitable for
ROLEI EF 115

Plastic Replacement Guide Rails
Replacement guide rails for fitting to the ROLEI EF 115 (1 pack = 1 pair)

Technical data:

<table>
<thead>
<tr>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30117</td>
</tr>
</tbody>
</table>

Suitable for
VARILEX® WSF 1800 · POLY-PTX® 800 · ROLEI EF 115

Particulate Matter Protection Clips
Greatly reduces the risk of an electronic short circuit due to metal dust
The new dust protection clips prevent dust and contamination particles from entering the machine’s interior and thus increase its service life.

YOU CAN FIND MORE DETAILS ON PAGE 37 AND 174.

Suitable for
STEEL · STAINLESS STEEL · CAST IRON · NON-FERROUS METALS · ALUMINIUM

ZIRCOTEX® Nylon Flat
Hard compressed zirconium flap disc.
Replacement disc for ROLEI EF 115.

YOU CAN FIND MORE DETAILS ON PAGE 70.
Basic principle of the ROLEI deburring system

Grinding instead of milling saves a considerable amount of time and tool costs. Perfect cross-grinding in one operation guarantees edges with no counter-burr or chatter marks. All metals, including stainless steel, can be worked with this flexible deburring tool.

ROLEI deburring and bevelling machines work with flat flap discs (the BE 5 sheet metal deburring machine with flap wheels). The grinding tools are “self-sharpening” and have an extremely long service life.

The machines are easy and safe to operate and the grinding tools can be changed quickly and easily.
ROLEI EF 165
for bevels of 45°

Bevelling and deburring machine with fixed bevel angle and infinitely adjustable bevel width for all metals from stainless steel to aluminium. A hand wheel provides infinite, precise bevel width setting. Eisenblätter was awarded the Bavarian State Prize for its deburring machine at the Internationale Handwerksmesse show in Munich.

FEATURES

- Simple, safe operation.
- Low-cost replacement grinding disc with an extremely long service life (one disc can often be used for months).
- Bevelling of workpieces of 2.5 mm or more in thickness.
- Suction flange for industrial extractors supplied as standard (internal diameter 35 mm).
- Winner of the Bavarian State Prize.
## Technical data ROLEI EF 165 machine

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Plug type</th>
<th>Mains connection (V – Hz)</th>
<th>Speed (rpm)</th>
<th>Bevel angle</th>
<th>Bevel width (mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>360 x 320 x 300</td>
<td>3-phase</td>
<td>380 – 50</td>
<td>2,800</td>
<td>45˚</td>
<td>0-10</td>
<td>18</td>
<td>1</td>
<td>30100</td>
</tr>
<tr>
<td>360 x 320 x 300</td>
<td>EU (C+F)</td>
<td>220-240 – 50-60</td>
<td>2,800</td>
<td>45˚</td>
<td>0-10</td>
<td>18</td>
<td>1</td>
<td>30101</td>
</tr>
</tbody>
</table>

Delivery scope: ROLEI EF 165 machine, 1 ROLEI special flap disc

- **Improved:** Suction flange as standard
- No-wear, hardened guide rail
- The abrasive can also be adjusted during operation without tools
- Powerful 380 volt motor (optional 220 V)
- Clamp for attaching/changing the support table
- Very sturdy support table made from top quality gliding steel
- Fixing the bevel width
- Fine-thread setting screw for exact adjustment of bevel width
**ROLEI EF 165 Machine Stand**

Sturdy steel machine stand including fixing bolts with black powder coating for working comfortably in a standing position.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (L x W x H) (mm)</th>
<th>Weight (kg)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>245 x 215 x 660</td>
<td>about 20</td>
<td>1</td>
<td>30120</td>
</tr>
</tbody>
</table>

Other dimensions available on request.

---

**ROLEI EF 165**

**Extended Support Table**

Made from gliding steel (1.2842).

