

POLY-PTX® PRO GUIDE

APPLICATION TIPS FOR YOUR POLY-PTX® SATIN FINISHING MACHINES



EISENBLÄTTER

Simply better ideas.



EISENBLÄTTER POLY-PTX® SATIN FINISHING MACHINES – SHADOW-FREE SATIN FINISHING, BRUSHING AND POLISHING

POLY-PTX® 800



TECHNICAL SPECIFICATIONS

Item number	40002 (EU)
Power	1,750 W
Speed	1,000 – 3,800 min ⁻¹
Torque	approx. 10 Nm
Mains connection	220 – 240 V ~ 50 – 60 Hz
Cable type	QUICK-LOCK
Mount	19 mm double keyway
Working width	max. 100 mm
Working width with Eco Smart Adapter (optional)	max. 150 mm
Roller diameter	max. 115 mm
Weight	3.3 kg

- QUICK-LOCK cable connection
- Particulate matter protection cap
- Transparent protective cover extension

POLY-PTX® 802 HT



TECHNICAL SPECIFICATIONS

Item number	40201 (EU) 40201a (GB)
Power	1,750 W
Speed	820 – 3,000 min ⁻¹
Torque	approx. 17 Nm
Mains connection	220 – 240 V ~ 50 – 60 Hz resp. 110 – 120 V ~ 50 – 60 Hz
Cable type	Permanent connection
Mount	19 mm double keyway
Working width	max. 100 mm
Working width with Eco Smart Adapter (optional)	max. 150 mm
Roller diameter	max. 115 mm
Weight	2.8 kg

- Planetary gear
- Particulate matter protection cap
- Transparent protective cover extension

POLY-PTX® AKKU HT



TECHNICAL SPECIFICATIONS

Item number	40301
Power	18 V
Speed	1,600 min ⁻¹
Torque	approx. 8 Nm
Battery	CAS 5.5 Ah (optional 8.0 Ah)
Mount	19 mm double keyway
Working width	max. 100 mm
Working width with Eco Smart Adapter (optional)	max. 150 mm
Roller diameter	max. 115 mm
Mains connection charging device	220 – 240 V ~ 50 – 60 Hz
Weight	3.0 kg

- Planetary gear
- Particulate matter protection cap
- Fully compatible with all batteries of the
Cordless Alliance System (CAS)

PTX COMPACT HT



TECHNICAL SPECIFICATIONS

Item number	40401 (EU) 40401a (GB)
Power	1,100 W
Speed	800 – 3,000 min ⁻¹
Mains connection	220 – 240 V ~ 50 – 60 Hz resp. 110 – 120 V ~ 50 – 60 Hz
Cable type	Permanent connection
Mount	M14 thread
Working width	max. 50 mm
Roller diameter	max. 115 mm
Weight	2.7 kg

- Planetary gear
- Particulate matter protection cap

EISENBLÄTTER POLY-PTX® SATIN FINISHING MACHINES – SHADOW-FREE SATIN FINISHING, BRUSHING AND POLISHING

FROM PROFESSIONALS FOR PROFESSIONALS

In this “Professional Guide” for the Eisenblätter POLY-PTX® linear grinding machines, we provide you with valuable tips and assistance for the efficient, time and cost-saving use of our tools.

Depending on the application, it requires different tools and work steps.

On each double page you will find appropriate information on sanding, cleaning, mirror polishing or processing wood and pipes. All tools required for the respective work step are also clearly displayed. In addition, we give you recommendations on the speed used and numerous expert tips. So that you too can achieve the desired work result in a professional manner.

EXCLUSIVELY FROM EISENBLÄTTER

THE BALANCING PROCESS FOR LINEAR GRINDING ROLLERS

The quality of the surface finish depends crucially on the concentricity of the grinding rollers. Due to production and raw materials, there is often an imbalance in the individual grinding rollers, which results in imbalance and vibrations. This is transferred to the work-piece – chatter marks as well as shading and thus an unclear grinding pattern are the result.

The balancing process

The Eisenblätter rollers are balanced by a specially designed machine (similar to car tires). An imbalance is thus balanced out with the aid of a counterweight. Eisenblätter offers this benefit exclusively for a large number of products worldwide.

The result

The roller runs perfectly round. This guarantees high quality sanding and satin finishing. Surfaces can be processed perfectly, time-consuming and costly rework, such as surface finishing with unbalanced grinding rollers, is not necessary.

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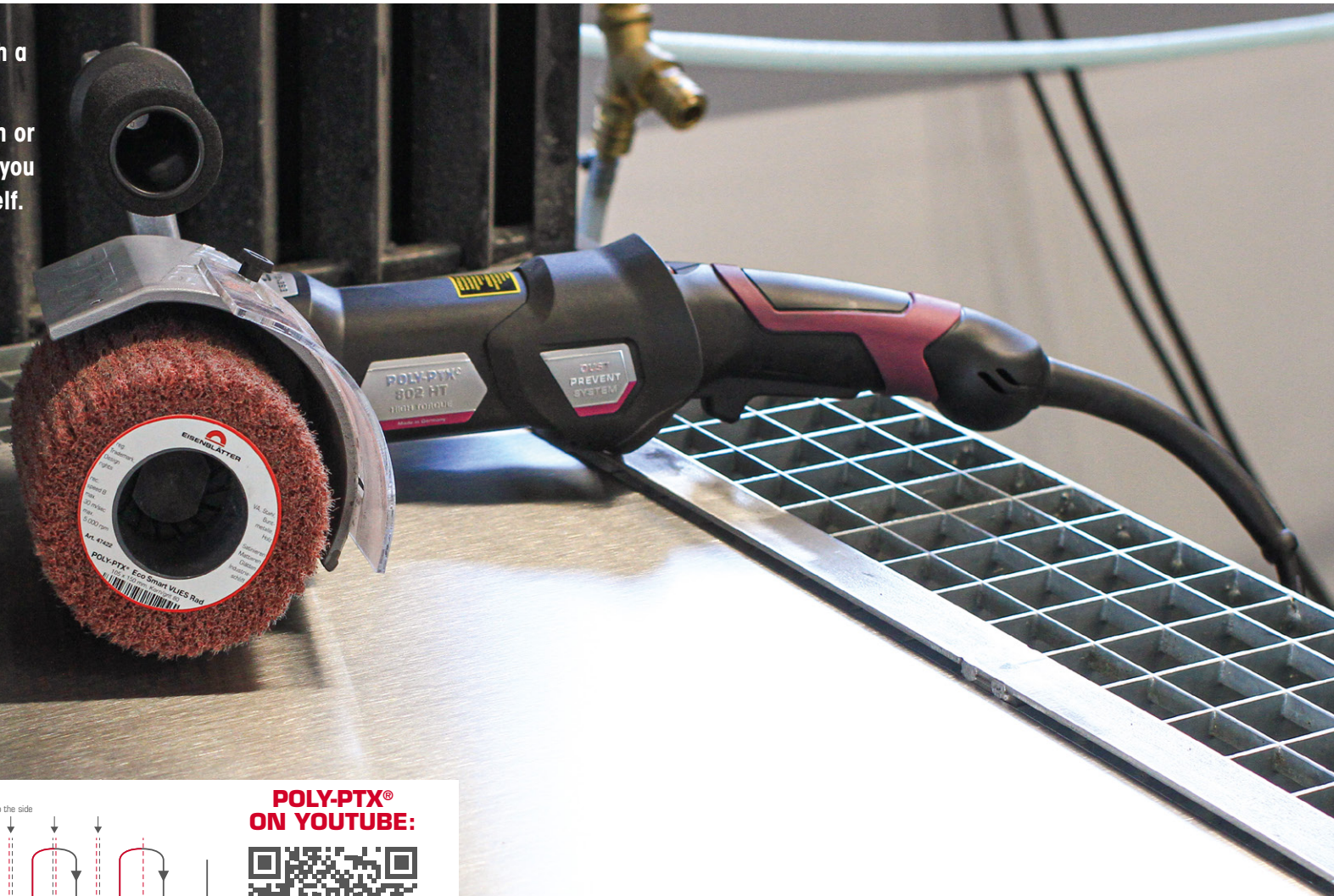
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CREATE AN INDUSTRIAL FINISH

By default, stainless steel is usually sold with a longitudinal grain pattern of 240 grain.

