




EISENBLATTER

High tech grinding and polishing technique



First Class High Tech grinding and polishing equipment!

for stainless steel – steel – non-ferrous metals – wood

 TOP-Quality
Made in Germany

P R O D U C T S

2014



EISENBLÄTTER

HIGH TECH GRINDING AND POLISHING EQUIPMENT

**“ Good ideas are often
ridiculed at the start, then
opposed and finally copied.”**

TABLE OF CONTENTS

■ Gerd Eisenblätter GmbH

- 6 New products
- 8 History
- 10 Demonstration Center
- 11 Awards
- 12 Production
- 13 Eisenblätter Quality Seal



■ High performance flap grinding discs from in-house production

14 High performance flap grinding discs

Technical details



20 Nature fiber compound

Superior technology for environment and user.
Viscoelastic, self-trimming and cool grinding behavior.

23 TRIMFIX® backing plate

Natural fiber instead of glass fiber

24 TRIMFIX® BLACK MAMBA®

Probably world's strongest grinding flap disc on steel.
Innovative flap disc with natural fiber backing and newly developed pure zirconium hybrid cloth ensures profound heavy duty steel working with extra cool grinding behavior.

26 TRIMFIX® HellFire®

One disc for every metal.
Uses the revolutionary ceramic – hybrid technology with multi grain 40/60 (exclusive by Eisenblätter) on a natural fiber backing plate for extensive aggressiveness on all metals.

26 TRIMFIX® ZIRCOPUR®

Ideal price performance ratio!
High-tech zirconium cloth assembled on natural fiber backing plate for a universal grinding solution mostly on steel up to stainless steel.

30 PLANTEX® COOL TOP® UNIVERSAL

Long-life High tech pure zirconium flap disc with grinding-agents assembled on self-trimming natural fiber backing plate for steel and stainless steel. Especially universal due to pure zirconium on pure cotton cloth.

32 MAGNUM® backing plates

Trimmable backing plate made of food safe special plastic.
Free of mineral fibers.

34 MAGNUM® COOL TOP® 5

Extreme long life high tech zirconium flap disc with pure zirconium and cooling agents, with glass fiber free trimmable ABS plastics backing plate.
Ideal for steel and stainless steel.

36 MAGNUM® FILLET WELD

Extrme long life high tech zirconium flap disc with pure zirconium and cooling agents, with extra high lamella overlap for corners and fillets.
Ideal for steel and stainless steel



38 MAGNUM® PLATINUM FLAT (multigrain)
Extreme long life ceramic-hybrid high performance flap disc, with glass fiber free trimmable ABS plastics backing plate. Universal for all metals.

40 MAGNUM® CERAMIC
Extreme long life ceramic-hybrid high performance flap disc, with glass fiber free trimmable ABS plastics backing plate. Ideal for steel, stainless steel and titanium.

42 Special grinding flap discs

Special application areas require special grinding flap discs. Superior in their profession.

44 BLUE SHARK® elastic
Highly elastic long life high tech zirconium flap disc, with glass fiber free trimmable ABS plastics backing plate. For metal sheets of steel and stainless steel.

46 TIGER SHARK® elastic
Highly elastic long life flap disc with special grain mixture, with glass fiber free trimmable ABS plastics backing plate. Ideal for aluminium, brass and copper.

48 ZIRCOTEX® Nylon PLAN
Long life, legendary flat flap disc with flap double layer for steel and stainless steel.

FIX HOOK & LOOP System

50 FIX HOOK & LOOP System
Highly flexible working with optimized work piece adaption. Extensive grinding and polishing tool assortment ranging from rough grinding up to the perfect mirror finish.

Extraordinary discs for special works

58 FLEECE-FLAP 1FOR2
Fleece flap disc assembled on viscoelastic natural fiber backing plate. Stainless steel weld seam removal with fine decorative finish (2 steps in one).

60 BLUE SHARK® FLEECE-FLAP
Ideal finishing for welds

62 MAGNUM® CLEAN
The cleaning disc with the sand-blasting effect

64 MAGNUM® TOPMIX
Combination fleece disc with higher material removal and fine finish.

66 MAGNUM® FLEECE TOP
Fleece disc for finishing

68 POLY MAGIC WHEEL
A revolution for polishing mirror finishes in corners

CUTTING AND GRINDING DISCS

70 MAGNUM® TWINFLEX, FINECUT PLUS und FLEXO
Our top trio for best finishes



TABLE OF CONTENTS

POLY-PTX® – Linear grinding system

- 72 **POLY-PTX® 800 Professional**
More Power for the original
- 77 **POLY-PTX® 800 Professional**
Accessories + abrasives
- 85 **POLY-PTX® Eco Smart SYSTEM**
Quick-release changing system for linear grinders



Polishing and preserving products

- 88 **Special polishing- and preserving-products for stainless steel and other materials.**
Care and protection



MINI-MAX® – Multi-function grinder

- 91 **MINI-MAX®**
Maximum versatility
- 94 **MINI-MAX®**
Accessories and abrasives



MINI-FIX HOOK & LOOP SYSTEM

- 96 **MINI-FIX HOOK & LOOP SYSTEM**
Innovative rapid tool changing system with extensive grinding- and polishing-tool assortment from rough grinding up to the perfect mirror finish.



PIPE GRINDING

- 100 **Pipe grinding Overview**
with Eisenblätter machines
- 102 **PIPE-FIX SMART**
Mini belt grinding system
- 104 **PIPE-FIX DUO**
Belt grinding system with interchangeable fittings
- 107 **Abrasives**
for PIPE-FIX systems
- 108 **PIPE-MAX**
Pipe belt grinder
- 111 **PIPE-SNIPER**
Pipe belt grinder



DUST PROTECTION

- 115 For all 1,750 watt machines from Eisenblätter



116 Grinding and polishing belts

for PIPE-MAX, PIPE-SNIPE® & GLADIUS® 1800



■ GLADIUS® 1800

118 GLADIUS® 1800

The multifunctional grinding sword
Belt grinder, surface grinder, belt polisher,
deburring tool and wood processor in one machine!



■ MULTI-MAX

121 MULTI-MAX

The all-in-one workstation
With double drive unit for stationary
linear and circular grinding.



■ VARILEX® angle grinder (speed regulated)

124 VARILEX® WSF 1800 Professional

Strongest one-handed angle grinder of its class (1,750 watts)

129 VARILEX® WSF 905 Professional

Small, handy and powerful

132 VARILEX® WSF 900 DUO

The Swiss army knife of angle grinders

134 VARILEX® WSF 900 DUO

Accessories



■ Work Safety

135 Work Safety

Protective glasses,
ear protection plugs & comfortable face mask



■ ROLEI deburring technique

136 ROLEI

Excellent precision

138 ROLEI BE 5

Sheet metal deburring machine

140 ROLEI EF 165

Facets at 45°

142 ROLEI PEF 500

Facets at 30° – 45° – 60°

144 ROLEI EF 115

Manual deburring and faceting machine



146 EISENBLÄTTER MAGAZINE

147 EISENBLÄTTER ONLINE / Imprint

148 Exclusive by EISENBLÄTTER:

Fleece- and Mix-wheels with grit 60 (Linear grinding).
The new benchmark for satin finishes.



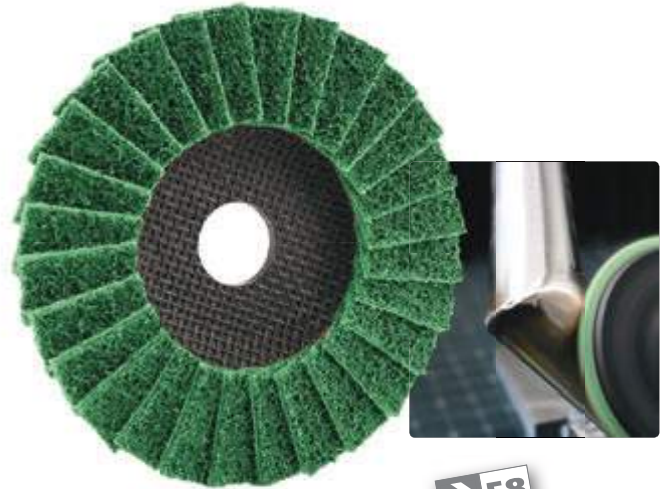
→ 24

Removes up to 1 kg steel within 15 until 20 minutes.

Black Mamba®

Propably world's strongest grinding flap disc on steel
Innovative flap disc with natural fiber backing and newly developed pure zirconium hybrid cloth ensures profound heavy duty steel working with extra cool grinding behavior.

FLEECE FLAP 1FOR2



→ 58

FLEECE-FLAP 1FOR2

Fleece flap disc with viscoelastic natural fiber baking plate. Stainless steel weldseam removal with fine, decorative finish (2 steps in one).



→ 71

+ 50% more performance

MAGNUM® FINECUT PLUS

Improved high class cutting disc with up to 50% more performance.



NEW 1FOR2

→ 81

1FOR2 POLY-PTX® sleeves

Extra coarse high-tech fleece material to remove middle deep scratches, light dents etc. on stainless steel metals sheets and square tubes.

Patented



→ 81

Expansion roller

Highly elastic roller through triple built-in segments, therefore best adjustment to the work piece and very simple changing of grinding sleeves is guaranteed.



→ 54

Improved special-backing pad for FIX-Hook and Loop system

Newly optimized backing pad with better tolerance compensation of all FIX-Hook and Loop tools, longer disc overhang and highly improved elasticity.



→ 54

FIX – HellFire® grinding flap disc

FIX-Hook and Loop version of the original TRIMFIX® HellFire®. 1 grit size for all metals. Extreme removal rate. Grinds like grit size 40 with the result of grit size 60. Perfect for all metals.



NEW 1FOR2

→ 55

FIX-Hook and Loop 1FOR2 discs

SC-fleece discs in grit size extra coarse for accurate removal of thin weld seams and spots.

Grit 60



→ 80

→ 148

FLEECE-wheel and MIX (combi) wheel grit 60

Now available also in grit size 60. While leaving a strong decorative grinding pattern, the removal of scratches and dirt contaminations is guaranteed. The new benchmark for satin finish.



→ 80

Balancing of wheels

Worldwide exclusive at Eisenblätter: Balancing of wheels for all FLEECE and MIX (combi) wheels. Guarantees 100% true running accuracy and truly perfect working results.

→ 116

HellFire®-belts

Ceramic-Hybrid grinding belt for the PIPE-MAX® and GLADIUS® 1800 machines. The same original multigrain-hybrid grinding cloth (grit 40/60) like the multiple awarded flap disc TRIMFIX® HellFire® is applied. Perfect for all metals!



EISENBLÄTTER

First Class High Tech grinding and polishing equipment



HISTORY

Perfect grinding equipment for perfect finishes

"Eisenblätter Maschinenbau" opened for business

1972

Invention and production of deburring machines with flap discs

1974

Invention of ROLEI linear grinders and accessories

1976

"Gerd Eisenblätter GmbH" special grinding equipment is founded

1980

Invention and production of flap discs with adhesive-free aluminium backing plates

1984

Invention of hook and loop flap discs with patented centring backing plates

1988

1973

Invention and production of fully automatic marbling systems

1975

Invention and production of sheet metal deburring machines with elastic grinding wheels

1978

Launch of the first zircon-based flap discs

1982

Launch of ZIRCOTEX flap discs

1985

Gold medal for deburring tools at the IHM Exhibition in Munich

1989

First linear grinder with an angle gear



2009



2014



2012 - 2014



2011



2011



2011



2012

Invention and production of MAGNUM® flap discs on ABS backing plates

1990

Invention of the first flap disc made of sustainable raw materials

2004

TOP 100 Innovation Prize in Germany, awarded by Lothar Späth

Support Prize from the Professional Association

2007

Launch of the clever Eco-Smart quick-release clamping system for linear grinders

2009

Launch of the most powerful one-handed angle grinder from Eisenblätter and linear grinders with 1750 W motors

2011

Nationwide contest "Eisenblätter supports the German small trade" Official abrasive supplier of the zoo "Tierpark Hellabrunn" in Munich Germany

2012

since **1992**

Lots of inventions in the abrasives and hand-held machines sector

2005

Award of environment prize by the Bad Tölz-Wolfratshausen Rural Council

2010

Invention of the first ever pipe belt grinder with gas pressure damping

2011

Invention of new fibre backing plates with multi-hybrid grit

Launch of the new revolutionary pipe grinding range

2012 - 2014 2014

New revolutionary grinding flap discs TRIMFIX® with nature fiber backing plate as well as GLADIUS® 1800 a multifunctional belt grinder

Eisenblätter office and production building expansion. On more than 10.000 square meters.



Newly renovated Old Yard.

■ Eisenblätter Demonstration Center & Shop

■ Extensive training for retailer, field service and user

Already since February 2009 our demonstration center has been available to our customers and it is becoming increasingly popular: a growing number of customers are using the opportunity to have our schooling personnel show their employees

how to properly use Eisenblätter tools in free and individually arranged instructions. The result: Thanks to the "first-hand information", following the product training their employees are able to work with our machines and tools in a time-saving, economic and rational way. The tips and information which you are given in our demonstration center help you to optimize your grinding and polishing technique from coarse grinding to perfect mirror finish.

In specific intensive instruction courses for retailer, sales personnel and field service our customers are ideally prepared for sales conversations, to highlight details and benefits of our product line.

Furthermore the Demonstration Center is now mobile and will assist and train you and your staff with its "Eisenblätter Bus" on site on your wish.

In Brohl-Lützig where the Demonstration Center is located the world's first Eisenblätter shop has opened its doors! Here you can not only test our products but also directly buy them.

Would you like to arrange an appointment with the Eisenblätter Demonstration Center & Shop? Use the following contact possibilities:

Eisenblätter Demonstration Center • Koblenzer Straße 29a • D-56656 Brohl-Lützing

Phone: +49 2633 2000 982 Fax: +49 2633 2000 983

E-mail: demo@eisenblaetter.de



■ Prizes, awards and patents



Bavarian State Prize 1985

As long ago as 1985 Eisenblätter was awarded the Bavarian State Prize at the Trade Exhibition in Munich for its deburring machine.



Environment Prize 2005

On 7 June 2005 Eisenblätter was awarded the Environment Prize 2005 by the Rural District of Bad Tölz-Wolfratshausen from District Commissioner Manfred Nagler.



Top 100 Innovator 2007

Eisenblätter was awarded the Top 100 award by Lothar Späth. This put Eisenblätter among the top 100 innovators in Germany during 2007.



Company visit in 2008

Visit by Minister Ilse Aigner and Bundestag delegate Dagmar Wöhrle.



Honorary Prize of the German Professional Association 2007

Gerd Eisenblätter GmbH entered the German Professional Association Support Prize competition in 2007 and was awarded an honorary prize "Innovations in Prevention" for its submitted product "PLANTEX high tech hemp compound".





■ In-house production in Germany

Only the best raw materials and media, which are available all over the world, are used to make Eisenblätter products to ensure that we can offer our customers the **best possible quality**. Such as our new pipe grinding and belt grinding range, for example – all the components for which are made of stainless steel, aluminium and brass.

Eisenblätter has also not followed the general trend to manufacture in low wage countries. Many Eisenblätter products are therefore **“Made in Germany”** on the latest production equipment in strictly controlled conditions.

Extensive inspection and testing systems guarantee these extraordinarily high quality standards.

The fact that this often very expensive route pays dividends is demonstrated by the high level of loyalty and satisfaction of our national and international customers and the continuous growth of our company in every department.

Today Eisenblätter is one of the leading manufacturers of flap discs as well as linear grinding systems and abrasives. To meet the quality standards that we set ourselves whilst still allowing us to manufacture on a rational and economical basis we have used completely new development methods for our production equipment.

This means that Eisenblätter leads the way in offering top quality at a fair price.

Lots of large, well-known companies from the automotive, bodywork, aircraft, rolling stock, metal construction and mechanical engineering sectors as well as leading German shipbuilders use Eisenblätter technology.

EISENBLÄTTER QUALITY SEAL



The Eisenblätter quality seal!

Highest working quality in combination with keen environmental awareness are amongst the most important properties of our machines and flap discs: we do not solely keep in mind sustainability and occupational safety during production – we also make sure that the environment and the user are protected when our machines are

being used (for instance high-quality suction cover) and flap discs (supporting plates made of natural fiber). This is one of the reasons why our products are used even in Tierpark Hellabrunn zoo for pedicuring the animals. We now guarantee the high and sustainable quality of our grinding discs with our quality seal, which you will find on the cardboard packaging.

For 40 years Eisenblätter has been developing and manufacturing hand-held grinding machines and for surface grinding and finishing on non-ferrous metals, iron, steel and stainless steel, aluminium, rigid plastic and wood. Over this time the company has accumulated a wealth of experience and expertise, which is demonstrated by better quality, more economical and powerful equipment and abrasives. The grinders and abrasives developed by Eisenblätter are today among the most efficient products available on the market.

Eisenblätter has set standards for established grinding technology with a number of innovations.

Over 80 protective rights, both in Germany and abroad, protect Eisenblätter's unique expertise.

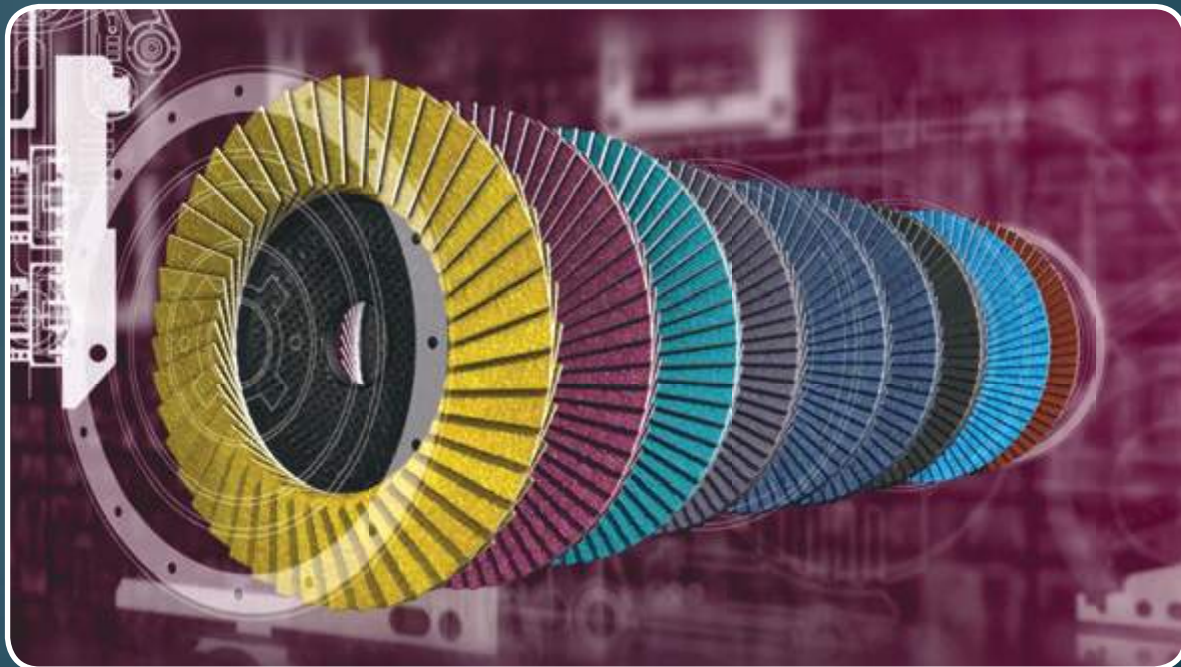
For example, at the end of the seventies Eisenblätter developed the first zirconium-based flap discs for high speed angle grinders, making it a **pioneer of the flap disc that has gone on to conquer the whole market**. Today Eisenblätter can supply a superlative abrasive in the form of the TRIMFIX® flap discs which

offers unbeatable performance in terms of material removal, grinding quality and versatility. The Eisenblätter MAGNUM® COOL TOP® was awarded first place in a flap disc test by *werkzeugforum.de*. The development of the PLANTEX® made of a high tech hemp fibre compound saw the launch of a **high performance flap disc** made of sustainable raw materials, thanks to CO₂-neutral natural fiber compound, self-trimming, easy to dispose of and offering maximum safety.

In 1976 Eisenblätter was awarded a patent for a linear grinder. The "LFS 100" has developed into a **multi-functional grinder for high quality surfaces**. The current machine, the POLY-PTX® 800, made by Eisenblätter, with a wide range of abrasives for the most diverse applications, for example for producing a perfect mirror finish on stainless steel surfaces, **has become an essential helper** in engineering, industry and particularly in metal construction.



HIGH PERFORMANCE GRINDING FLAP DISCS



- Incomparable due to revolutionary technology**
- Environmentally friendly by CO₂-neutral natural fibre compound**
- Elastic backing plate**
- Superior performance and service life**
- Low vibration and heat-absorbent**
- Grind down to the last millimetre**



VIDEO

GRINDING FLAP DISCS

from EISENBLÄTTER

■ Incomparable due to revolutionary technology

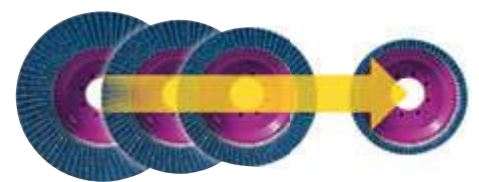
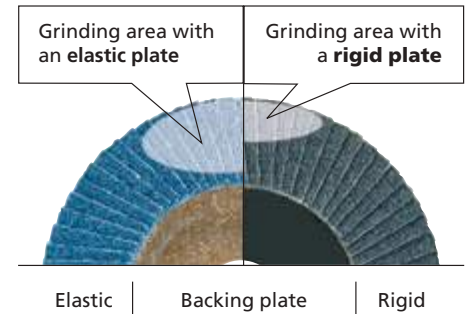
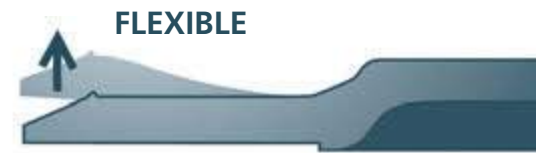
Completely new production process, backing plate made of food-safe ABS plastic or CO₂-neutral natural fibre compound material which is good for both the user and the environment. Special grinding fabric ingredients give us an enormous technical lead for the benefit of our customers and the environment.

■ Superior performance and service life

Elastic backing plate and greater elasticity produced by the adhesion process which is patented around the world achieve a large contact surface area during grinding. This means more grinding flaps on the workpiece, more material removal with less grit break-out, low grinding temperature and better surface -quality.

■ Grind down to the last millimetre

The backing plates are easy to trim around the outside whilst hemp high tech compound backing plates trim themselves during the grinding work. The disc is used down to the last millimetre of the grinding fabric. Discs with glass fabric or glass fibre-reinforced polyamide plates, on the other hand, are difficult to trim and are often discarded with 30 - 40 % grinding fabric remaining.



A comparison of the costs for flap discs with rigid backing plates and Eisenblätter grinding discs with elastic backing plates clearly proves the point:

Tested on our own grinding robot.

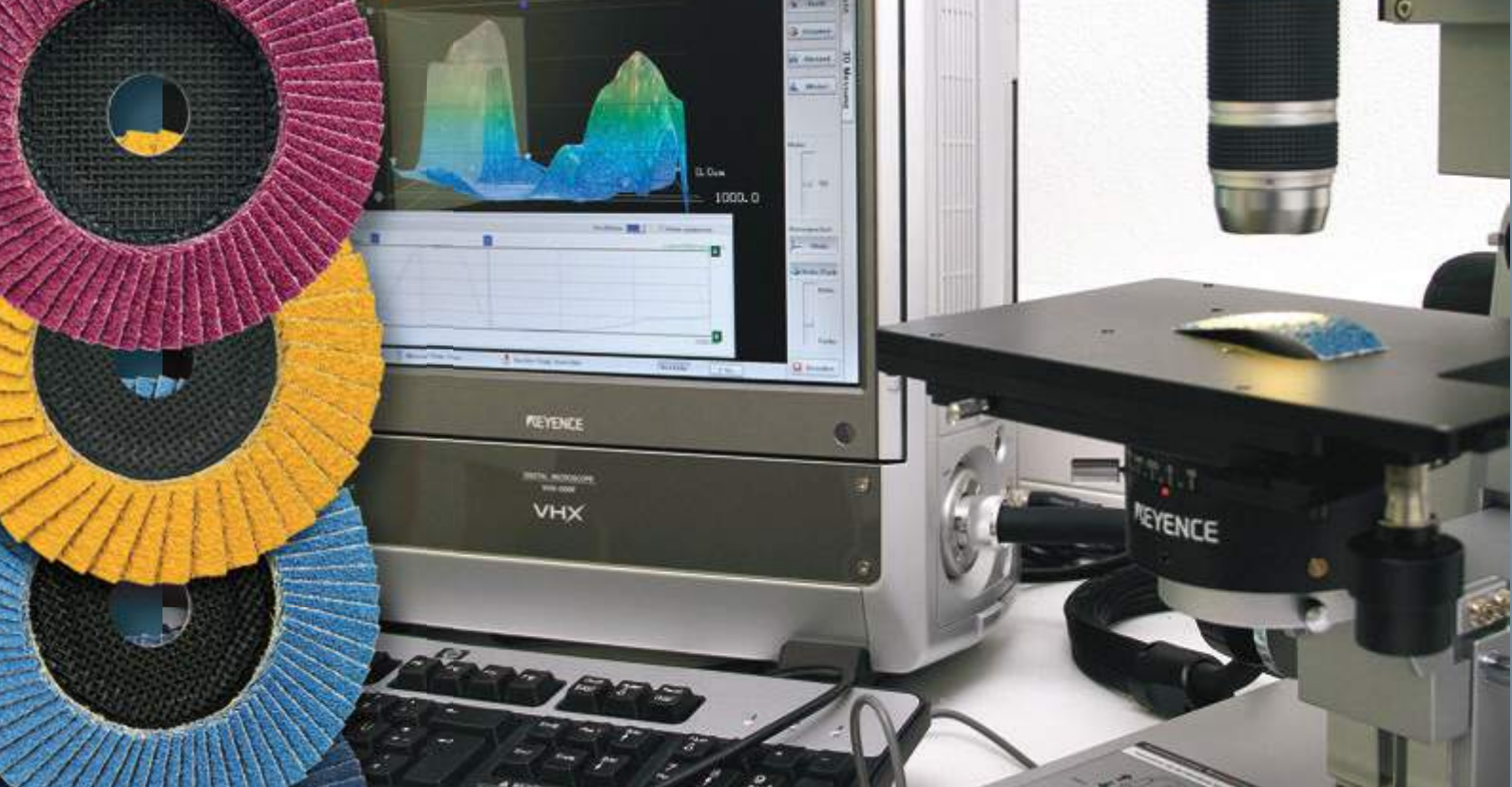
Tool costs per 100 g of ground steel for flap discs with a **rigid backing plate** / glass fibre/polyamide): **Approx. 0,35 to 0,60 €**

Abrasive costs per 100 g of ground steel with Eisenblätter grinding discs with **elastic backing plates** (natural fibre/ABS): **Approx. 0,15 to 0,25 €**

If you include the much longer service life and the savings in retooling times, heavy users can quickly save thousands of euros per year.

There is nothing more expensive than a cheap product!





■ **Beyond competition in technology and performance**

Eisenblätter developed the first zirconium-based flap disc for high speed angle grinders at the end of the seventies. High quality and innovation from Eisenblätter have been setting standards ever since and have had a major impact on the development of the flap disc.

With 40 years of experience in the production of flap discs, Eisenblätter offers technology which nobody else can compete with and is now one of the largest manufacturers in the world. Flap discs from Eisenblätter are the absolute tops around the world in terms of material removal, service life and grinding quality.

■ **Simply the greatest**

Material removal, grinding quality and service life:

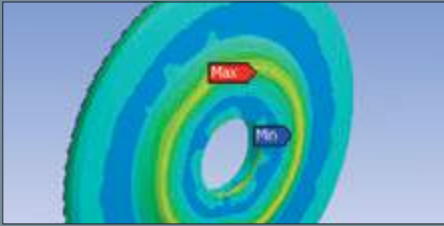
In addition to the grit mix of the grinding fabrics, the combination of elastic backing materials, the flap grinding angle, hard compression, gluing system, etc. are the main points that decide on the performance and service life of a flap disc.

This is where the chaff is sorted from the grain – not all flap discs are alike!

■ **Green and completely safe**

At Eisenblätter we attach massive value to user friendliness and green credentials when we select our raw materials. Glass fabric, mineral fibres and epoxy resins are completely ignored. We primarily use sustainable and green raw materials for the production of our grinding flap discs. Eisenblätter uses food-safe special plastics for its backing plates. The development of the hemp fibre high tech compound backing plate was an important contribution by Eisenblätter to preserving resources and reducing pollution. Another major contribution to safety, performance, service life and user friendliness is the patented, revolutionary gluing system with its elastic adhesive anchoring of the grinding fabric flaps. This reduces vibrations and noise considerably.

Load FEM calculation



Hard-pressed flaps



Unpressed flaps



■ Unique, revolutionary production process

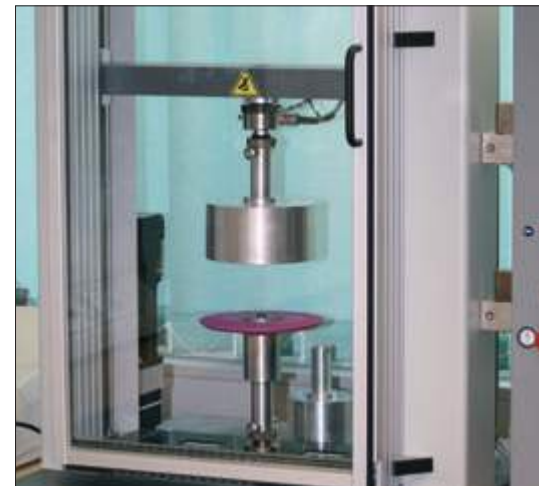
Completely new production technologies had to be developed to meet the high quality requirements that we make on our flap discs. The grinding flaps are glued to the backing plate by a revolutionary gluing process. Eisenblätter flap discs do not have to be cured in temperatures of up to 140 °C. With the Eisenblätter process the required moisture remains in the grinding fabric which means that it does not dry out and cannot therefore shred prematurely during grinding. The anchoring of the grinding flaps remains elastic which considerably reduces the noise development and vibrations.

In contrast to many competition products, the grinding flaps on Eisenblätter flap discs are completely pressed on to the backing plate throughout the entire curing process to produce a firm, compact abrasive which is stable when exposed to vibrations. This also supports the grinding grit and holds it securely in its anchoring. The service life of the grinding discs is thus increased enormously.