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (L x W x H) (mm)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 x 700</td>
<td>1</td>
<td>30110</td>
</tr>
</tbody>
</table>

Other dimensions available on request.
ROLEI Special Flap Disc

The flap disc with especially hard compression for deburring machines. Self-sharpening with an extremely long service life!

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Suitable for</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 x 22</td>
<td>ROLEI EF 165, ROLEI PEF 500</td>
<td>1</td>
<td>50</td>
<td>36050</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>36060</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>36080</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>36120</td>
</tr>
</tbody>
</table>

CHOOSE THE RIGHT GRIT/DISC:

Stainless steel, steel .... 50 grit/60 grit
Aluminium, copper, brass ... 80 grit/120 grit
Hard plastic ................. 120 grit

ROLEI HellFire® Special Flap Disc

Ceramic hybrid disc with hard compression for particularly high rate of metal removal in one operation. Suitable for larger bevel widths due to high disc aggressivity. Coarse to medium application; grinds all metals from steel to stainless steel to titanium to non-ferrous metals.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Suitable for</th>
<th>Packaging unit</th>
<th>Grit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 x 22</td>
<td>ROLEI EF 165, ROLEI PEF 500</td>
<td>1</td>
<td>Multigrain 40/60</td>
<td>36046</td>
</tr>
</tbody>
</table>

CHOOSE THE RIGHT GRIT/DISC:

All metals ................. Multigrain 40/60
ROLEI PEF 500
for facets of 30° – 45° – 60°

Very sturdy, highly precise deburring and beveling tool for all metals from stainless steel to aluminium. Bevel angle can be set and bevel width is infinitely adjustable (precision setting by means of knurled division). The bevel width can be adjusted precisely using a hand wheel. Parts are bevelled in perfect cross-hatched grinding with absolutely no counter-burr. Disc wear is adjusted with a hand wheel via a threaded spindle. The bevel angle is adjusted using a motorised system on the angled guide.

FEATURES

- Simple, safe operation.
- Low-cost replacement grinding disc with an extremely long service life (one disc can often be used for months).
- Suction flange for industrial extractors supplied as standard (internal diameter 35 mm).
- Bevelling of workpieces of 2.5 mm or more in thickness.
**Technical data ROLEI PEF 500 machine**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Plug type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Speed (rpm)</th>
<th>Bevel angle</th>
<th>Bevel width (mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 x 350 x 350</td>
<td>3-phase</td>
<td>380 ~ 50</td>
<td>2,800</td>
<td>30° – 45° – 60°</td>
<td>0-10</td>
<td>45</td>
<td>1</td>
<td>30200</td>
</tr>
<tr>
<td>500 x 350 x 350</td>
<td>EU (C+F)</td>
<td>220-240 - 50-60</td>
<td>2,800</td>
<td>30° – 45° – 60°</td>
<td>0-10</td>
<td>45</td>
<td>1</td>
<td>30201</td>
</tr>
</tbody>
</table>

Delivery scope: 1 ROLEI PEF 500 machine, 1 ROLEI special flap disc

Very sturdy 700-mm guide rail of high-quality, gliding steel specially hardened against corrosion including fastening bores for the thin sheet metal accessory package

Hard compression flat special flap disc with an extremely long service life

Adjustable bevel angle (30° – 45° – 60°)

New locking screw for setting the height of the deburring tool precisely and adjusting the abrasive during operation without tools

Fine-thread setting screw for exact adjustment of bevel width

NEW: Suction flange as standard

Powerful 380 volt motor (optional 220 V)

Now bevel and deburr thin sheets of metal and long square bars with an optional thin sheet metal accessory package (see page 268).
Suitable for
ROLEI PEF 500

Thin Sheet Metal Accessory Package

For bevelling thin sheet metal (name and company badges) from thicknesses of approx. 2.5 mm and as a guidance aid for deburring long square bar material.