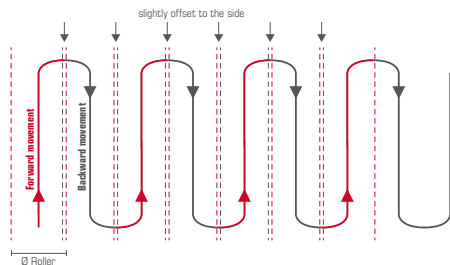
This sanded surface is called industrial finish or satin finish. With Eisenblätter fleece wheels, you can easily create this grinding pattern yourself.

INDUSTRIAL FINISH



TIP Oscillation technique

With short strokes – back and forth in the longitudinal direction – with simultaneous lateral displacement, you can achieve seamless, decorative surfaces (industrial sanding).

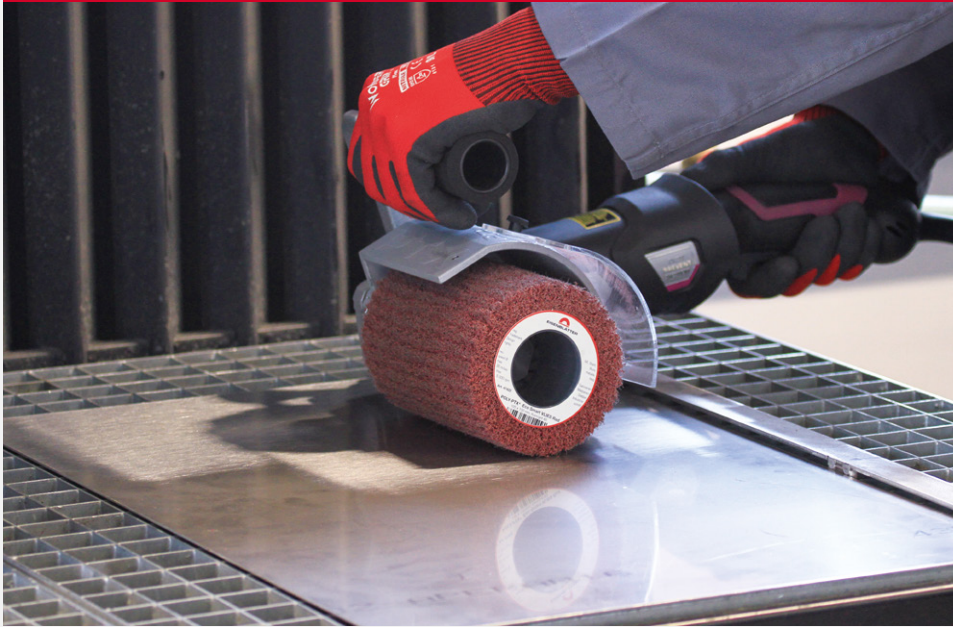


POLY-PTX® ON YOUTUBE:



CREATE AN INDUSTRIAL FINISH

INDUSTRIAL FINISH



The entire surface is ground in an oscillating manner with the POLY-PTX® fleece wheel.

Recommended speed:

1,000 – 2,000 min⁻¹

PRODUCTS USED

Item 47422



Eco Smart fleece wheel

Item 43101



Fleece wheel

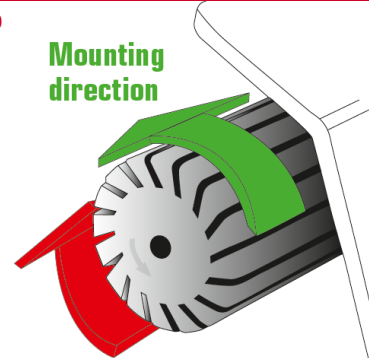
Item 40451



Fleece wheel with M14 thread

TIP

Mounting
direction



Lock



USING THE ECO SMART ADAPTER

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

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



Item 42004

Eco Smart adapter

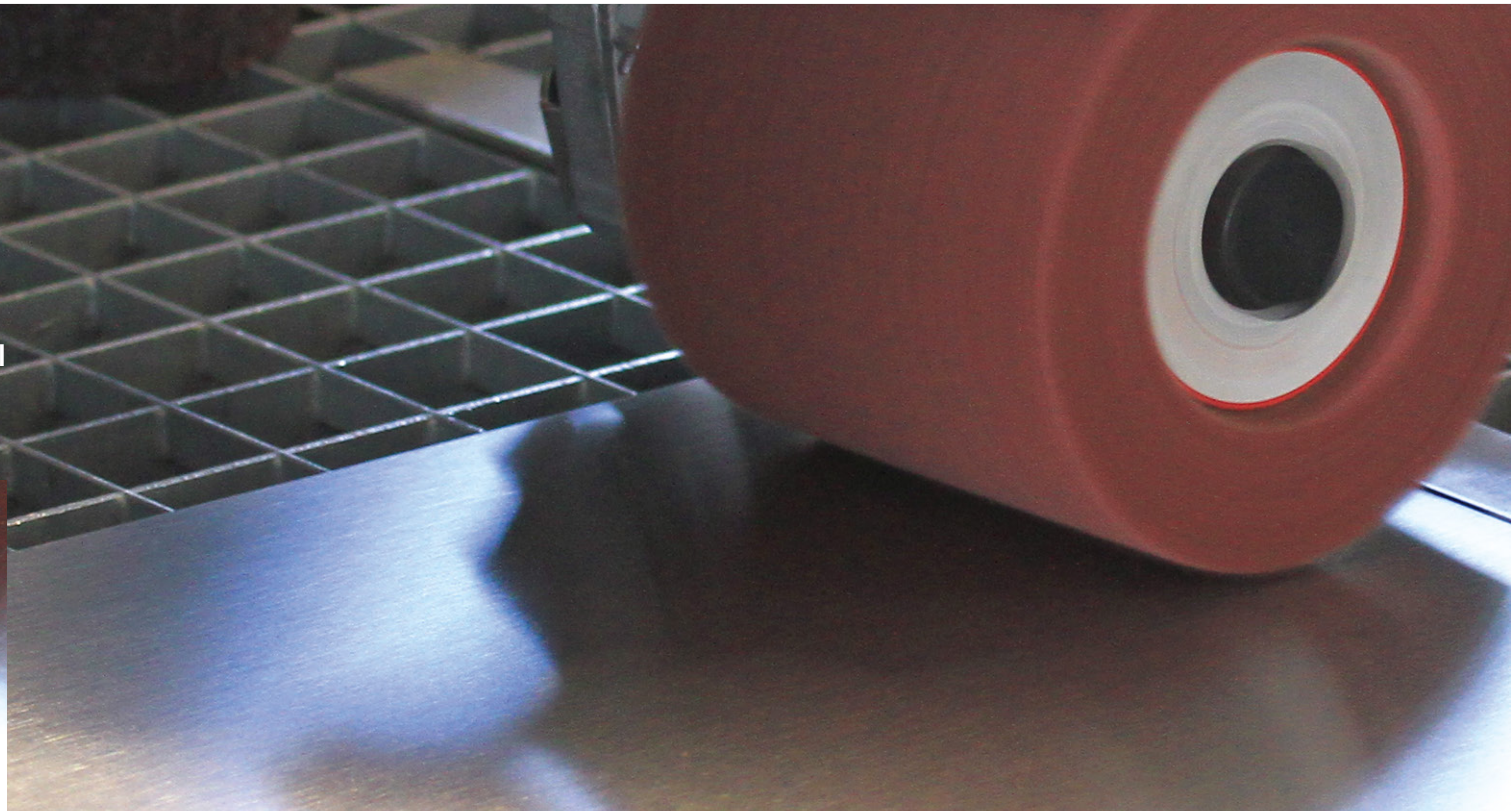
REMOVE SCRATCHES AND CREATE AN INDUSTRIAL FINISH WITH ZIRCON SLEEVES, SC FLEECE SLEEVES AND THE POLY-PTX® FLEECE WHEEL

In the production of stainless steel containers, switch cabinets or stainless steel furniture, sheet metal with a so-called industrial finish is usually used. During product manufacture, welding, bending, drilling, etc.