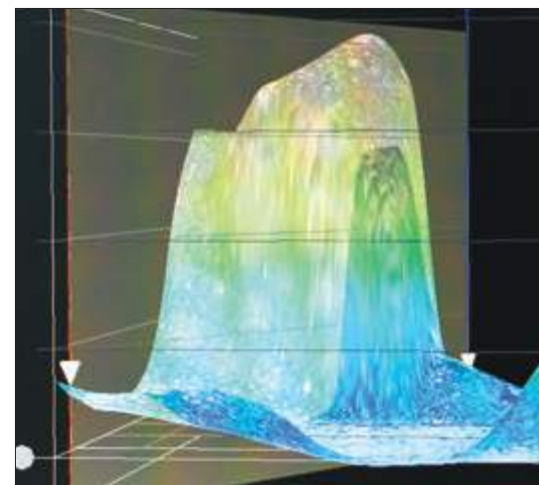
■ Tests and endurance trials assure the quality and provide the perfect conditions for advanced developments.

The grinding discs are tested to ensure that they can withstand the required speeds on a centrifugal force testing machine. The test system can conduct tests at speeds of up to 30,000 rpm.

Endurance grinding tests are conducted on specially developed test systems during which the material removal and service life of the flap discs are measured. The suitability of new grinding fabrics is tested and the grinding properties on various materials is checked.



Physical performance test of a grinding disc backing plate



Two hundredfold zoom of a grinding grain (digitalized)



Tests on in-house testing facilities.







Test Report **S 2248**

Client: Gerd Eisenblätter GmbH
Jeschkanstraße 10
82538 Geretsried
Germany

Art.-No.: 3312

Your request: 31.08.2012

Good description: Flap disc, without hook and loop fastening system for hand-held grinding machines

Marking: TRIMFIX Hybrid
Grit: 80 for steel, inox, alu, titan, alloy
Operating speed: $V_{max} = 80 \text{ m/s}$
 $R_{max} = 12.200 \text{ rpm}$
Test bases: EN 13743
Dimensions: 125 x 22 mm



Dimensions (mm)	Test wheels				
D (outside diameter)	125,8	124,8	125,8	124,8	124,8
T (overall thickness)	15,8	15,7	15,8	15,8	15,8
d (hole diameter) 22,23mm	ø K	ø K	ø K	ø K	ø K

Bursting Speed Test
Minimum bursting speed according to EN 13743 $V_{b, min} = 126,4 \text{ m/s}$
Reached bursting speed (m/s) **145,5** \geq **126,4**
Remark: requirement fulfilled

Marking of coated abrasives according to Annex A of EN 13743

Trade mark	Dimensions	max. operation speed (m/s)	max. speed of rotation (rpm)	sign "EN 13743"	Restrictions of use	Order No. series No.
X	X	X	X	X	X	X

Conclusion: The safety factors are in accordance with EN 13743

Garbsen: 24.09.2012

[Signature]
I.A. Tester: R. Klein



Werkstoffprüfanstalt für Werkstoffe und Produktionstechnik
An der Universität 2
D-30625 Garbsen
Tel: +49 (0)511 760-4362
Fax: +49 (0)511 760-3982
E-mail: info@mpa-hannover.de
Internet: www.mpa-hannover.de

■ Testing grinding discs

Eisenblätter flap discs have been tested, certified and approved for 80 m/sec by the Hanover Material Testing Department (MPA) pursuant to EN 13743 "Safety requirements for coated abrasives".

The Hanover MPA is the oldest independent test laboratory for grinding discs in Europe and has been carrying out safety tests on grinding discs for 45 years on behalf of manufacturers and institutions.

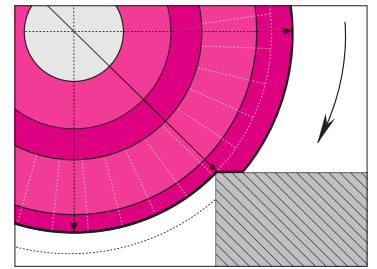
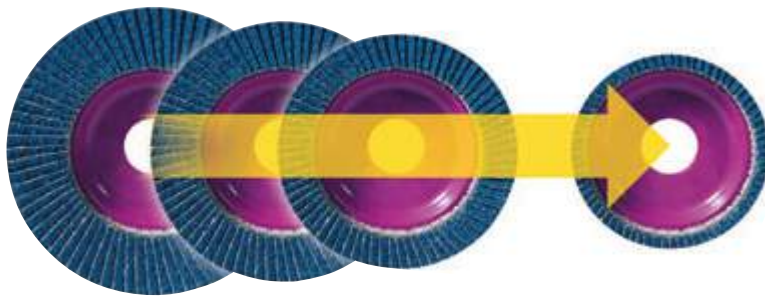
European standards EN 13743 and EN 13236 "Safety requirements for superabrasives" and the inspection and testing procedures contained in them were essentially developed by the Hanover MPA together with the former DSA (German Grinding Disc Committee).

Hanover MPA holds accreditation under DIN EN ISO/IEC 17025 for testing grinding discs and similar products in accordance with EN 12413 "Safety requirements for bonded abrasive products" and EN 13236. This underlines Hanover MPA's position as the leading European test laboratory for rotating abrasives.

The international accreditation of Hanover MPA as a test body for grinding discs and comparable products gives its customers the security that the test reports it issues are acknowledged and accepted throughout the work as evidence of their safety.

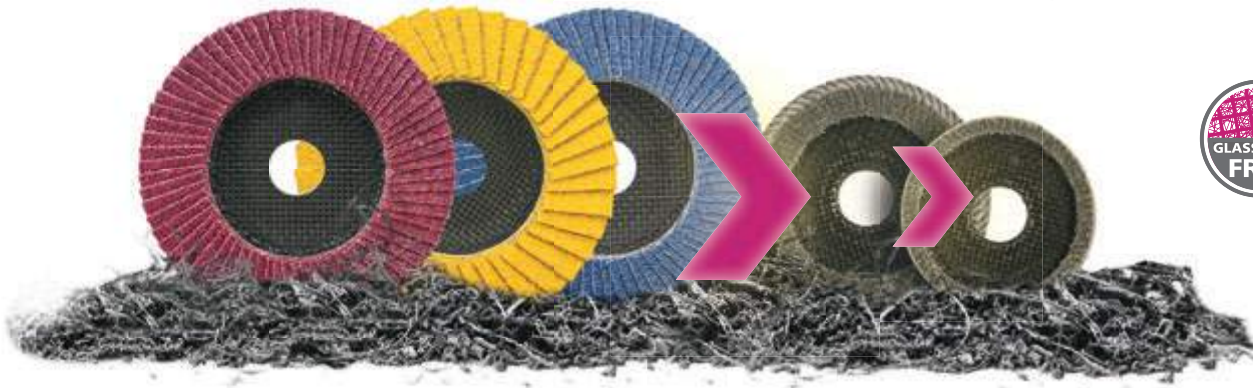
GRINDING FLAP DISCS

from EISENBLÄTTER



■ Backing plates made of food-safe plastic

From the beginning, Eisenblätter chose to use food-safe plastics (ABS) for its backing plates. Glass fiber fabric, mineral fibers and epoxy resins are not used. Backing plates made of food-safe plastic do not develop any additional polluting abrasive emissions (such as glass fiber dust), allow trimming by cutting and therefore allow the flap disc to be used down to the last millimeter.



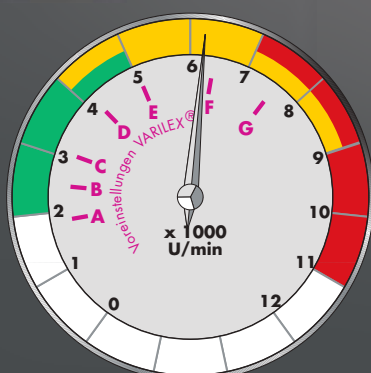
■ Backing plates made of natural fiber

Backing plates made of natural fiber compound (for example TRIMFIX® or PLANTEX®) trim their own diameter during the grinding process. Trimming by cutting is also simple and straightforward (the odour is similar to cutting wood). Flap discs with natural fiber compound backing plates can therefore be used down to the last millimeter of grinding fabric. What remains after trimming are soft, safe chips which can be disposed of as household waste.

100% FERRITE-FREE

All grinding fabrics and backing plates used for Eisenblätter flap discs are 100 % ferrite-free. Rust traces caused by steel particles are therefore completely impossible when grinding stainless steel types.

→ TIP



- Polishing discs
- Flap discs
- Scrubbing and cutting discs

Check the speed!

The right speed generally increases the service life of flap discs by up to 100 % according to technical studies. This is a major factor for ensuring low cost work.

The perfect speed for flap discs is between 5,000 and 8,000 rpm. They provide their optimum performance and service life if used within this speed range.

Speed-controlled, powerful angle grinders such as the VARILEX® WSF 1800 Professional are ideal for working with flap discs.

EISENBLÄTTER

Natural fibre compound

Backing plate made of sustainable natural fibres. Viscoelastic, self trimming, cooler grinding.



The generation leap in flap disc technology.

Only from Eisenblätter!

Superior technology for the environment and user.

Approximate volume ratio

30%

70%

Polypropylen
(PP)

Natural fiber



Strength and safety by FEM

The nature fibre is enormously tear-resistant as a result of its fibre structure, the nature fibre is enormously tear-resistant as a result of its fibre structure, low weight and heat absorbent. Due to these skills the nature fibre compound is also used, as example, in the automotive branch. Baking plates made of hemp fibre high tech compound are designed using the **finite element method (FEM)**. This ensures perfect strength and safety with minimal material use. All flap discs with natural fibre high tech compound backing plates have been tested by the MPA (Hanover Material Testing Department) and are approved under **DIN EN 13743** for speeds of up to 80 m/sec.

The clever ones yield

Flap discs with hemp fibre high tech compound backing plates have damping, springing properties as a result of their fibre substrate, which enhance their performance for grinding. This elasticity of the backing plate ensures better adjustment and a large contact surface area on the workpiece (more grit in use) and naturally also removed more material from the workpiece. The larger contact area also results in greater heat dissipation, the grinding process is cooler, the workpiece does not smear as easily and the grinding fabric does not burn.

Optimized work piece adjustment due to viscoelastic backing

rigid flap disc
(Conventional disc)

elastic flap disc
(Eisenblätter disc)

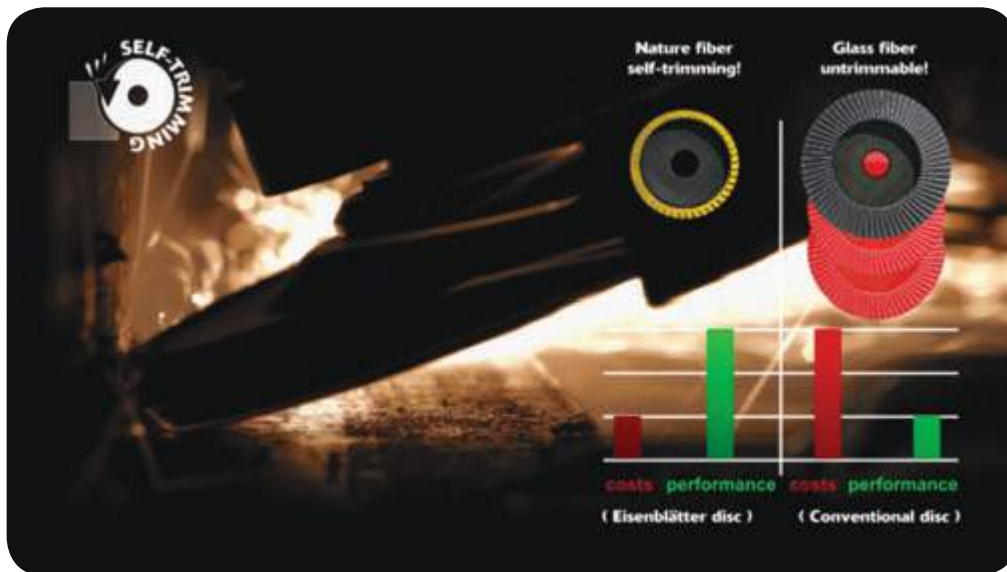
Larger grinding surface
Less grinding temperature
Cool grinding behavior

EISENBLÄTTER Natural fibre compound



Grind down to the last millimeter

Backing plates made of natural fiber compound trim their own diameter during the grinding process. Trimming by cutting is also simple and straightforward (the odour is similar to cutting wood). Flap discs with natural fiber compound backing plates can therefore be used down to the last millimeter of grinding fabric. What remains after trimming are soft, safe chips which can be disposed of as household waste.



Hemp fibre high tech compound plays a major role around the greenhouse effect

The energy and CO₂ balances can stand up to any comparison:

One tonne of natural fiber biomass contains 500 kg of carbon.



1 tonne of natural fiber converts approx. 2 tonnes of CO₂ (carbon dioxide) into oxygen by photosynthesis whilst it grows. Natural fiber high tech compound is easy to dispose of. Even the polypropylene binding agent can be incinerated to 1% carbon, with very little residue.

TRIMFIX® SUPPORTING PLATE

NATURAL FIBER INSTEAD OF GLASS FIBER



Optically similar to a glass fiber structure, but with numerous advantages in terms of technology and use:

- viscoelastic
- user-friendly and environmentally-friendly thanks to CO₂-neutral natural fiber content
- 100% self-trimming
- reduced dust emissions
- heat-insulating properties
- highest work safety
- no risk of injury through sharp-edged fiber splinters
- outstanding price performance ratio
- resistant to most chemicals



■ Grinding right down to the last millimeter

TRIMFIX® backing plates made of natural fiber compound trim their own diameters during the grinding process. They can be trimmed easily and without any problems during machining (their smell is similar to wood chip-pings). Flap discs with TRIMFIX® natural fiber compound backing plates can therefore be used right down to the last millimeter of the abrasive cloth. Trimming leaves soft, harmless chips which can be disposed of as household waste.



NEW



NEW

Removes up to
1 kg steel within 15
until 20 minutes.

Unbeatable

in price/performance
ratio



TRIMFIX® BLACK MAMBA®

100 % PURE ZIRCONIUM HYBRID CLOTH

Probably

WORLD'S STRONGEST FLAP DISC

on steel!

TRIMFIX® BLACK MAMBA® completes the Eisenblätter product range TRIMFIX® Zircopur and TRIMFIX® HellFire® and has also a backing plate made of natural fiber instead of glass fiber. The backing plate of TRIMFIX® BLACK MAMBA® is like the other TRIMFIX discs selftrimming.

This means: While grinding the backing plate reduces itself - therefor the grinding cloth on the disc can be used up to the last grain. The newly developed pure zirconium cloth of TRIMFIX® BLACK MAMBA® (exclusively by Eisenblätter) reaches an up to date unmatched total stock removal.

Up to 1 kg steel can be cut within 15 - 20 min.

With only one disc it is possible to remove a total of up to 4 kg.

- High performance flap disc, perfect for „heavy duty“ steel working with cool grinding, extreme removal rate and highest service life time
- Brand new pure zirconium hybrid grain mixture with cooling agents for up to date unmatched performance level on steel up to stainless steel with „cool“ grinding behavior.
- Viscoelastic backing plate allows easy trimming of the outer diameter during normal grinding
- Completely developed and produced in GERMANY
- The backing plate is made of environment friendly nature fiber compound and is completely free of glass fiber
- Vibration, heat and noise reduced
- Unreached stock removal rate
- Thanks to selftrimming backing plate it's possible to use 100% of the grinding cloth (high cost-saving potential)



VIDEO

TRIMFIX® BLACK MAMBA® 100% PURE ZIRCONIUM HYBRID FABRIC



Up to 1 kg steel can be cut within 15 - 20 min.

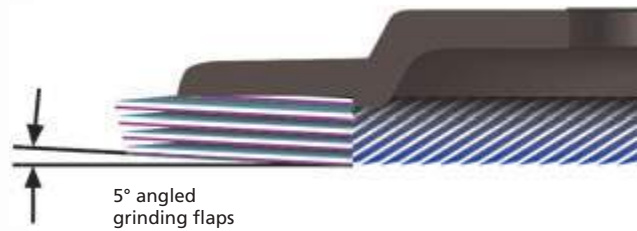


Also perfect for stainless steel due to the "cool" grinding effect.

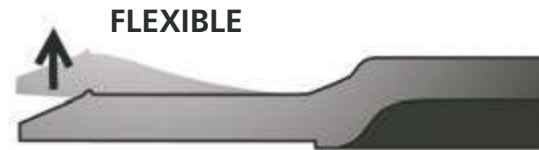


Patent pend.

Design protection



5° angled grinding flaps



FLEXIBLE



100% pure zirconium hybrid fabric

Technical data

Dimensions	Ø 100, 115, 125, 150, 178 mm
Maximum speed	13,200 rpm (e. g. Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grit	40, 60 (for finer grits we recommend the TRIMFIX® ZIRCOPUR®)



STEEL / STAINLESS STEEL

Further information at: www.trimfix.de

Unbeatable

in price/performance
ratio



TRIMFIX® HellFire®

CERAMIC HYBRID CLOTH

The World Innovation.

One disc for every metal.

Forget everything what you previously knew
about grinding discs!

Natural fiber instead of glass fiber. TRIMFIX® HellFire® is one of the most modern and versatile flap discs in the world. Thanks to the unique, innovative ceramic hybrid technology, all metals can be processed in record time, using just one grain size. User friendly thanks to the surrender of fiberglass components, environmentally friendly due to the use of CO₂-neutral natural fiber components. Working time and tool costs are halved – and do so with an absolutely outstanding price performance ratio.

- Multigrain (40/60) for all metals (for example steel, INOX, titanium, bronze, aluminum, etc.)
- Thanks to natural fibers, odorless and vibration-damping
- Innovative ceramic hybrid cloth enables grinding with just one grit size
- Plate made of natural fiber compound is kind to the environment and the user (CO₂-neutral)
- Viscoelastic backing plate for optimized adjustment to workpiece
- At highest performance level it saves considerable working steps
- Extremely cool grinding behavior: No more discoloration
- Natural smell: Pleasant wood chip smell
- No risk of injury through fiber splinters
- Grinds like grit 40 with the result of grit 60
- Fully trimmable backing plate



VIDEO

TRIMFIX® HellFire® CERAMIC HYBRID FABRIC



Extremely hard, tough steel, such as Leopard 2 armored conduit (see photo) can be machined without any problems and with perfect results.

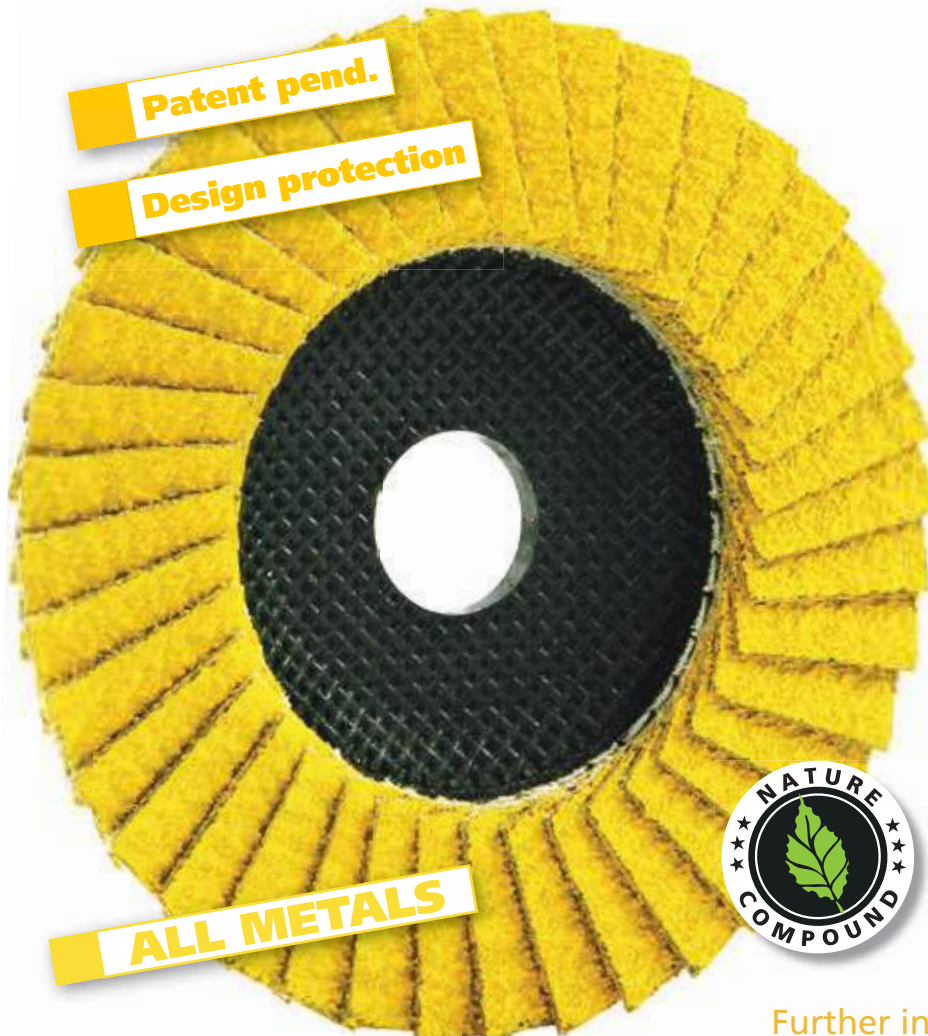


TRIMFIX® HellFire® guarantees first-class working results on all metals without loss of performance, even on titanium (see photo).

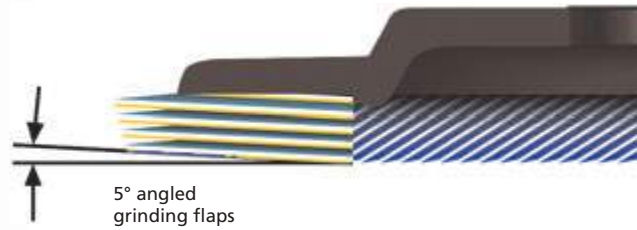


Patent pend.

Design protection



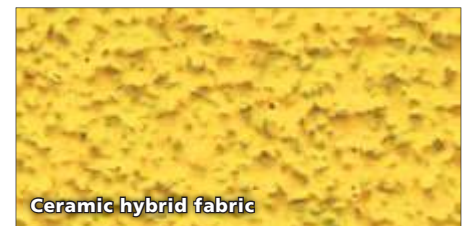
ALL METALS



5° angled grinding flaps



FLEXIBLE



Ceramic hybrid fabric

Technical data

Dimensions	Ø 100, 115, 125, 150, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grit	Multigrain 40 / 60
Backing plate	Natural fiber

Further information at: www.trimfix.de



Unbeatable

in price/performance
ratio

TRIMFIX® ZIRCOPUR® HIGH TECH ZIRCONIUM CLOTH

For a **universal** grinding solution
mostly **on steel up to stainless steel.**

Quality flap disc with identical, revolutionary backing plate technology such as TRIMFIX® HellFire®, fitted with high-tech zirconium cloth for first-class processing results on STEEL and INOX at an unbeatably favorable price. Thanks to the viscoelastic backing plate made of natural fiber compound, the disc adapts perfectly to the workpiece surface.

- Zirconium cloth for high grinding performance on STEEL/INOX
- Backing plate made of environmentally-friendly natural fiber compound
- Trims itself during grinding (grinding right down to the last grain)
- Clean surface finish thanks to viscoelastic backing plate
- Slightly angled (5° angle)
- Vibration-damped and heat-absorbing backing plate (natural fiber)



Optimum removal performance and clean surface finish thanks to viscoelastic backing plate



Even when in constant use, absolutely simple and cool grinding thanks to the vibration-damped and heat-absorbing backing plate

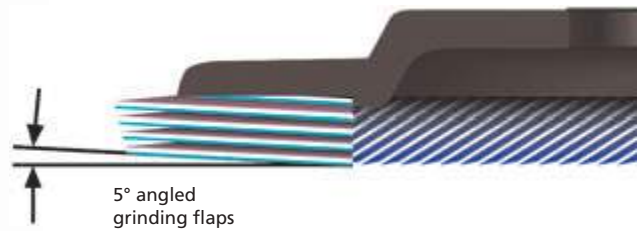
Z TRIMFIX ZIRCOPUR



Patent pend.



STEEL/STAINLESS STEEL



Technical data	
Dimensions	Ø 100, 115, 125, 150, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grains	40, 60, 80, 120
Backing plate	Natural fiber



PLANTEX®

COOL TOP® UNIVERSAL

Longlife high tech pure zirconium flap disc
with **grinding additives**.

Especially universal due to pure zirconium
on pure cotton cloth.

- **PLANTEX® COOL TOP® UNIVERSAL** – Multiple awarded flap disc with nature fibre backing plate
- **PLANTEX® COOL TOP® UNIVERSAL** – Very good working results while deburring
- **PLANTEX® COOL TOP® UNIVERSAL** – Perfect for flat surface grinding
- **PLANTEX® COOL TOP® UNIVERSAL** – No clogging of disc while grinding thanks to the unique combination of pure zirconium grain on pure cotton cloth
- **PLANTEX® COOL TOP® UNIVERSAL** – Very long service life thanks to pure zirconium cloth with grinding additives
- **PLANTEX® COOL TOP® UNIVERSAL** – Clearly noise reduced thanks to high natural fiber content
- **PLANTEX® COOL TOP® UNIVERSAL** – The grain wear down equally and sharp themselves while grinding
- **PLANTEX® COOL TOP® UNIVERSAL** – Best working results on steel and stainless steel



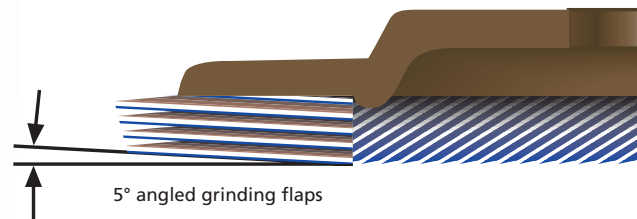
Some of the prizes and awards Eisenblätter has received for PLANTEX® COOL TOP® UNIVERSAL.

PLANTEX®
COOL TOP® UNIVERSAL



Patented

STEEL/STAINLESS STEEL



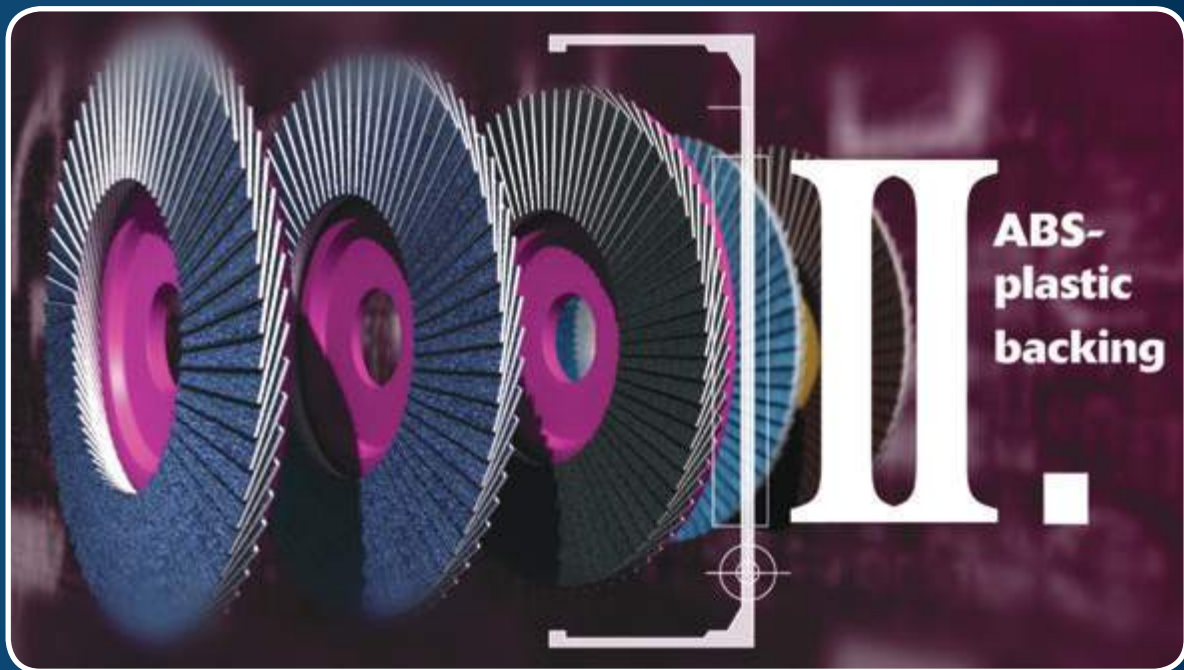
Technical data	
Dimensions	Ø 100, 115, 125, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 60, 80, 120
Backing plate	Natural fibre

MAGNUM®

ABS PLASTIC BACKING PLATE

Ideal work piece adjustment
thanks to elastic backing plate.

For best grinding results.



Larger grinding surface, lower grinding temperature
and cooler grinding behavior.

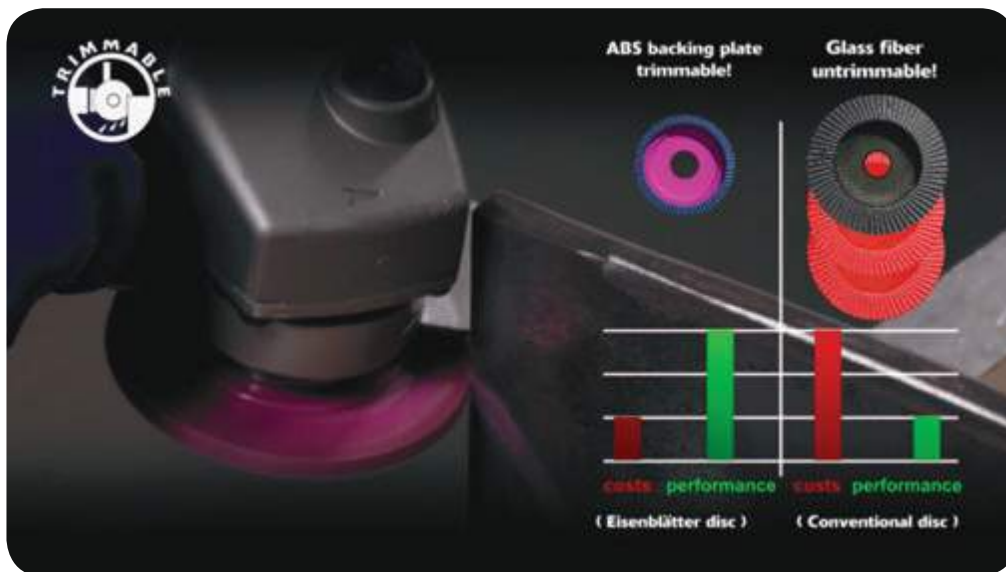
MAGNUM® discs:

The original only by Eisenblätter!

