

CATALOG

ZYPOLISH

SHAOXING ZYPOLISH ltd

绍兴自远磨具有限公司

FC131

Diamond Lapping Film

ZYPOLISH FC131 Precisely graded diamond minerals are coated on a high strength polyester film. FC131 is especially suitable for polishing the end-face of optical fibers and connectors, stainless steel, metal, gemstones, semiconducting materials, etc. Grits available are 0.5 μ m, 1 μ m, 3 μ m, 6 μ m, 9 μ m, 15 μ m, 30 μ m, 45 μ m and 60 μ m.



Item	Grits	Colour
FC131-0.5	0.5	Manila
FC131-1	1	Off-White/Purple
FC131-3	3	Pink/Rose
FC131-6	6	Yellow
FC131-9	9	Blue
FC131-15	15	Eggshell
FC131-30	30	Green
FC131-45	45	Orange
FC131-60	60	Translucent

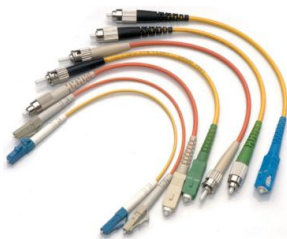
Specification

Item	FC131
Size	5inch, 6inch, 8inch, any other sizes are available
Backing	Polyester, PSA
Thickness	3mil, 5mil

Features

1. Uniform dispersion of abrasive particles.
2. Sharp and good durability.
3. High polishing accuracy.
4. Stable product quality, small difference in batch nails
5. Suitable for polishing with dry, water or oil.

Application



Fiber Optical connectors



Ceramic ferrule



Gemstones

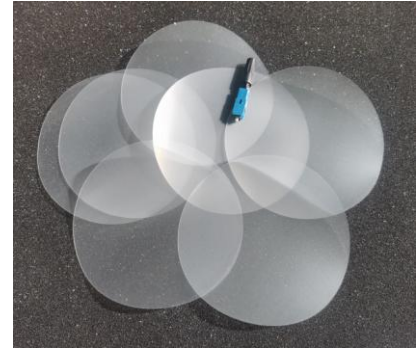


Stainless steel

ZY001

Silicon Dioxide Finishing polishing Film

ZYPOLISH ZY001 is suitable for the final step of polishing optical fiber jumpers which can offer smooth polishing with minimum scratches. A 100nm Silicon Oxide polishing film, excellent polish performance to reach a perfect 3D parameter.



Item	Grits	Color
ZY001	0.01micron	White

Parameters

Base: 3mil PET film

Material: Silicon Oxide, 100nm.

Polishing Time: 15-20s.

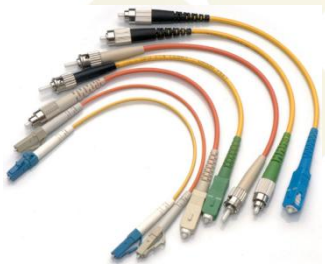
Life Span: 15-25times.

Polishing fiber height: 0-50nm.

Features

1. Evenly-sprayed particles on coated surface.
2. Good intensity.
3. Suitable for polishing with dry, water or oil medium.
4. High removal ratio & surface effects.
5. Durable polishing rate compared to existing polishing films.
6. Positioned lapping & polishing to save abrasive material.

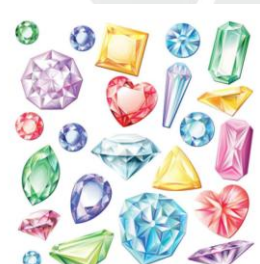
Application: Final polishing



Fiber optical connectors



Ceramic ferrule



Gemstones

FC931

Cerium Oxide polishing Film

ZYPOLISH FC931 Precisely graded cerium oxide minerals are coated on a high strength polyester film which is especially suitable for polishing the end-face of optical fibers and connectors, quartz, gemstones, etc.

Grits available are 0.5 μ m , 1 μ m;

Item	Grits	Color
FC931-0.5	0.5	White
FC931-1	1	Red

Parameters

Base: 5mil PET film

Meneral: Cerium Oxide

Polishing Time: 15-20s.

Features

1. Evenly-sprayed particles on coated surface.
2. High removal ratio & perfect surface effects.
3. Suitable for polishing with dry, water or oil medium.
4. Durable polishing rate compared to existing polishing films.