In doing so, scratches can hardly be avoided, which then have to be removed again. Industrial sanding can be created from scratch on bare metal sheets with a POLY-PTX® satin finishing machine.

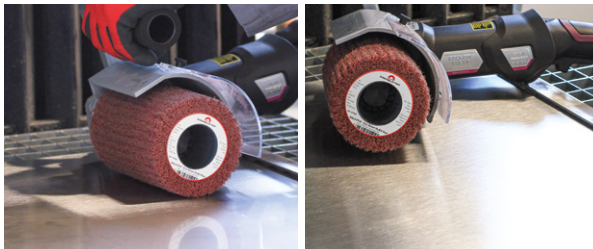


BEFORE



AFTER

TIP



Recommendation for larger surfaces

Use the extra-wide fleece wheels with the separately available POLY-PTX® Eco Smart adapter.

Item 42004

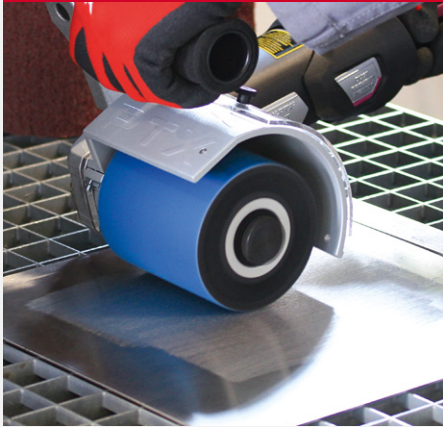


Item 47422



REMOVE SCRATCHES AND CREATE AN INDUSTRIAL FINISH WITH ZIRCON SLEEVES, SC FLEECE SLEEVES AND THE POLY-PTX® FLEECE WHEEL

REMOVE SCRATCHES



Use a zircon sleeve to **grind scratches out of the surface**. Then completely sand the surface around the flaw once.

Recommended speed: 1,000 – 2,000 min⁻¹

PRODUCTS USED

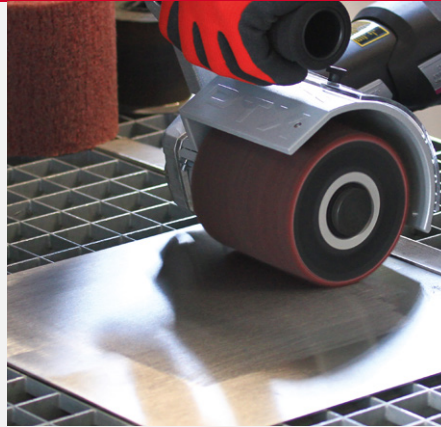
Zircon sleeve grit 80

Item 42080



Expansion roller

Item 42002



Finely sand the pre-sanded surface with the **SC fleece sleeve**.

Recommended speed: 1,000 – 2,000 min⁻¹

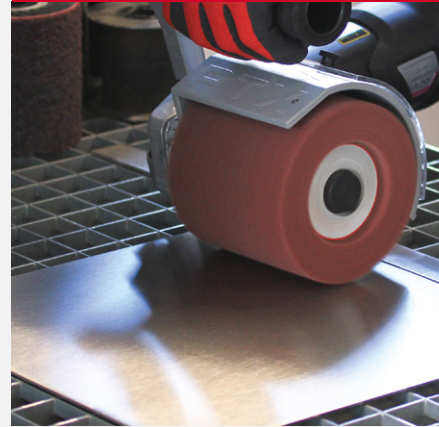
PRODUCTS USED



SC fleece sleeve (coarse)

Item 42011

INDUSTRIAL GRINDING



Finally, the entire **surface is reworked** with the **POLY-PTX® fleece wheel in an oscillating manner**. Be sure to use the correct grit for your application

Recommended speed: 1,000 – 2,000 min⁻¹

PRODUCTS USED

Fleece wheel grit 80

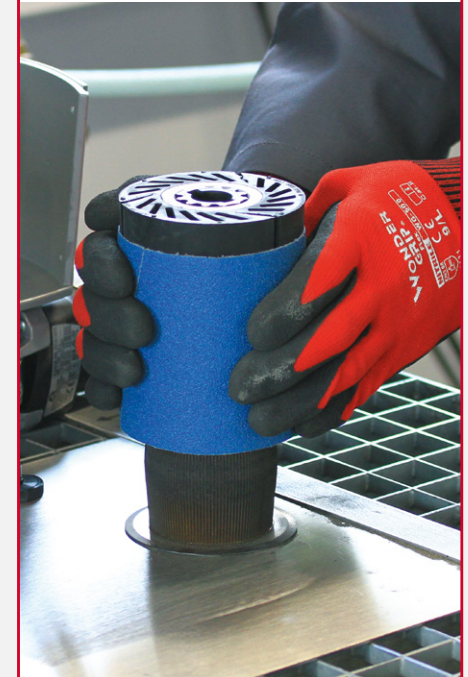
Item 43101



Fleece wheel with M14 thread grit 80

Item 40451

TIP



SLEEVE CHANGE

Simply place the expansion roller with the old sleeve on a tool with a smaller diameter (e.g. sanding belt roller) and pull it down with both hands. This way sleeves can be changed in seconds.

REMOVE LIGHT MILL SKIN AND SCRATCHES AS WELL AS INDUSTRIAL SANDING NO. 4 IN ONE STEP, THANKS TO FLEECE WHEEL CUT & POLISH (S/C)

The removal of mill skin in particular often requires coarser tools, as these are harder than the base material.

Then the grinding pattern has to be painstakingly built up and finally sanded down with the desired grain size.

With the fleece Rad Cut & Polish (S / C), additional work steps are a thing of the past.