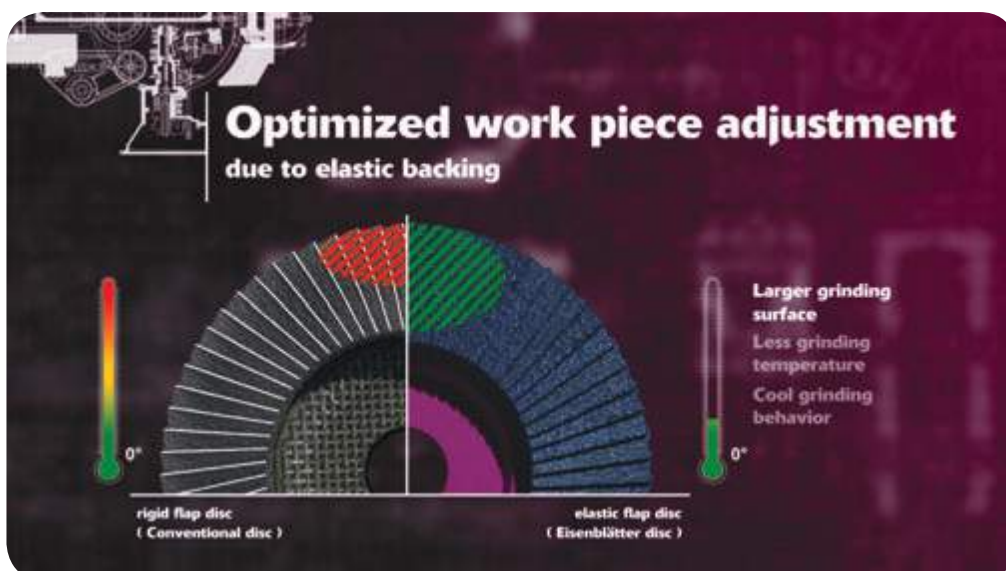
Considerably high quantity of grinding cloth.
For decades globally successful, thanks to very
good grinding performance and extremely long
service life.



Eisenblätter ABS plastic backing plates are made of food grade special ABS plastic and are free of mineral fibers and glass fibers. Compared with conventional grinding discs made of fiberglass and a rigid support plate, ABS grinding disc of Eisenblätter have profound advantages: Due to the elasticity of the ABS backing plate an ideal work piece adjustment is guaranteed. The result is a larger grinding surface, a lower grinding temperature and a cooler grinding behavior. These properties make far better work results possible when compared to grinding discs with conventional glass-fiber backing plate.



Another very important advantage of the ABS backing plate of Eisenblätter is the trimmability: Unlike glass fibers, the Eisenblätter backing plates can be trimmed. This means that the backing plate can be reduced in diameter while grinding: The complete abrasive cloth of the discs can be thus used while grinding, whereas conventional flap discs with glass fiber backings lose their performance potential very fast when grinded until the outer edge of the hard backing.



More performance for your money: The trimmability of the ABS backing plate and the properties listed above have the result that the Eisenblätter discs with backing plates made of ABS plastic can be used more effectively and cost-efficient than conventional discs with fiberglass backing plate - and at a high level of performance with excellent working results. Each disc can be used considerably longer thanks to the ability to trim, which has a positive effect on the purchase costs.



MAGNUM® COOL TOP® 5

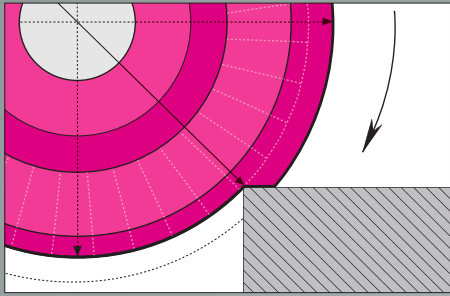
Zircopur-high performance flap disc
Ideal for steel fabrication, ship-building, etc.

The power pack!

- **MAGNUM® COOL TOP® 5** – Longer, faster and more efficient grinding.
- **MAGNUM® COOL TOP® 5** – The powerful zirconium flap disc with a backing plate made of food-safe plastic.
- **MAGNUM® COOL TOP® 5** – New abrasive composition, RZ zirconium plus cooling agent, guarantees massive benefits compared to conventional flap discs:
Often up to 50% faster to remove material, much longer service life compared to conventional flap discs and cooler grinding due to additional cooling agents.
- **MAGNUM® COOL TOP® 5** – For universal use for steel, cast iron and non-ferrous metals. Can also be used for stainless steel. For surface and edge grinding, coarse and intermediate grinding, treating fillet welds, rust removal, deburring and cleaning castings.
- **MAGNUM® COOL TOP® 5** – Replaces not only fibre but also scrubbing discs in many businesses.

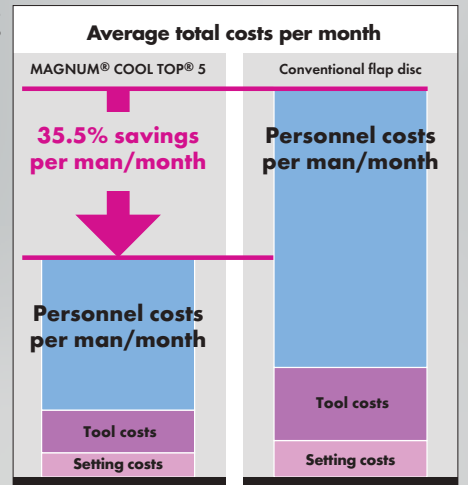
Its high material removal and excellent service life make the MAGNUM® COOL TOP® 5 not only the better but also by far the lower cost solution.

Trimming by cutting allows the disc to be used down to the last millimetre.



MAGNUM®
COOL TOP® 5

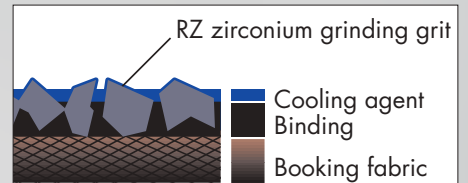
Extensive practical and robot tests have shown the superiority of the MAGNUM® COOL TOP® 5 in terms of material removal, service life and cost savings.



High material removal due to new abrasives composition and maximum quantity of grinding cloth.



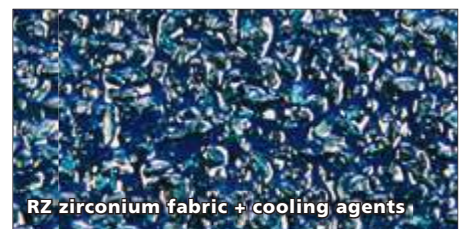
(very good)



MAGNUM® Cool Top® 5

NEW

Enhanced backing plate



Technical data

Dimensions	Ø 115, 125, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 60, 80, 120
Backing plate	ABS plastic

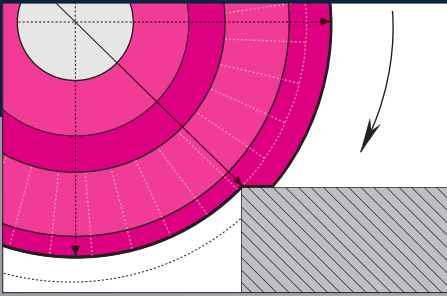
STEEL/STAINLESS STEEL



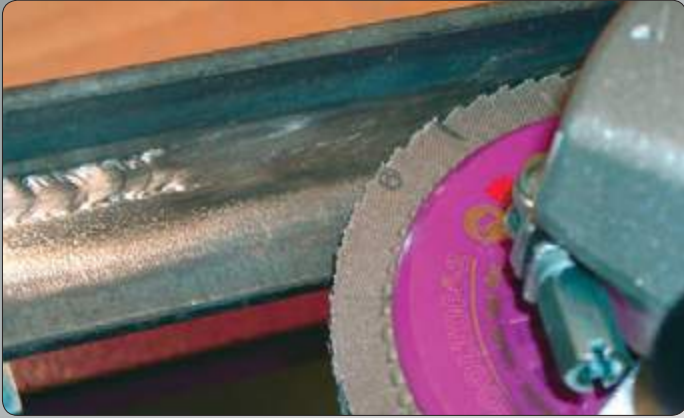
MAGNUM® FILLET WELD

The **problem solver** in corners
with large flap overhang.

- **MAGNUM® FILLET WELD** – For the perfect, low cost treatment of welds in corners, edges and fillet welds.
- **MAGNUM® FILLET WELD** – The large flexible overhang of the grinding flaps over the backing plate adjusts perfectly to the shape of a fillet weld.
- **MAGNUM® FILLET WELD** – Soft transitions on corner welds.
- **MAGNUM® FILLET WELD** – Clean; groove-free results.
- **MAGNUM® FILLET WELD** – The same grinding performance and service life as the MAGNUM® COOL TOP® 5.
- **MAGNUM® FILLET WELD** – Backing plate made of food-safe plastic.
- **MAGNUM® FILLET WELD** – New abrasive composition, RZ zirconium plus cooling agent, guarantees massive benefits compared to conventional flap discs: **Often up to 50% faster to remove material, much longer service life compared to conventional flap discs and cooler grinding due to additional cooling agents.**



Trimming by cutting allows the disc to be used down to the last millimetre.



Perfect for rounding welds in corners.



Large overhanging flaps guarantee soft transitions and easy access in corners.

MAGNUM® FILLET WELD

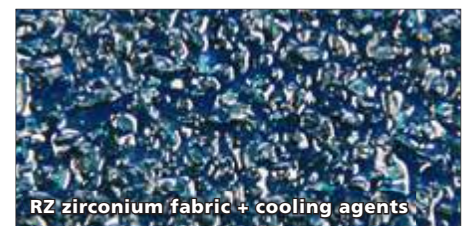
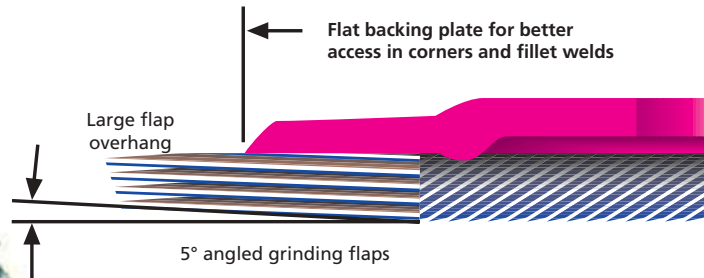


NEW

Enhanced
backing plate



STEEL/STAINLESS STEEL



Technical data	
Dimensions	Ø 125 mm
Maximum speed	12,200 rpm
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 60, 80, 120
Backing plate	ABS plastic



MAGNUM® PLATINUM FLAT

Put an end to a wide range.

One for all thanks to ceramic-hybrid fabric!

- **MAGNUM® PLATINUM FLAT** – Massive time savings thanks to the highly aggressive multi-hybrid grinding fabric.
- **MAGNUM® PLATINUM FLAT** – First multi-functional flap disc in the world for all metals.
- **MAGNUM® PLATINUM FLAT** – Innovative principle: Multigrain grinds like 40 grit, but delivers a finish like 50 - 60 grit.
- **MAGNUM® PLATINUM FLAT**– Excellent safety with maximum material removal.
- **MAGNUM® PLATINUM FLAT** – Minimum stocks – replaces a wide range of flap discs.
- **MAGNUM® PLATINUM FLAT** – Multi-hybrid grinding fabric prevents heat deformation and discoloration.
- **MAGNUM® PLATINUM FLAT** – The powerful flat flap disc with a backing plate made of food-safe plastic.
- **MAGNUM® PLATINUM FLAT** – High strength and low weight.
- **MAGNUM® PLATINUM FLAT** – Excellent form stability yet elastic.
- **MAGNUM® PLATINUM PLAN** – Superior service life thanks to extra high amount of grinding fabric.



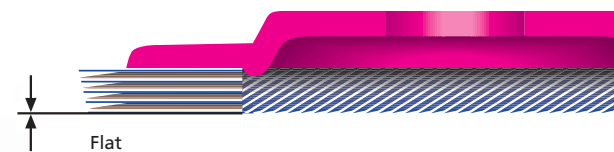
High performance on all metals:

- INOX
- Steel
- Aluminium
- Titanium
- Bronze
- Brass etc.

MAGNUM® Platinum
ALL METAL HYBRID



NEW
Enhanced backing plate



Technical data

Dimensions	Ø 115, 125 mm (flat)
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40/60 multigrain
Backing plate	ABS plastic

ALL METALS



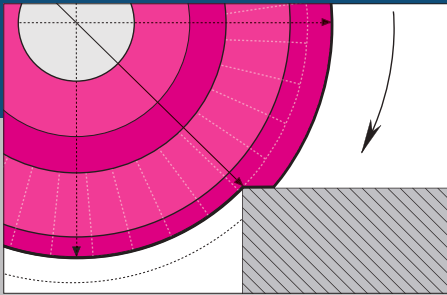
MAGNUM® CERAMIC CERAMIC HIGH PERFORMANCE FLAP DISC

Ceramic high performance flap disc
with vast stock removal rate on metals
with hard machining characteristics

- **MAGNUM® CERAMIC** – Advanced high performance ceramic fabric for maximum power.
- **MAGNUM® CERAMIC** – Extreme removal – time saving ratio on steel, stainless steel, titanium and bronze.
- **MAGNUM® CERAMIC** – Extra ordinary cool grinding behavior avoids heat discoloration.
- **MAGNUM® CERAMIC** – Glass fiber free, trimmable special ABS plastics backing plate.
- **MAGNUM® CERAMIC** – Elastic backing grants better adaption to the work piece as well as finer finishing for less rework.
- **MAGNUM® CERAMIC** – Slightly angled (5°) for more grinding surface.
- **MAGNUM® CERAMIC** – Completely usable due to trimmable backing.
- **MAGNUM® CERAMIC** – Damping and noise reduced due to elasticity.
- **MAGNUM® CERAMIC** – Superior service life thanks to extra high amount of grinding fabric.

MAGNUM® CERAMIC

Ceramic high performance flap disc



Trimming by cutting allows the disc to be used down to the last millimetre.

With a maximum of stock removal rate and highly degreasing grinding temperature time-intensive and cost-intensive work processes can be reduced and saved. An enhanced universal ceramic fabric grants highest grinding performance, even on metals with hard machining characteristics. Ideal for stainless steel, steel titanium and bronze alloyings.



TOP on titanium



TOP on stainless steel



TOP on steel

MAGNUM® CERAMIC

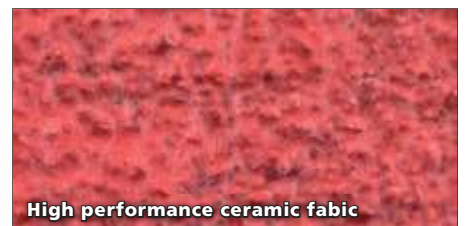
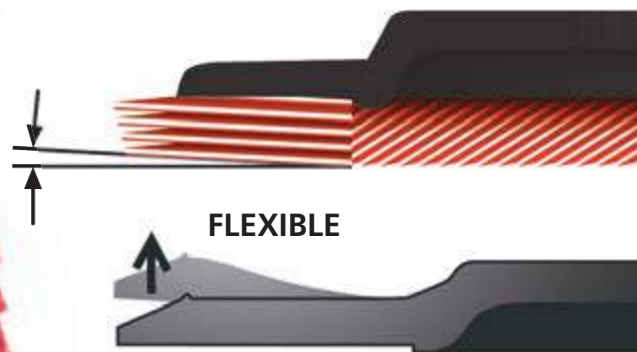
NEW

Enhanced backing plate



ALL METALS

TITANIUM / STAINLESS STEEL / STEEL / BRONZE



High performance ceramic fabric

Technical data

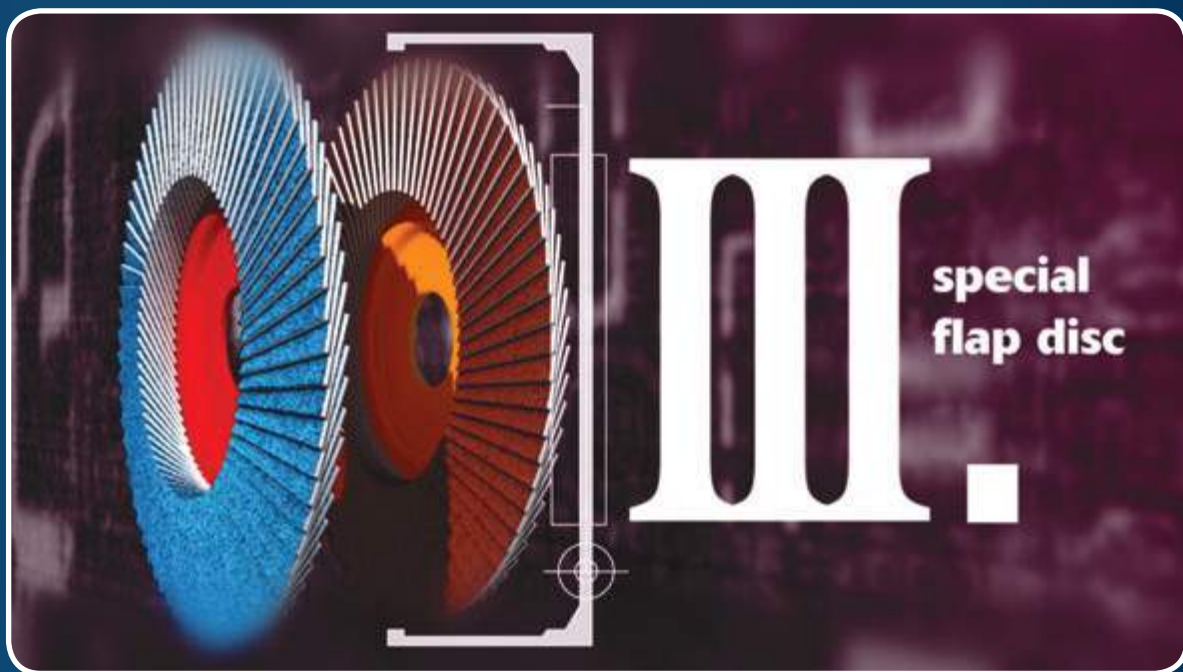
Dimensions	Ø 115, 125, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 50, 60, 80
Backing plate	ABS plastic

EISENBLÄTTER

SPECIAL GRINDING FLAP DISCS

Special application areas require special grinding flap discs.

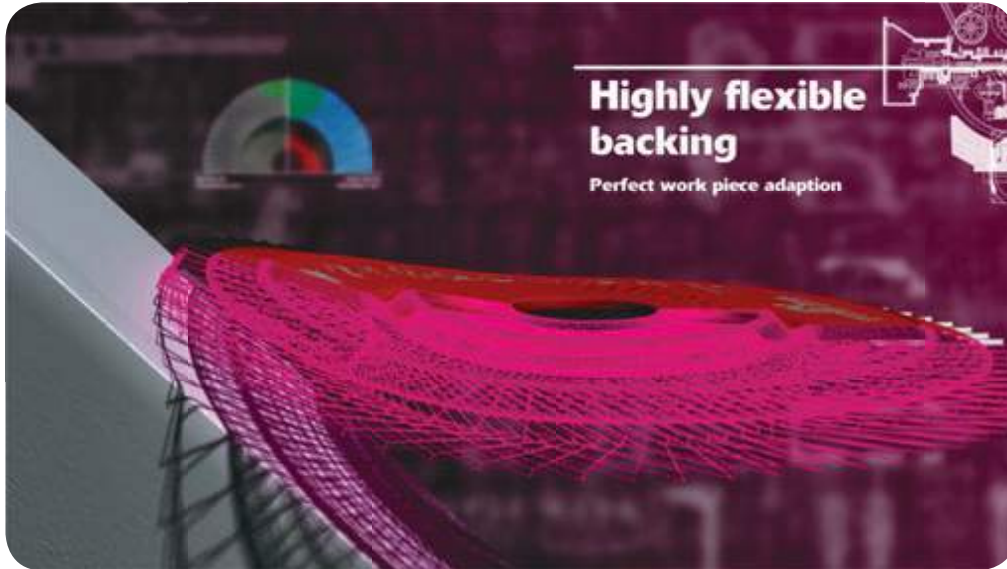
Superior in their profession.



The benchmark for sheet metal and aluminum grinding.

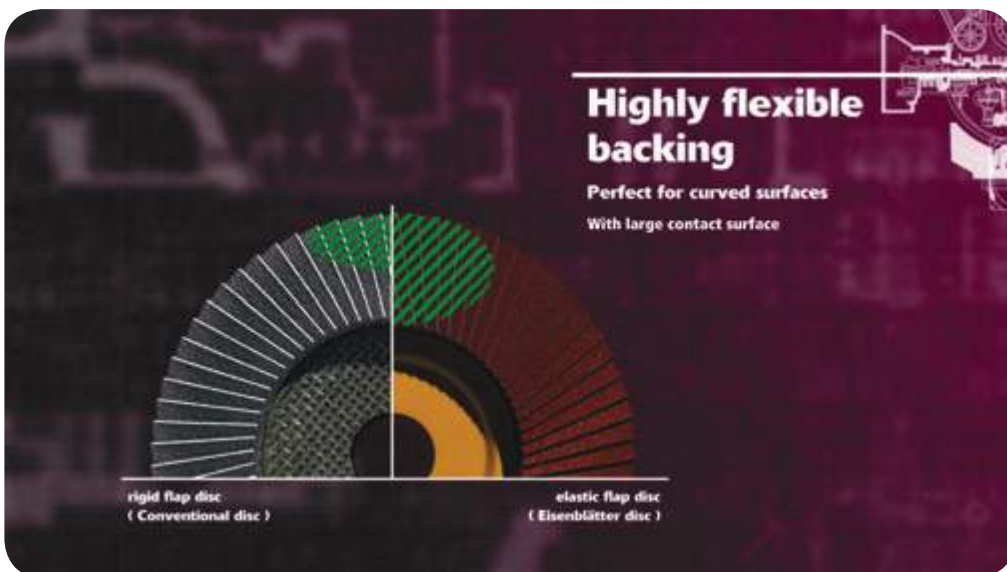
Solely at Eisenblätter!

Backing plate made of food safe special plastic free of mineral and glass fiber.

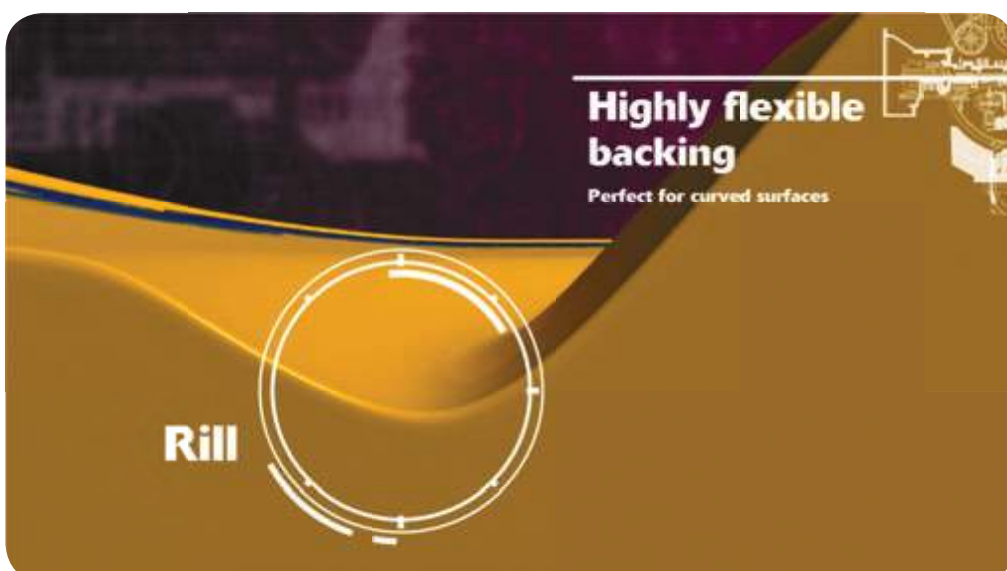


The two ABS plastic grinding flap discs BLUE SHARK® and TIGER SHARK® are the “specialists” in the grinding flap disc range of Eisenblätter:

While BLUE SHARK® was specially designed for sheet metal grinding, TIGER SHARK® is reckoned to be unmatched in the field of aluminum grinding. The grinding cloth for both flap discs was specially designed for their application.



BLUE SHARK® and TIGER SHARK® can go strong on the same advantages of the other grinding flap discs from Eisenblätter with ABS backing. The backing is free of mineral and glass fiber and is trimmable that means the backing plate can be reduced in diameter: The complete abrasive cloth of the discs can be thus used while grinding, whereas conventional flap discs with glass fiber backings lose their performance potential very fast when grinded until the outer edge of the hard backing.



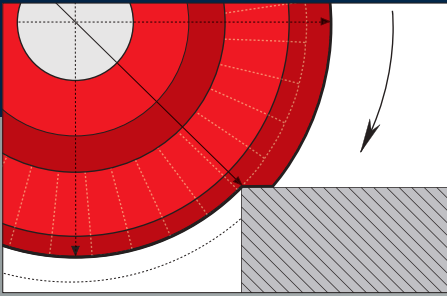
The specialty of those two ABS plastic grinding discs BLUE SHARK® and TIGER SHARK® is an extra flat backing plate and the technical groove encircling the inner diameter of the disc: This “rill” inside the surface of the backing plate itself makes for greatly improved flexibility. Positive assets of this feature of high flexibility are greater grinding surface, less heat and a cooler grinding behavior.



BLUE SHARK® ELASTIC

KWS zirconium grinding fabric ideal
for grinding **sheet metal**.

- **BLUE SHARK® ELASTIC** – Highly elastic, springing flap disc with a low design height.
- **BLUE SHARK® ELASTIC** – Prevents workpiece tarnishing to a large extent.
- **BLUE SHARK® ELASTIC** – For incredibly smooth and flat surfaces and for surface grinding on large surfaces.
- **BLUE SHARK® ELASTIC** – Ideal for grinding sheet metal due to its cooler grinding.
- **BLUE SHARK® ELASTIC** – The high elasticity of the backing plate allows the grinding disc to adjust superbly to the workpiece surface. The effective contact surface area is larger ensuring that the heat dissipation is considerably higher.
- **BLUE SHARK® ELASTIC** – Backing plate made of food-safe elastic ABS special plastic – easy to trim.
- **BLUE SHARK® ELASTIC** – Much longer service life compared to conventional flap discs.



The first highly elastic flap disc in the world for excellent adjustment to the workpiece.

Trimming by cutting allows the disc to be used down to the last millimetre.



Large contact area due to high elasticity.



High material removal due to new abrasives composition.

BLUE SHARK®
elastic flap disc

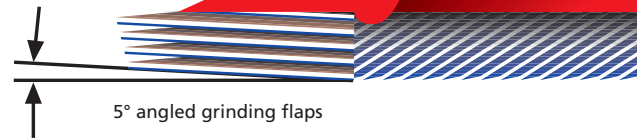


NEW

Enhanced backing plate



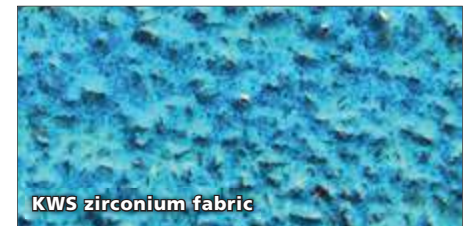
Flat backing plate ideal in corners.



5° angled grinding flaps

HIGHLY FLEXIBLE

Special rill for more flexibility



KWS zirconium fabric

Technical data

Dimensions	Ø 115, 125, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 60, 80, 120
Backing plate	ABS plastic

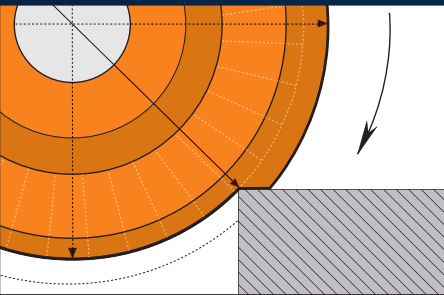


TIGER SHARK®

ELASTIC

Ideal for grinding aluminium.

- **TIGER SHARK®** – Unbeatable for aluminium grinding.
- **TIGER SHARK®** – No smearing of the grinding disc.
- **TIGER SHARK® + ALU-FIX OIL** – Up to 300 % more material removal capacity.
- **TIGER SHARK® + ALU-FIX OIL** – Up to three times longer service life.
- **TIGER SHARK®** – Visibly better grinding results.
- **TIGER SHARK®** – Elastic backing plate adjusts largely to the workpiece.
- **TIGER SHARK®** – High material removal with reduced grinding temperature.
- **TIGER SHARK®** – Special corundum grinding fabric.
- **TIGER SHARK®** – Also ideal for steel and non-ferrous metals.
- **TIGER SHARK®** – High grinding capacity with low abrasives costs.
- **TIGER SHARK®** – Deal for curved surfaces and shaped parts, for example car body, motor workshops, wagon and tool making.
- **TIGER SHARK®** – Trimmable backing plate made of food-safe plastic.



Special flap disc for aluminium.

TIGER SHARK®
ELASTIC

Trimming by cutting allows the disc to be used down to the last millimetre.



Perfect for grinding aluminium.



Large contact area due to high elasticity.



Kangaroo ALU-FIX OIL

A new level for grinding aluminium. Simply apply to the workpiece. Produces up to 300% more material removal and up to three times longer service life.

TIGER SHARK® elastic flap disc



NEW

Enhanced
backing plate

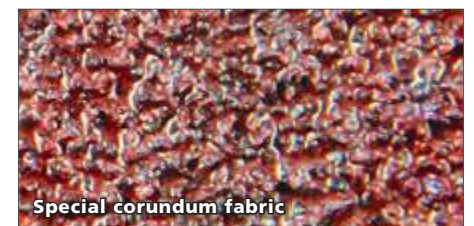


Flat backing plate
ideal in corners



5° angled grinding flaps

HIGHLY FLEXIBLE Special rill
for more flexibility



Special corundum fabric

Technical data

Dimensions	Ø 115, 125, 178 mm
Maximum speed	13,200 rpm (Ø 115 mm)
Ideal speed	5,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 60, 80, 120
Backing plate	ABS plastic



ZIRCOTEX® NYLON FLAT

The legendary flat flap disc.
Ideal for grinding welds
for steel fabrication.

- **ZIRCOTEX® Nylon** – Extremely wide flaps (30 mm with Ø 115 mm) improve heat conduction and increase the cooling effect.
- **ZIRCOTEX® Nylon** – Up to 50 times longer service life compared to conventional fibre discs.
- **ZIRCOTEX® Nylon** – For scrubbing, smoothing, dressing welds and spot welds.
- **ZIRCOTEX® Nylon** – Very thick abrasive coating for long service lives.
- **ZIRCOTEX® Nylon** – For all metallic materials, such as steel, cast, non-ferrous metals, aluminium, etc.
- **ZIRCOTEX® Nylon** – Grinding fabric made of zirconium with double layer of flaps.
- **ZIRCOTEX® Nylon** – Double layer of flaps for particularly aggressive grinding properties.

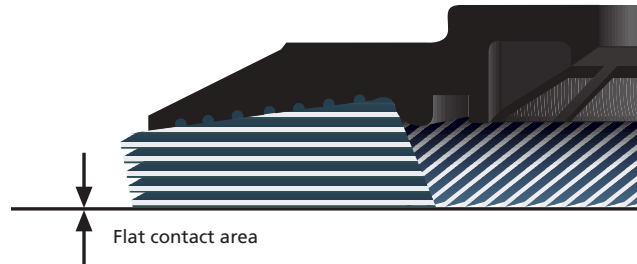


Flat support surface for perfect weld transitions on external edges. Ideal for tank and control cabinet manufacturing.