Application



Fiber optical connetors



Gemstones



Quartz

FC331

MPO Lapping Film

ZYPOLISH FC331 is produced by using the latest ultra-precision coating technology which is often used for precision polishing of MPO fiber optic jumpers, metal core, semiconducting materials, etc.



Item	Grits	Colour
FC331-1	1	Grey
FC331-3	3	Blue
FC331-15	15	Brown
FC331-30	30	Natural yellow
FC331-B	-	Black
FC331-W	-	White

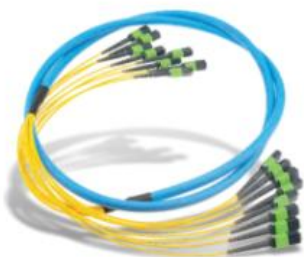
Specification

Item	FC331
Abrasive	Silicon carbide
Size	5inch, 6inch, 8inch, any other sizes are available
Backing	Polyester, Coth, PSA

Features

1. Uniform dispersion of abrasive particles.
2. Good durability.
3. Stable product quality, small difference in batch nails

Application



FM988

Grinding Machine series

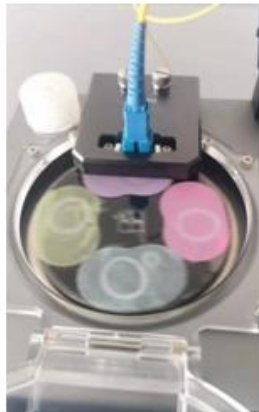
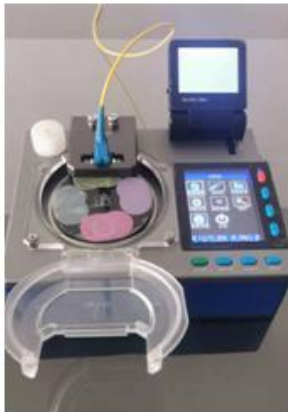
ZYPOLISH FM988

1. A portable & easy lapping machine.
2. A combined lapping film comprised of D30, D9 and D1.
3. A kind of very fast installing fiber connector including SC and LC.
(assemble withing 30s).



Advantages

1. Easy operation.
2. Real-time check.
3. Excellent fiber data.



Application

HTTP installation

Optical Machine room renovation

Optical box renovation



RC131

Diamond Lapping Film Roll

ZYPOLISH RC131 is produced by ultra-precision coating technology. Precisely graded diamond minerals are coated on a high strength, 3 or 5 mil polyester backing to provide a uniform and consistent finish. It is mainly used for grinding and polishing ceramic rollers, tungsten carbide rollers, anilox rollers and cemented carbide rollers. Grits available are 1µm, 3µm, 6µm, 9µm, 15µm, 30µm, 45µm and 60µm.



Item	Grits	Colour
RC131-1	1	Off-White/Purle
RC131-3	3	Pink/Rose
RC131-6	6	Yellow
RC131-9	9	Blue
RC131-15	15	Eggshell
RC131-30	30	Green
RC131-45	45	Orange
RC131-60	60	Translucent

Specification

Item	RC131
Size	101.6mm*15m, 101.6mm*45m, any other sizes are available
Backing	Polyester
Thickness	3mil, 5mil

Advantages

1. High removal rate.
2. Consistent effect.
3. Perfect surface

Application

Ceramic rollers, tungsten carbide rollers, anilox rollers and cemented carbide rollers.



LC231

Aluminium Lapping Film Roll

ZYPOLISH LC231 is produced by ultra-precision coating technology. Precisely graded aluminium oxide minerals are coated on a high strength, 3 mil polyester backing to provide a uniform and consistent finish. It is mainly used for grinding and polishing metal and LCD panel. Grits available are 1 μ m, 3 μ m, 6 μ m, 12 μ m, 30 μ m, 45 μ m and 60 μ m.



Item	Grits	Colour
LC231-1	1	White
LC231-3	3	Pink/Rose
LC231-6	6	Brown
LC231-12	12	Yellow
LC231-30	30	Green
LC231-45	45	Orange
LC231-60	60	Blue

Specification

Item	LC231
Size	7mm*100m any other sizes are available
Backing	Polyester cloth
Thickness	3mil

Advantages

1. High removal rate.
2. Consistent effect.
3. Perfect surface

Application

Metal and LCD panel.



SL2QL & SL2RL

Polishing materials for Metal Market

SL2QL(soft cloth base) & SL2RL (hard cloth base) is a high-end cloth grinding product created by precision coating and micro copy transfer technology; The regular arrangement of uniform surface makes it have the unmatched grinding effect of traditional sandpaper.



