



# CONSUMABLES FOR GRINDING & POLISHING



# CONSUMABLES FOR GRINDING & POLISHING

In order to obtain scratch free surfaces without deformation, successive material removal by abrasives is necessary. Grinding is the next stage after sectioning. Grinding is divided into two processes: Planar grinding and Fine grinding. The purpose of planar grinding is to obtain a level surface and to remove scale, burrs or surface irregularation from the specimen.

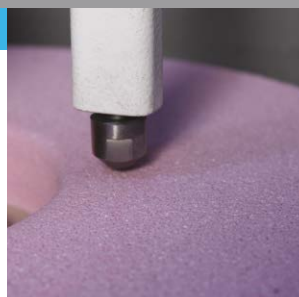
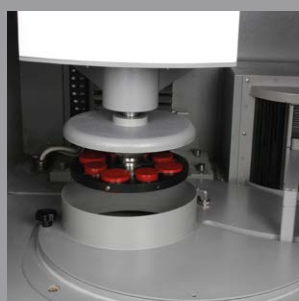
To remove deformation from fine grinding and obtain a surface that is highly reflective, the specimens must be polished before they can be examined under the microscope. Polishing is a complex activity in which factors such as quality and suitability for the cloth, abrasive, polishing pressure, polishing speed and duration need to be taken into account. The quality of the surface obtained after the final polishing depends on all these factors and the finish of the surface on completion of each of the previous stages.

GRINDING

# METKON PLANAR GRINDING STONE

If you want to be fast and efficient in providing high-quality flat specimen surfaces and saving time, you can use a planar grinding stone in sample preparation steps. PGS planar grinding stones for FORCIPLAN 352/VELOX 102, with many advantages;

- Extremely Short grinding time
- Excellent planarity for all materials
- Extremely high material removal performance
- Reduces total sample preparation time.
- Comparing with traditional SiC grinding papers, the flat grinding stone can prepare hundreds of times more samples.
- Reduces several grinding steps without changing grinding paper.
- Ability to grind mounted specimen with specimen holders as well as irregular shaped unmounted samples.
- Primary material control with high sample throughput



## Planar Grinding Stones for FORCIPLAN 352/VELOX 102 [1Pc]

Order No	Code	Description	Equipment
PGS-NF	80-350	Ø350 mm, Planar Grinding Stone, 120 grit, for non-ferrous materials	FORCIPLAN 352
PGS-M	80-351	Ø350 mm, Planar Grinding Stone, 120 grit, for medium hard steels & cast irons	FORCIPLAN 352
PGS-H	80-352	Ø350 mm, Planar Grinding Stone, 120 grit, for hard steels & cast irons	FORCIPLAN 352
PGS-NF	80-300	Ø300 mm, Planar Grinding Stone, 120 grit, for non-ferrous materials	VELOX 102
PGS-M	80-301	Ø300 mm, Planar Grinding Stone, 120 grit, for medium hard steels & cast irons	VELOX 102
PGS-H	80-302	Ø300 mm, Planar Grinding Stone, 120 grit, for hard steels & cast irons	VELOX 102

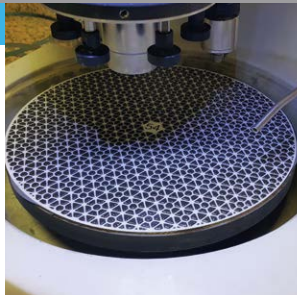


GRINDING

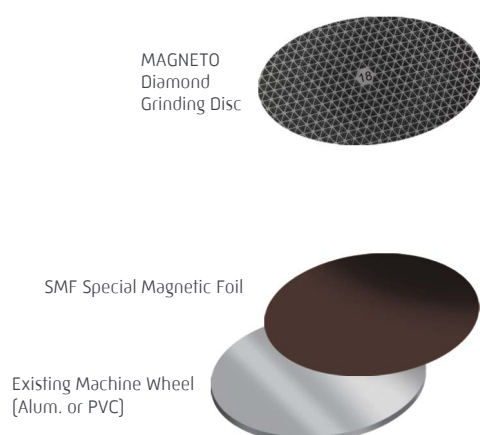
# METKON MAGNETIC SYSTEM

Magnetic Preparation with METKON Magnetic System is simply and advanced way to grind and polish specimens. It reduces your operating costs and increases specimen quality. Place your SMF Special Magnetic Foil, which is self-adhesive for once and permanently on your existing working wheel (Aluminum or PVC).