ZIRCOTEX® Nylon Plan



STEEL/STAINLESS STEEL



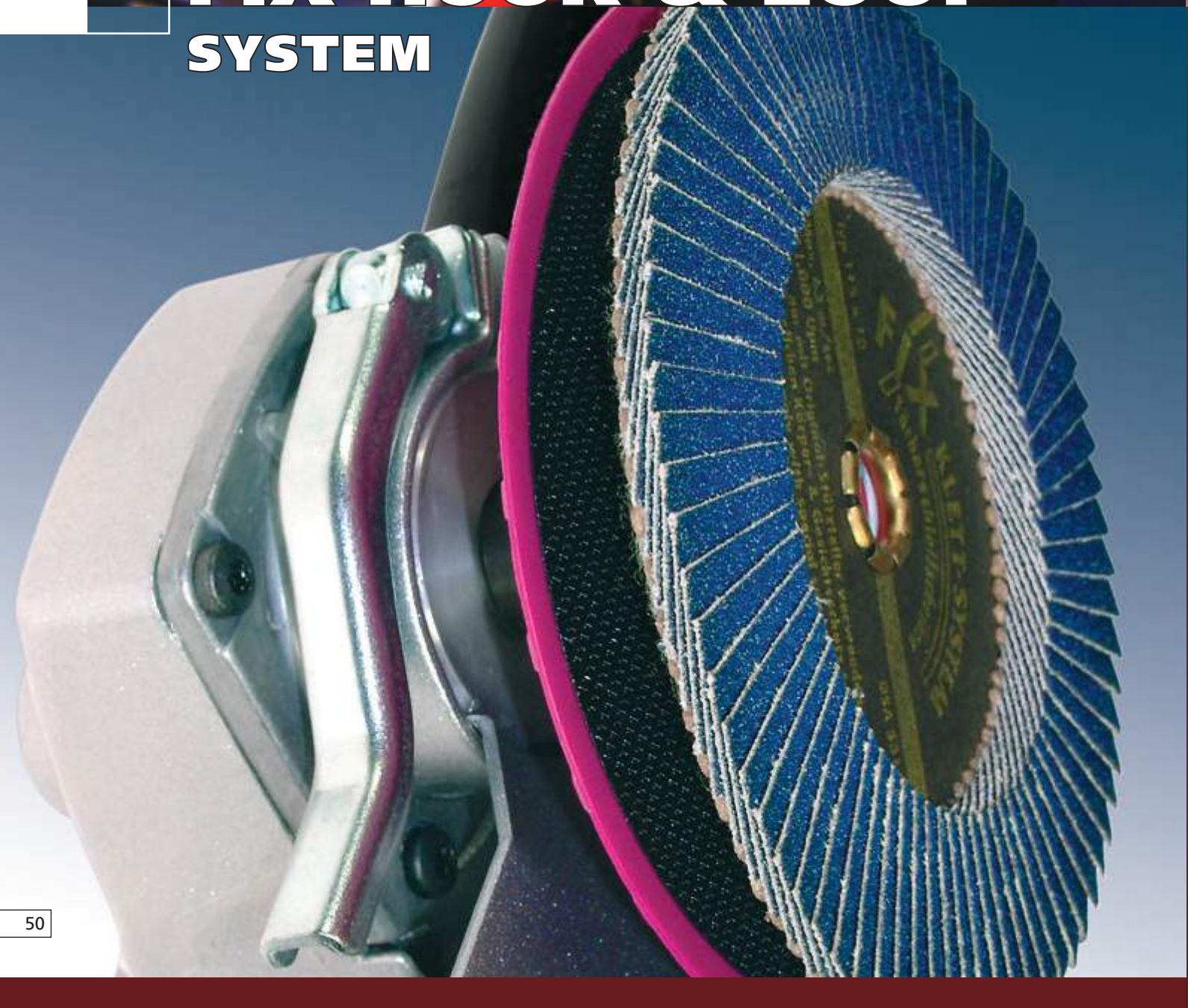
Accessories:
Conical clamp nut for the perfect mounting of Zircotex® Nylon.



Technical data	
Dimensions	Ø 115 mm
Maximum speed	13,200 rpm
Ideal speed	7,000 rpm to 8,000 rpm
Approval	80 m/sec DIN EN 13743
Grits	40, 50, 60, 80, 120
Backing plate	Nylon plastic



FIX HOOK & LOOP **SYSTEM**





**Highly flexible grinding
for perfect adjustment to the workpiece.**



**Clicks. And grinds. And polishes. And cleans.
And lots more besides.**



FIX HOOK & LOOP SYSTEM

The elastic FIX HOOK & LOOP special adhesive backing plate with centring journal guarantees 100 % concentricity every time for all FIX HOOK & LOOP abrasives.

The overhang system allows all grinding and polishing abrasives to be used completely – even in corners.

- **FIX HOOK & LOOP System** – With highly elastic backing plate.
- **FIX HOOK & LOOP System** – For out-standing grinding quality from coarse grinding to a mirror finish.
- **FIX HOOK & LOOP System** – An essential grinding system for all sheet metalworkers.
- **FIX HOOK & LOOP System** – 100 % concentricity of the grinding discs and secure hold using centring journal.
- **FIX HOOK & LOOP System** – The ideal grinding system if you need to change abrasives frequently, for example in the motor trade, inox processors and repair workshops.
- **FIX HOOK & LOOP System** – Massive savings in time due to very fast disc changing.
- **FIX HOOK & LOOP System** – Complete abrasives range for coarse and fine grinding, pre-polishing, polishing to a mirror finish and for cleaning.
- **FIX HOOK & LOOP System** – Requires speed-controlled angle grinder (such as the VARILEX®).

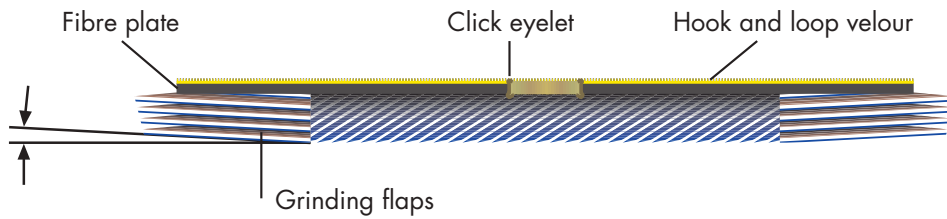
CLICK!

FIX HOOK & LOOP
System



DID YOU KNOW ...

... that elastic **FIX HOOK & LOOK flap discs** from Eisenblätter produce one of the **best grinding results** of all flap discs on the market? This is made possible by their excellent capacity to adjust to the workpiece.



The "overhang system" and the plate made of environmentally friendly cellulose ensure that the entire grinding flap width can be used to the full. When the overhang of the grinding disc has worn down to the edge of the backing plate, simply use the next smaller backing plate.



Special adhesive backing plate

NEW



Improved special-backing pad for FIX-Hook and Loop system

Newly optimized backing pad with better tolerance compensation of all FIX-Hook and Loop tools, longer disc overhang and highly improved elasticity.

Application: For FIX HOOK & LOOP abrasives: Flap disc, Zirconium disc, Clean disc, FLEECE TOP disc, SC fleece disc, Merino felt disc, SuperPolish disc and AluPolish disc.

Dimensions: Ø 96 mm, Ø 110 mm, Ø 119 mm, Ø 143 mm, Ø 168 mm; With M14, M10 or 5/8" thread

NEW

HellFire® Flap disc

With new highly aggressive Ceramic-Hybrid grinding fabric: Saves lots of time, prevents heat deformation and discolouration and grinds like grit 40 but supplies a finish like grit 50-60. Adjusts easily to any workpiece shape – top grinding results due to its high elasticity. New flap arrangement guarantees maximum material removal.

Application: Coarse grinding, dressing castings and welds, removing scratches.

For use on the following materials: All metals

Dimensions: Ø 125 mm, Ø 150 mm

Grit: 40/60 Multigrain

Max. Speed: 9,600 rpm (for Ø 125 mm)

Ideal speed: 5,000 rpm – 7,000 rpm

High performance on all metals:

- INOX
- Steel
- Aluminium
- Titanium
- Bronze
- Brass etc.

HELLFIRE
FIX-KLETT®



Flap disc (Pure zirconium)

With pure zirconium abrasives. High material removal capacity, extremely long service life, uniform clean finish without material discolouration and smearing. Highly elastic, adjusted to any workpiece shape.

Application: Coarse grinding, dressing castings and welds, removing scratches.

For use on the following materials: Steel, stainless steel

Dimensions: Ø 115 mm, Ø 125 mm, Ø 150 mm

Grit: 40, 60, 80, 120

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 5,000 rpm – 7,000 rpm



Zirconium disc

Grinding fabric disc offering outstanding grinding capacity.

Application: Coarse and final grinding, levelling welds, removing scratches, ideal for motor bodies and motor workshops.

Dimensions: Ø 115 mm, Ø 150 mm

For use on the following materials: Steel, stainless steel

Grit: 40, 60, 80, 120

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 5,000 rpm – 10,000 rpm



FLEECE TOP disc

Foamed, compressed fleece, approx. 15 mm thick, up to 8 times the service life of fleece discs (does not smear). **Now with 30 mm fleece width!**

Application: Final grinding and pre-polishing in continuous use.

Dimensions: Ø 115 mm

For use on the following materials: Steel, stainless steel, aluminum, wood

Grit: 80, 180, 280, 400, 600, 900

Max. Speed: 8,000 rpm

Ideal speed: 2,000 rpm – 5,000 rpm



Clean disc

Application: Cleaning and pore-deep removal of coatings, rust, scale and dirt on all materials. Same effect as sand-blasting; cleans without removal material. Material thickness approx. 13 mm.

Ideal for motor bodies and the motor industry and for renovation work for painters and builders.

Dimensions: Ø 115 mm, Ø 150 mm

For use on the following materials: All metals, wood, bricks

Max. Speed: 5,000 rpm (for Ø 115 mm)

Ideal speed: 2,000 rpm – 4,500 rpm

Special adhesive damping adapter

FIX HOOK & LOOP System



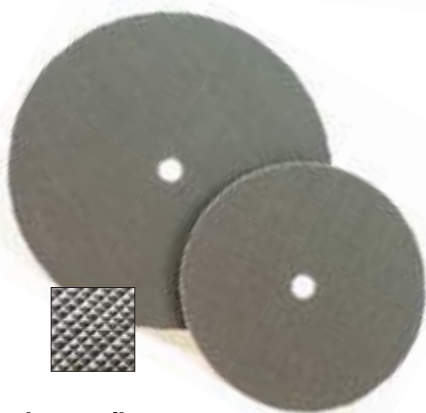
Application: 6 mm thick damping adapter to use on the special backing pads with Trizact™ discs, SC Fleece discs, AluPolish discs, SuperPolish discs and Merino felt discs. The centring journal is visible due to the inner hole to ensure that the disc can be precisely centred.

Dimensions: Ø 60 mm, 110 mm and Ø 143 mm

Now with harpoon hook and loop for even better hold.



■ Abrasives for FIX HOOK & LOOP special adhesive damping adapter



Trizact™ disc

Application: New type of grinding fabric with pyramid-shaped grit structure, high material removal with very fine finish. Saves several work cycles. Additional absorption layer reduces the grinding temperature. Pre-polishing for later polishing to a mirror finish, removing scratches and spot welds.

Dimensions: Ø 115 mm, Ø 150 mm

For use on the following materials: All metals
Grit: A160, A100, A65, A45, A30, A16, A06

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 4,000 rpm – 6,000 rpm



SC fleece disc

Application: Ideal for removing oxide coatings, deburring and final grinding on stainless steel, steel, non-ferrous metals or sanding between coatings on wood, rigid plastics, etc.

Dimensions: Ø 100 mm, Ø 115 mm, Ø 125 mm, Ø 150 mm, Ø 178 mm

For use on the following materials: All metals
Grit: 1FOR2, coarse, medium, fine, superfine

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 4,000 rpm – 6,000 rpm

Trizact™ grit comparison table

Trizact™ grit	A160	A100	A65	A45	A30	A16	A06
Result corresponds to grit	120	220	280	400	600	1,200	2,000
Material removal corresponds approx. to grit	24	36	40	50	60	80	120

NEW 1FOR2

SC fleece comparison table

Type	1FOR2 (green)	Coarse (brown)	Medium (red)	Fine (blue)	Super-fine (grey)
Corresponds approx. to grit	40	80	180	280	400



AluPolish disc (for pre-polishing)

Application: Soft nylon fleece material for pre-polishing aluminium and soft materials for a perfect mirror finish.

Dimensions: Ø 115 mm, Ø 150 mm

For use on the following materials: Aluminum

Grit: Super-fine

Max. Speed: 4,000 rpm (for Ø 115 mm)

Ideal speed: 2,000 rpm – 3,500 rpm



SuperPolish disc

Application: 5 mm thick revolutionary special nylon fleece, used with polishing pastes and cream for a brilliant mirror finish on stainless steel and non-ferrous metals without smearing and shadows. Very absorbent and does not smear. Ideal for pre-polishing all metals. Use in conjunction with polishing pastes and cream.

Dimensions: Ø 115 mm, Ø 150 mm, Ø 178 mm

For use on the following materials: Stainless steel, non-ferrous metals

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 3,000 rpm – 6,000 rpm



Merino felt disc

Application: Polishing stainless steel and non-ferrous metals to a mirror finish. Use in conjunction with polishing pastes and cream.

Dimensions: Ø 100 mm, Ø 115 mm, Ø 125 mm, Ø 150 mm, Ø 178 mm

For use on the following materials: Stainless steel, non-ferrous metals, hard plastic

Max. Speed: 10,500 rpm (for Ø 115 mm)

Ideal speed: 3,000 rpm – 6,000 rpm

FIX HOOK & LOOP

System

- Reduces costs with maximum versatility with speed-controlled angle grinders



VARILEX® WSF 1800

1,750 W,
Speed 2,000 - 7,600 rpm

→ 124



VARILEX® WSF 900 DUO

850 W,
Speed 2,000 - 5,000 rpm

→ 132



VARILEX® WSF 905

850 W,
Speed 2,000 - 8,000 rpm

→ 129

Perfect working speeds increase the service life of the grinding disc. They reduce noise, prevent heat deformation, improve workpiece adjustment and allow improved processes from coarse grinding to a mirror finish.



EXTRAORDINARY DISCS FOR SPECIAL WORKS

Each one an individual specialist
in its field.



Cleaning, final grinding, rust removal,
deburring and pre-polishing



FLEECE-FLAP

1FOR2

2 working steps with one disc:

Weld seam removal and fine grinding in one working step (e.g. on stainless steel tubes)

World exclusive: The newly developed SC-fleece material by Eisenblätter allows exclusively weld seam and weld spot removal on stainless steel tubes or others, while remaining a considerably fine grinding pattern. This advantage was known previously only by two-component flap discs (SC-fleece + grinding cloth) where however a disadvantage

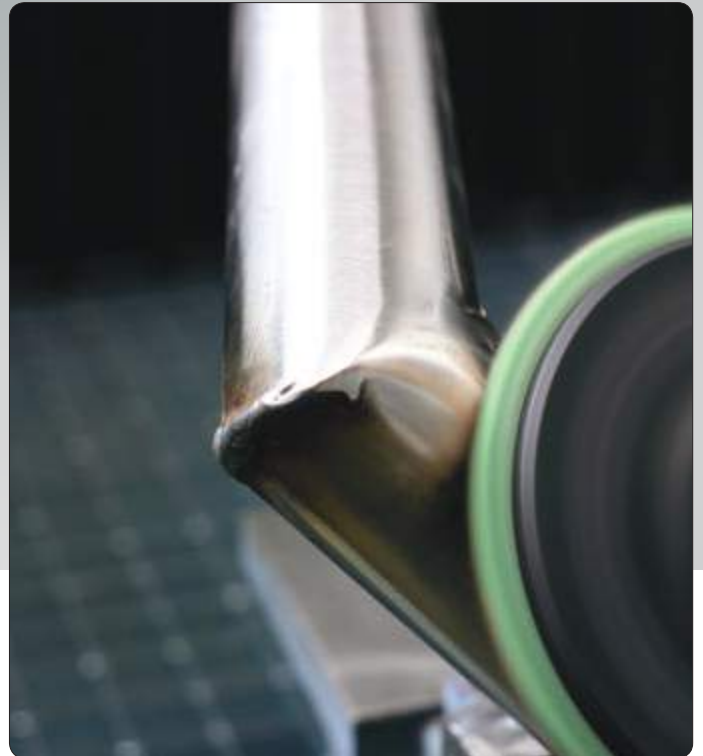
could be unequal lamella wear and therefore an uneven grinding pattern. With the latest FLEECE FLAP 1FOR2 you reach a smoother and more equal grinding pattern at a considerable cost-saving potential.

- **FLEECE-FLAP 1FOR2** – The new SC-fleece grain mixture assembled on a viscoelastic nature fiber backing plate stands out for improved work piece adjustment. The disc is ideal for tough removal works as well as for fine grinding.
- **FLEECE-FLAP 1FOR2** – Removes thin weld seams e.g. on tubes, without damaging the surrounding material with scratches and dents or putting the surface into an inappropriate surface roughness (RA). A quick and trouble-free further processing to high-gloss and mirror-finish is then possible at any time.
- **FLEECE-FLAP 1FOR2** – Easy and clean removal of medium deep scratches and other surface imperfections.
- **FLEECE-FLAP 1FOR2** – Clearly cheaper than comparable two-component discs
- **FLEECE-FLAP 1FOR2** – Less working steps than using conventional two-component discs: time and cost savings
- **FLEECE-FLAP 1FOR2** – Perfect also for edge deburring, cast cleaning eg.
- **FLEECE-FLAP 1FOR2** – Adapts thanks to its increased flexibility to the work piece and creates soft grinding patterns with cool grinding behavior (avoiding discoloration)
- **FLEECE-FLAP 1FOR2** – Allows in shortest time and with less working steps high-gloss and mirror finish (e.g. with tools from BLUE SHARK FLEECE FLAP or FIX-Hook and Loop system)
- **FLEECE-FLAP 1FOR2** – The backing pad is self-trimming, there for a more efficient use of the outer diameter material is possible

Stainless steel weld seam removal and fine grinding in one working step.

FLEECE-FLAP
1FOR2

Removes even thin welds for example on pipe constructions with simultaneous surface smoothing. Does not damage the surrounding material.



FLEECE FLAP **1FOR2**



Technische Daten

Dimensions	Ø 125 mm, Internal borehole 22,2 mm
Maximum speed	12,200 rpm EN 13743
Ideal speed	2,000 rpm to 5,000 rpm
Backing plate	Natural fiber
Grit	1FOR2 approx. 40

Ideal for speed controlled angle grinders.



BLUE SHARK® FLEECE-FLAP

Highly elastic fleece flap disc.
Ideal for finishing welds.

- **BLUE SHARK® FLEECE-FLAP** – Highly elastic ABS plastic backing plate for perfect adjustment to the workpiece.
- **BLUE SHARK® FLEECE-FLAP** – Ideal for perfect rounding of internal edges.
- **BLUE SHARK® FLEECE-FLAP** – Deburring, fine grinding, pipe finishing, TIG weld grinding and intermediate grinding.
- **BLUE SHARK® FLEECE-FLAP** – Ideal for stainless steel, steel, aluminium and other non-ferrous metals.
- **BLUE SHARK® FLEECE-FLAP** – Highly elastic, springing fleece flap disc with a low design height.
- **BLUE SHARK® FLEECE-FLAP** – High quality surface conditioning (SC) fleece material for an extremely long service life.
- **BLUE SHARK® FLEECE-FLAP** – Backing plate made of food-safe elastic ABS special plastic – easy to trim.
- **BLUE SHARK® FLEECE-FLAP** – The high elasticity of the backing plate allows the grinding disc to adjust superbly to the workpiece surface. The effective contact surface area is larger ensuring that the heat dissipation is considerably higher.
- **BLUE SHARK® FLEECE-FLAP** – Ideal fine adjustment of work results of FLEECE-FLAP 1FOR2 up to high gloss finish.

Ideal finishing for welds.

BLUE SHARK®

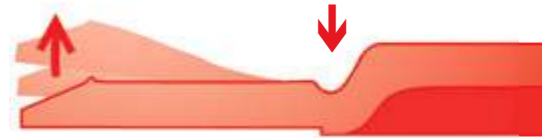
FLEECE-FLAP

Weld seam treatment and surface adjustment of light weld seams on pipes and metal plate edges.
Optimal solution to fine adjust work results of FLEECE-FLAP 1FOR2 (page 58).



Ideal inner edge rounding.

HIGHLY FLEXIBLE Special rill for more flexibility



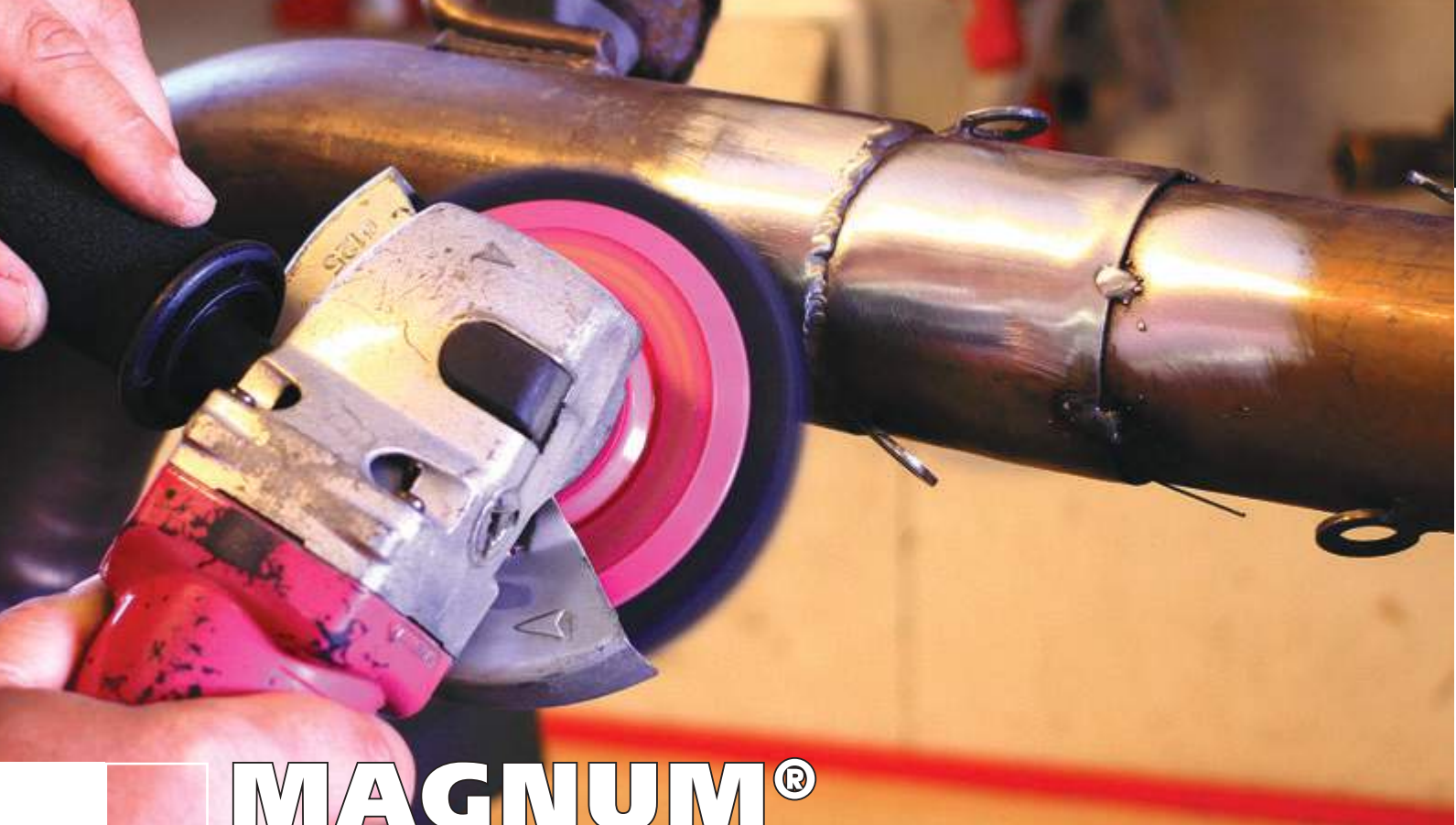
SC fleece comparison table

Type	1FOR2 (green)	Coarse (brown)	Medium (red)	Fine (blue)
Corresponds approx. to grit	40	80	180	280

Technical data

Dimensions	Ø 125 mm, Internal borehole 22,2 mm
Maximum speed	12,200 rpm EN 13743
Ideal speed	2,000 rpm to 5,000 rpm
Grit	Coarse, medium, fine
Backing plate	ABS plastic
Ideal for speed-controlled angle grinders.	

BLUE SHARK®
FLEECE FLAP



MAGNUM® CLEAN

The cleaning disc with the sand-blasting effect

- **MAGNUM® CLEAN** – Pore-deep cleaning for metals and other materials.
- **MAGNUM® CLEAN** – Cleans without workpiece reduction and without damaging the base material.
- **MAGNUM® CLEAN** – Does not smear even if the workpiece is very dirty.
- **MAGNUM® CLEAN** – Contains no metals, ensuring there is no risk of corrosion.
- **MAGNUM® CLEAN** – The ideal cleaning discs for the pore-deep removal of coatings, lacquers, rust, scale and oil residue.
- **MAGNUM® CLEAN** – Particularly suitable for removing lacquer and paint coatings on wood, stone and metal (for example window frames, doors, furniture, house facades, railings, fences, machines, boat hulls and propellers and for removing graffiti).
- **MAGNUM® CLEAN** – Ideal for motor bodies (does not grind through thin sheet metal) in the motor industry (underseal), for renovating and for painting and building work.
- **MAGNUM® CLEAN** – Remove impregnations, paints and fungus on wood quickly and easily.



MAGNUM®
CLEAN



Rust removal



Woodworking



Dressing brazed areas, such as gutters



Removing coatings

Technical data	
Dimensions	Ø 125 mm, Material thickness 13 mm Internal borehole 22,2 mm
Maximum speed	5,000 rpm
Ideal speed	2,000 rpm to 4,500 rpm
Ideal for speed-controlled angle grinders.	

■ **CLEAN DISC MCD**



The cleaning disc with 10 mm borehole which can be securely attached to the chuck of a drill using the clamping spindle. Grind with the circumference and front of the disc.



Technical data	
Dimensions	Ø 115 mm, 150 mm, Material thickness 13 mm, Mandrel Ø 8 mm
Ideal speed	2,000 rpm to 4,500 rpm



MAGNUM® TOPMIX

Combination fleece disc.

Two steps at once!

Higher material removal with a very fine finish.

- **MAGNUM® TOPMIX** – Much more aggressive than conventional fleece discs.
- **MAGNUM® TOPMIX** – Ideal for fine deburring of stamped perforated sheets.
- **MAGNUM® TOPMIX** – A coordinated combination of grinding flaps alternating with compressed fleece provides a much higher grinding capacity, longer service life and a fine finish.
- **MAGNUM® TOPMIX** – For initial and final grinding, for removing spot welds and deep scratches on stainless steel, steel and non-ferrous metals.
- **MAGNUM® TOPMIX** – Ideal for refinishing corners, for example after grinding with MAGNUM® FILLET WELD.

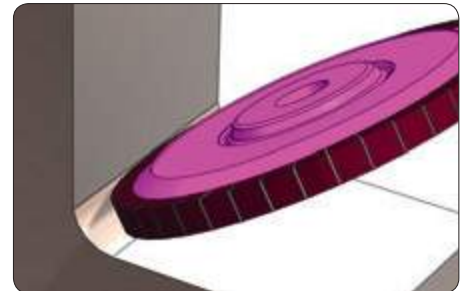
Higher material removal with a very fine finish.

MAGNUM®
TOPMIX

Effortlessly removes unevenness, chatter marks, scratches, etc. whilst producing a very fine finish, even in corners.



MAGNUM®
TOPMIX



Using the front on internal edges.



Technical data

Dimensions	Ø 125 mm, material thickness 15 mm Internal borehole 22,2 mm
Maximum speed	5,200 rpm
Ideal speed	2,000 rpm to 5,000 rpm
Grit	80
Backing plate	ABS plastic
Ideal for speed-controlled angle grinders.	



MAGNUM®

FLEECE TOP

The versatile fleece disc
made of foamed, compressed
grinding fleece for fine finishes.

- **MAGNUM® FLEECE TOP** – With up to 8 times longer service life than conventional fleece discs.
- **MAGNUM® FLEECE TOP** – Versatile range of applications for metalworking
 - For grinding, final grinding and pre-polishing.
 - For removing scale, oxide, scratches, rust, burr and coatings.
- **MAGNUM® FLEECE TOP** – Uniform, clean finish.
- **MAGNUM® FLEECE TOP** – Perfect for polishing blacksmith's hammer.
- **MAGNUM® FLEECE TOP** – Replaces wire brushes, abrasive paper and abrasive rubber.
- **MAGNUM® FLEECE TOP** – Also ideal for cleaning and smoothing wood and plastic.
- **MAGNUM® FLEECE TOP** – The self-cleaning special fleece mixture prevents glazing and smearing.
- **MAGNUM® FLEECE TOP** – The fleece ring with a thickness of 15 mm and width of 30 mm creates a mass of highly compressed fleece which guarantees a long service life.



Average peak-to-valley heights for MAGNUM® FLEECE TOP for stainless steel:

Grit	K 80	K 180	K 280	K 400	K 600	K 900
Rz in µ	6,10 µ	4,16 µ	2,78 µ	2,74 µ	2,26 µ	1,66 µ

Average peak-to-valley heights for MAGNUM® FLEECE TOP for aluminium:

Grit	K 80	K 180	K 280	K 400	K 600	K 900
Rz in µ	9,26 µ	5,63 µ	3,85 µ	3,78 µ	2,68 µ	2,58 µ

Rz = Average peak-to-valley height

With 30 mm wide fleece ring made of silicium carbide for a much longer service life.

MAGNUM® FLEECE TOP



Special applications:



Technical data

Dimensions	Ø 115 mm, material thickness approx. 15 mm, internal borehole 22,2 mm
Maximum speed	8,000 rpm
Ideal speed	2,000 rpm to 5,000 rpm
Grits	80, 180, 280, 400, 600, 900
Backing plate	ABS plastic
Ideal for speed-controlled angle grinders.	



POLY MAGIC WHEEL

A revolution
for polishing to a mirror finish in corners.

- **POLY MAGIC WHEEL** – For final grinding and polishing to a mirror finish in corners.
- **POLY MAGIC WHEEL** – Saves a massive amount of working time and replaces expensive manual labour, particularly for railing production and the corner welds which are often used for these products.
- **POLY MAGIC WHEEL** – Produces a perfect mirror finish in just two steps without any polishing pastes or creams.
- **POLY MAGIC WHEEL** – Highly compressed fleece disc produced in an optimised production process using highly compressed individual flaps reinforced by foam impregnation.
- **POLY MAGIC WHEEL** – With considerably more abrasive than conventional, wound „unitised wheels and discs“.
- **POLY MAGIC WHEEL** – Can be used on many speed-controlled angle grinders (such as VARILEX® WSF 1800).