Jumbo Roll



Specification

	SL2QL	SL2RL
Grit	A6, A16, A30, A 45	A6, A16, A30, A 45
Jumbo Roll Size	450mm (width) *100m (Length)	480mm width *100m Length
Backing	Soft Cotton Cloth	Hard Cotton Cloth
Abrasive Material	Aluminum Oxide	Aluminum OxideO

Application

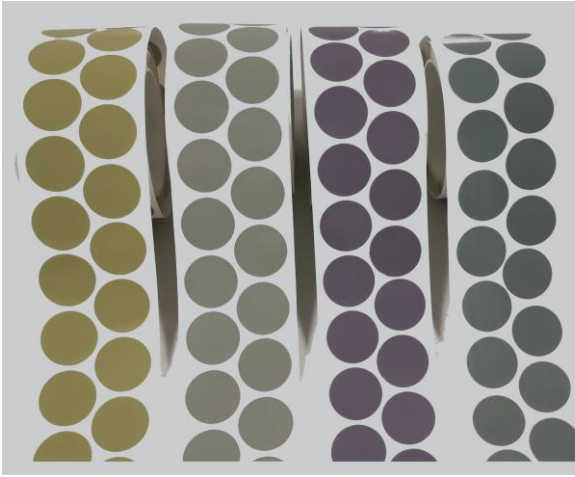


Marine, Metalworking

CT636

Polish disc for Automotive industrial Market

ZYPOLISH CT636 is made by using precision coating technology and micro-structure repetition technology to coat the dispersed abrasive on the substrate. The product has a microscopic pyramid structure and regular repeated arrangement on the base material. It can be used in automobile painting process and later automobile beauty maintenance to remove the body paint defects, small particles or foreign matters. Can also be used in piano, high-grade furniture and other lacquer polishing treatment, play a role in beauty and protection of the paint.



Specifications

Abrasive Material	Silicon Carbide
Application	Finishing
Application Category	Paint Prep, Finish & Repair
Attachment Type	PSA
Backing Material	Film
Backing Thickness (Imperial)	3 mil
Brand	Zypolish
Color Family	Green , Gray, Purple , Bice
Equipment – Machines	Hand-held point mill
For Use On	Clear Coats, Paint, Plastic
Hole Configuration	Plain
Industries	AOEM, General Industrial, Marine, Paint Preparation
Maximum Speed	10000 rpm
Micron Grade	A3, A5, A7,A9
Overall Diameter (Imperial)	19 mm, 25mm , 32 mm, 35 mm, 50.8 mm, 76.2 mm

Order example standard model

CT636

Packaging unit

500 pcs/roll,

CT636 highlights

- Suited for most automotive lacquers or same materials.
- More economic than abrasive foil or slurries.
- Available for smooth and profiled surfaces.
- Longer service life than abrasive paper
- Clean operation because no abrasive slurry is needed.

All information is non-binding and provided for information purposes only. Subject to change without notice.

Datasheet

CT639

Foam disc for Automotive industrial Market

ZYPOLISH® CT639 is a unique multifunctional patented sanding pad developed for the flexible sanding of both smooth and profiled surfaces. CT639 is especially suitable for use in the automotive industries. The flexible weave allows water and air to pass freely, making the product suitable for both dry and wet sanding, either by machine or hand. more suitable for smoothing of primers and bottom lacquers, preparation of surfaces between blending, sanding of pot marked surfaces, preparation of the top coat before polishing. Grits available are 5000#, 3000#, 2000#, 1000#