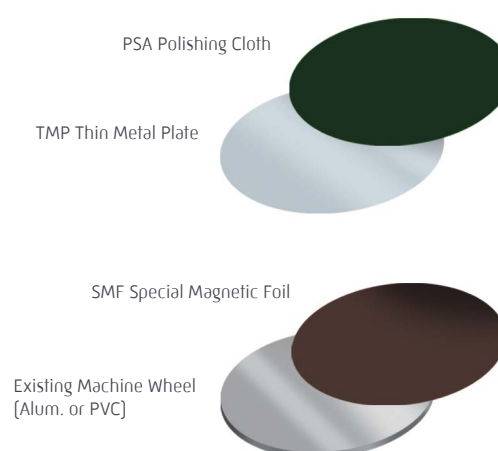
Place the Cloth (or MAGNETO) on the TMP Thin Metal Plate which you can then use as a magnetic unit to put on and remove from your disc. After the grinding or polishing operation you may remove it (non-destructively) and then place it again whenever you need. Without any material destruction!



## QUICK MAGNETIC SYSTEM for MAGNETO



## QUICK MAGNETIC SYSTEM for PSA POLISHING CLOTH



## ABRASIVE GRADE SYSTEM

FEPA P (Europe)	P60	P120	P180	P240	P320	P400	P600	P800	P1000	P1200	P2000	P4000
ANSI/CAMI (US)	60	120	180	240	280	320	360	400	500	600	1000	1200
Grain size (Average)	250 $\mu$	125 $\mu$	82 $\mu$	60 $\mu$	46 $\mu$	35 $\mu$	26 $\mu$	22 $\mu$	18 $\mu$	15 $\mu$	10 $\mu$	5 $\mu$

\*All Metkon grinding papers are classified according to FEPA Standards.

\*The above Abrasive Grading Chart is a general overview only.

## MAGNETIC SYSTEM

Order No	Code	Magnetic System Accessories
39-003-200	SMF	Special Magnetic Foil, $\varnothing$ 200
39-003-250	SMF	Special Magnetic Foil, $\varnothing$ 250
39-003-300	SMF	Special Magnetic Foil, $\varnothing$ 300
39-003-350	SMF	Special Magnetic Foil, $\varnothing$ 350
39-093-200	TMP	Thin Metal Plate, $\varnothing$ 200 [5 pcs]
39-093-250	TMP	Thin Metal Plate, $\varnothing$ 250 [5 pcs]
39-093-300	TMP	Thin Metal Plate, $\varnothing$ 300 [5 pcs]
39-093-350	TMP	Thin Metal Plate, $\varnothing$ 350 [5 pcs]

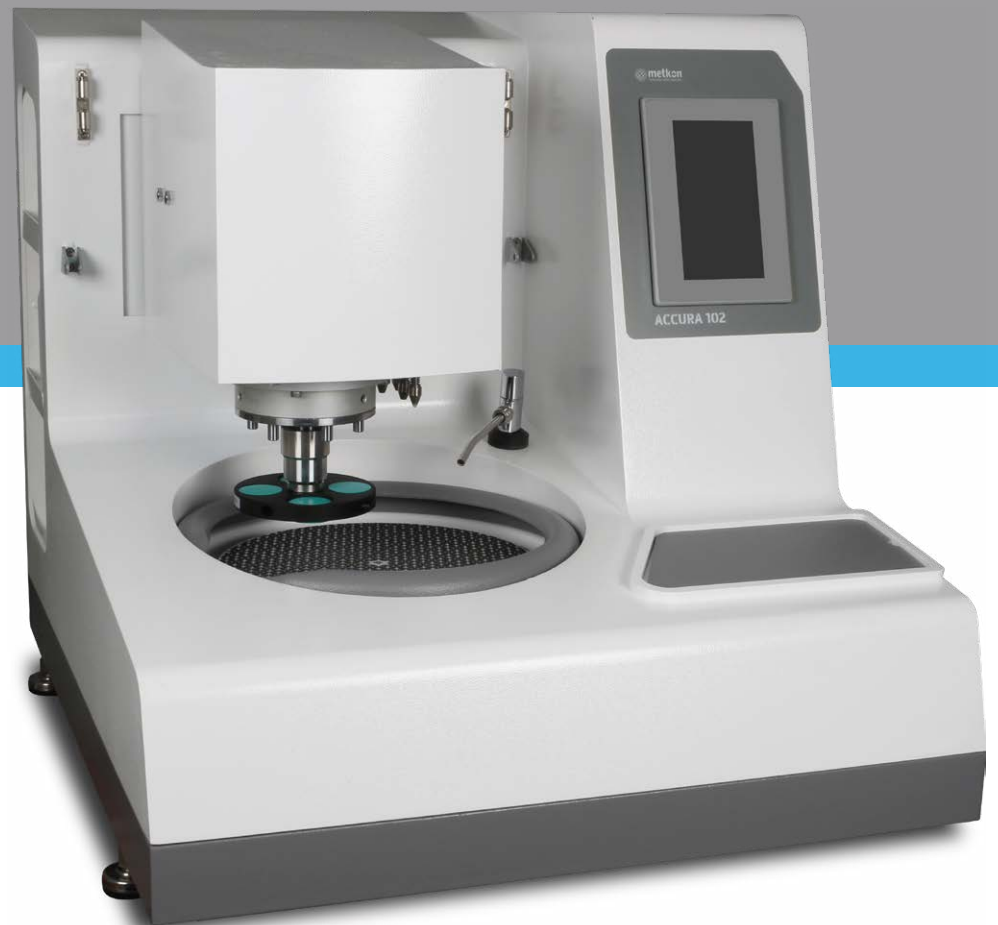
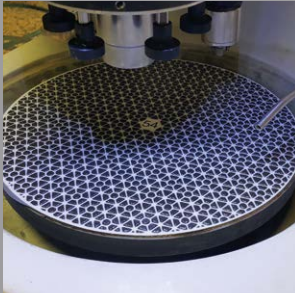
GRINDING