POLY MAGIC WHEEL

Polishing corner welds with
POLY MAGIC WHEEL



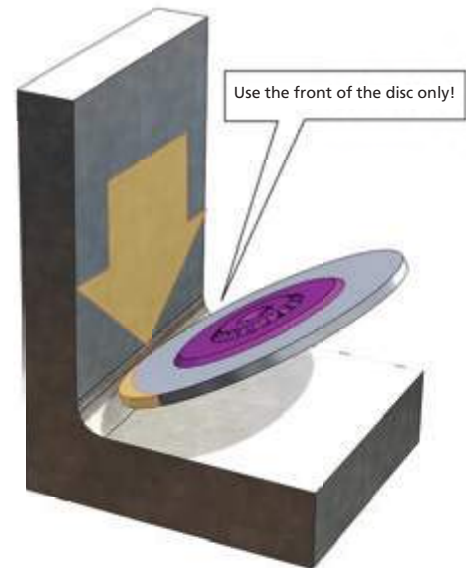
1 Pre-grind and level finer welds with the red POLY MAGIC WHEEL, grit A (80).



2 Polishing to an impeccable mirror finish using the grey POLY MAGIC WHEEL, grit B (900).

DRY POLISHING

No polishing pastes,
etc. are required.



➔ 124

Ideal speed 3,000 rpm to 4,000 rpm, for example VARILEX® WSF 1800 angle grinder, see **page 124!**

Technical data	
Dimensions	Ø 165 mm, material thickness approx. 6 mm, Internal borehole 22,2 mm
Ideal speed	3,000 rpm to 4,000 rpm
Grits	Grit A (grit 80) for pregrinding and levelling preground welds. Grit B (grit 900) for polishing to an impeccable mirror finish.
Backing plate	ABS plastic
Ideal for speed-controlled angle grinders.	

For all metals

CUTTING AND SCRUBBING DISCS

Our **top trio** for best finishes.



Eisenblätter specialises in professional, hand-held grinders and abrasives and has now extended its range with cutting and scrubbing discs.

MAGNUM® TWINFLEX: For the first time this combination disc enables you to cut and scrub with a single product. This makes time-consuming disc changing superfluous. For stainless steel, steel and non-ferrous metals.

MAGNUM® Finecut Plus: 1.0 mm thin: A special cutting disc which is particularly suitable for stainless steel, steel and non-ferrous metals and also for cutting thin-walled sections and pipes.

MAGNUM® Flexo: This scrubbing disc is a universal disc which is suitable for use in all areas of metalworking (for example on inox) whose features include being very aggressive, offering a long service life and maximum material removal.

Cutting & scrubbing!

CUTTING AND SCRUBBING DISCS



Cutting and scrubbing disc MAGNUM® TWINFLEX

Application:

For the first time this combination disc enables you to cut and scrub with a single product. This makes time-consuming disc changing superfluous.

Hardness: Hard

For all metals. Ideal for stainless steel.



Diameter x Width x Borehole in mm	Form	Max. Working speed	Max. redary speed
125 x 2.5 x 22		80.0 m/s	12,200 rpm

NEW

**TOP quality
Made in Germany**

**+
50 %
more
performance**



Cutting disc MAGNUM® Finecut PLUS

Application:

Special high performance cutting disc for cutting thin-walled sections and pipes.

Hardness: Hard

For all metals. Ideal for stainless steel.

Diameter x Width x Borehole in mm	Form	Max. Working speed	Max. redary speed
115 x 1.0 x 22		80.0 m/s	13,300 rpm
125 x 1.0 x 22		80.0 m/s	12,200 rpm



Scrubbing disc MAGNUM® Flexo

Application:

This scrubbing disc features including being very aggressive, a long service life and maximum material removal.

Hardness: Medium

For all metals. Ideal for stainless steel.

Diameter x Width x Borehole in mm	Form	Max. Working speed	Max. redary speed
125 x 6 x 22		80.0 m/s	12,200 rpm



POLY-PTX® 800

PROFESSIONAL

Eisenblätter POLY-PTX 800
Meisterklasse
Handwerk + Industrie
Heimwerker Praxis 2/2012 **1,4**
Preis/Leistung: gut - sehr gut

HEIMWERKER
TEST.DE
Eisenblätter POLY-PTX 800
Profiklasse
Preis/Leistung:
★★★★★
04/2012

From the inventor of the linear grinder.

More power for the original.



Our multi-function linear grinder
now with even more power.

**1750 W rating, speed control, ergonomic design
and extreme versatility – even for working
widths of up to 150 mm.**



POLY-PTX® 800 PROFESSIONAL

High torque and power reserves guarantee permanent professional service and improved economy.

- **POLY-PTX® 800** – Grinds from coarse to very fine finishes.
- **POLY-PTX® 800** – Balanced straight line control without support rollers. This makes free adjustment possible (oscillation effect). Guarantees very decorative surfaces in satin, matt and industrial grinding without shadows or transitions.
- **POLY-PTX® 800** – Produces satin finishes, polishes to a mirror finish and improves surface finishes on stainless steel, steel, non-ferrous metals (such as brass, bronze, copper and aluminium) and also wood.
- **POLY-PTX® 800** – Very fine grinding on large surface area – with no shadows or streaks.
- **POLY-PTX® 800** – Removes welds, deep scratches, rust, dirt, paint and oxide layers.
- **POLY-PTX® 800** – In just three steps from coarse grinding to a mirror finish on stainless steel and non-ferrous metals.
- **POLY-PTX® 800** – Grinds and polishes open and closed pipe constructions.
- **POLY-PTX® 800** – The patented “T-lock system” for pipe grinding ensures safe, fast connection of fleece and felt belts to closed pipe constructions. Puts an end to fiddly gluing of the belts.
- **POLY-PTX® 800** – Massive range of abrasives to cover almost every conceivable job.
- **POLY-PTX® 800** – Now with rubberised handle for excellent handling.



VIDEO

POLY-PTX® 800 PROFESSIONAL



1 Five-way adjustable handle suitable for right and left-handed users. Anti-vibration handle for working without fatigue.



2 Service cover allows the carbon brushes to be changed quickly (See TIP page 127).



3 Easy control of the speed during operation; tachogenerator for constant speed even under load.



4 QUICK-LOCK cable quick-release fastening for fast, easy replacements, for example of damaged cables. Available cable lengths 4 m and 10 m (accessories).



5 Dust-tight field coil with special coating.



6 Infinitely adjustable safety guard with securing points for the extraction cover.



7 Extending polycarbonate safety hood for grinding roller widths up to 150 mm.

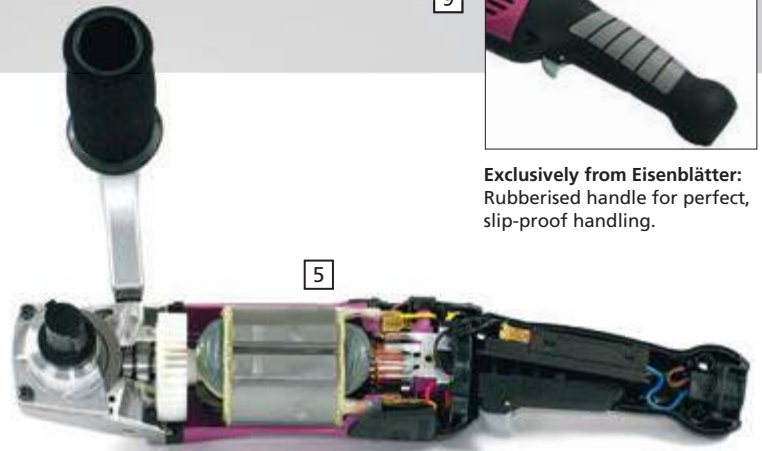


8 **Optional:** Eco Smart adapter for roller widths up to 150 mm and vibration-free operation.

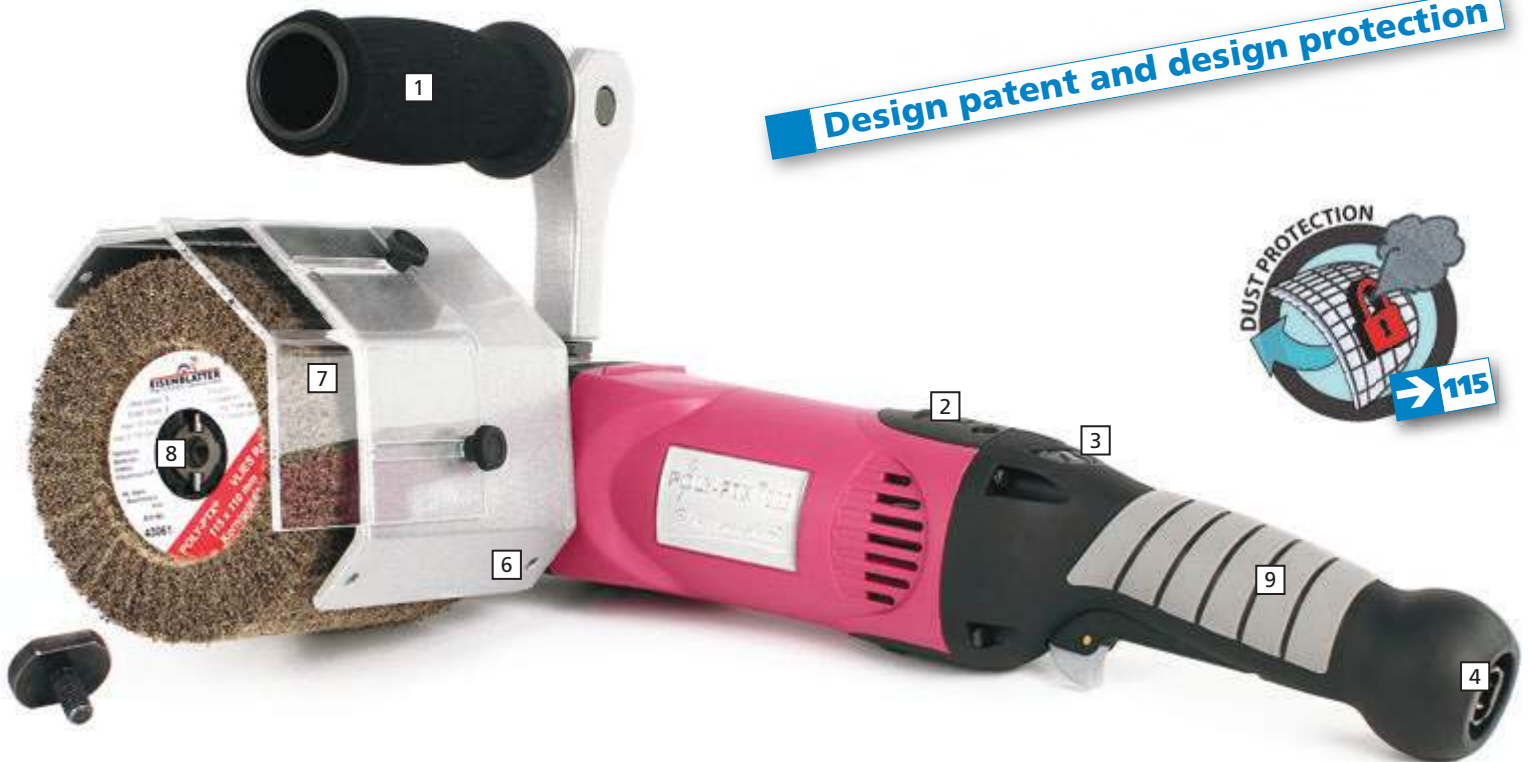


9 **Exclusively from Eisenblätter:** Rubberised handle for perfect, slip-proof handling.

Technical data	
Mains connection	230 V ~ 50 – 60 Hz (Alternatively 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 1,000 to 3,800 rpm, with tachogenerator for constant speed even under load
Speed controller	With fine adjustment to ensure abrasives are used at optimum efficiency
Tool fitting	19 mm shaft (double keyway) and optionally Eco Smart Adapter
Grinding width	up to 100 mm (with Eco Smart 150 mm)
Roller diameter	up to 115 mm
Weight	3.3 kg



Design patent and design protection



Complete solutions for a wide range of applications

The POLY-PTX® sets mean that you always have the right tool to hand – in the workshop and for site work. In addition you can make significant savings compared to buying the components separately.

For metalworking

■ Complete professional set

This set comes in a practical, strong and impact-resistant transport case and contains everything you need for shadow-free industrial finishes to perfect mirror finishes on metals (flat surfaces and pipes) as well as newly developed cleaning products and preservatives for perfect surface protection to prevent marks and fingerprints.

(See price list for details of content)



■ Basic set

Basic set including Eco Smart adapter for coarse grinding, industrial grinding and finish grinding flat surfaces and pipes.

(See price list for details of content)

For woodworking

■ Set for woodworking

The complete set for treating wooden surfaces. POLY-PTX® 800, a range of brush wheels for various wood structures from rustic to polishing stained surfaces and a suction cover for extracting grinding dust particles.

(See price list for details of content)





Bar handle

For an even better and more safe handlig of the POLY-PTX® 800 from any working angle. Made of high quality aluminum and cell-foam.



Professional case (empty)

Strong, impact-resistant plastic version with shaped foam internal divisions for use on site and outdoors (locking).



Plastic spacer ring set

Application:

For width compensation for brushes, rollers and polishing rings.

Material: Plastic

Content: 2 x 20 mm; 1 x 10 mm



Suction cover

Application:

For connecting to all conventional industrial extractors with centring knurled screws and ideal for high dust generation (for example aluminium or wood). Can be used on wheel widths up to 100 mm.

Dimensions - conical flange: Internal Ø 35 mm; external Ø 40 mm



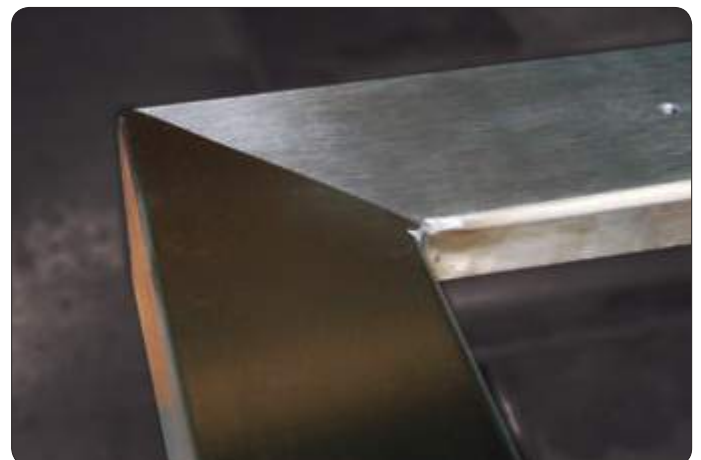
Stainless steel cover plate

Application:

Clean adhesion for perfect mitre grinding on all materials. Self-adhesive and removable without leaving residue – guaranteed easy handling without preparation and finishing.

Material: Stainless steel with a material thickness from just 0.1 mm

Dimensions: 2.5 m length x 150 mm Width



■ Special brushes



Stranded wire wheel

Application:

Metal: For rust removal, deburring, roughening and cleaning (steel) **Hardwood:** For brushing soft annual rings in wood and to create coarse rustic effects.

Material: Steel stranded wire brush

Dimensions: Ø 100 mm x 70 mm;
Ø 100 mm x 25 mm; Ø 100 mm x 12 mm

Wire thickness: 0.2 mm



Inox wire wheel

Application:

For roughening, deburring, cleaning welds and removing coatings.

For use on the following materials: All metals.

Material: Elastic inox wire brush.

Dimensions: Ø 100 mm x 70 mm;
Ø 100 mm x 25 mm; Ø 100 mm x 12 mm

Wire thickness: 0.2 mm



Bristle wheel

Application:

Metal: For roughening and deburring.

Softwood: To create coarse rustic effects with soft annual ring transitions.

Material: Elastic, plastic brush impregnated with abrasives

Dimensions: Ø 100 mm x 70 mm;
Ø 100 mm x 25 mm; Ø 100 mm x 12 mm

Bristle thickness: 1.27 mm



Fibre wheel

Application:

For polishing stained wood surfaces, creating matt sheen effects and for pore-deep dust removal and cleaning.

Material: Elastic fibre brush.

Dimensions: Ø 100 mm x 100 mm

Bristle thickness: 0.4 mm

■ Hand fleece



Hand fleece

For areas which are difficult to access with a grinder (corners, internal angles, etc.) can be reworked by hand using the appropriate fleece grit.

Application:

For the shadow-free completion of industrial grinding finishes (matt and satin), pre-polishing, removing oxide layers and for smoothing "preground" sheets. For inox, non-ferrous metals and wood, for smoothing surfaces.

Material: Grinding fleece impregnated with abrasives.

Dimensions: 20 m x 100 mm

Grit: 80, 180, 280, 400



POLY-PTX® abrasive wheels are made by Eisenblätter with high quality standards in Germany. A unique production process developed by Eisenblätter guarantees high concentricity and thus, in combination with the patented cross-grooved insert or the Eco Smart system, vibration-free grinding – a prerequisite for fatigue-free working and perfect surface finishes with no transitions.

Just try it:

You will be surprised how much smoother a POLY-PTX® grinding wheel or brush wheel is. For a further quality assurance the FLEECE and MIX wheels are if necessary balanced.

(Find more on page 80)

FLEECE wheels 115 x 100 mm K60, K80+K180 and CLEAN wheel 115 mm x 100 mm are supplied with excess width (110 mm) and will fit on all conventional drive shafts (100 mm). This produces approx. 20% higher performance and makes it possible to grind down to the fold.



■ **Wheels**



MOP (flap) wheel

Application: For removing rust, oxide layers, scratches and paint and for regraining and bur-nishing metals.

For use on the following materials: All metals

Material: High quality corundum

Dimensions: Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 24, 40, 50, 60, 80, 120, 180, 240



GUM wheel

Application: For removing minor scratches and black scale, ideal for a bright decorative, textu-red linear finish. Also for smoothing wooden fibres.

For use on the following materials: Stainless steel, non-ferrous metals, wood

Material: Soft rubber impregnated with grain

Dimensions: Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 60, 180



CLEAN wheel

Application: Cleaning and descaling welds, pore-deep removal of rust, oxide layers and coa-tings, cleaning wooden beams, bricks, etc. without removing the base material (same effect as sand-blasting).

For use on the following materials: Metal, wood, brick

Material: Coarse nylon fabric impregnated with grain

Dimensions: Ø 115 mm x 100 mm; Ø 115 mm x 50 mm



CLEAN wheel soft

Application: Soft execution of the popular CLEAN wheel, perfect to descale and clean welds and uneven work pieces due to its considerably enhanced adaption abilities. Also suitable for coarse satin, removal of rust, oxide layers and coatings as well as cleaning wood. Base material is not removed (same effect as sand-blasting).

For use on the following materials:

Metal, wood, brick

Material: Soft coarse nylon fabric impregnated with grain

Dimensions: Ø 115 mm x 100 mm

NEW

grit 60



→ **148**

For more information about the new grit 60 go to page 148!

→ **TIP**
page 79



FLEECE WHEEL

Application:

For the shadow-free completion of industrial grinding finishes (matt and satin), pre-polishing, removing oxide layers and for smoothing "preground" sheets. For smoothing wooden surfaces.

For use on the following materials: Steel, stainless steel, non-ferrous metals and wood

Dimensions: Ø 115 mm x 100 mm; Ø 115 mm x 50 mm; Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Material: Elastic nylon fleece impregnated with grain

Grit: 60, 80, 180, 280, 400, 600, 900

→ **148**

For more information about the new grit 60 go to page 148!

NEW

grit 60



FLEECE-TOP wheel

Application:

For effective decorative, bright linear finishes and light deburring on punched perforated plates.

For use on the following materials: All metals

Material: Fleece material compressed with PUR foam

Dimensions: Ø 112 mm x 100 mm

Grit: 80, 180, 280, 400, 600, 900

MIX (Combi) wheel

Application:

Metal: For matt and satin finishes and removing minor scratches.

Wood: Removing old coatings.

For use on the following materials: All metals and wood

Material: Nylon fleece impregnated with grain and special corundum abrasive cloth

Dimensions: Ø 115 mm x 100 mm; Ø 115 mm x 50 mm; 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 60, 80, 120, 180

NEW

■ **Balancing of wheels**



Only satin finish wheels from Eisenblätter are balanced: The quality of the surface finish is substantially connected to the true concentric run-out of the abrasive wheel. Caused by raw material and production tolerances there is sometimes an indispensable imbalance inside the material, that causes unbalance and vibrations. This undoubtedly goes over on the work piece - scatters and shadows and therefore a impure grinding pattern are the consequence. Eisenblätter is worldwide the only supplier that found a solution for that problem and the only one that can supply the wheels in a 100 percent ideal condition. FLEECE and MIX wheels from Eisenblätter are balanced on a specially designed machine (referred to car tires). An imbalance is there for cleared with a counter-weight. The result: The wheel runs smoothly. Therefore a high quality while grinding and giving the material a satin finish is guaranteed. Surfaces can be tooled efficiently, time and costs can be saved when there is no need to rework imperfect areas.

Patented



→ **TIP**
page 82

Expansion roller

Highly elastic roller through triple built-in segments, therefore best adjustment to the work piece and very simple changing of grinding sleeves is guaranteed.

Application:

For using zirconium, Trizact™, SC fleece, felt and SuperPolish sleeves.

Dimensions: Ø 90 mm x 100 mm; Ø 90 mm x 50 mm



Inflatable expansion roller

This inflatable roller is recommended for the Individual "hardness adjustment" of zirconium, Trizact™, SC fleece, felt and SuperPolish sleeves. It is ideal for surface and edge grinding.

Dimensions: Ø 90 mm x 100 mm



Ceramic sleeve

Application: To remove deep scratches, rust, scale and weld seams (coarse pre grinding). Made of high quality Ceramic-fabric with a lifetime, about twice as high compared to conventional zirconium sleeves.

For use on the following materials: All metals

Material: Ceramic fabric

Dimensions: Ø 90 mm x 100 mm

Grit: 40, 60, 80



Zirconium sleeve

Application: Removal of deep scratches, rust, scale and welds. Far less rework is required as a result of using the time-saving linear grinding technique.

For use on the following materials: All metals

Material: Zirconium fabric

Dimensions: Ø 90 mm x 100 mm; Ø 90 mm x 50 mm

Grit: 40, 60, 80, 120, 150, 180



Trizact™ sleeve

Application: Very high material removal whilst producing a very fine finish (reduces the number of stages required). Ideal for removing scratches and for pregrinding for polishing to a mirror finish.

For use on the following materials: All metals

Material: New abrasive fabric with pyramid-shaped grit structure

Dimensions: Ø 90 mm x 100 mm; Ø 90 mm x 50 mm

Grit: A160, A100, A65, A45, A30, A16, A06

NEW 1FOR2



SC fleece sleeve

Application: For removing minor scratches and oxide layers, matt and satin finishes, deburring and final grinding.

For use on the following materials: All metals

Material: Nylon fabric impregnated with grain.

Dimensions: Ø 90 mm x 100 mm; Ø 90 mm x 50 mm

Grit: 1FOR2, coarse, medium, fine, superfine

Trizact™ grit	A160	A100	A65	A45	A30	A16	A06
Result corresponds to grit	120	220	280	400	600	1,200	2,000
Material removal corresponds approx. to grit	24	36	40	50	60	80	120

Type	1FOR2 (green)	Coarse (brown)	Medium (red)	Fine (blue)	Super-fine (grey)
Corresponds approx. to grit	40	80	180	280	400

→ TIP



Special segments on our patented expansion roller make it possible to change the sleeve more easily with improved workpiece adjustment, vibration damping and concentricity.

■ For expansion rollers



Merino felt sleeve

Application: For polishing large surfaces to a mirror finish quickly. Only for use with polishing pastes or cream.

For use on the following materials: Inox, non-ferrous metals, rigid plastic

Material: Soft merino felt

Dimensions: Ø 90 mm x 100 mm



Merino felt sleeve

Application: For polishing large surfaces to a mirror finish quickly. Only for use with polishing pastes or cream.

For use on the following materials: Inox, non-ferrous metals, rigid plastic

Material: Soft merino felt

Dimensions: Ø 90 mm x 100 mm

■ For 19 mm shaft

**PRE-POLISHING
NON-FERROUS METALS**



Cotton ring (impregnated)

Application: Ideal for initial polishing. Only for use with polishing pastes or cream.

For use on the following materials: Non-ferrous metal (for example aluminium and brass)

Material: Impregnated cotton fabric

Dimensions: Ø 100 mm x 10 mm

**PRE-POLISHING
STAINLESS STEEL**



Top finish ring medium

Application: For pre-polishing narrow or uneven inox surfaces. Only for use with polishing pastes or cream.

For use on the following materials: Inox surfaces

Material: Impregnated technical fleece

Dimensions: Ø 100 mm x 10 mm

**FINISH
ALL METALS**



Top finish ring soft

Application: For the final polish – ideal mirror finish effect. Only for use with polishing pastes or cream.

For use on the following materials: Inox and non-ferrous metals

Material: Technical fleece

Dimensions: Ø 100 mm x 10 mm

Merino felt wheel

Application: For initial and high gloss polishing of small to medium flat surfaces. Only for use with polishing pastes or cream.

For use on the following materials: Stainless steel, non-ferrous metals

Material: Hard felt contact wheel made of compressed merino

Dimensions: Ø 100 mm x 50 mm



■ POLY-PTX® abrasives for grinding and polishing pipes



Grinding belt roller with stainless steel edge

Application: For grinding, SC fleece, Trizact™, SuperPolish and felt belts.

Material: Wear-resistant, soft Vulculan with side discs made of stainless steel and vibration-damping sleeve.

Dimensions: Ø 85 mm x 70 mm



Special adhesive tape

Application: For reclosing grinding and Trizact™ belts. Heat-resistant and high adhesive force.

Material: Adhesive tape with linear reinforcement for tear-resistant hold.

Dimensions: 25 mm x 50 m

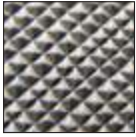


Special adhesive tape



Closed grinding belts such as the grinding belt or the Trizact™-belt are cut open for working on closed pipe constructions, placed around the pipe and glue to overlap over their entire length (approx. 370°) using our special adhesive.

■ POLY-PTX® grinding and polishing belts



Trizact™ belt (closed)

Application:

For removing scratches, roller skin and spot welds and for pre-grinding before polishing to a mirror finish. Trizact™ belts allow a very large amount of material to be removed whilst also producing a fine finish.

For use on the following materials: All metals

Material: New grit structure (pyramid-shaped)

Dimensions: 30 mm x 600 mm

Grit: A100, A65, A45, A30, A16, A06 (Table page 81)



High quality corundum grinding belt (closed)

Application:

For coarse grinding, for pre-grinding, descaling, rust removal and smoothing.

For use on the following materials: All metals

Material: High quality corundum

Dimensions: 30 mm x 600 mm

Grit: 40, 60, 80, 120, 150, 180, 240



SC fleece belt (open)

Application: For removing minor scratches and oxide layers, matt and satin finishes, final grinding, pre-polishing and deburring on closed pipe constructions and handrails.

For use on the following materials: All metals

Material: Fleece fabric impregnated with grit + fabric reinforcement with "button-hole fastening" (protected by international patent and registered utility model).

Dimensions: 30 mm x 660 mm

Grit: Coarse, medium, fine, superfine



Merino felt belt (open)

Application:

For the main polish on closed pipe constructions and handrails. To be used with the grinding belt roller and our polishing pastes and creams.

For use on the following materials: Stainless steel, non-ferrous metals, hard plastic

Material: Soft merino felt with buttonhole fastening (protected by international patent and registered utility model).

Dimensions: 30 mm x 660 mm



SuperPolish belt (closed)

Application: Application: For perfect, brilliant mirror finishes on pipe constructions and handrails without smearing and shadows. SuperPolish is absorbent, does not smear and saves a lot of time. Only for use with polishing pastes or cream.

For use on the following materials: Stainless steel, non-ferrous metals

Material: Revolutionary special nylon fleece

Dimensions: 30 mm x 650 mm

→ TIP



Patented



T-lock fastening

SC fleece and felt belts with the patented "T-lock fastening" are ideal for working on closed pipe constructions and handrails. Once the belt has been placed around the pipe, it can quickly be fastened and reopened if necessary using the "T-lock fastening". This makes changing the grinding belt quick and extremely simple. The belt can be opened and closed as often as necessary.



POLY-PTX®

ECO SMART SYSTEM

A **revolution** in linear grinding.

An innovative, low cost linear grinding system for very fast roller changes without the need for tools. Simply slide the abrasive rollers on to the Eco Smart adapter – and the machine fastens it automatically when it starts turning.



POLY-PTX® ECO SMART SYSTEM

Patented



- **POLY-PTX® Eco Smart Adapter** – For use with POLY-PTX® 800 and all linear grinders with a Ø 19 mm spline shaft.
- **POLY-PTX® Eco Smart Adapter** – Newly developed abrasive mounting for lightning fast abrasive changes.
- **POLY-PTX® Eco Smart Adapter** – Guarantees immediate, secure fastening of the abrasives after they have been attached.
- **POLY-PTX® Eco Smart Adapter** – A finned rigid rubber sleeve which ensures completely vibration-free working and 100 percent concentricity.
- **POLY-PTX® Eco Smart** – No spacer rings required for narrow abrasives.
- **POLY-PTX® Eco Smart** – Abrasives can be positioned freely on the finned shaft.
- **POLY-PTX® Eco Smart** – Massive cost savings for grinding rollers due to the fact that no roller cores, grooved sleeves or casting resin are required.
- **POLY-PTX® Eco Smart** – For the first time allows roller widths of up to 150 mm, for an even faster, shadow-free surface finish.

■ Extensive range of accessories

A selection of roller abrasives for the POLY-PTX® Eco Smart. The complete lack of any roller cores makes the abrasives lighter. This makes it much easier to use and transport them.

→ TIP

NOW WITH IMPROVED TOLERANCE COMPENSATION

Adapter for Eco Smart abrasives

Adapter for using Eco Smart abrasives with the POLY-PTX® 800 Professional or with other linear grinders with Ø 19 mm spline shaft. Simply place the adapter on the spline shaft and you can start using low cost Eco Smart abrasives.

Dimensions: Ø 45 mm, internal Ø 19 mm with two keyways; width 100 mm

Patented



Expansion roller

Application:
For using zirconium, Trizact™, SC fleece, felt and SuperPolish sleeves.

Highly elastic due to patented segment design, this ensuring perfect work-piece adjustment and very simply sleeve changing.

Dimensions: Ø 90 mm x 100 mm

Patented




MOP (flap) wheel

Application:
For removing rust, oxide layers and scratches and for regraining and burnishing metals.

For use on the following materials: All metals and wood.