Specifications

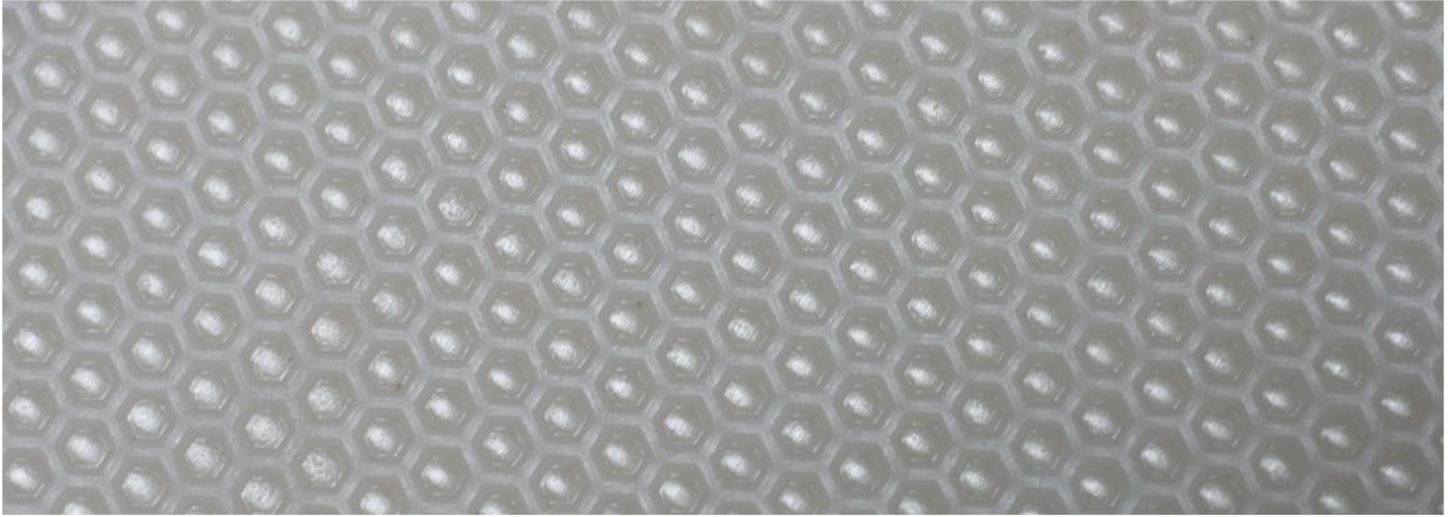
Order example standard model
CT639

Packaging unit
20 piece/box

CT639 highlights

- Suited for most automotive lacquers or same materials.
- More economic than abrasive foil or slurries.
- Available for smooth and profiled surfaces.
- Longer service life than abrasive paper
- Clean operation because no abrasive slurry is needed.

Abrasive Material	Silicon Carbide
Application	Repairing Large Area Paint Defects
Attachment Type	Hook & Loop
Brand	ZYPOLISH®
Case Quantity	4 Cartons per Case
Coat Type	Closed Coat
Grade Range	Fine (P1000-P8000)
Grit	1000,2000,3000, 5000, 8000
Number per Inner	20 Discs Per Carton
Overall Diameter (Imperial)	3 in, 5 in, 6 in, or Customized
Overall Diameter (Metric)	125 mm, 127 mm, 150 mm, 152.4 mm, 75 mm, 76.2 mm
Product Color	Blue, Gray
Product Form	Disc
Product Type	Discs
Sanding Method	Machine
Vacuum Support	No
Wet or Dry	Wet or Dry



Datasheet

树脂研磨垫 HRP-001—搭配 BD-009

Hexagon Resin Pad for BD-009--Diamond Polishing Slurry for Sapphire, SiC, glassy materials and crystals

适用于蓝宝石，SiC，玻璃或水晶制品的抛光

Zypolish HRP-001 主要用于配套 BD-009 研磨液使用；做为平面研磨的 lapping 工段的有效抛光工具；能更好的储存液体，让平面研磨效率提升 50%.

This product is mainly used with BD-009 Polishing Slurry; As an effective polishing tool for lapping section of plane grinding ; It can better store liquid and increase the grinding efficiency of the plane by 50%



Properties

Application	Finishing or polishing
应用	抛光段或者 lapping
Application Category	Sapphire, SiC, glassy materials and crystals
应用指南	漆面适用于蓝宝石，SiC，玻璃或水晶制品的抛光
Attachment Type	PSA
背基处理	背胶
Brand	Zypolish
品牌	Zypolish
Color Family	White
颜色	白色
Equipment – Machines	Biplanar Grinder
搭配机器	平面研磨机
Overall Diameter (Imperial)	640mm, 940mm, 1200-1290mm, Can be customized
外径尺寸	640mm, 940mm, 1200-1290mm, 可定制