Technical data:

<table>
<thead>
<tr>
<th>Description</th>
<th>Suitable for</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thin sheet metal accessory package</td>
<td>ROLEI PEF 500</td>
<td>1</td>
<td>30211</td>
</tr>
</tbody>
</table>

Set contents:
1 roller bar with 9 ball bearings and fixing bolts
1 guide rail with knurled screws
1 angular hand guide of gliding plastic

Suitable for
ROLEI PEF 500

ROLEI PEF 500 Machine Stand
Sturdy steel machine stand including fixing bolts with black powder coating for working comfortably in a standing position.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (L x W x H) (mm)</th>
<th>Weight (kg)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>505 x 305 x 660</td>
<td>about 20</td>
<td>1</td>
<td>30220</td>
</tr>
</tbody>
</table>
### ROLEI Special Flap Disc

The flap disc with especially hard compression for deburring machines. Self-sharpening with an extremely long service life!

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Suitable for</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 x 22</td>
<td>ROLEI EF 165, ROLEI PEF 500</td>
<td>1</td>
<td>50</td>
<td>36050</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>36060</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>80</td>
<td>36080</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>36120</td>
</tr>
</tbody>
</table>

**CHOOSE THE RIGHT GRIT/DISC:**

- Stainless steel, steel . . . . . 50 grit/60 grit
- Aluminium, copper, brass . . . 80 grit/120 grit
- Hard plastic . . . . . . . . . . . . . 120 grit

---

### ROLEI HellFire® Special Flap Disc

Ceramic hybrid disc with hard compression for particularly high rate of metal removal in one operation. Suitable for larger bevel widths due to high disc aggressivity. **Coarse to medium application; grinds all metals** from steel to stainless steel to titanium to non-ferrous metals.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Suitable for</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 x 22</td>
<td>ROLEI EF 165, ROLEI PEF 500</td>
<td>1</td>
<td>Multigrain 40/60</td>
<td>36046</td>
</tr>
</tbody>
</table>

**CHOOSE THE RIGHT GRIT/DISC:**

- All metals . . . . . . . . Multigrain 40/60
ROLEI BE 5
Sheet Metal Deburring Machine

The ideal workbench or free-standing tool for quick deburring of all metals (including stainless steel) on both sides up to approx. 5 mm of sheet thickness in one operation.

FEATURES

- Simple, safe operation without prior familiarity.
- 2 speeds available (600 and 1,200 rpm).
- Powerful 380-volt three-phase motor for continuous operation.
- Sturdy aluminium transmission with spindle mounts for replacement tools.
- 1 set (2 units) of flap wheels deburrs about 2000 m of sheet stainless steel.
- Replacement tools are easy to change.
- Suction flange for industrial extractors supplied as standard (internal Ø 35 mm).
- Wear-free, hardened guide rail (infinitely adjustable).

ROLEI BE 5 deburring tool can also be used on its side with a roller table for larger sections of sheet metal, for instance.

Sheet metal with burr after cutting

Sheet edges are deburred on both sides. Does not change the sheet dimensions!
## Technical data ROLEI BE 5 machine

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Plug type</th>
<th>Mains connection (V ~ Hz)</th>
<th>Power (W)</th>
<th>Speed (rpm)</th>
<th>Setting 1: Fine deburring 600</th>
<th>Setting 2: Standard deburring 1,200</th>
<th>Sheet metal thickness (working mm)</th>
<th>Weight (kg)</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 x 325 x 200</td>
<td>3-phase</td>
<td>380 ~ 50</td>
<td>750</td>
<td>Setting 1: Fine deburring 600</td>
<td>Setting 2: Standard deburring 1,200</td>
<td>0.5</td>
<td>29</td>
<td>1</td>
<td>30310</td>
<td></td>
</tr>
</tbody>
</table>

Delivery scope: 1 ROLEI BE 5 machine, 2 original ROLEI BE 5, 60 grit flap wheels (standard)