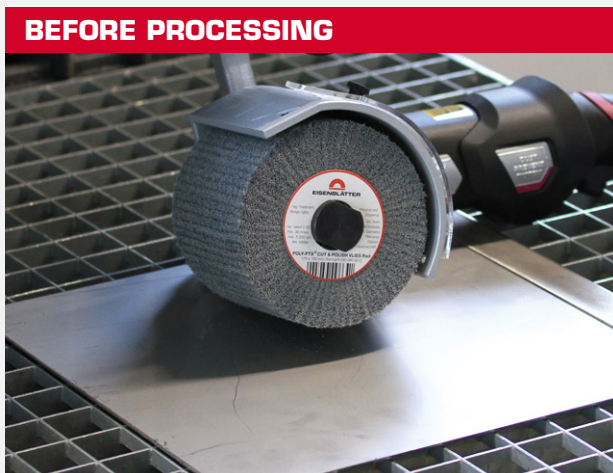


BEFORE

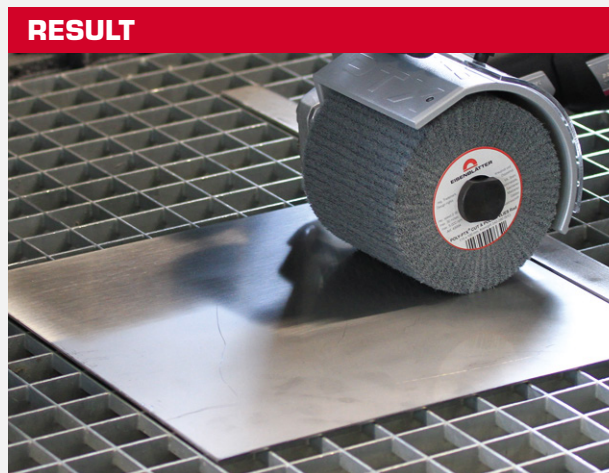


AFTER

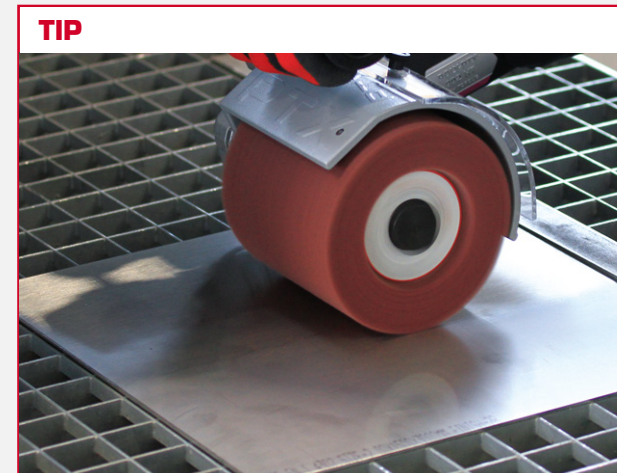
REMOVE LIGHT MILL SKIN AND SCRATCHES AS WELL AS INDUSTRIAL SANDING NO. 4 IN ONE STEP, THANKS TO FLEECE WHEEL CUT & POLISH (S/C)



Light scratches and rolled skin can easily be removed with the Fleece Wheel Cut & Polish.



A micrograph grit 240 – 280 (industrial finish no. 4) is generated.



TIP

If a finer finish than grain grit 240 – 280 is required, the pre-sanded surface can then be reworked with a fleece wheel (grit 400, grit 600 or grit 900).

Recommended speed:

1,000 – 2,000 min⁻¹

Recommended speed:

1,000 – 2,000 min⁻¹

PRODUCTS USED

Fleece wheel cut & polish (S/C)

Thanks to an extremely high grain content in conjunction with a silicon / carbide grain mixture, the well-known satin finish (**industrial finish grit 240 – 280**) can be achieved incredibly quickly in the stainless steel sector. You can even satinise untreated stainless steel surfaces directly **without any preparatory work**.

Recommendation in the event of scratches: preliminary work with fleece wheel, grit 60.

Oxide layers are **quickly broken through** due to the high grain content. The bright, glossy finish creates **an optically very attractive effect**.



Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Packaging unit	Item number
Ø 115 x 100 x 19	1,000 – 2,000	5,000	1	43004

Fleece wheel

Compact high-tech fleece roller made of compressed nylon grain fleece for industrial sanding



Item 43901

Ideal speed
(min⁻¹)

1,000 – 2,500



Item 40451

Max. speed
(min⁻¹)

5,000

TARGETED REPAIR OF PRE-GROUND SHEETS WITH POLY-PTX® CLEAN WHEEL SOFT

Often, stainless steel sheets are bought and processed already pre-ground in order to avoid the laborious creation of the grinding pattern.

But what to do if there is a slight scratch during assembly?

In the past, you had to rework the entire surface, but thanks to the CLEAN Soft wheel, this is no longer necessary.

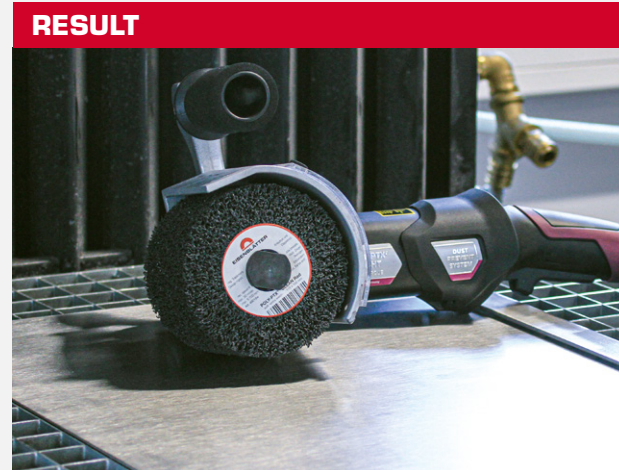


BEFORE

AFTER

TARGETED REPAIR OF PRE-GROUND SHEETS WITH POLY-PTX® CLEAN WHEEL SOFT

TARGETED REPAIR OF PRE-GROUND SHEETS



With the POLY-PTX® Clean Rad Soft, slight scratches can be removed from pre-sanded surfaces (grit 240) without sanding the entire surface. For this purpose, **the clean wheel soft is used to only partially sand the light scratch and adjust the surface with short strokes.** The fineness of the grinding pattern can be adjusted via the contact pressure.

The scratch has visually disappeared. The point is integrated homogeneously into the micrograph.

PRODUCTS USED

POLY PTX® Clean Wheel Soft

Cleaning and pore-deep removal of paint, rust, scale and dirt from all materials. Works like sandblasting and cleans without removing material. Ideal in body construction, the automotive industry, in shipyards and for renovation work in the painting and building trade. Can also be used for coarse satin finishing (grit 60).



Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Packaging unit	Item number
Ø 115 x 100 x 19	1,000 – 2,000	5,000	2	40018w
Ø 115 x 50 x 19	1,000 – 2,000	5,000	4	40018wa
Ø 115 x 50 x M14	1,000 – 2,000	5,000	2	40481

Recommended speed: 900 – 1,500 min⁻¹



PERFECT MITRE CUT WITH POLY-PTX® AND THE STAINLESS STEEL COVER PLATE

As soon as tubular structures, frames and racks made of stainless steel are welded, it becomes necessary to grind the resulting mitre at 45° angles. A problem that can usually only be overcome with a lot of experience and skill. On this page we will show you step by step how you can easily create a perfect mitre cut.

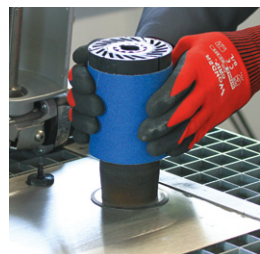


BEFORE



AFTER

TIP



POLY-PTX® expansion roller

A special innovation is the patented 3-way segmented expansion roller. Improves every grinding and polishing pattern due to the optimal work-piece adaptation.

- To easily change the sleeve, remove the expansion roller from the machine, hold on to the sleeve and press the expansion roller onto an object with a smaller diameter.

Stainless steel cover plate, thin and self-adhesive

The cover plate for precise bevelled edges can be cut to size with household scissors. For neat masking for the perfect mitre cut on all materials. Self-adhesive and removable without leaving any residue – guarantees uncomplicated handling without reworking.

- Both side edges of the cover plate can be used.
- When using the cover plate, always work with gloves, as the sharp corners of the thin plate can lead to injuries.



PERFECT MITRE CUT WITH POLY-PTX® AND THE STAINLESS STEEL COVER PLATE



STEP 1

Remove the weld seam with a suitable flap disc (ideally with an elastic support plate). A fine grain size such as grain 80 or 120 is recommended here.



STEP 2

Mask the work-piece at the desired location with the stainless steel cover plate. Since the cover plate is only 0.1 mm thin, a minimal offset to the actual mitre is sufficient.



STEP 3

Sand the uncovered area with a zircon sleeve until the sanding marks on the flap disc have disappeared. When rough pre-sanding, carefully sand over the edge to prevent the thin cover plate from sanding through.



STEP 4

Finely sand the pre-sanded surface with the SC fleece sleeve.



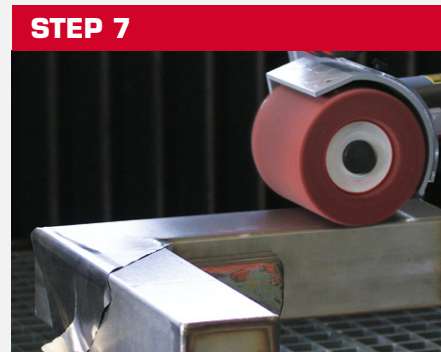
STEP 5

The final generation of the micrograph takes place with POLY-PTX® fleece wheel (recommendation 80 grit, for industrial sanding 240 grit).