Material: High quality corundum

Dimensions: Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 24, 40, 50, 60, 80, 120, 180, 240

MIX (Combi) wheel

Application:
Metal: For matt and satin finishes and removing minor scratches, rust, oxide, etc.
Wood: For removing old coatings.

For use on the following materials: All metals and wood.

Material: Nylon fleece impregnated with grain and special corundum abrasive cloth.

Dimensions: Ø 105 mm x 150 mm; Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 60, 80, 180

FLEECE wheel

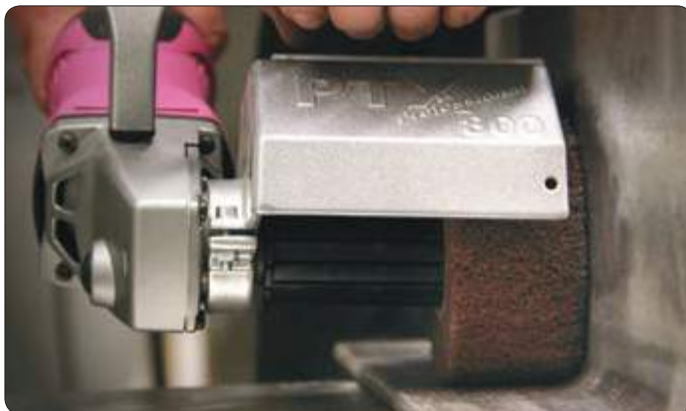
Application:
For the shadow-free completion of industrial grinding finishes (matt and satin), pre-polishing, removing oxide layers and for smoothing "preground" sheets. For smoothing surfaces.

For use on the following materials: Stainless steel, non-ferrous metals and wood.

Material: Elastic nylon fleece impregnated with grain

Dimensions: Ø 105 mm x 150 mm; Ø 105 mm x 100 mm; Ø 105 mm x 50 mm

Grit: 60, 80, 180, 280, 400



Easy clamping of Eco Smart rollers in any position on the shaft.



The overhang on 150 mm wide rollers means that you can work in the internal edges with ease.

→ TIP

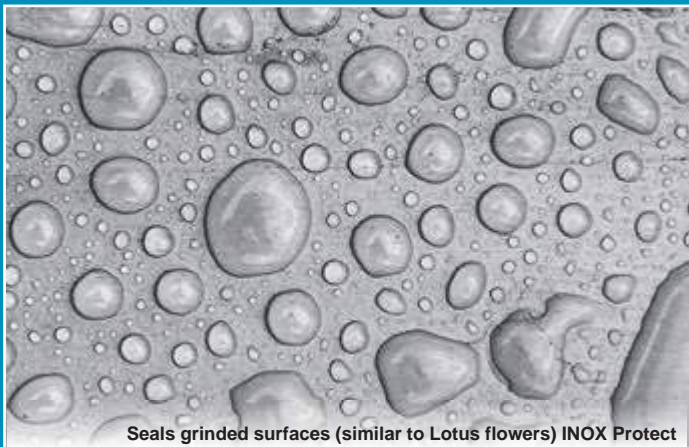


Simply attach the POLY-PTX® Eco Smart adapter to the 19 mm spline shaft of the linear grinder and start to use low cost POLY-PTX® Eco Smart abrasive tools. Thanks to the improved tolerance compensation bar the adapter is now even more effective to use.

POLISHING & PRESERVING PRODUCTS

Care and protect with Eisenblätter

With machines and tools from Eisenblätter excellent surface results for example the mirror finish, can be achieved, but this is not the end: **Subsequent the surface should be taken care of and protected.** For this purpose Eisenblätter has high quality polishing and preserving products in the line of products. This is why these products are not only used in the metal finishing industry but are also found in **canteen kitchens, building service contractors and in the hotel business.**



Food safe

CLEAN

Brilliance Clean

Application: Removes fingerprints, grinding dust, paste residues and minor oil and grease dirt and adhesive residue from all surfaces completely and with no streaks without harming the surfaces. Evaporates in seconds.

Can be used for: Stainless steel, steel, aluminium, brass, copper, plastic, wood, glass, Plexiglas and coated surfaces

Content: Canister 5 litres, spray bottle 500 ml



Interior area

SEAL & PROTECT

INOX Protect (hard wax, dry)

Application: Seals and protects ground and polished metal surfaces with a clear, invisible, dry adhesive film. Removes fingerprints and other dirt. Guarantees the ground surfaces long term protection.

Can be used for: Stainless steel, steel, aluminium, brass and copper

Content: Canister 5 litres, spray bottle 500 ml



Exterior area

Food safe

CLEAN & PRESERVE

POLY Protect (oil film)

Application: For cleaning and preserving ground and polished surfaces. Fingerprints and water marks or shadows remain invisible for a long time. Can be used outdoors and also suitable to be applied in the food industry.

Can be used for: Polished stainless steel and non-ferrous metal surfaces

Content: Canister 5 litres, spray bottle 500 ml



Care and protection



Paste and cream residues from stainless steel polishing can be removed with **POLY lime**. Simply scatter the lime on to the surface and wipe it off with a micro-fibre cloth.

Paste residues, as well as fingerprints, grinding dust, minor oil and grease marks and adhesive residues can be removed easily and without streaks using **Brilliance Clean**. Any residues will evaporate immediately.

To protect ground or polished metal surfaces, spray **INOX Protect** on to the surface, rub it in with a micro-fibre cloth, wipe dry and polish briefly with the cloth. This will seal the surface with a dry, invisible protective film. The protective effect will last for several weeks; polished surfaces will not darken.

Ideal for catering kitchens, elevators and railings.

■ Polishing and preserving products



Polishing pastes

Application: Initial and main polish:

White for pre-polish

Blue for main polish

For use on the following materials:

All metals (inox / non-ferrous metals)

Content: Cardboard sleeve dispenser for pressing out the paste; content approx. 650 g; mini-pastes white and blue, approx. 60 g each



Pink polishing cream

Application: For the final polish. Produces a perfect mirror finish with SuperPolish and POLY-PTX® top finish rings.

For use on the following materials:

All metals (inox / non-ferrous metals)

Content: Can 1 kg; mini-tube approx. 60 ml



Micro-fibre cloths

Application: For pore-deep cleaning and even distribution of preservatives and polish. Remove paste and cream residues.

Size: 400 mm x 400 mm

Quantity: 25 units



POLY lime

Application:

For removing cream and paste residues. Simply scatter on the surface and wipe off with a micro-fibre cloth.

For use on the following materials:

All metals and rigid plastics.

Content: Can 1 kg; aluminium application can 150 g



MINI-MAX®

Minimum size.

Maximum versatility.

**Multi-function machine
with 3 applications for the professional
use of shaft abrasives.**



MINI-MAX® MULTIFUNCTIONAL GRINDER



Mini linear grinder



Mini angle grinder



Flexible shaft

- **MINI-MAX®** – Essential for service, repair, assembly, motor, workshops, painting workshops, etc.
- **MINI-MAX®** – Extensive range of abrasives for all grinding jobs on stainless steel, steel, non-ferrous metals, aluminium, wood and plastics.
- **MINI-MAX®** – For grinding jobs in difficult places (corners, edges, internal tanks, etc.), coarse grinding, finish grinding, satin and matt finishes, polishing to a mirror finish.
- **MINI-MAX®** – Docking flexible shaft.
- **MINI-MAX®** – Clamp holder for mounting or attaching the drive motor when working with the flexible shaft.



1 Five-way adjustable handle suitable for right and left-handed users. Anti-vibration handle for working without fatigue.



2 Infinite speed adjustment for tailoring the grinding speed perfectly to the job in hand. With tachogenerator.



3 Long drive arm for improved abrasive control and working on inaccessible workpieces.



4 The grinding arm can be adjusted to suit areas with difficult access.

Turning the guide handle through 90° makes the linear grinder into a miniature angle grinder.

Use with flexible shaft and clamp holder.



Design patent and design protection

Technical data

Mains connection	230 V – 50 – 60 Hz
Rating	850 watts
Speed	Infinitely adjustable from 3,700 to 13,000 rpm, with tachogenerator for constant speed even under load
Safety electronics	Prevents accidental starting after a power cut
Collet chuck	Ø 6 mm
Weight	2.7 kg



Ready for a wide range of jobs with the case set

This complete set means that you always have the right tool to hand – in your workshop and for site work. In addition you can make significant savings compared to buying the components separately.



■ The MINI-MAX® case set

This practical case set comprises the MINI-MAX® grinder and polisher and a wide-ranging accessories package, all accessible in a practical sturdy transport case.

(See price list for details of content)

■ Accessories for MINI-MAX®



Flexible shaft

Application:

Flexible shaft with steel core for machining constricted areas. All abrasives for the MINI-MAX® can also be used with the flexible shaft.

Dimensions: Length 140 cm, collect chuck Ø 6 mm, for speeds of up to max. 25,000 rpm, can be used with abrasives up to Ø 60 mm (internal core 6 mm).



Clamp holder

Practical clamp and hanging holder made of steel for securely fastening the MINI-MAX® when you are working with the flexible shaft, for example. The holder can be inserted in a vice or hung on a hook (for example on the ceiling). Ideal for two-handed working method.

Can also be used with PIPE-FIX DUO and VARILEX® 900 DUO.

Also available individually



Grinding pin assortment

Application:

For grinding internal edges, welds, pipes and corners.

Dimensions: Various diameters

Material: High quality corundum

Content: Various grinding pins (grit 40 - grit 120) with two steel mounting pins.

(Also available individually)

■ Shaft abrasives for MINI-MAX® (shaft Ø 6 mm)

MINI-MAX®

Multifunctional grinder



Mop wheel

Application: For cleaning, rust removal, removing scratches and linear grinding.

For use on the following materials:

Stainless steel, steel, non-ferrous metals, wood, rigid plastic, etc.

Material: High quality corundum

Dimensions: Ø 40 mm x 10 mm; Ø 60 mm x 30 mm

Grit: 40, 60, 80, 100



Mix wheel

Application: For removing minor scratches, oxide and coatings. For a medium fine finish.

For use on the following materials:

Stainless steel, steel, non-ferrous metals, wood, rigid plastic, etc.

Material: Nylon fleece impregnated with grit with special corundum abrasive cloth.

Dimensions: Ø 40 mm x 20 mm; Ø 60 mm x 30 mm

Grit: 80, 150, 240



Fleece wheel

Application: For matt finishes, final grinding and removing oxide. For smoothing wood fibres and rigid plastic

For use on the following materials:

All metals, wood, rigid plastic, etc.

Material: Elastic nylon fleece impregnated with grit.

Dimensions: Ø 40 mm x 20 mm; Ø 60 mm x 30 mm

Grit: Coarse (M), medium (F), fine (VF)



Inox wire wheel

Application:

For deburring and cleaning welds, coatings, rust, etc.

For use on the following materials:

Stainless steel, steel, non-ferrous metals, etc.

Material: Stainless wire

Dimensions: Ø 60 mm x 10 mm

Wire thickness: 0.2 mm



Expansion roller and zirconium grinding sleeve

Application: Removes welds, heavy burr, deep scratches, etc.

For use on the following materials:

Steel, stainless steel and non-ferrous metals

Material: Expanding rubber roller, zirconium grinding sleeve

Dimensions: Ø 30 mm x 30 mm; Ø 45 mm x 30 mm

Grit: 40, 60, 80



Small brush made of stainless steel

Application:

For descaling and cleaning welds, removing coatings and rust in corners, etc.

For use on the following materials:

Metals

Material: Stainless steel

Dimensions: Ø 10 mm x 100 mm



Felt polishing pins

Application:

For polishing in corners, troughs and recesses. Only for use with polishing pastes or cream.

For use on the following materials:

Stainless steel and non-ferrous metals

Material: Merino felt

Dimensions: Ø 30 mm x 35 mm (cylindrical)

Ø 20 mm x 25 mm (round)

Ø 15 mm x 30 mm (conical)



Mounting for top finish and cotton rings

Application:

Mounting for the use of polishing rings and wire wheels (Ø 100 mm x 12 mm) on the MINI-MAX® and on flexible shafts from Eisenblätter.

Up to two rings can be used at the same time. Left-handed thread prevents coming loose during use.

For use on following materials:

See polishing rings + wire wheels

Material: Brown-finish steel

Dimensions: Ø 6 mm steel shaft



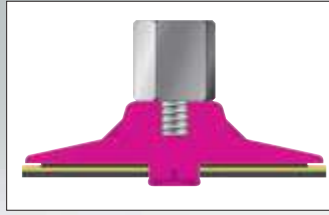
→ 78

See Page 78 for INOX wire-, wire- and bristlewheels



→ 82

See Page 82 for top finish and cotton rings.



Adhesive backing plate with M14 thread for angle grinders.

MINI-FIX HOOK & LOOP SYSTEM



Sophisticated quick-release changing system.

Ideal for very small grinding areas.



**Innovative quick-release changing system
with extensive range of abrasives
and TURBO cooling effect.**



MINI-FIX HOOK & LOOP SYSTEM

MINI-MAX® and MINI-FIX flap discs even make it possible to produce a rustic finish on wooden railings.



Ideal for the metal and motor trades and for painters, coaters, prototype builders, etc.

- **MINI-FIX HOOK & LOOP SYSTEM** – With elastic, air-cooled adhesive backing plate for top grinding results and super-fast disc changing.
- **MINI-FIX HOOK & LOOP SYSTEM** – With centring journal for 100 % concentricity and simple, reliable positioning of the abrasives.
- **MINI-FIX HOOK & LOOP SYSTEM** – With bead on the centring journal to ensure secure fastening even at high speeds.
- **MINI-FIX HOOK & LOOP SYSTEM** – For perfect results in places with difficult access.
- **MINI-FIX HOOK & LOOP SYSTEM** – Ideal for use in metal and motor workshops for descaling and rust removal in difficult areas.
- **MINI-FIX HOOK & LOOP SYSTEM** – For MINI-MAX® speed-controlled pneumatic grinders with 6 mm collet chuck and with an adapter for one-hand angle grinders such as the VARILEX® WSF 900 Duo.
- **MINI-FIX HOOK & LOOP SYSTEM** – Large selection of professional abrasives for final grinding and polishing work on small workpieces.

MINI-FIX HOOK & LOOP SYSTEM



MINI-FIX adhesive backing plate

Flexible grinding plate with hook & loop fastening, cooling slots for reduced grinding temperature and Ø 6 mm shaft (for example for MINI-MAX®). Centring journal for perfect, zero vibration concentricity.

Application:

For flap discs, CLEAN discs, SC fleece discs and Merino felt discs.

Dimensions: Ø 60 mm

Shaft Ø 6 mm or with M14 thread



The ventilation slits ensure a low grinding temperature.

■ Abrasives for MINI-FIX adhesive backing plate



Zirconium flap disc (flexible)

Application: Extremely long service life, high material removal, uniform, clean finish without material discolouration; adjusts perfectly to the abrasive. On green cellulose backing material.

For use on the following materials: Steel, stainless steel

Dimensions: Ø 65 mm

Grit: 40, 60, 80, 120



CLEAN disc (flexible)

Application: Cleaning and pore-deep removal of coatings, scale, rust and dirt on metals.

Same effect as sand-blasting; cleans without removing material.

For use on the following materials: Metals, wood, brick

Material thickness: approx. 13 mm

Dimensions: Ø 60 mm



SC fleece disc (flexible)

Application: Ideal for removing minor scratches and oxide coatings, deburring and final grinding or sanding between coatings on wood, rigid plastics, etc.

For use on the following materials: All metals

Dimensions: Ø 60 mm

Grit: Coarse, medium, fine, superfine



NEW

Now with harpoon hook & loop

MINI-FIX special adhesive damping adapter

Application: 6 mm thick damping adapter to use on the special backing pads with Trizact™ discs, SC Fleece discs, AluPolish discs, SuperPolish discs and Merino felt discs. The centring journal is visible due to the inner hole to ensure that the disc can be precisely centred.

Dimensions: Ø 60 mm, Ø 6 mm shaft or M14 thread

■ Abrasives for MINI-FIX special adhesive damping layer



Trizact™ disc

New abrasive fabric with pyramid-shaped grit structure High material removal with low contact pressure. Saves several work cycles. Very fine finish. **Application:** Ideal for coarse and fine grinding before polishing to a mirror finish.

For use on the following materials: All metals

Dimensions: Ø 60 mm

Grit: A100, A65, A45, A30, A16, A06



SuperPolish disc

Application: Revolutionary special nylon fleece. Used with pastes (white and blue) and pink cream to produce a brilliant mirror finish on inox and non-ferrous metals without smearing or shadows. SuperPolish is absorbent and will not smear. Always use a different SuperPolish disc for each paste and cream so as not to mix the different grit sizes.

For use on the following materials: Stainless steel, non-ferrous metals

Dimensions: Ø 60 mm

Material thickness: 5 mm



Merino felt disc

Application: Polishing to a mirror finish in combination with white and blue polishing pastes and polishing cream.

For use on the following materials: Stainless steel, non-ferrous metals, hard plastic

Dimensions: Ø 60 mm

Material thickness: 5 mm

Trizact™ grit comparison table						
Trizact™ grit	A100	A65	A45	A30	A16	A06
Result corresponds to grit	220	280	400	600	1,200	2,000
Material removal corresponds approx. grit	36	40	50	60	80	120

SC fleece comparison table				
Type	Coarse (brown)	Medium (red)	Fine (blue)	Super-fine (grey)
Corresponds approx. to grit	80	180	280	400



See page 90 for details of polishing pastes and creams.



PIPE GRINDING

with Eisenblätter machines

Perfectly coordinated to each other.

The right machine with revolutionary technology for every diameter.

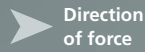


- **PIPE-FIX DUO** – Compact machine for small pipes, handrails, etc. and for assembly and repair work.
- **PIPE-FIX SMART** – Revolutionary new machine system for grinding thin round pipes (also for bent pipes).

- **PIPE-SNIPE**[®] – World novel belt-enclosure system for 360 degree pipe grinding from a single position.
- **PIPE-MAX** – For the perfect grinding and polishing of small to large pipe diameters.
- **POLY-PTX**[®] with grinding belt roller – Clever conversion of a linear grinder for grinding pipes.

List of applications

PIPE GRINDING



PIPE-FIX DUO

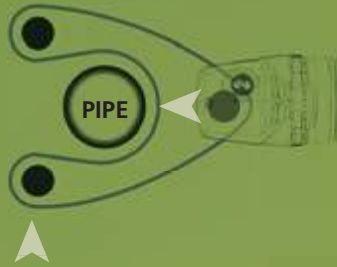
- For pipe diameters
- from 4 to 75 mm with 1/4 enclosure



→ 104

PIPE-FIX SMART

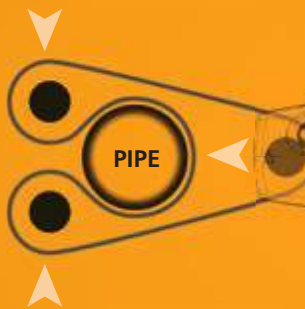
- For pipe diameters
- from 9 to 22 mm with 2/3 enclosure
 - up to 30 mm with 1/2 enclosure



→ 102

PIPE-SNIPER®

- For pipe diameters
- from 30 to 42 mm with 2/3 enclosure
 - up to 70 mm with 1/2 enclosure



→ 111

PIPE-MAX

- For pipe diameters
- from 10 to 130 mm with 1/4 enclosure



→ 108

POLY-PTX® or VARILEX® WSF 900 DUO with grinding belt roller

- For pipe diameters
- from 10 to 130 mm with 1/2 enclosure



→ 132

→ 72



Patent pend.

PIPE-FIX SMART

MINI BELT GRINDING SYSTEM

The new PIPE-FIX SMART.

Small, compact, robust and revolutionary.



With a new level mechanism to make enclosing pipes child's play.

- **PIPE-FIX SMART** – Complete grinding of the pipe possible from a single working position thanks to 2/3 enclosure.
- **PIPE-FIX SMART** – Small pipes and round bars from Ø 9 to 30 mm can be ground.
- **PIPE-FIX SMART** – New guide handle for controlling the enclosure of the pipe.
- **PIPE-FIX SMART** – Easy grinding of internal and external radii on bent pipes.

PIPE-FIX SMART

MINI BELT GRINDING SYSTEM



1 Clamp lever: Easy infinite adjustment of the belt supply.



2 Innovative rotary lever with cable allows fatigue-free balanced working. 2/3 pipe enclosure possible for the first time.



3 Stainless steel guide rollers with rounded, fixed support discs guarantee easy grinding of workpieces.



4 Additional guide handle: Infinitely adjustable side contact pressure makes controlled finishing work possible.



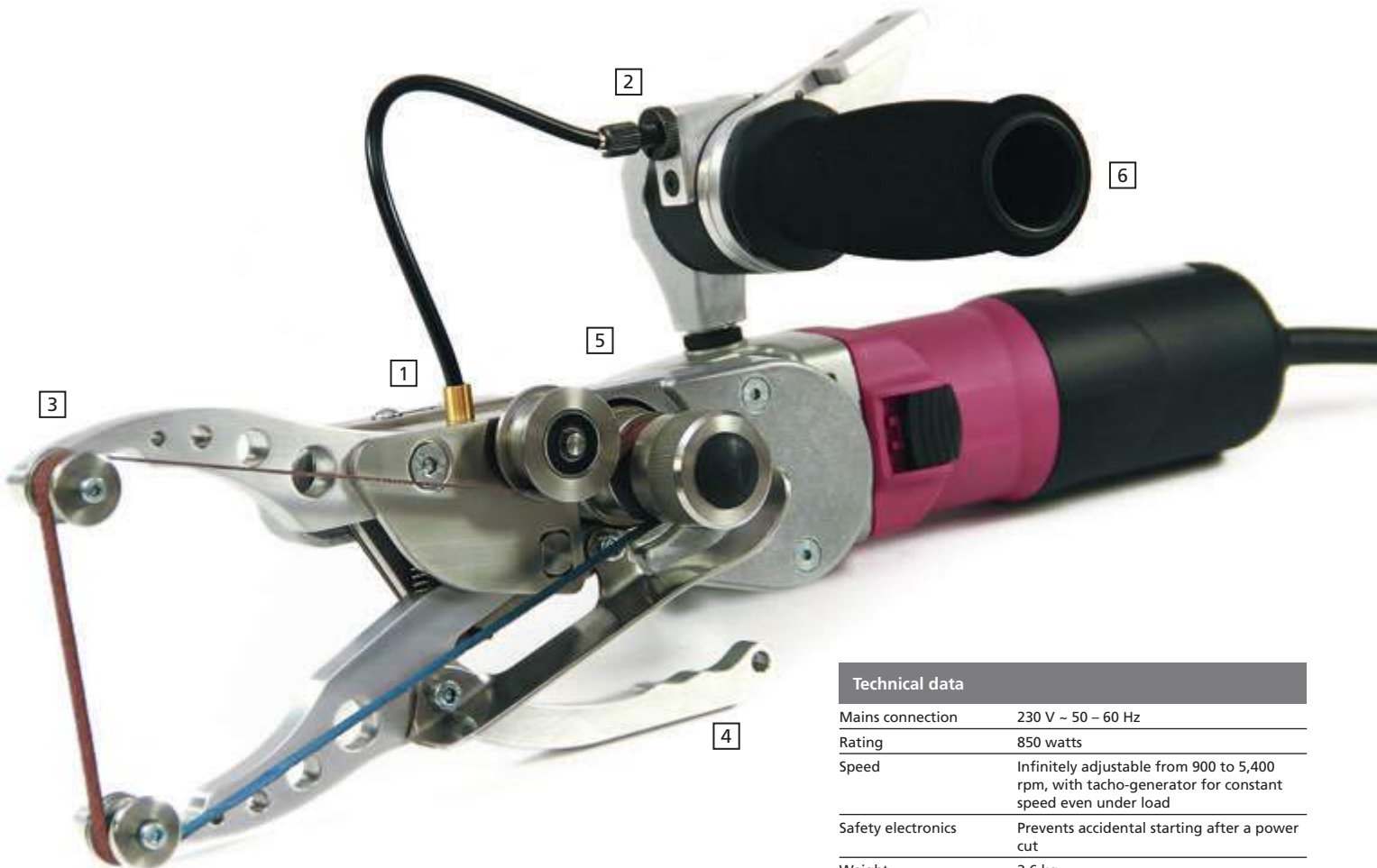
5 Inox return roller for ideal force transfer due to greater enclosure of the drive roller.



6 Five-way adjustable handle for horizontal and vertical operation into the corners.



The extensive PIPE-FIX® SMART kit with grinding and polishing belts from coarse to fine grinding. (See price list for details of content)



Technical data

Mains connection	230 V ~ 50 – 60 Hz
Rating	850 watts
Speed	Infinitely adjustable from 900 to 5,400 rpm, with tachogenerator for constant speed even under load
Safety electronics	Prevents accidental starting after a power cut
Weight	3.6 kg
Belt dimensions	
Belt width	9 mm
Belt length	533 mm
Suitable belts	Page 107



PIPE-FIX DUO

BELT GRINDING SYSTEM

For grinding pipes with docking belt filing and flat filing attachment.
For very awkward grinding positions.



- **PIPE-FIX DUO** – Compact machine for small pipes, handrails, etc. and for assembly and repair work.
- **PIPE-FIX DUO** – For perfect grinding and polishing of closed and open pipe constructions.
- **PIPE-FIX DUO** – Handy and powerful.
- **PIPE-FIX DUO** – From coarse grinding to a mirror finish for all conventional handrail diameters.
- **PIPE-FIX DUO** – Fast conversion from a pipe grinder to a belt file without the need for tools.
- **PIPE-FIX DUO** – Additional belt filing attachment with flat metal guide slides allows the surfaces of many small, complex components to be ground.
- **PIPE-FIX DUO** – Homogeneous, absolutely transition-free finish even on long railings.
- **PIPE-FIX DUO** – Grind, burnish, file and polish in areas with difficult access with the belt file attachment.
- **PIPE-FIX DUO** – Infinitely adjustable speed.

PIPE-FIX DUO

BELT GRINDING SYSTEM



1 The narrow grinding belt is guided securely in a groove ensuring that it cannot become displaced. No adjustment required.



2 O rings on the drive roller guarantee that the belt is driven without slipping and control the belt precisely. The O rings can be replaced quickly and at low cost if they suffer wear.



3 Infinite speed adjustment for tailoring the grinding perfectly to the job in hand. With tacho-generator.



4 Five-way adjustable handle suitable for right and left-handed users. Anti-vibration handle for working without fatigue.

PIPE-FIX DUO in its belt filing machine setting with optional machine holder for stationary use.



Design patent and design protection

Technical data	
Mains connection	230 V ~ 50 – 60 Hz
Rating	850 watts
Speed	Infinitely adjustable from 900 to 5,400 rpm, with tacho-generator for constant speed even under load
Safety electronics	Prevents accidental starting after a power cut
Weight	3 kg (with standard attachment)
Pipe belt grinder	
Belt width	60 mm
Belt length	260 mm
Belt filing attachment	
Belt width	3 mm, 5 mm, 9 mm
Belt length	533 mm
Suitable belts	page 107



➔ 106

Various attachments for a wide range of application

Prepared for numerous tasks: ROHR-FIX® DUO accessory and set



Fast, easy grinding of round pipes

PIPE-FIX DUO
basic drive rollers for wide belts



Pipe grinding of small pipes and radii on workpieces

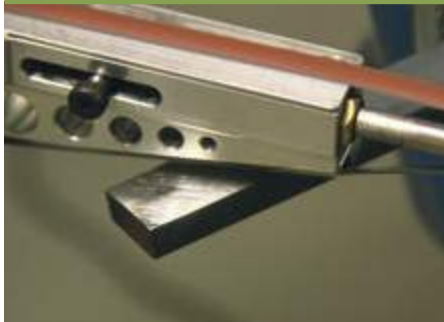
PIPE-FIX DUO belt filing attachment for narrow belts
(interchangeable rollers)



Grind into the corners thanks to the conical guide roller



High quality brass interchangeable rollers for PIPE-FIX DUO belt filing attachment



Flat grinding using the PIPE-FIX DUO flat filing attachment

Accessories (not included in set)

PIPE-FIX DUO flat filing attachment for narrow belts (9 mm)



■ PIPE-FIX set in case (Without "PIPE-FIX DUO flat filing attachment")

Contains PIPE-FIX DUO basic machine with basic drive roller, belt filing attachment including 3 mm, 5 mm and 9 mm interchangeable rollers. Various wide and narrow belts from coarse grinding to a mirror finish and mini polishing pastes are also included. (See price list for details of content)



Abrasives for PIPE-FIX DUO



High quality corundum grinding sleeve (wide belt)

Application: For reducing welds, removing deep scratches, rust, scale and for coarse industrial grinding.
For use on the following materials: All metals
Material: High quality corundum
Dimensions: 60 mm x 260 mm
Grit: 60, 80, 120



Trizact™ sleeve (wide belt)

Application: Allows very high material removal whilst producing a very fine finish (reduces the number of stages required). Ideal for removing scratches and for pregrinding for polishing to a mirror finish
For use on the following materials: All metals
Material: New grit structure (pyramid-shaped)
Dimensions: 60 mm x 260 mm
Grit: A100, A65, A45, A30, A16, A06



SC fleece sleeve (wide belt)

Application: For removing minor scratches and oxide layers, matt and satin finishes and deburring pipe constructions and handrails.
For use on the following materials: All metals
Material: Nylon fleece impregnated with grit with reinforcement fabric
Dimensions: 60 mm x 260 mm
Grit: Medium, fine, superfine



Merino felt sleeve (wide belt)

Application: For the main polish to a mirror finish, only for use with pastes and creams.
For use on the following materials: Stainless steel, non-ferrous metals such as aluminum, brass, copper, etc.
Dimensions: 60 mm x 260 mm



SuperPolish sleeve (wide belt)

Application: Revolutionary special fleece produces a brilliant mirror finish when used with pastes and polishing cream (will remove even the finest smears). Absorbent, will not smear. Only for use with pastes and creams.
For use on the following materials: Stainless steel, non-ferrous metals
Dimensions: 60 mm x 260 mm

Tools for ...



Merino felt belt (narrow belt)

Application: For the main polish to a mirror finish, only for use with pastes and creams.
For use on the following materials: Stainless steel, non-ferrous metals such as aluminum, brass, copper, etc.
Dimensions: 9 mm x 533 mm

... PIPE-FIX DUO and PIPE-FIX SMART



High quality corundum grinding belt (narrow belt)

Application: For reducing welds, removing deep scratches, rust, scale and for coarse industrial grinding.
For use on the following materials: All metals
Material: High quality corundum
Dimensions: 3 mm x 533 mm; 5 mm x 533 mm; 9 mm x 533 mm
Grit: 40, 60, 80, 120



Trizact™ belt (narrow belt)

Application: Allows very high material removal whilst producing a very fine finish (reduces the number of stages required). Ideal for removing scratches and for pre-grinding for polishing to a mirror finish.
For use on the following materials: All metals
Material: New grit structure (pyramid-shaped)
Dimensions: 9 mm x 533 mm
Grit: A100, A65, A45, A30, A16, A06



SC fleece belt (narrow belt)

Application: For removing minor scratches and oxide layers, matt and satin finishes and deburring in places with difficult access.
For use on the following materials: All metals
Material: Nylon fleece impregnated with grit with reinforcement fabric
Dimensions: 9 mm x 533 mm
Grit: Medium, fine

Trizact™ grit comparison table

Trizact™ grit	A100	A65	A45	A30	A16	A06
Result corresponds to grit	220	280	400	600	1,200	2,000
Material removal corresponds approx. grit	36	40	50	60	80	120

SC fleece comparison table

Type	medium (red)	fine (blue)	superfine (grey)
Corresponds approx. to grit	180	280	400



1.750 watts

for professional
use!