- **New!** Supplied with suction flange as standard
- Twist handle for re-adjusting the abrasive without tools
- Knurled screw for infinitely adjustable sheet thickness
- Knurled screws for changing abrasive
- Powerful 380-V motor
- Main switch with protective metal enclosure
- 700-mm wear-free, hardened guide rail
**ROLEI BE 5 Machine Stand**

Sturdy steel machine stand with black powder coating for working comfortably in a standing position.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (L x W x H) (mm)</th>
<th>Weight (kg)</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>385 x 325 x 660</td>
<td>about 20</td>
<td>1</td>
<td>30320</td>
</tr>
</tbody>
</table>

**Teflon Strips (self-adhesive)**

For the guide rail. To protect against scratches on the workpiece/sheets!

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 x 700</td>
<td>Teflon</td>
<td>10</td>
<td>30341</td>
</tr>
</tbody>
</table>

**ROLEI BE 5 Flap Wheel**

Replacement grinding flap wheels, 100% cotton quality, for great deburring. Cotton design ensures that the wheel can be used for a particularly wide range of applications and ideal employment of grinding tools.

**Tip:** To prevent damage to the ROLEI BE 5 transmission system, use only original ROLEI flap wheels with 100% cotton fabric.

**Technical data:**

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>165 x 30</td>
<td>2</td>
<td>40</td>
<td>37040</td>
</tr>
<tr>
<td></td>
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<td>60</td>
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<td></td>
<td></td>
<td>80</td>
<td>37080</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120</td>
<td>37120</td>
</tr>
</tbody>
</table>
EISENBLÄTTER is coming to you! Make an appointment now:

EISENBLÄTTER Demo Center
Phone (+49) 2633 2000 982 · demo@eisenblaetter.de
Koblenzer Str. 29a · 56656 Brohl-Lützing, Germany
When stainless steel is your business card!
CHEMICALS AND CARE PRODUCTS

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NEW Power Cleaner ...................... 276  
BRILLIANCE CLEAN ...................... 277

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INOX PROTECT (dry, hard wax) ........... 278

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POLY SEAL (oil film) ...................... 279

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NEW Indoor test package .................. 281  
NEW Outdoor test package ............... 281
CLEANING

Suitable for

ALL METALS

Power Cleaner

Universal cleaner in its most environmentally-friendly form

Clean and preserve – especially for the removal of grease-based Polish residue (BRIGHTEX®).

FEATURES

- **Water-based** for removing mineral soiling.
- Removes oil, grease and polish/paste residue from metal surfaces.
- Removes cement and adhesive residue and lime film.
- **Multi-functional use.**
- **No labels according to the CLP and REACH Regulation, free of VOC.**
- **Solvent-free application.**

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40057</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40055</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40056</td>
</tr>
</tbody>
</table>

Larger sizes are available on request.

Quick, simple removal of paste and polish residues, stubborn soiling, and adhesive and oil residue.
BRILLIANCE CLEAN

Streak-free cleaning of ground and unground metal surfaces

Quickly removes all kinds of minor contaminants from all metals, including stainless steel, aluminium, copper, and brass, but also glass, wood, hard plastics, and much more. Evaporates quickly, leaving all surfaces free of streaks and residue. Particularly suited to stainless steel surfaces. Can also be used for any other cleaning jobs, even around the house. It is the quickest and most effective solution.

BRILLIANCE CLEAN is completely environmentally friendly and non-toxic.

Try it once and you won’t want to be without this time-saving cleaning aid ever again! No more water cleaning!

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40050m</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40050</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40051</td>
</tr>
</tbody>
</table>

Larger sizes are available on request.

Quick, streak-free cleaning for a variety of surfaces.
INOX PROTECT
(dry, hard wax)

The smartest way to protect and optically upgrade stainless steel – an absolute necessity for all stainless steel surfaces

Quickly cleans and provides long-term protection from fingerprints and stains for decorative surfaces, giving them a transparent, protective layer of hard wax. Ideal for visible stainless steel surfaces of all kinds, kitchen panelling, ground stainless steel lift walls, railings, rods, pipes, stainless steel tables, and much more. Can also be used for all other metals. Spray it onto parts and distribute it by rubbing with a microfibre cloth; after a few seconds, polish with a second dry microfibre cloth. All parts will look completely new and can simply be re-polished dry at any time until the agent is re-applied.