STEP 6

Move the cover plate to the unsanded surface (glue with the unsanded edge to the sanding surface). Pay attention to the heat in the material!



STEP 7

Repeat steps 3 to 5 on the still un-sanded surface.



STEP 8

Pull off the cover plate, done.

PRODUCTS USED



PLANTEX® Cool Top® grit 80
Item 92280



Stainless steel cover plate
Item 40070



Zircon sleeve
Item 42080



SC fleece sleeve
Item 42011



Fleece wheel
Item 43101



Fleece wheel with M14 thread
Item 40451

CREATE STRONG LONGITUDINAL STRUCTURES IN A FLASH WHILE REMOVING SCRATCHES, PAINT, RUST OR OXIDE WITH THE POLY-PTX® FLAP WHEEL

Remove paint and create a strong finish at the same time – here on a solid attachment.



CREATE STRONG LONGITUDINAL STRUCTURES IN A FLASH WHILE REMOVING SCRATCHES, PAINT, RUST OR OXIDE WITH THE POLY-PTX® FLAP WHEEL

APPLICATION



Exact outer edges

The grinding tool is guided **along the outer weld seam with even forward and backward movements** in order to avoid undesired rounding of the edge. It is important to ensure that the mop wheel is placed flat.

Recommended speed:

1,000 – 2,000 min⁻¹

PRODUCTS USED

Flap wheel – highly elastic, inexpensive and long service life

With the POLY-PTX® mop wheel, you can work particularly well in the outer edge area, such as B. when removing a weld seam in tank construction.

For **removing rust, oxide layers, paint, scratches** and for **strong structuring and satin finishing** of metals.

With vibration-damped sleeve for 1-way, 2-way and 4-way spline shaft, thus 100% concentricity.



Item 41440



Item 40431

Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Material	Packaging unit	Grit
Ø 105 x 100 x 19	1,000 – 2,000	5,000	Corundum fabric	2	40 / 60 / 80 / 120 / 180
Ø 105 x 50 x 19	1,000 – 2,000	5,000	Corundum fabric	4	24 / 40 / 60 / 80 / 120 / 180 / 240
Ø 105 x 50 x M14	1,000 – 2,000	5,000	Corundum fabric	4	24 / 40 / 60 / 80

MIRROR FINISH ON FLAT STAINLESS STEEL OR NON-FERROUS METAL SURFACES WITH POLY-PTX® TZ-PYRAMID AND BRIGHTEX® SLEEVES

Mirror polishing is playing an increasingly important role in many industries, such as: kitchen, sanitary, elevator construction, chemistry, food industry, yacht construction, medicine, decorative facade construction etc.

The demands made on the surface quality (mirror finish) are becoming ever higher.

You can proceed as follows with a POLY-PTX® linear grinding machine.



TIP

The ideal solution for flat surfaces: POLY-PTX® 802 HT in connection with the BRIGHTEX® system!



Item 42265



Item 42014

Fast and cost-effective working with TZ-Pyramid

Due to the pyramid-shaped structure, the TZ-Pyramid abrasive cloth enables high material removal with a very fine sanding pattern at the same time. It is ideal for pre-sanding (e.g. removing slight scratches).

When grinding with TZ-Pyramid sleeves, only work with low pressure: The weight of the grinding machine is usually sufficient, otherwise the tips of the pyramids will break off and the service life will be reduced many times over.

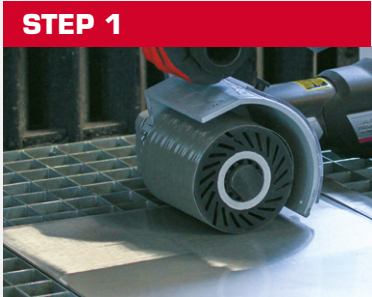


Mirror polishing of flat and uneven surfaces

In the case of **flat surfaces**, it is advisable to use sanding sleeves together with an iron sheet expansion roller.

On **uneven surfaces**, medium top gloss rings for stainless steel for main polishing with pastes, soft top gloss rings for final polishing with polishing cream and cotton rings (see page 17) for non-ferrous metals have proven themselves in practice. These rings adapt optimally to the contours on the work-piece surface.

MIRROR FINISH ON FLAT STAINLESS STEEL OR NON-FERROUS METAL SURFACES WITH POLY-PTX® TZ-PYRAMID AND BRIGHTEX® SLEEVES



STEP 1

Pre-sanding

(Only with previous damage)

Use a coarse TZ-Pyramid sleeve (depending on the surface: A160, A100, A65) to remove scratches and mill skin. The ceramic sleeve grit 60 and the zirconium sleeve grit 60 are recommended for very deep scratches on stainless steel. (Larger weld seams are levelled in advance with flap discs).

Recommended speed: 1,000 – 2,000 min⁻¹



STEP 2

Intermediate sanding

Now sanding is carried out step by step with the different grit sizes of the TZ-Pyramid sleeves from A45 to A16. It is essential to sand across and diagonally to the working direction so that the surface is evenly "removed" and an even "polishing level" is created. Clean the surface.

Recommended speed: 1,000 – 2,000 min⁻¹



STEP 3

Main polish

Then the main polishing takes place with the BRIGHTEX® Berry sleeve. Here you also work across and diagonally.

Recommended speed: 1,000 – 2,000 min⁻¹



STEP 4

Remove paste residues

Important: wipe off the paste residues after each polishing step! Use either a liquid cleaner such as the POWER CLEANER or the Softclean Powder, which you can simply sprinkle on. Carefully wipe the work-piece surface with a clean microfibre cloth.

Recommended speed: 1,000 – 2,000 min⁻¹



STEP 5

Final polish

The final polishing is done with the BRIGHTEX® Sun polishing sleeve. Here you only have to polish in one direction. This step removes the last streaks and polishing mist from the polished surface. **Important: Do not mix different pastes. Apply the pastes and cream to the sleeve or rings – not to the work-piece!**

Recommended speed: 1,000 – 2,000 min⁻¹

PRODUCTS USED

Ceramic sleeve (Item 42460) Zircon sleeve (Item 42060) TZ-Pyramid sleeve (Item 42293) Expansion roller (Item 42002)

TZ-Pyramid grid	A160	A100	A65	A45	A30	A16	A06
Micrograph corresponds to grid	120	220	320	400	600	1,200	2,000
Material removal corresponds approx. grid	24	36	40	50	60	80	120

PRODUCTS USED

BRIGHTEX® polishing sleeve (Item 42014)

Item 40013

Item 40014

Polishing pastes "classic"

PRODUCTS USED

Softclean Powder (Item 40028) POWER CLEANER (Item 40055)

Item 40031

BRIGHTEX® microfibre cloth

PRODUCTS USED

Mirror finishing ring, soft (Item 40019t)

Item 40015

Pink polishing cream

REMOVE PAINTS AND VARNISHES WITH THE POLY-PTX® CLEAN WHEEL – CLEANS WITHOUT REMOVING THE WORK-PIECE (SANDBLASTING EFFECT)

Particularly proven when removing thick or stubborn paint and varnish from wood, stone and metal (e.g. window frames, doors, furniture, house façades, railings, fences, machines, boat hulls and propellers) and for removing graffiti.