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CE4S1

Foam disc for Automotive and industrial Market

ZYPOLISH CE4S1 is a unique multifunctional patented sanding pad developed for the flexible sanding of both smooth and profiled surfaces. CE4S1 is especially suitable for use in the automotive, marine and woodworking industries. The flexible weave allows water and air to pass freely, making the product suitable for both dry and wet sanding, either by machine or hand. Coarser grits are recommended for surface preparation of composite body parts and fine sanding of the body surfaces before primer and top lacquer. Finer grits are suitable for smoothing of primers and bottom lacquers, preparation of surfaces between blending, sanding of pot marked surfaces, preparation of the top coat before polishing. Solid Surface, sanding in between coats and lacquer sheen enhancement in woodworking. Grits available are 240, 400,500, 600,800,900,1000,2000, 3000, 4000,8000



Properties

Diameter	3inch,5inch,6inch,can be customized
Abrasive size	240, 400,500, 600,800,900,1000,2000, 3000, 4000,8000
Sponge layer thickness	5mm
Bond type	Resin
Carrier material	flex textile or polycarbonate
Backing/mounting	self-adhesive, Hook and loop

Order example standard model

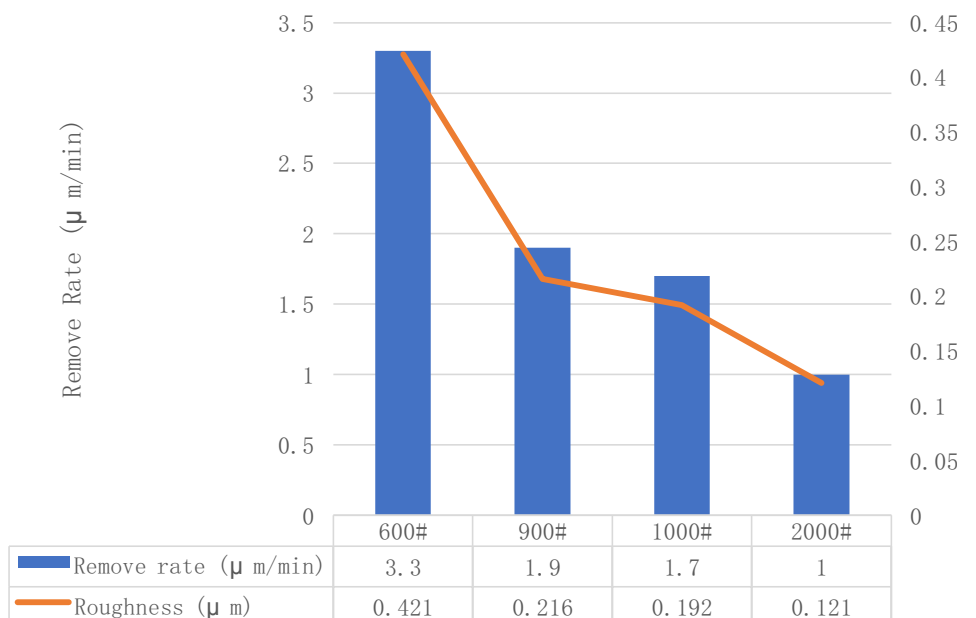
CE4S1-G

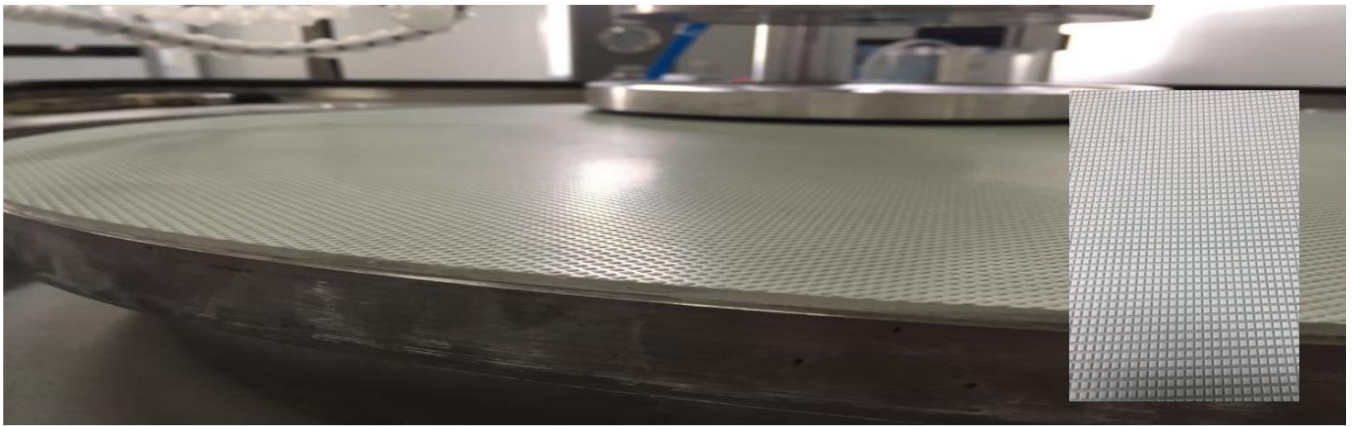
Packaging unit

CE4S1 highlights

- Suited for most automotive lacquers or same materials.
- More economic than abrasive foil or slurries.
- Available for smooth and profiled surfaces.
- Longer service life than abrasive paper
- Clean operation because no abrasive slurry is needed.

Performance CE4S1
Stainless Steel





Datasheet

ET831

Diamond grinding pad for glass, glassy materials and crystals

ET831 is an innovative and highly efficient diamond grinding pad suitable for fine grinding of optical glass, BK7, fused silica, glass-ceramics as well as crystalline and brittle glassy materials. ET831 generates a high and consistent removal over its entire service life as well as impressive surface qualities and edge sharpening. Thanks to its long service life and easy handling, ET831 is an economical and efficient alternative to thin abrasive films or conventional lapping processes.