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40040m</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40040</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40041</td>
</tr>
</tbody>
</table>

Larger sizes are available on request.

Quick cleaning and sealing.
Suitable for

STAINLESS STEEL · NON-FERROUS METALS (INDOORS AND OUTDOORS)

POLY SEAL
(oil film)

Cleaning and preserving

Ideal for decorative outdoor stainless steel surfaces such as stainless steel doors, facades, railings, fountains, figures, artworks, large kitchens, and the hotel industry. Practical spray bottle for ideal dosing and effective application (can be refilled).

For cleaning and preserving ground and polished surfaces. Finger smudges, water spots, and shadows remain invisible for a long time. For outdoors and the food sector (food-grade).

Technical data:

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50 ml</td>
<td>1</td>
<td>40011m</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40011</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40012</td>
</tr>
</tbody>
</table>

Larger sizes are available on request.

Protect from water spots in the outdoor area for a long time.
Suitable for **ALUMINIUM**

**KANGAROO ALU-FIX Oil**

This unique *special oil for machining aluminium prevents* flap discs from *smearing* and increases service life and *performance by up to 300%*. Simply spray the agent onto the workpiece before grinding and grind as normal!

**Technical data:**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray bottle</td>
<td>50ml</td>
<td>1</td>
<td>40010m</td>
</tr>
<tr>
<td></td>
<td>500 ml</td>
<td>1</td>
<td>40010</td>
</tr>
<tr>
<td>Can (including spray bottle)</td>
<td>5 litres</td>
<td>1</td>
<td>40010k</td>
</tr>
</tbody>
</table>

Larger sizes are available on request.
Indoor Care Test package

Pore-deep cleaning and long-term protection for indoor metals

The environmentally friendly POWER CLEANER removes even stubborn contamination such as cement and adhesive residue and lime film and, immediately after polishing, polishing paste and cream residue. BRILLIANCE CLEAN removes minor contamination, completely streak-free and without residue. For final surface sealing, INOX PROTECT is applied to form a transparent hard wax layer that provides long-term protection from fingerprints and spots to such metal surfaces as stair railings, lifts, and doorbell panels. Test it yourself!

Technical data:

<table>
<thead>
<tr>
<th>Application</th>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoors</td>
<td>Spray bottles</td>
<td>3 x 50 ml</td>
<td>1</td>
<td>40060</td>
</tr>
</tbody>
</table>

Outdoor Care Test Package

Pore-deep cleaning and long-term protection for indoor and outdoor metals

The environmentally friendly POWER CLEANER removes even stubborn contamination such as cement and adhesive residue and lime film and, immediately after polishing, polishing paste and cream residue. BRILLIANCE CLEAN removes minor contamination, completely streak-free and without residue. To preserve ground and polished surfaces, apply a thin film of POLY SEAL when work is finished. This makes finger smudges, water spots, and shadows remain invisible for a long time. POLY SEAL is also food-grade and is ideal for use in large kitchens and hotels for such items as railings, facades, and artwork. Test it yourself!

Technical data:

<table>
<thead>
<tr>
<th>Application</th>
<th>Packaging</th>
<th>Contents</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoors</td>
<td>Spray bottles</td>
<td>3 x 50 ml</td>
<td>1</td>
<td>40061</td>
</tr>
</tbody>
</table>
The perfect accessories for the perfect tools
<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic carry case for mobile use</td>
<td>284</td>
</tr>
<tr>
<td><strong>NEW</strong> Professional carrying case</td>
<td>284</td>
</tr>
<tr>
<td><strong>NEW</strong> Professional carrying case for pipe grinders</td>
<td>285</td>
</tr>
<tr>
<td>Stainless steel cover plate</td>
<td>286</td>
</tr>
<tr>
<td>Hand fleece</td>
<td>287</td>
</tr>
<tr>
<td><strong>NEW</strong> WonderGrip® Flex work gloves</td>
<td>287</td>
</tr>
<tr>
<td>Clear safety glasses</td>
<td>288</td>
</tr>
<tr>
<td>Face mask</td>
<td>288</td>
</tr>
<tr>
<td>Hearing protection</td>
<td>288</td>
</tr>
<tr>
<td><strong>NEW</strong> Ball joint mount</td>
<td>289</td>
</tr>
</tbody>
</table>
Basic Carry Case

for mobile use

Sturdy, heavy-duty plastic design for use on site.

Technical data:

<table>
<thead>
<tr>
<th>Interior dimensions (L x W x H) (mm)</th>
<th>Exterior dimensions (L x W x H) (mm)</th>
<th>Suitable for</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>495 x 230 x 205</td>
<td>500 x 250 x 240</td>
<td>POLY-PTX®, VARILEX® WSF 1800, MINI MAX® PRO, PIPE FIX DUO &amp; SMART, ROLEI EF 115</td>
<td>1</td>
<td>40008</td>
</tr>
<tr>
<td>400 x 190 x 180</td>
<td>415 x 215 x 200</td>
<td>VARILEX® 1000, tools</td>
<td>1</td>
<td>40008b</td>
</tr>
</tbody>
</table>

Professional Carrying Case

Extremely stable

Extremely stable carrying case (survival case) for ideal protection for your grinding machine and tools.

FEATURES

- Dustproof and splashproof according to the IP67 standard.
- For the temperature range between -30 °C and 90 °C.
- With pyramid foam inserts for especially good machine protection.
- Two stable, folding handles for upright or longitudinal carrying.
- With automatic pressure compensation valve for air transport.
- Especially high quality – made in the EU.

Technical data:

<table>
<thead>
<tr>
<th>Interior dimensions (L x W x H) (mm)</th>
<th>Exterior dimensions (L x W x H) (mm)</th>
<th>Suitable for: POLY-PTX® 802 HT, VARILEX® 1802 HT, VARILEX® POLISHER, MINI MAX® PRO</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>520 x 290 x 200</td>
<td>574 x 361 x 225</td>
<td></td>
<td>1</td>
<td>50103</td>
</tr>
</tbody>
</table>
Professional Carrying Case
for pipe grinders

Extremely stable carrying case (survival case) for ideal protection for your pipe grinder and tools.

FEATURES

- Dustproof and splashproof according to the IP67 standard.
- For the temperature range between -30 °C and 90 °C.
- With pyramid foam inserts for especially good machine protection.
- Two stable, folding handles for upright or longitudinal carrying.
- With automatic pressure compensation valve for air transport.
- Especially high quality – made in the EU.

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<thead>
<tr>
<th>Interior dimensions (L x W x H) (mm)</th>
<th>Exterior dimensions (L x W x H) (mm)</th>
<th>Suitable for: PIPE MAX, PIPE MAX 802 HT, PIPE MAX MINI HT, PIPE SNIPER HT, GLADIUS®, etc.</th>
<th>Pkg. unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 370 x 145</td>
<td>850 x 440 x 158</td>
<td></td>
<td>1</td>
<td>50104</td>
</tr>
</tbody>
</table>
Stainless Steel Cover Plate

for perfect mitre grinding

Stainless steel cover plate produces precision mitre edges and easy cutting with shears. Clean adhesion for perfect mitre grinding on all materials. Self-adhesive, can be removed without leaving any residue – easy control without rework guaranteed.

Technical data:

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Material thickness (mm)</th>
<th>Material</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 150 x 2,500</td>
<td>0.1</td>
<td>Stainless steel (1.4301/304)</td>
<td>1</td>
<td>40070</td>
</tr>
</tbody>
</table>
Hand Fleece  
(supplied on a roll)

For hard to reach places, such as corners, etc.