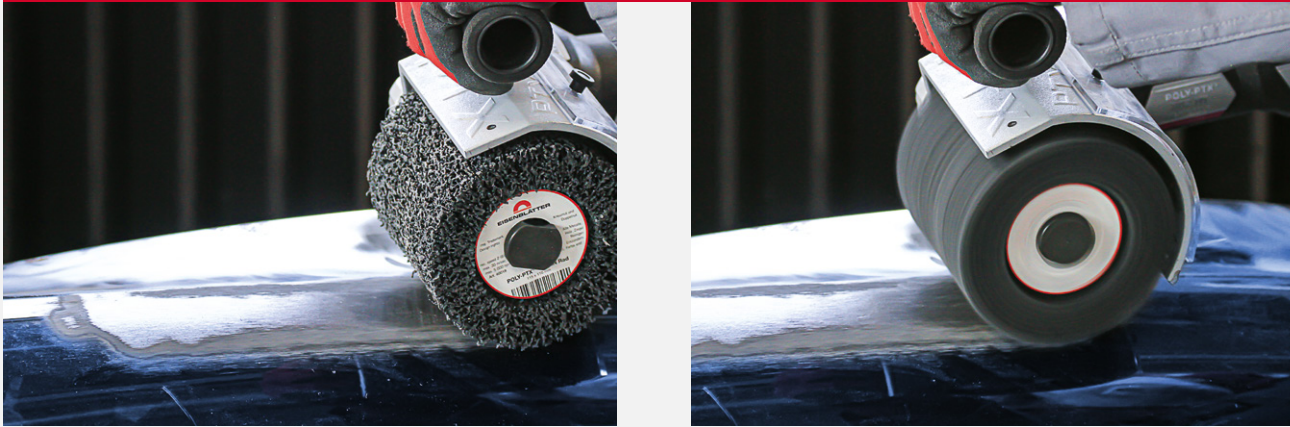
Ideal in car body construction (no sanding through with thin sheet metal), for renovations, painting and construction work. Does not contain any metals, so there is no risk of corrosion. Cleans without removing the work-piece and without damaging the base material (sandblasting effect).



EISENBLÄTTER Kreuz und Doppelnut
Alle Metalle, Holz, Zement, Beton, Entzunder, Farne gelb
max. speed 2 (B)
max. 5000 rpm
max. 5000 rpm
Art. 40018
POLY-PTX
115 x 110 mm

REMOVE PAINTS AND VARNISHES WITH THE POLY-PTX® CLEAN WHEEL – CLEANS WITHOUT REMOVING THE WORK-PIECE (SANDBLASTING EFFECT)

APPLICATION



The clean wheel is moved over the work-piece **with even forward and backward movements** until the desired cleaning effect is achieved. In the case of particularly stubborn residues, this area can also be sanded down selectively.



Recommended speed: 1,000 – 2,000 min⁻¹

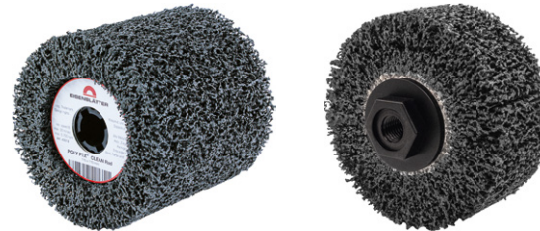
Recommendation for uneven surfaces:
Use the POLY-PTX® Clean Wheel Soft.

PRODUCTS USED

POLY-PTX® Clean wheel

Cleaning and pore-deep removal of paint, rust, scale and dirt from all materials. Works like sandblasting and cleans without removing material. Ideal in body construction, the automotive industry, in shipyards and for renovation work in the painting and building trade.

Also available as **POLY-PTX® Clean Wheel Soft** – ideal for the targeted removal of scratches from already satined surfaces without reworking.



Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Packaging unit	Item number
Ø 115 x 110 x 19 (with 10 mm extra width for corner grinding)	1,000 – 2,000	5,000	2	40018
Ø 115 x 50 x 19	1,000 – 2,000	5,000	4	40018a
Ø 115 x 50 x M14	1,000 – 2,000	5,000	2	40480

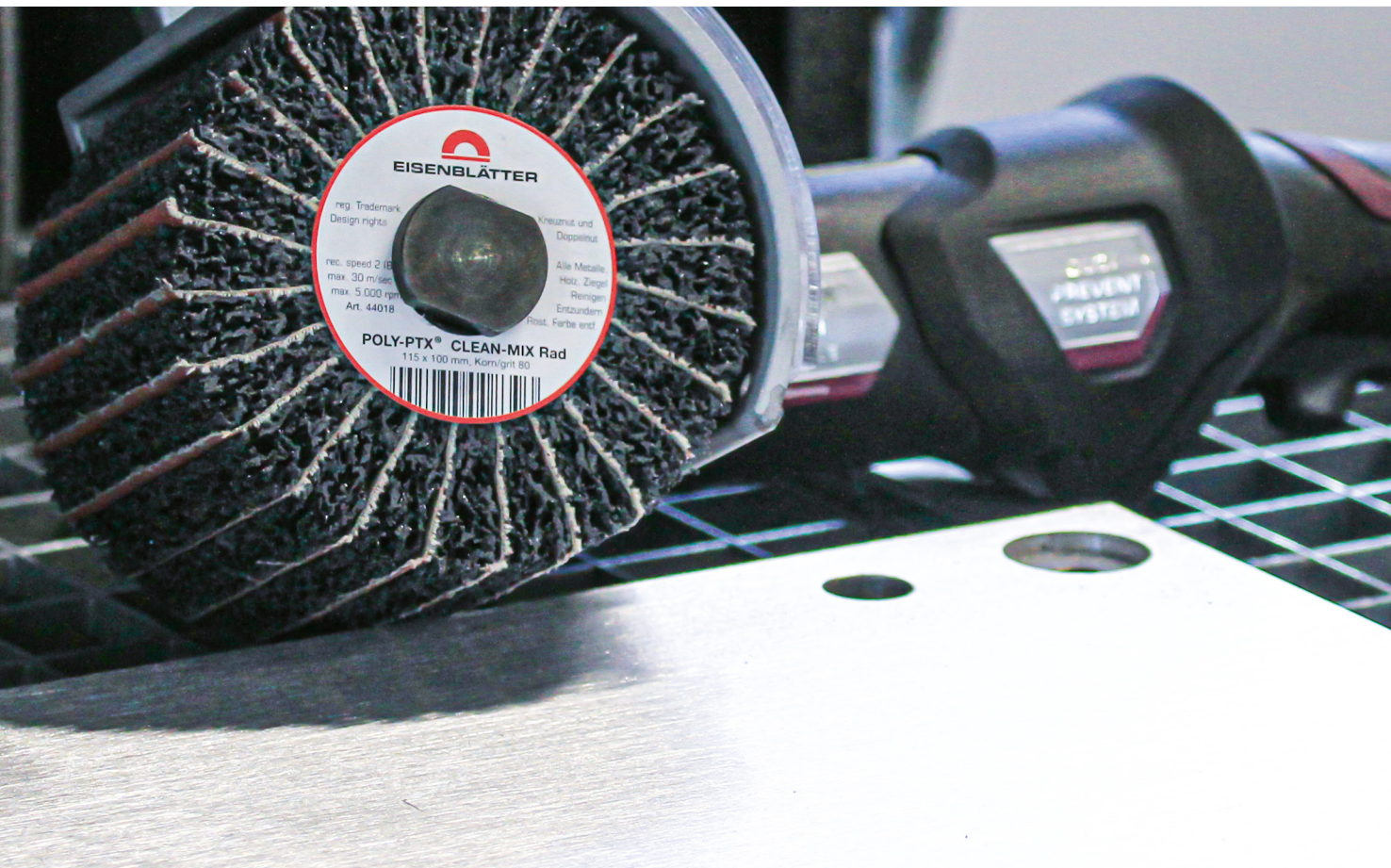


SURFACE CLEANING OF THE INTENSIVE KIND WITH THE POLY-PTX® CLEAN-MIX WHEEL

The stabilizing abrasive lamellas prevent the CLEAN material from fluffing prematurely. Due to the increased grinding effect, de-scaling, de-rusting, de-burring and removing paint are much more effective.

Due to the open, elastic tissue pores of the CLEAN material, the product does not clog and achieves a "sandblasting effect" on metal. Weld seams are "pore-deep" bright, clean and slightly rounded.