Properties

- Diameter 200-1510 mm one-piece, for bigger diameters multi-piece
- Diamond size 100 μm/80 μm /45 μm /30 μm /20 μm/12 μm /9 μm /4 μm/2 μm
- Abrasive layer thickness 0.9 mm
- Bond type resin, triangular structure
- Carrier material flex textile or polycarbonate
- Backing/mounting self-adhesive, magnetic foil or metal foil

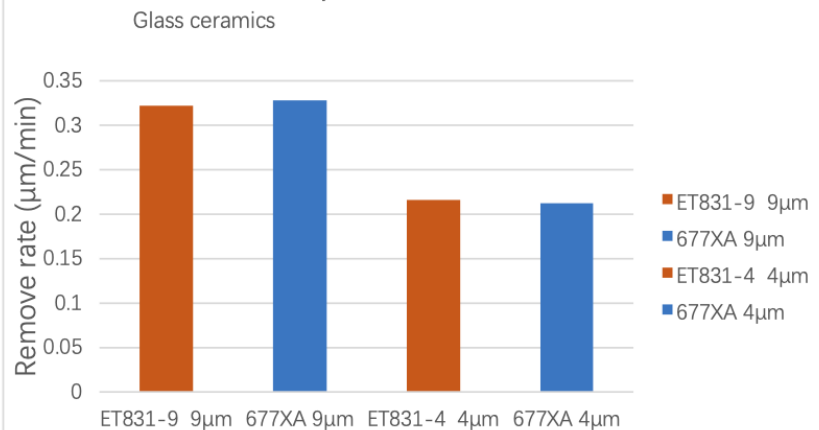


Glass wafer



ET831 0.9mm

Performance ET831 Date Comparison



Order example standard model
ET831-G DDD-ddd-k

Packaging unit
1 piece/box

Diameter



Custom-engineered pads are available on request.

Order information

Article number ET831-G -DDD-ddd-k

Article number ET831-G -DDD-ddd-k
① ② ③ ④

- ① **Diamond grit size** In Micron 100 , 80 ,45 ,30 , 20 ,12 ,9 ,4 ,2
- ② **Outer diameter in mm** Customized
- ③ **Inner diameter in mm** Customized
- ④ **Cooling hole per drawing** Customized

ET831-G highlights

- Suited for all common glass materials.
- More economic than abrasive foil or slurries.
- High planarity and precise edges.
- Longer service life than abrasive foil.
- Clean operation because no abrasive slurry is needed.

Application recommendations

Dressing Prior to the first use, the ET831 pad has to be dressed and planarized with a dressing tool or grinding stone SiC with grit 280 mesh (grit size 125, 60 micron) or 400 mesh (grit size 30, 15, 6 micron).

Cleaning To ensure cutting efficiency of the bonding, the grinding pad has to be cleaned from abrasive debris regularly. Best suited for this are brass brushes for manual or machine use.

Machine brushes can be ordered from ZYPOLISH as accessories.

Grinding parameters

Grinding pressure recommended: 2-10 N/cm², max. 15 N/cm²
Circumferential speed recommended: 5 m/s, max. 10 m/s

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Additional types and sizes for customized specifications can be found on www.zypolish.com