Completely free of ferrite (iron). Ideal for stainless steel, wood, steel, non-ferrous metals, and hard plastics. High grit density for extremely long service life and uniform grinding. Supplied on practical 10-m storage rolls.
For a shadow-free industrial finish (matt and satin), removing oxide layers, and blending ground sheet metal by hand and in hard-to-reach places.

Technical data:

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Length (m)</th>
<th>Packaging unit</th>
<th>Grit (K)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>10</td>
<td>1</td>
<td>80</td>
<td>60080</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>180</td>
<td>60180</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>280</td>
<td>60280</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>60400</td>
</tr>
</tbody>
</table>

WonderGrip® Flex

Work Gloves

The original

New work gloves for sensitivity and an outstanding grip for many applications in dry, wet, and oily environments. The EN388 standard and the good mechanical properties show that the WonderGrip® FLEX is an outstanding all-rounder: outstanding resistance to oil, grease, and hydrocarbons; good resistance to organic solvents; resistant to heat and abrasion.

Technical data:

<table>
<thead>
<tr>
<th>Size</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>5</td>
<td>40105m</td>
</tr>
<tr>
<td>L</td>
<td>5</td>
<td>40105l</td>
</tr>
<tr>
<td>XL</td>
<td>5</td>
<td>40105xl</td>
</tr>
</tbody>
</table>
Clear Safety Glasses

with adjustable earpieces

Adjustable earpieces with soft, rubberised ends to ensure a perfect fit and wearer comfort. High-quality (plastic) lenses ensure unrestricted, distortion-free vision. The product complies with DIN EN 166:2001. For safe, statutory eye protection during work with machines and any grinding and polishing tools.

Technical data:

<table>
<thead>
<tr>
<th>Material</th>
<th>Standard</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transparent plastic</td>
<td>EN 166:2001</td>
<td>1</td>
<td>40104</td>
</tr>
</tbody>
</table>

Face Mask

with exhalation valve

Filter class FFP1 protects against non-volatile solid and liquid particles. Includes an exhalation valve to prevent heat and moisture from becoming trapped in the face mask. Individually adjustable nose clip for the wearer’s comfort. Also ideal for those who wear glasses.

Soft, padded interior fleece. Fabric retaining straps for durability and comfort.


For safe, statutory protection of the airways during work with hand-held machines and all grinding and polishing tools.

Technical data:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 149:2001</td>
<td>10</td>
<td>40100</td>
</tr>
</tbody>
</table>

Hearing Protection

Made from environmentally friendly polyurethane foam that slowly reverts to its original shape. Soft, skin-friendly foam ear plugs that are extremely comfortable to wear. SNR value 37 dB.

The product complies with DIN EN 352-2.

For safe, statutory hearing protection during work with hand-held machines and all grinding and polishing tools.

Technical data:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Packaging</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 352-2</td>
<td>Resealable box (400 units)</td>
<td>1</td>
<td>40103</td>
</tr>
</tbody>
</table>
Suitable for

ALL DEVICES WITH M8 THREADS

**Ball Joint Mount**

The robust ball joint mount transforms any mobile hand-held machine into a workshop. Grinding or deburring of small parts, polishing of individual pieces or sharpening blades – all these tasks can be performed with your mobile machine thanks to the ball joint mount.

The rotary handle allows the ball joint to be locked safely and without tools – in any position!

**Technical data:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Mounting threads</th>
<th>Packaging unit</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium, painted</td>
<td>M8</td>
<td>1</td>
<td>38663</td>
</tr>
</tbody>
</table>

**Application examples**

VARILEX® 1802 HT  page 22
POLY-PTX® 802 HT  page 158
PIPE MAX 802 HT  page 214
MINI MAX® PRO 1000 page 112
GLADIUS® 1802 HT  page 222
PIPE MAXHT Mini page 232
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