Paint can be removed from wood effortlessly and in a flash. Weathered wooden beams or planks can also be freshened up in record time.



TIP



USING ANGLE GRINDER



USING LINEAR GRINDER

Lightning-fast de-scaling in just one work step with CLEAN-MIX

The fastest way to de-scaling, de-rusting and de-burring metals!

- Newly designed cleaning discs and rollers with sanding lamellae interlayers – higher removal rate with a constant sanding pattern.
- Strong cleaning effect and long service life.

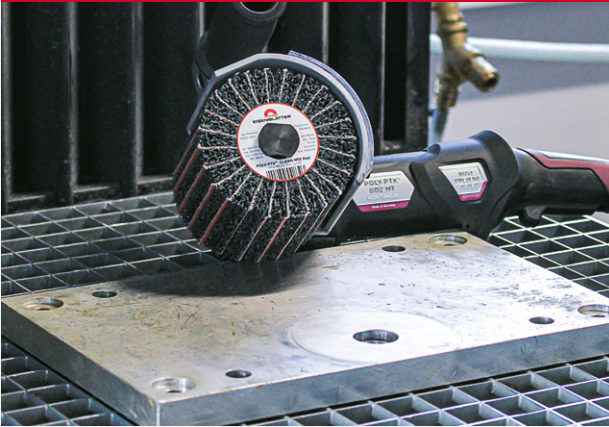


MAGNUM® CLEAN-MIX

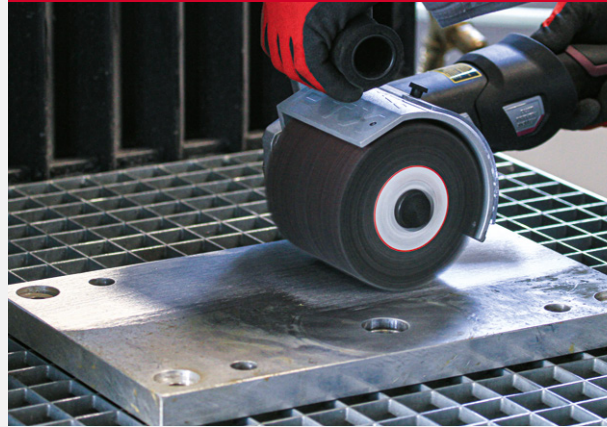
CLEAN-MIX wheel

SURFACE CLEANING OF THE INTENSIVE KIND WITH THE POLY-PTX® CLEAN-MIX WHEEL

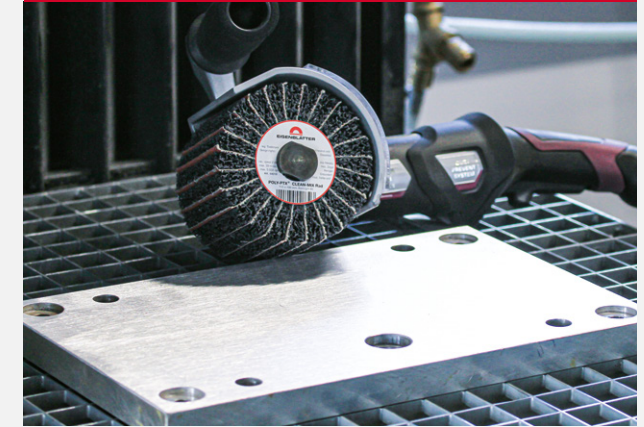
BEFORE PROCESSING



PROCESSING



RESULT



The CLEAN-MIX wheel is moved over the work-piece **with even forward and backward movements** until the desired cleaning effect is achieved. In the case of particularly stubborn residues, this area can also be sanded down selectively. Work oscillating (see page 4) for invisible transitions.

Recommended speed: 1,000 – 2,000 min⁻¹

PRODUCTS USED

CLEAN-MIX wheel

Newly designed **cleaning roller with intermediate layers of sanding flaps**. For a stronger cleaning effect and a longer service life. The stabilizing abrasive lamellas prevent the CLEAN material from fluffing prematurely.

Due to the **increased grinding effect**, the de-scaling, de-rusting, de-burring and paint removal are **significantly more effective**. The abrasive fabric intermediate layers wear out evenly together with the cleaning fleece, so that no disproportionalities can arise between the abrasive components. Due to the open, elastic tissue pores of the CLEAN material, the product **does not become clogged** and achieves a **"sandblasting effect"** on metal.

Removes oxide layers much faster than the Clean wheel and Clean wheel soft.



QUICKLY REMOVES OXIDE LAYERS

Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Packaging unit	Item number
Ø 115 x 100 x 19	1,000 – 2,000	5,000	2	44018

PERFECT GRINDING PATTERN – EVEN IN HARD-TO-REACH AREAS WITH THE POLY-PTX® SCRUBBY WHEEL

The use of the scrubby wheel is recommended on uneven surfaces.

The brush-shaped grinding lamellas make it particularly easy to get to hard-to-reach places.



**PROBLEM: UNORTHODOX SHAPES AND
WORK PIECES**

SOLUTION

PERFECT GRINDING PATTERN – EVEN IN HARD-TO-REACH AREAS WITH THE POLY-PTX® SCRUBBY WHEEL

APPLICATION



The scrubby wheel adapts perfectly to the fillet weld.



Perfect adaptation to the curve during use.

The scrubby wheel **is applied to the desired location with light pressure**. Then the surface can be sanded with **even back and forth movements**. The scrubby wheel can be used with the edge as well as in the middle. Thanks to the high flexibility, curves can also be revised without any problems.

Recommended speed: 1,000 – 2,000 min⁻¹

PRODUCTS USED

Scrubby wheel

Highly flexible lamellar abrasive cloth wheel with multiple slots in aluminium oxide. Creates a longitudinal grinding on sheet metal, even with punching and drilling, with simultaneous de-burring of all punching and drilling edges. Due to the large number of pre-slit fabric lamellas, the individual lamella sections plunge perfectly into all unevenness and round all inner edges perfectly. This wheel can be used on a wide variety of materials from steel, stainless steel, non-ferrous metals, hard plastics to wood.

With vibration-damped sleeve for 1-way, 2-way and 4-way spline shaft, thus 100% concentricity.

Tip: The lower the speed, the deeper it can be immersed.



Dimensions (diameter x width x drill bore in mm)	Ideal speed (min ⁻¹)	Max. speed (min ⁻¹)	Material	Packaging unit	Grit	Item number
Ø 115 x 100 x 19	1,000 – 2,000	5,000	Corundum fabric	2	120	41314

PROCESSING OF WOOD WITH TECHNICAL WHEELS NOT SUITABLE FOR VENEERS OR LAMINATE – ONLY SOLID WOOD!

Polishing stained wooden surfaces, creating rough rustic effects or brushing out soft annual rings:
When it comes to high-quality woodworking, the right tools are essential.



TIP



Mix wheel – intense



Fleece wheel – fine



SC fleece sleeve – fine



Expansion roller

Woodworking with the mix and fleece wheel

- **Remove paint and varnish with:**
Fine: SC fleece sleeve
Intense: Clean wheel
- **Smoothing and fine sanding wooden surfaces:**
Fine: Fleece wheel
Intense: Mix wheel

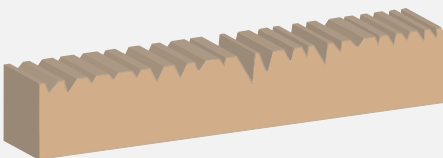
PROCESSING OF WOOD WITH TECHNICAL WHEELS NOT SUITABLE FOR VENEERS OR LAMINATE – ONLY SOLID WOOD!

WIRE WHEEL



Coarse rustic effect

In combination with the wire wheel, the POLY-PTX® is ideal for brushing out soft annual rings on softwood. Due to the material used (steel wire brush), rough rustic effects can be created without any problems.