PIPE-MAX

PIPE BELT GRINDER

For small to large pipe diameters.

- **PIPE-MAX** – For perfect grinding and polishing on closed and open pipe constructions – from small to large pipe diameters.
- **PIPE-MAX** – Homogeneous, uniform grinding and polishing results on all pipe diameters, regardless of whether they are small or large.
- **PIPE-MAX** – New damping concept with gas pressure dampers allows the grinding and polishing belts to be “slung” round the pipes perfectly with no great force.
- **PIPE-MAX** – New drive roller with replaceable rubber O rings guarantees that the belts will not slip.
- **PIPE-MAX** – Return roller made of soft PUR material. This ensures particularly soft contact and permanent elasticity.
- **PIPE-MAX** – The soft return roller also allows flat surfaces to be ground longitudinally, for example to remove spot welds and eliminate deep scratches, etc.
- **PIPE-MAX** – Fast, easy belt changing.
- **PIPE-MAX** – Ideal belt guide using side inox fittings. No more adjustments required.
- **PIPE-MAX** – Balanced and adjustable handles mean that they can be set to suit the job in hand.
- **PIPE-MAX** – Can be set up for right-handed and left-handed use or for side and overhead working.
- **PIPE-MAX** – The belt unit is made of aluminium permanent casting alloy and is particularly strong and resistant.



VIDEO

PIPE-MAX PIPE BELT GRINDER



1 The new damping system with gas pressure dampers.



2 The additional handle makes for comfortable overhead working.



3 The drive roller with the rubber O rings ensures that the grinding belts will not slip. Worn O rings can be replaced quickly and at low cost.




4 Easy control of the speed during operation; tachogenerator for constant speed even under load.



5 QUICK-LOCK cable quick-release fastening for fast, easy replacements, for example of damaged cables.
Available cable lengths 4 m and 10 m (accessories)



6 Service cover allows the carbon brushes to be changed quickly (See TIP). 



7 Ergonomic, zero vibration handle for fatigue-free working.



8 Five-way adjustable handle -suitable for right and left-handed users. Anti-vibration handle for working without fatigue.



The soft return roller made of PUR material also allows comfortable longitudinal grinding of flat surfaces, for example to remove spot welds or eliminate deep scratches.

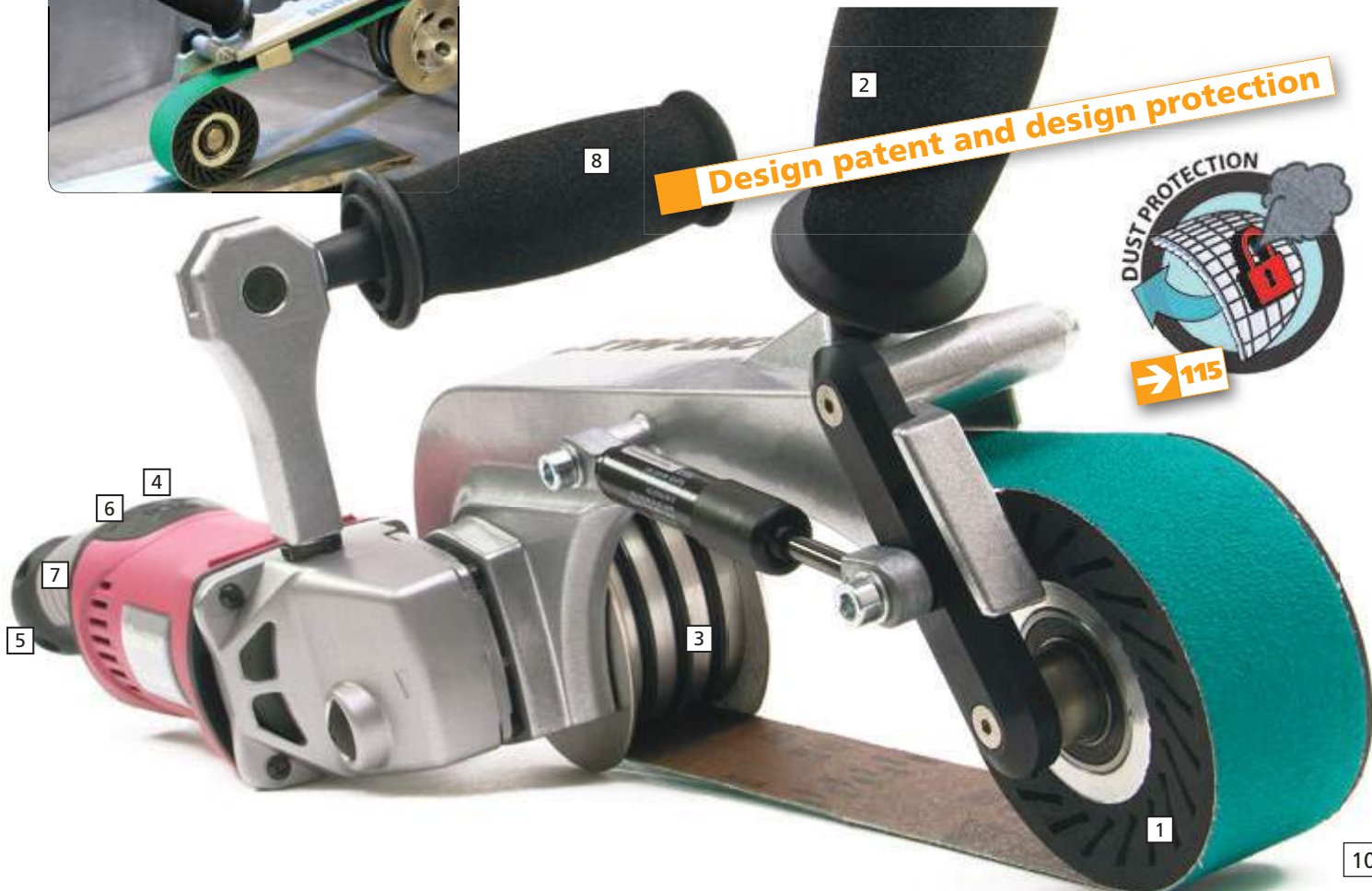


Technical data	
Mains connection	230 V ~ 50 – 60 Hz; (Alternatively 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 1,000 to 3,800 rpm, with tachogenerator for constant speed even under load
Belt dimensions	40 mm x 780 mm
Weight	4.8 kg
Suitable belts	Page 116

Design patent and design protection



 115



Ready for a wide range of jobs with the PIPE-MAX basic set



■ PIPE-MAX basic set in a sturdy transport box

With PIPE-MAX base unit, various grinding and fleece belts for perfect industrial grinding on pipes and flat surfaces. (See price list for details of content)



■ PIPE-MAX aluminium case (Empty)

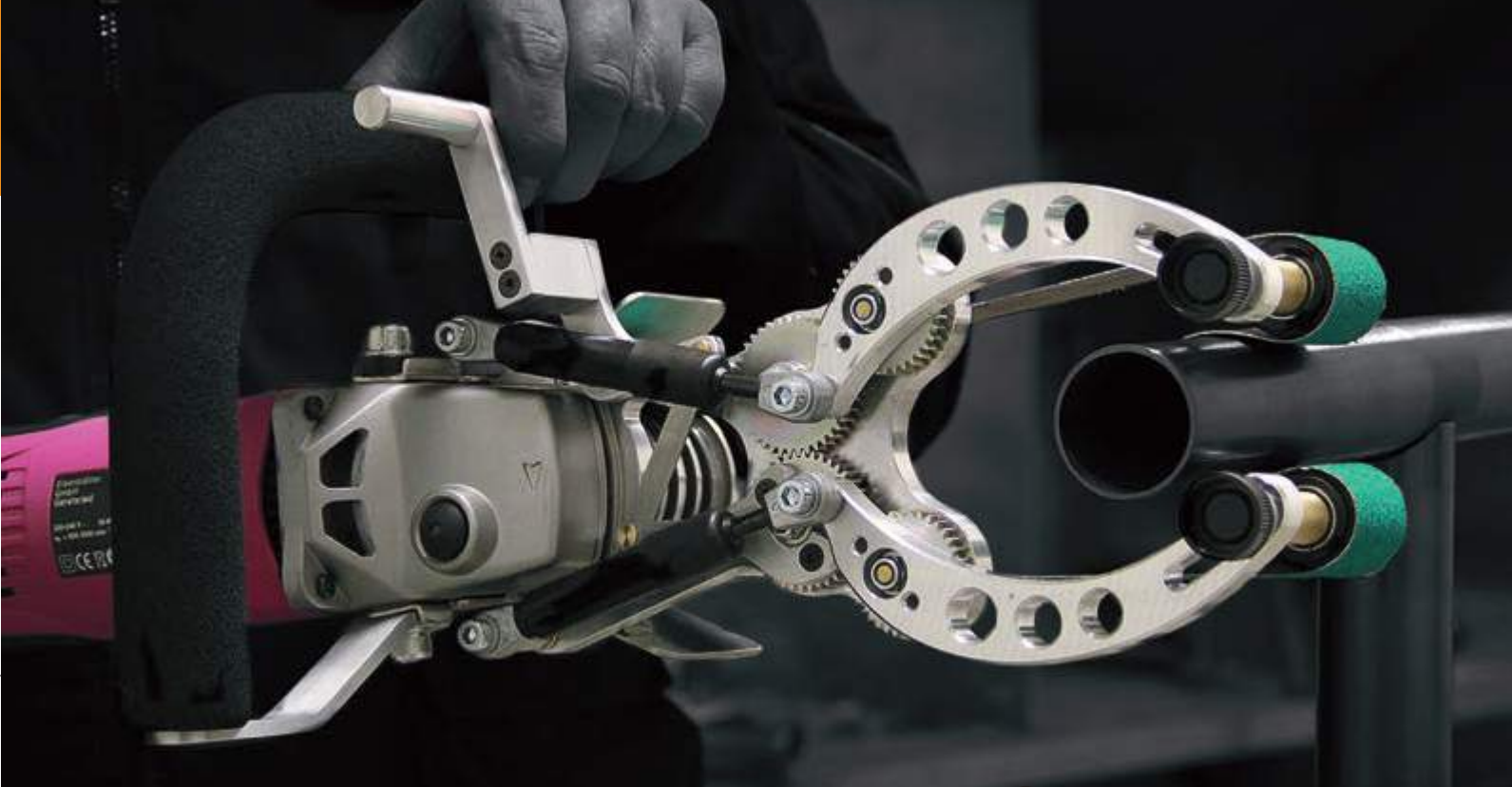
Very sturdy lockable version with sealing lips to protect it from splashed water. Convenient for the daily use.

→ TIP

Changing belts on the PIPE-MAX

The new damping system with gas pressure dampers makes changing the belts on the PIPE-MAX very easy. Simple push back the return roller and insert the grinding belt.





PIPE-SNIPER®

PIPE BELT GRINDER

360 degree treatment
from a single work position.



A revolution in pipe grinding
using new lever enclosure technique.
With genuine 2/3 enclosure.



PIPE-SNIPER®

PIPE BELT GRINDER



- **PIPE-SNIPER®** – Minimum force exertion thanks to the revolutionary sophisticated enclosure technique.
- **PIPE-SNIPER®** – Completely new product: For the first time the tongs are closed by pressing a lever.
- **PIPE-SNIPER®** – Thanks to genuine 2/3 enclosure, complete 360° pipe grinding is possible from a single position.
- **PIPE-SNIPER®** – Innovative technology: New gas pressure damper system reduces force and allows “gentle” pipe enclosure.
- **PIPE-SNIPER®** – Newly developed drive motor with 1,750 W ratings for continuous use.
- **PIPE-SNIPER®** – The balanced bar handle means that it can be used in any conceivable position.

PIPE-SNIPER®

PIPE BELT GRINDER



Very compact, balanced design with bar handle for fatigue-free working in any position.



High quality synchronous mechanism consisting of INOX gear wheels for wear-free pipe enclosure.



New aluminium lever for very simple pipe enclosure with minimum force. (Patent pend.)



The enclosure angle of the clamping lever can be adjusted to any pipe diameter by simply adjusting the knurled screws.



Easy control of the speed during operation; tachogenerator for constant speed even under load.



QUICK-LOCK cable quick-release fastening for fast, easy replacements, for example of damaged cables.
Available cable lengths 4 m and 10 m (accessories)



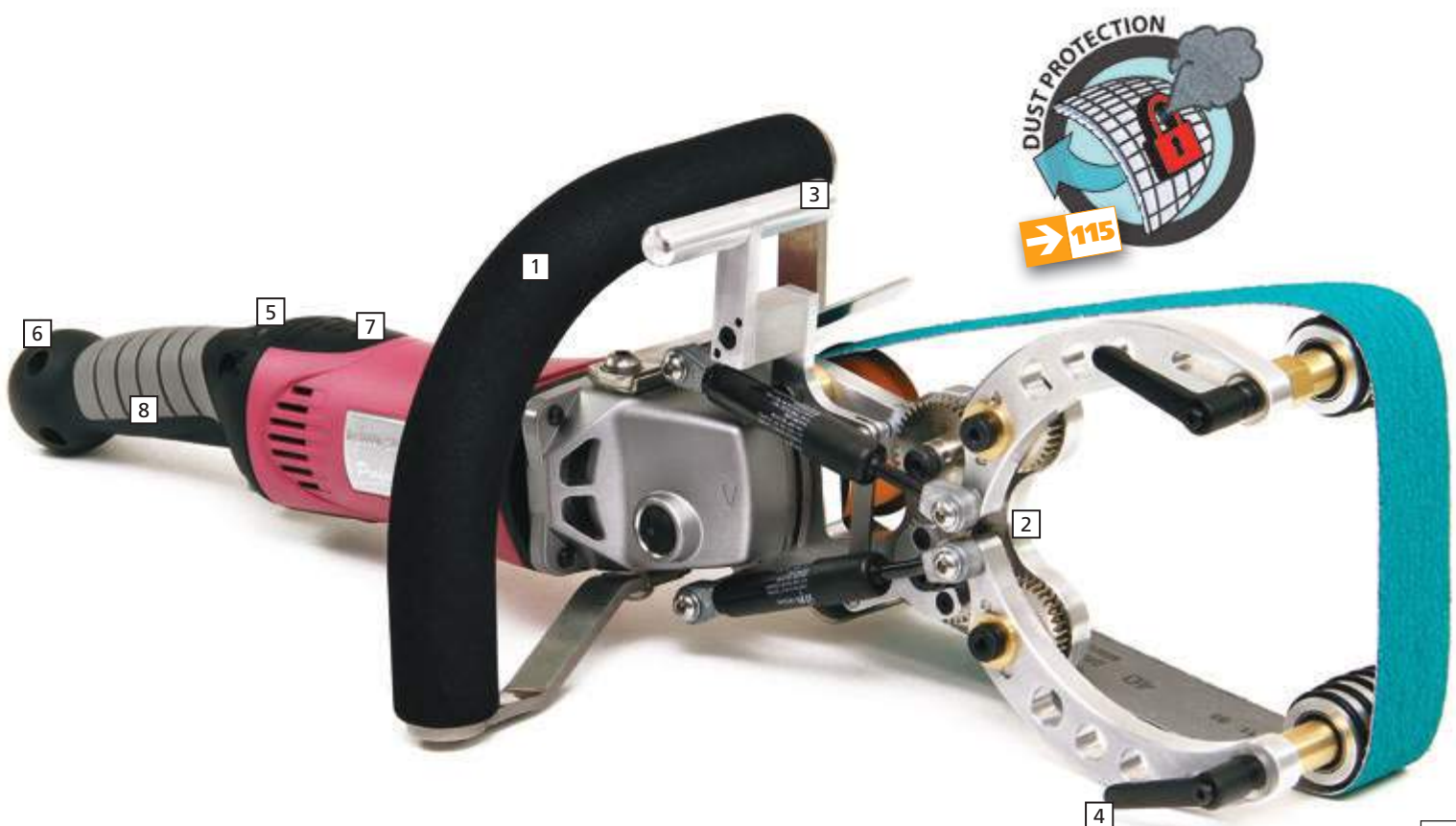
Service cover allows the carbon brushes to be changed quickly (See TIP).



Exclusively from Eisenblätter: Rubberised handle for perfect, slip-proof handling.

1,750 watts
For professional use!

Technical data	
Mains connection	230 V ~ 50 – 60 Hz (Alternatively 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 1,000 to 3,800 rpm, with tachogenerator for constant speed even under load
Belt dimensions	40 mm x 780 mm
Weight	4.8 kg
Suitable belts	Page 116



Ready for a wide range of jobs with the PIPE-SNIPER® basic set



■ PIPE-SNIPER® basic set in a sturdy transport box

With PIPE-SNIPER® base unit, various grinding and fleece belts for perfect industrial grinding on pipes and flat surfaces.
(See price list for details of content)

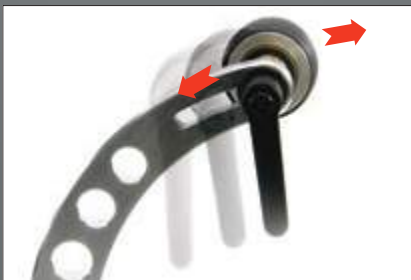


■ PIPE-SNIPER® aluminium case (Empty)

Very sturdy lockable version with sealing lips to protect it from splashed water. Convenient for the daily use.

→ TIP

Mounting of ROHR-SNIPER® abrasive belts



Checking of belt

- Pull back the T-lever
- Put belt on PIPE SNIPER®
- Release T-lever to tension the belt

Tip: First run the new sanding belt without touching the pipe, then adjust to desired enclosure!



Checking of belt

- Switch on machine and verify the belt drive

Tip: Set speed to „A“!



- If the belt runs not exactly on roller switch off the machine. Sanding belt needs to be adjusted.

Sanding belt adjustment

- The top contact wheel needs to be turned a little with wrench (SW 16) at the same time loosen the black clamping lever slightly
- Align the lever parallel to the arm
- Correct adjustment: belt must run exactly on the roll. When changing belts adjust again if necessary.



• **Important:** Align the machine to the workpiece at a 90 ° angle to optimally adjust the belt. If the belt runs not exactly on the roll under load this deviation must be considered when adjusting.

NEW

DUST PROTECTION SELF-ADHESIVE

Dust protection for all 1,750 watts machines
from Eisenblätter!

The dust protection cover prevents dust and dirt particles from penetrating the inner core of the machine and helps to guarantee a long service life. Fitting and replacement is simple and done in a few seconds.



New kits of covers can be reordered at any time (contains 20 pcs).

The following machines can be equipped
with the dust protection:

- GLADIUS® 1800 → 118
- POLY-PTX® 800 → 72
- PIPE-MAX → 108
- PIPE-SNIPER® → 111
- VARILEX® WSF 1800 → 125
- ROLEI EF 115 → 144

This kit includes all necessary cleaning accessories and 20 pieces dust protection pads, stored in a sturdy closeable plastic box.

NEW

HellFire® grinding belt (Ceramic hybrid)

Application:
Coarse grinding, dressing castings and welds, removing scratches.

For use on the following materials: All metals

Material: Ceramic Hybrid

Dimension: 40 mm x 780 mm

Grit: Multigrain 40 / 60

Grinding belt (Zirkonium)

Application:
For reducing welds, removing deep scratches, rust, scale and for coarse industrial grinding.

For use on the following materials: All metals

Material: Zirconium corundum with highly active cooling agents

Dimensions: 40 mm x 780 mm

Grit: 40, 50, 60, 80, 120

ROHR-MAX®



Also suitable for metals with hard machining characteristics e.g. titanium, bronze and alloys



ROHR-SNIPER®



GLADIUS®



Also suitable for metals with hard machining characteristics e.g. titanium, bronze and alloys



SC fleece belt

Application: For removing minor scratches and oxide layers, matt and satin finishes and deburring.

For use on the following materials: All metals

Material: Nylon fleece impregnated with grit with reinforcement fabric

Dimensions: 40 mm x 780 mm

Grit: Coarse, medium, fine, superfine

Trizact™ belt

Application: Allows very high material removal whilst producing a very fine finish (reduces the number of stages required). Ideal for removing scratches and for pre-grinding for polishing to a mirror finish.

For use on the following materials: All metals

Material: New grit structure (pyramid-shaped)

Dimensions: 40 mm x 780 mm

Grit: A100, A65, A45, A30, A16

SuperPolish belt

Application: Revolutionary special nylon fleece produces a brilliant mirror finish when used with pastes and polishing cream (will remove even the finest smears). Absorbent, will not smear.

For use on the following materials: Stainless steel, non-ferrous metals

Dimensions: 40 mm x 780 mm



Trizact™ grit	A100	A65	A45	A30	A16	A06
Result corresponds to grit	220	280	400	600	1,200	2,000
Material removal corresponds approx. grit	36	40	50	60	80	120



Type	Coarse (brown)	Medium (red)	Fine (blue)	Superfine (grey)
Corresponds approx. to grit	80	180	280	400



1.750 watts

For professional use!



GLADIUS® 1800

THE MULTIFUNCTIONAL GRINDING SWORD

Belt grinder, surface grinder, belt polisher, deburring tool and wood processor in one machine!

- **GLADIUS® 1800** – Thanks to its design, it enables previously impossible working processes.
- **GLADIUS® 1800** – Grinds smoothly and without undulations on complete lengths of both sides of sword.
- **GLADIUS® 1800** – Long, sword-shaped, belt-driven tool for processing previously inaccessible points.
- **GLADIUS® 1800** – Enables simple, sharp-edged grinding operations in corners of metal constructions.
- **GLADIUS® 1800** – Mobile and stationary use: Optional equipment stands (in professional kit included) turn the machine into a bench-mounted device for precise work (for example knife grinding, deburring, faceting).
- **GLADIUS® 1800** – Even round rods of varying diameters can be given smooth surfaces within the shortest possible time.
- **GLADIUS® 1800** – World's most powerful drive motor in its class and size ensures highest quality working results, even during constant operation.
- **GLADIUS® 1800** – Ideal for all metals, wood and plastics.



1 Long, sword-shaped, belt-driven tool for processing previously inaccessible points. Accesses them easily thanks to the innovative design (no protruding components).



2 Protective cover with suction flange for optional connection to all standard industrial vacuum cleaners.



3 Innovative stop button enables lightning-fast replacement of belt without using tools.



4 Very compact, well-balanced design with bow handle for tireless working in every position.

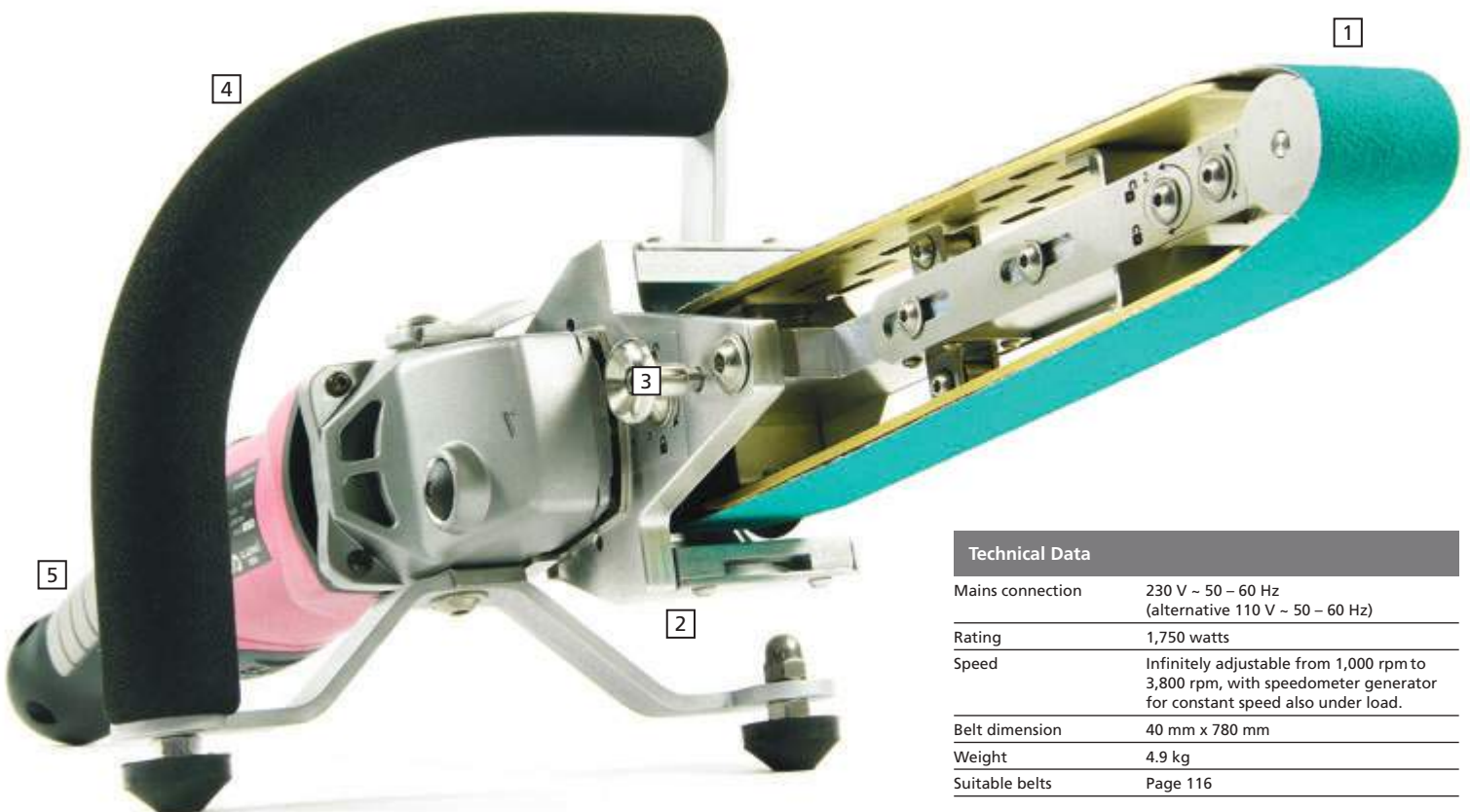


5 **Exclusive at Eisenblätter:** Rubberized grip for optimum and slip-free handling.



GLADIUS® 1800 Professional kit

With GLADIUS® 1800 basic machine and different grinding and fleece belts including the equipment stands for perfect grinding on pipes, surfaces and wood in high-quality aluminum tool case. (See price list for details of content)



Technical Data	
Mains connection	230 V ~ 50 – 60 Hz (alternative 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 1,000 rpm to 3,800 rpm, with speedometer generator for constant speed also under load.
Belt dimension	40 mm x 780 mm
Weight	4.9 kg
Suitable belts	Page 116

GLADIUS® 1800: A machine for numerous application areas



Enables simple, sharp-edged grinding operations in corners of metal constructions.



De-rusting, removal of rolling skin and cleaning of surfaces within the shortest possible time without rounding edges.



Perfect, even smooth grinding thanks to large contact surface.



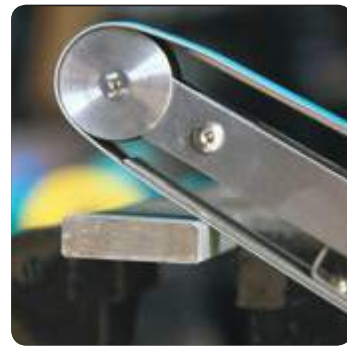
Thanks to its design, it enables previously impossible interior working processes.



Long, sword-shaped, belt-driven tool for processing previously inaccessible points.



Grinding out of hole constructions through deep penetration into the workpiece possible at all times (in the case of wood).



Enables perfect, highest quality deburring in the most varied angles (facet grinding).



Even round rods of varying diameters can be given smooth surfaces within the shortest possible time.

1



- Mobile and stationary use: optional equipment stands (in professional kit included) turn the machine into a bench-mounted device for precise work (for example knife grinding, deburring, faceting).

1





MULTI-MAX

The All-in-One work station.
With double drive unit for stationary
linear and circular grinding.

**Stationary multi-purpose grinder
for all workshop grinding and polishing jobs.**



MULTI-MAX



- **MULTI-MAX** – Two shaft mountings for grinding discs (for example flap discs) from angle grinders and grinding rollers from linear grinders.
- **MULTI-MAX** – Also uses partly used grinding discs and grinding rollers.
- **MULTI-MAX** – Uses the sophisticated FIX HOOK & LOOP quick-release changing system.
- **MULTI-MAX** – Powerful, efficiency three-phase current motor with 750 W.
- **MULTI-MAX** – Transparent, folding grinding guard (to prevent flying sparks and dust).
- **MULTI-MAX** – Roller support for accurate work.
- **MULTI-MAX** – Adjustable support rail with safety hood for grinding discs up to Ø 180 mm.
- **MULTI-MAX** – Drive motor for flexible shaft for grinding and polishing with shaft abrasives.
- **MULTI-MAX** – Saves energy, utterly low noise in comparison to stationary belt grinding machines.



1

→ 78

Shaft mounting for all abrasives from the POLY-PTX® system (with 19 mm double keyway). Also for all Eco Smart system abrasives (with Eco Smart adapter).

→ 85



2

→ 24

M14 mounting for grinding discs with 22 mm borehole (for example flap discs and polishing discs from page 24).

3



→ 50

Uses the practical FIX HOOK & LOOP quick release changing system.



Extensive accessories supplied.
(See price list for details of content)

Docking flexible shaft (M14 thread, 7 mm core) for grinding and polishing work on awkward workpieces.



Machine stand

Sturdy steel machine stand with black powder coating.

Dimensions:
385 mm x 325 mm x 660 mm

→ 128

Can also be used with flexible shaft, see page 128.



Technical data

Mains connection	380 V ~ 50 – 60 Hz
Rating	750 watts
Speed	2,800 rpm
Weight	Approx. 23 kg



1

2

3

Eisenblätter VARILEX WSF 1800
Meisterklasse
Handwerk + Industrie
Heimwerker
Praxis 3/2013
Preis/Leistung: sehr gut
1,3

HEIMWERKER
TEST.DE
Eisenblätter VARILEX WSF 1800
Profiklasse
Preis/Leistung:
★★★★★
05/2013

VARILEX® WSF 1800

PROFESSIONAL



The ultimate one-handed angle grinder VARILEX® WSF 1800.

Now with even more power.
For all disc diameters up to 180 mm.



The most powerful speed-controlled
one-handed angle grinder in its class.

Strong as an ox and infinitely adjustable. One tool for all work.



VARILEX® WSF 1800

PROFESSIONAL

1,750 watts

For professional use!