PRODUCTS USED

Item 46301



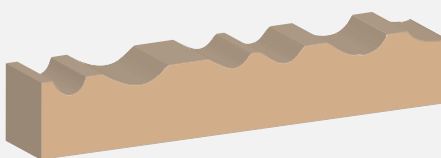
Wire wheel

BRISTLE WHEEL



Soft rustic effect

With the bristle wheel, an elastic, grain-infiltrated plastic brush, the POLY-PTX® is the ideal tool for creating rustic effects with a soft annual ring transition.



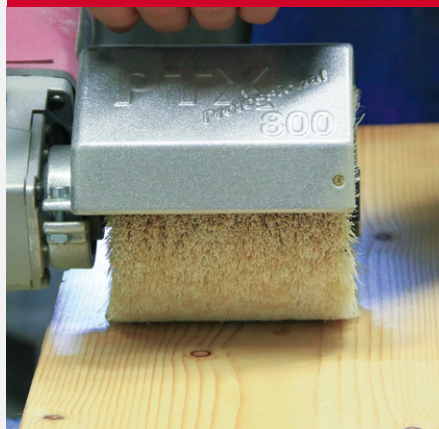
PRODUCTS USED

Item 46101



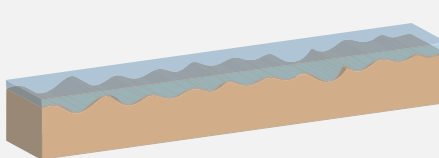
Bristle wheel

FIBRE WHEEL



Wax-stained wooden surfaces

The fibre wheel guarantees an uncomplicated and high-quality polishing of stained wooden surfaces. The elastic fibre brush guarantees perfect matt gloss effects and is ideal for pore-deep de-dusting and cleaning.



PRODUCTS USED

Item 46400



Fibre wheel

TIP



POLY-PTX suction cover

Ideal for high levels of dust (e.g. aluminium or woodworking):

The POLY-PTX® aluminium suction cover with centring knurled screws is compatible with all common industrial vacuum cleaners. Usable up to 100 mm roller width.

Item 40205

Item 40005



POLY-PTX® 802 HT

POLY-PTX® 800

MACHINING ROUND TUBES WITH POLY-PTX® AND PTX COMPACT

Whether on railings, ship railings, grandstands or other constructions made of round tubes: Welding, bending and screwing has to be done everywhere and an even surface finish has to be created.

MACHINING ROUND TUBES



TIP



POLY-PTX®
Item 40006va



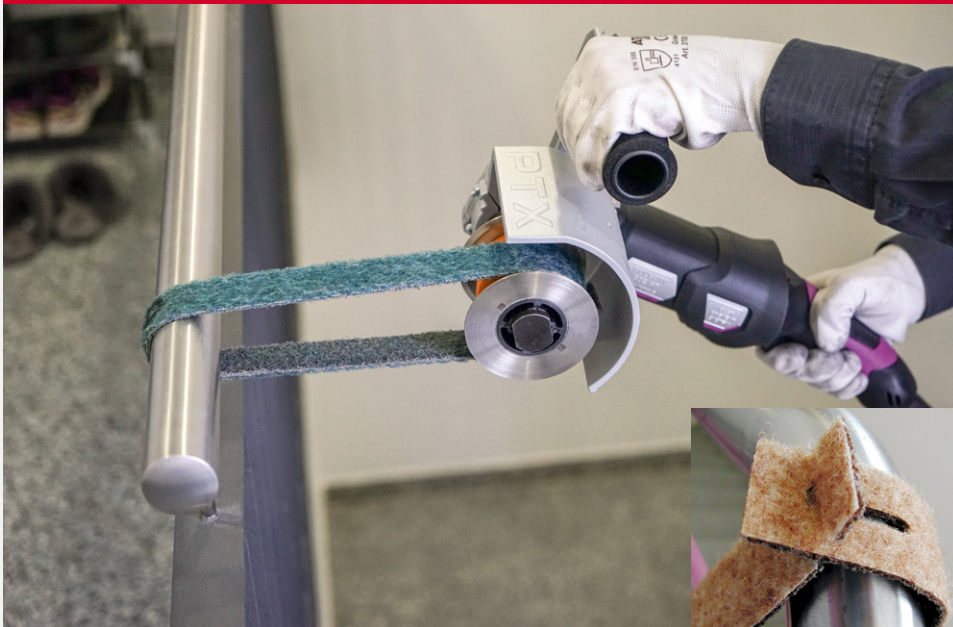
PTX COMPACT HT
Item 40406

**Abrasive belt rolls for
POLY-PTX® and PTX COMPACT
longitudinal grinders**

For using grinding belts with a
POLY-PTX® and PTX COMPACT satin
finishing machine.

MACHINING ROUND TUBES WITH POLY-PTX® AND PTX COMPACT

INDUSTRIAL FINISH



In the event of scratches, pre-sand with grit 80 corundum sanding belt (can be closed again with adhesive tape). Smooth the entire surface of the pipe medium with SC fleece belt and apply the sanding pattern (can be closed again with a buttonhole). Eisenblätter sanding belts with the patented T-Lock buttonhole fastener are ideal for working on closed tubular constructions and handrails. The sanding belt placed over the tube is quickly connected and opened again thanks to the buttonhole closure. Changing the sanding belt is therefore efficient and child's play. It can be opened and closed as often as you like.

PRODUCTS USED

Item 49040



Corundum grinding belt

Item 49002



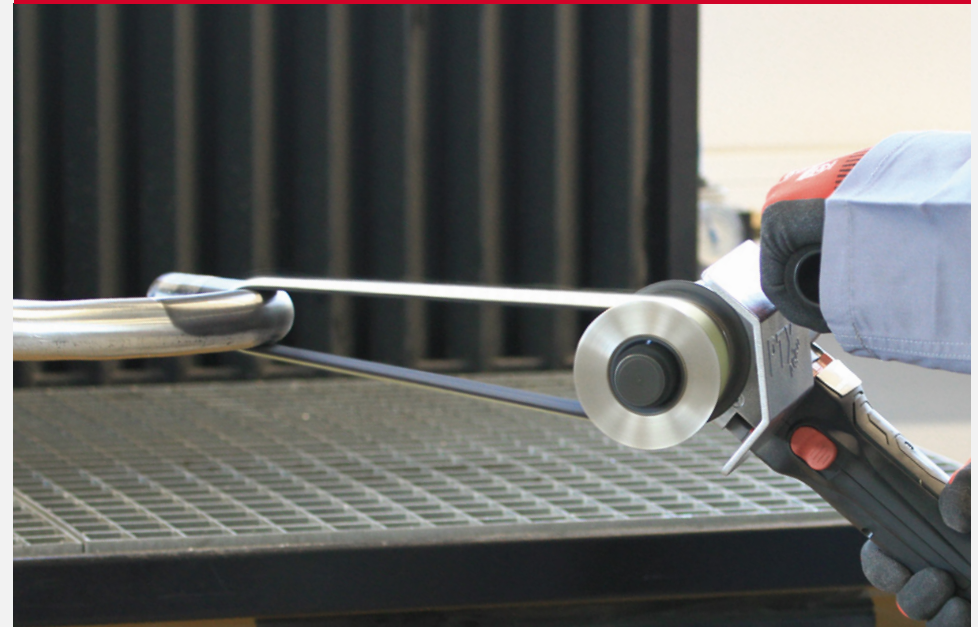
SC fleece belt

Item 49000



Special adhesive tape

MIRROR FINISH



The same tool materials are used here as on the straight surface. Pre-sanding with TZ pyramid or TZ pyramid belt, main polishing with BRIGHTEX® Berry polishing belt and final polishing with BRIGHTEX® Sun polishing belt. Details from page 16 onwards.

PRODUCTS USED

Item 49345



TZ-Pyramid belt

Item 49005t



BRIGHTEX® Berry belt

Item 49006t



BRIGHTEX® Sun belt

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