- **VARILEX® WSF 1800** – Robust, extremely powerful motor with a rating of 1,750 W for demanding continuous use at maximum torque.
- **VARILEX® WSF 1800** – Can replace heavy two-handed angle grinders (for use up to Ø 180 mm).
- **VARILEX® WSF 1800** – Infinitely adjustable speed from 2,000 rpm to 7,600 rpm.
- **VARILEX® WSF 1800** – Tacho-generator keeps the speed constant even under load.
- **VARILEX® WSF 1800** – For grinding discs from Ø 100 mm to Ø 180 mm. Ideal for cleaning, final grinding and polishing non-ferrous metals, for the FIX HOOK & LOOP system and, with an adapter, for the MINI-FIX HOOK & LOOP system.
- **VARILEX® WSF 1800** – Balanced and vibration-damped handle for fatigue-free working.
- **VARILEX® WSF 1800** – Rubberised, particularly ergonomic handle makes for excellent handling and sensitivity whilst working.
- **VARILEX® WSF 1800** – For use as a drive motor for flexible shafts (M14 thread).
- **VARILEX® WSF 1800** – Ideal drive for high performance discs such as TRIMFIX® HellFire®, TRIMFIX® BLACK® MAMBA® and MAGNUM® COOL TOP® 5: Develops their full potential.
- **VARILEX® WSF 1800** – Ideal for working with flap discs, scrubbing and cutting discs.

VARILEX® WSF 1800

PROFESSIONAL



→ 128

Simple, fast disc changing using the EASYLOCK clamp nut (see TIP page 128).



Hinged and locking safety hood.



Exclusively from Eisenblätter: Rubberised handle for perfect, slip-proof handling.



Dust-tight field coil with special coating.



Service cover for fast replacement of the carbon brushes (see TIP).



Easy control of the speed during operation; tachogenerator for constant speed even under load.



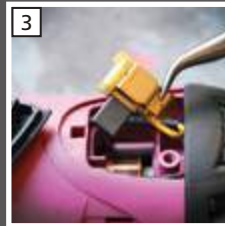
Ergonomically positioned locking ON/OFF switch.



QUICK-LOCK cable quick-release fastening for fast, easy replacements, for example of damaged cables.
Available cable lengths 4 m and 10 m (accessories)

→ TIP

Easy, fast replacement of carbon brushes



This is how easy it is to replace the carbon brushes. Simply unscrew the service cover and raise it, replace the used carbon brushes, replace the cover and secure it. That's all there is to it!

Technical data

Mains connection	230 V ~ 50 – 60 Hz (Alternatively 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 2,000 to 7,600 rpm, with tachogenerator for constant speed even under load
Weight	2.8 kg

4



Ready for a wide range of jobs
with the VARILEX® WSF 1800 Professional case set



VARILEX® WSF 1800 set in a practical transport case

VARILEX® angle grinder with a wide range of accessories for coarse grinding to a perfect mirror finish. (See price list for details of content)



Speed-controlled drive motor
for the flexible shaft

Flexible shaft for VARILEX® and MULTI-MAX

The VARILEX® WSF 1800 angle grinder can now be used for an even wider range of applications. The new flexible drive shaft with a sturdy 7 mm core and docking M14 thread means that the machine can now be upgraded to a professional drive motor. The VARILEX® WSF 1800 provides you with a powerful professional motor for all applications. Also ideal for 6 mm shaft abrasives. With adapter for polishing rings up to Ø 150 mm. **Can also be used with the MULTI-MAX.**



Safety hood for cutting discs

Completely surrounds the cutting disc. With locking mechanism for simple hood changing.



EASYLOCK Quick-release clamp nut

For the fast, safe clamping of discs without a clamping wrench and clamping bar. Ideal for Eisenblätter flap discs. Tightens automatically when loaded (see TIP).

→ TIP



Fast disc changing without using tools with the new EASY-LOCK clamp nut. Tighten the clamp nut by hand, lock the spindle then tighten the disc by hand.



VARILEX® WSF 905

PROFESSIONAL

**Ideal for flap discs
Ø 125 mm.**

Small, handy and powerful.
The perfect speed enables you
to work effectively with flap discs.



VARILEX® WSF 905 PROFESSIONAL

Very compact design



- **VARILEX® WSF 905** – Easy to use one-handed angle grinder with effective capacity for flap discs up to Ø 125 mm. Guarantees fatigue-free working.
- **VARILEX® WSF 905** – Compact all-rounder to carry around: Ideal for assembly use or on site.
- **VARILEX® WSF 905** – Improved speeds for a wide range of abrasives.
- **VARILEX® WSF 905** – High quality at compact architecture and low noise emission.
- **VARILEX® WSF 905** – Infinitely adjustable speed from 2,000 rpm to 8,000 rpm.
- **VARILEX® WSF 905** – Clever automatic shut down: Prevents overloads and switches straight back to power.

VARILEX® WSF 905

PROFESSIONAL



1 Simple, fast disc changing using the EASYLOCK clamp nut (see TIP page 128).



2 Hinged and locking safety hood.



3 Easy use of the spindle lock.



4 Infinite speed adjustment from 2,000 rpm to 8,000 rpm. Easy control of the speed during operation using the tachogenerator for constant speed even under load.

→ 128



Starter set with a wide range of accessories. (See price list for details of content)

Technical data

Mains connection	230 V - 50 - 60 Hz
Rating	850 watts
Speed	Infinitely adjustable from 2,000 rpm to 8,000 rpm, with tachogenerator for constant speed even under load
Safety electronics	Prevents accidental starting after a power cut
Weight	2.1 kg
Can be used up to	Ø 125 mm



Infinitely adjustable from 2,000 to 8,000 rpm



VARILEX® WSF 900 DUO

The Swiss army knife of angle grinders.



- VARILEX® WSF 900 DUO – the miniature workshop for all craftsmen for assembly, site and motor work – ideal for carrying with you.
- VARILEX® WSF 900 DUO – Compact angle grinder with high torque for flap discs up to Ø 115 mm, the FIX HOOK & LOOP system up to Ø 115 mm and with an adapter for the MINI-FIX HOOK & LOOP system.
- VARILEX® WSF 900 DUO – the handy, small power pack which offers incredible versatility and a low weight.
- VARILEX® WSF 900 DUO – Linear grinder with the easy to attach Eco Smart mounting for 50 mm wide grinding rollers.
- VARILEX® WSF 900 DUO – The new special gearbox with reduced speed and high torque makes it a multi-talented tool.
- VARILEX® WSF 900 DUO – With grinding belt roller for grinding and polishing pipes (for example open and close pipe constructions).
- VARILEX® WSF 900 DUO – For use as a pipe cutter with the MAGNUM® Finecut PLUS cutting disc which is just 1 mm thick.



→ 128

Simple, fast disc changing using the EASYLOCK clamp nut (see TIP page 128).



QUICK-LOCK cable quick-release fastening for fast, easy replacements, for example of damaged cables.
Available cable lengths 4 m and 10 m (accessories)



Infinite speed adjustment from 2,000 rpm to 5,000 rpm. Easy control of the speed during operation using the tachogenerator for constant speed even under load.



The safety hood for longitudinal grinding can simply be attached and screwed to the angle grinder.

→ TIP

By simply attaching the Eco Smart mounting it is now also possible to use 50 mm wide POLY-PTX® Eco grinding wheels (see page 23).

→ 85



Technical data

Mains connection	230 V ~ 50 – 60 Hz
Rating	850 watts
Speed	Infinitely adjustable from 2,000 rpm to 5,000 rpm, with tachogenerator for constant speed even under load
Safety electronics	Prevents accidental starting after a power cut
Weight	1.8 kg
Can be used up to	Ø 115 mm

2

Just 1.8 kg!

4

Linear grinder, pipe grinder, floor stand grinder and angle grinder in one!

1 tool - 4 functions

Thanks to super-fast tool conversion!

3



VARILEX® WSF 900 DUO set in a practical transport case

Possible uses extend from smoothing welds to producing a satin finish or polishing flat surfaces and pipes to a mirror finish, including polishing pastes and preservatives. (See price list for details of content)

■ **Accessories for VARILEX® WSF 900 DUO**



Wheel and Eco Smart adapter

This adapter makes the VARILEX® DUO angle grinder into a complete longitudinal grinder for the 50 mm wide grinding wheel in the POLY-PTX® and Eco Smart system. (From page 85)

Max. Speed: 6,000 rpm (M14 thread)



Expansion roller

For using all 50 mm wide grinding, Trizact™, SC fleece and SuperPolish sleeves on the VARILEX® WSF 900 DUO.

Max. Speed: 6,000 rpm (M14 thread)



Grinding belt roller (with inox edges)

For using grinding belts for treating open and closed pipe constructions.

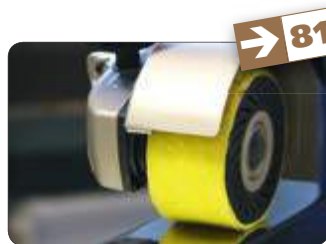
Wear-resistant, soft Vulcunan with side discs made of stainless steel and vibration-damping sleeve.

Max. Speed: 6,000 rpm (M14 thread)



Clamp holder

Practical steel clamp and suspension holder for securely fastening the VARILEX® WSF 900 DUO, for example if the machine is to be used as a floor stand grinder. The holder can be inserted in a vice or hung on a hook (for example on the ceiling). Ideal for two-handed working method. **Can also be used with PIPE-FIX DUO and MINI-MAX®.**



➔ **TIP**



The **MINI-FIX HOOK & LOOP system** adhesive backing plate with M14 thread extends the range of applications of the VARILEX® WSF 900 DUO by very fast disc changing for all hook and loop components to final grinding and polishing work as well as work in areas with difficult access. **There is a wide range of applications particularly in the motor trade.**

➔ **96**

MINI-FIX HOOK & LOOP system see page 96!



Protective goggles



Ear protection plugs



Comfortable face mask

WORK SAFETY

SAFETY HAS PRIORITY

New in product portfolio:
Products for work protection

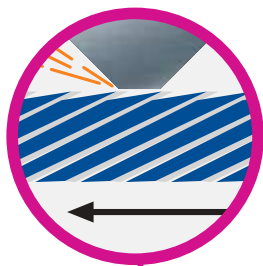
Safety has priority: We have expanded our portfolio to include high quality products related to all aspects of work protection and protective goggles, ear plugs and face masks.

Greatest possible work safety with highest quality

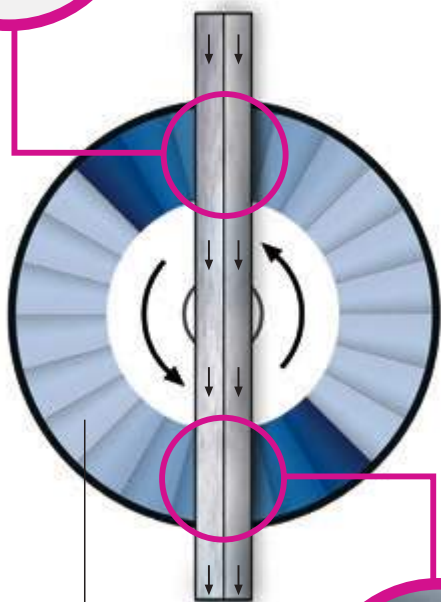
ROLEI

DEBURRING EQUIPMENT

Low abrasive costs

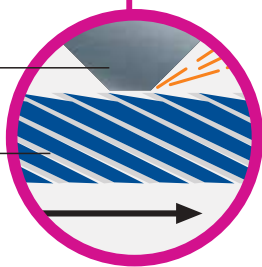


The deburring operation takes place in the opposite direction on two places on the disc



Workpiece

Flap disc



Grinding instead of milling saves a massive amount of working time and abrasive costs. **Perfect cross-grinding guarantees completely burr-free edges** without chatter marks in a single operation. **This elastic deburring tool can be used on all metals including stainless steel.**

ROLEI deburring and faceting machines use flat flap discs whilst the BE 5 sheet metal deburring machine uses flap mop wheels. The abrasives are **"self-sharpening"** and provide an extremely long service life.

The machines are easy and safe to operator whilst the abrasives can be changed quickly and easily.



ROLEI – excellent precision.

Perfect deburring made easy.



Bavarian State Prize: Gold Medal

Faceting and deburring by grinding instead of milling.

Unbeatable low cost and results!



ROLEI BE 5

SHEET METAL DEBURRING MACHINE



Sheet with burr after cutting



Deburring both sides of the sheet edges. Does not change the sheet dimensions.

Deburring fine sheet metal of any kind on both sides from 0 to 5 mm thick in **one operation**. No finishing required. Simple adjustment of the mop wheels when worn using a hand wheel.

1 set of mop wheels will deburr approx. 2,000 m of stainless steel sheet.

- Easy to use without previous experience.
- Two speeds.
- Deburring at low cost and quickly.

Optional accessories:

- Extraction flange for industrial extractor (Internal Ø 35 mm)
- Machine stand
- Spare mop wheels (grit 40, 60, 80, 120)



Can also be used on its side with roller tables for large, thin sheets.



Extraction flange for industrial extractor available as an option.

■ Practical accessories for BE 5

ROLEI BE 5

Sheet metal deburring machine

Low abrasive costs



Spare mop wheels for BE 5 sheet metal deburring machine.

1 set of mop wheels will deburr approx. 2000 m of stainless steel sheet.
Grit: 40, 60, 80, 120

Recommendation

Choose the right grit:

Inox/Steel.....grit 40/grit 60
Aluminium/Copper/Brassgrit 80/grit 120
Rigid plasticgrit120

Machine stand

Sturdy steel machine stand with black powder coating.

Dimensions:
385 mm x 325 mm x 660 mm



Teflon belts (self-adhesive)

For prism rail to prevent scratching the workpiece.

Dimensions:
20 mm x 700 mm



Supplied as standard with mop wheels with grit 60.
Depending on the required intensity and material, a different grit can also be selected.

Technical data

Mains connection	Three-phase current motor 380 V ~ 50 Hz, 0,2 KW
Speed	Setting 1: Fine deburring 600 rpm Setting 2: Standard deburring 1,200 rpm
Dimensions	700 mm x 325 mm x 200 mm
Weight	Approx. 29 kg
Options	Machine stand, extraction flange for industrial extractor

NEW

Main switch now with metal safety fence



ROLEI EF 165

FOR FACETS AT AN ANGLE OF 45°



Extraction flange for industrial extractor

Bavarian State Prize

Eisenblätter was awarded the Bavarian State Prize for its deburring machine at the Craft Fair in Munich.



Faceting and deburring machine with fixed facet angle of 45° and infinitely adjustable facet width from 0 to 10 mm for all metals from inox to aluminium. Infinitely precise adjustment of the facet width using a hand wheel.

- Simple to use.
- Very low cost spare abrasives with a massive service life (only disc will often last for months).
- Faceting possible for workpiece thicknesses from 2.5 mm.

Optional accessories:

- Three-phase current motor (230 V version)
- Extended support table 700 mm
- Machine stand
- Extraction flange for industrial extractor (Internal Ø 35 mm)
- Spare flap discs (grit 50, 60, 80, 120)



Low abrasive costs



Spare flap discs

The flat disc with special hard compression for deburring machines. Self-sharpening and extremely long service life.

Grit: 50, 60, 80, 120

Deburring all metals:

Steel, inox, non-ferrous metals, etc.



Extended support table

Made of gliding tool steel (1.2842).

Length:
700 mm (longer to order)



Spare flap discs

Platinum ceramic-hybrid flap disc for stainless steel, high-alloyed steel (INOX), titanium, bronze and other metals.

Grit: Multigrain 40/60

Deburring all metals:

Steel, INOX, titanium, bronze, non-ferrous metals etc.



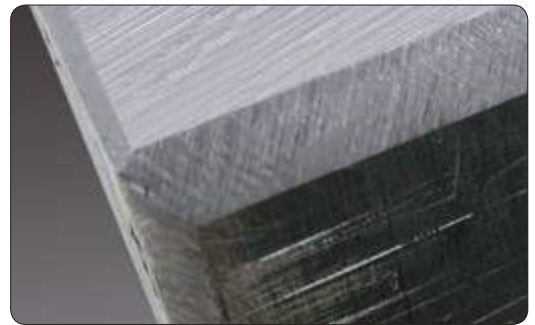
Machine stand

Sturdy steel machine stand with black powder coating.

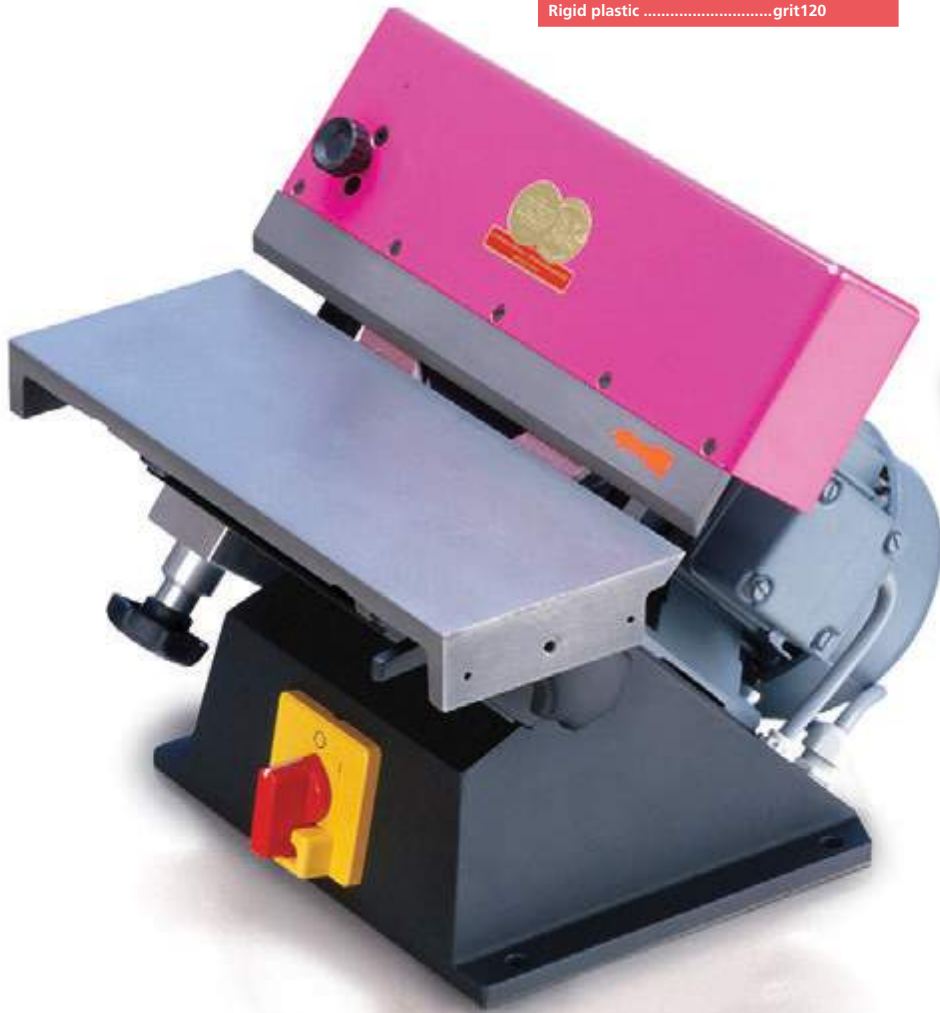
Dimensions:
245 mm x 215 mm x 660 mm

NEW
Increased removal rate & cooler grinding!

Recommendation
Choose the right grit:
Inox/Steel.....grit 40/grit 60
Aluminium/Copper/Brassgrit 80/grit 120
Rigid plasticgrit120



Workpiece faceted at an angle of 45° without opposite burr.



Perfect cross-grinding on faceting edge.

Supplied as standard with disc with grit 60. Depending on the required facet width and materials, a different grit can also be selected.

Technical data	
Mains connection	Three-phase current motor 380 V ~ 50 Hz, 0,55 KW; (Alternatively three-phase motor 230 V ~ 50 - 60 Hz)
Speed	2,800 rpm
Support table	120 mm x 320 mm
Dimensions	360 mm x 320 mm x 300 mm
Weight	Approx. 18 kg
Options	700 mm Support table, machine stand, extraction flange for industrial extractor

ROLEI PEF 500

FOR FACETS AT AN ANGLE OF 30° – 45° – 60°



The parts are faceted by perfect cross-grinding and completely without opposite burr.



The facet width can be adjusted precisely using a hand wheel.



The disc wear is adjusted using a hand wheel with a threaded spindle. The facet angle can be adjusted using a motorised system.



Extraction flange for industrial extractor.

Very robust precision deburring and faceting machine for all metals from inox to aluminium.

Adjustable facet angles of 30°–45°–60° and infinitely adjustable facet width 0 – 10 mm (precise setting using knurled division).

- Simple to use.
- Very low cost spare abrasives with a massive service life (one disc will often last for months).
- Faceting possible for workpiece thicknesses from 2.5 mm.

Optional accessories:

- Three-phase current motor (230 V version)
- Extraction flange for industrial extractor (Internal Ø 35 mm)
- Spare flap discs (Grit 50, 60, 80, 120)

■ Practical accessories for PEF 500

ROLEI PEF 500

Low abrasive costs



Spare flap discs

The flat disc with special hard compression for deburring machines. Self-sharpening and extremely long service life.

Grit: 50, 60, 80, 120

Deburring all metals:

Steel, inox, non-ferrous metals, etc.



Machine stand

Sturdy steel machine stand with black powder coating.

Dimensions:

505 mm x 305 mm x 660 mm



Spare flap discs

Platinum ceramic-hybrid flap disc for stainless steel, high-alloyed steel (INOX), titanium, bronze and other metals.

Grit: Multigrain 40/60

Deburring all metals:

Steel, INOX, titanium, bronze, non-ferrous metals etc.



The easily interchangeable, flat flap disc produces a chamfer which creates zero opposite burr.

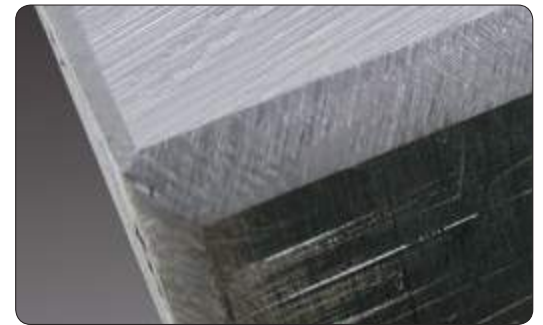
NEW

Increased removal rate & cooler grinding!

Recommendation

Choose the right grit:

Inox/Steel.....grit 40/grit 60
Aluminium/Copper/Brassgrit 80/grit 120
Rigid plasticgrit120



Infinitely adjustable facet angle from 30° – 45° – 60°.

Perfect cross-grinding on faceting edge.

Supplied as standard with disc with grit 60.

Depending on the required facet width and material, a different grit can also be selected.

Technical data

Mains connection	Three-phase current motor 380 V ~ 50 Hz, 0,55 KW; (Alternatively three-phase motor 230 V ~ 50 - 60 Hz)
Speed	2,800 rpm
Dimensions	500 mm x 350 mm x 350 mm
Weight	Approx. 40 kg
Options	Machine stand, extraction flange for industrial extractor



1,750 watts

For professional use!

ROLEI EF 115

MANUAL DEBURRING AND FACETING MACHINE



The handy deburring machine for awkward, heavy parts such as large machine tables, frame constructions or large sheet metal panels. Simple to handle and good edge control.

The ROLEI EF 115 is also ideal for weld chamfering. Fixed facet angle 45° and infinitely adjustable facet width from 0 to 10 mm.

Now with rubberised handle for perfect handling!

The handy ROLEI EF 115 enables you to deburr and facet large heavy parts easily. Precise edge guidance guarantees chamfers at 45° with no counter-burr.

Low abrasive costs



1
Exclusively from Eisenblätter:
Rubberised handle for perfect,
slip-proof handling.



2
Dust-tight field coil with
special coating.



3
Service cover
allows the carbon
brushes to be changed quickly
(see TIP page 127).



4
Easy control of the speed
during operation; tacho-
generator for constant speed
even under load.



5
Ergonomically positioned
locking ON/OFF switch.



6
QUICK-LOCK cable quick-release
fastening for fast, easy replace-
ments, for example of damaged
cables.
Available cable lengths
4 m and 10 m (accessories)



7
Simple disc changing.

NEW

Discs with grit 40 can
now also be used for
even faster material
removal.



Spare flap discs (flat)

Ceramic-Hybrid
Special disc for grinding metals with
hard machining characteristics, like
stainless steel, titanium, bronze etc.
Grit: Multigrain 40 / 60



Spare flap discs (flat)

Universal disc with double layer of flaps
The double flaps ensure particularly
aggressive grinding properties with a
very long service life of the disc.
Grit: 40, 50, 60, 80, 120



Recommendation

Choose the right grit:

Inox/Steel.....grit 40/grit 60
Aluminium/Copper/Brassgrit 80/grit 120
Rigid plasticgrit120

Supplied as standard with disc with grit 60.

Depending on the required intensity and material,
a different grit can also be selected.

Technical data

Mains connection	230 V ~ 50 – 60 Hz (Alternatively 110 V ~ 50 – 60 Hz)
Rating	1,750 watts
Speed	Infinitely adjustable from 2,000 to 7,600 rpm
Weight	4.1 kg





EISENBLÄTTER

MAGAZINE

All important facts about our products.

Every issue includes current news about Gerd Eisenblätter GmbH and much more. You can order all digital issues of our magazine by e-mail (info@eisenblaetter.de) as PDF or as a print edition free and without obligation!



The Eisenblätter website offers the tradesman a whole host of useful features.

- All Eisenblätter products at a glance.
- Application videos with helpful tips straight from the manufacturer – from professionals for professionals.
- Operating instructions for current Eisenblätter products for printing out.
- Background information on the history of Eisenblätter.
- **The online shop from Eisenblätter:**
This enables you to order all Eisenblätter products quickly and easily on the internet.



Imprint

Redaktion:
Gerd Eisenblätter GmbH
Jeschkenstraße 10
82538 Geretsried
GERMANY

Phone: +49 (8171) 93 84 - 0
Fax: +49 (8171) 93 84 - 55

E-Mail: info@eisenblaetter.de

www.eisenblaetter.de
www.trimfix.de

Photographs and graphs:
Gerd Eisenblätter GmbH

Copyright
All photographs art design and texts are copyrighted material with all rights reserved and are property of the Gerd Eisenblätter GmbH. Replication, usage and duplication, also in extracts may only be permitted with clear approval of the Gerd Eisenblätter GmbH.

Printed by:
BluePrint AG

Cover picture:
TRIMFIX® BLACK MAMBA®

Subject to change

1st edition 2014



NEW

Grit 60



Grit 80

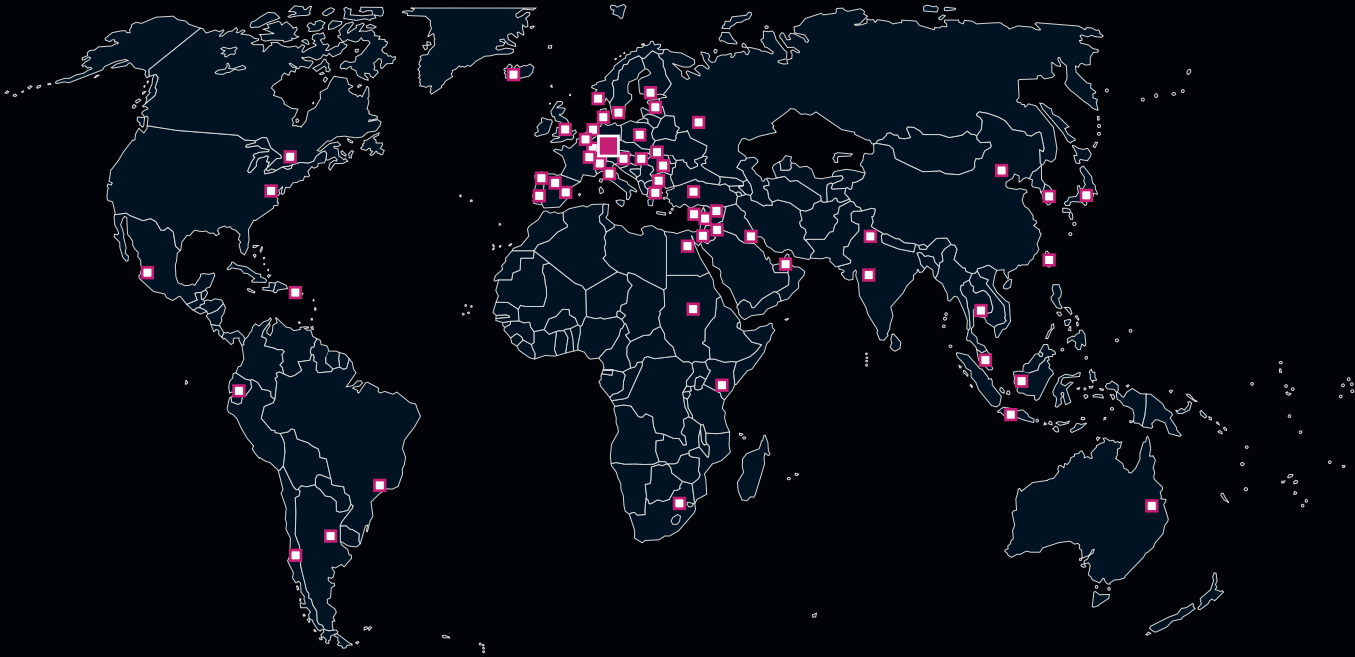


EXCLUSIVELY FROM EISENBLÄTTER: FLEECE AND MIX WHEELS GRIT 60!

The revolution in the field of grinding wheels: Eisenblätter is offering now world exclusively FLEECE and MIX wheels in grit 60. While treating stainless steel you have to apply often a considerably rougher grinding pattern, to remove and hide fingerprints and contaminations. Up to date this was solely known to work with coarse grinding wheels or GUM wheels - purely with the downside however that often each grinded path was inconveniently visible and shadows would occur. Eisenblätter has now succeeded to produce with FLEECE and MIX wheels in grit 60 a whole new unique material, that is purely coarser and has excellent grain stability. In addition to the FLEECE wheel the MIX wheel grit 60 will simultaneously remove scratches as well. Here we recommend a second grinding with pure FLEECE material to prevent shadows inside the material.

The result of using the new wheels is a very decorative and strong grinding pattern, that rarely needs post-processing: The operator can safe multiple work steps. Due to the new enhanced grain stability a early loss of grinding components is clearly prevented, what has a very positive effect on the Eisenblätter wheel's service life.

■ Gerd Eisenblätter GmbH – Worldwide



■ Present at international trade shows



Gerd Eisenblätter GmbH
Jeschkenstraße 10
82538 Geretsried
GERMANY

Phone: +49 (81 71) 93 84 - 0
Fax: +49 (81 71) 93 84 - 55

E-Mail: info@eisenblaetter.de

www.eisenblaetter.de


EISENBLÄTTER
High tech grinding and polishing technique