# MAGNETO DIAMOND GRINDING DISCS

[Total Grinding Time 2 Minutes!]

MAGNETO Diamond Grinding Discs for planar grinding, fine grinding and extra fine grinding offer wonderful advantages:

- Only water is needed (No additional diamond suspensions or lubricant).
- The same disc can be used for grinding hard as well as soft materials.
- Very clean working environment.
- Very high edge sharpness and scratch free surface.
- Excellent planarity and flatness.
- Very short preparation time.



## MAGNETO

MAGNETO Diamond Fine Grinding Disc

Order No	Code	Diameter	Grit Size	Recommended for
38-020-125	MAGNETO 125	200	125	Planar Grinding
38-040-125	MAGNETO 125	250	125	Planar Grinding
38-050-125	MAGNETO 125	300	125	Planar Grinding
38-020-075	MAGNETO 75	200	75	Planar Grinding
38-040-075	MAGNETO 75	250	75	Planar Grinding
38-050-075	MAGNETO 75	300	75	Planar Grinding
38-060-075	MAGNETO 75	350	75	Planar Grinding
38-020-054	MAGNETO 54	200	54	Planar Grinding
38-040-054	MAGNETO 54	250	54	Planar Grinding
38-050-054	MAGNETO 54	300	54	Planar Grinding
38-060-054	MAGNETO 54	350	54	Planar Grinding
38-020-018	MAGNETO 18	200	18	Fine Grinding
38-040-018	MAGNETO 18	250	18	Fine Grinding
38-050-018	MAGNETO 18	300	18	Fine Grinding
38-060-018	MAGNETO 18	350	18	Fine Grinding
38-020-006	MAGNETO 6	200	6	Extra Fine Grinding
38-040-006	MAGNETO 6	250	6	Extra Fine Grinding
38-050-006	MAGNETO 6	300	6	Extra Fine Grinding
38-020-003	MAGNETO 3	200	3	Extra Fine Grinding
38-040-003	MAGNETO 3	250	3	Extra Fine Grinding
38-050-003	MAGNETO 3	300	3	Extra Fine Grinding

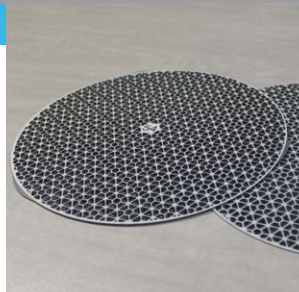
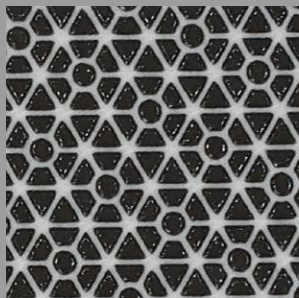


## GRINDING

# MAGNETO-S SILICON CARBIDE GRINDING DISCS

MAGNETO-S Silicon Carbide Grinding Discs are developed to provide excellent specimen surfaces. It can be used for any material that SiC papers are used. It is the most modern and the best alternative of SiC papers with many advantages:

- Very cost effective. One MAGNETO-S is equal to 100 pcs of SiC grinding papers. [depending on the sample hardness and size]
- Only water is needed [No additional diamond suspensions or lubricant].
- Suitable for both ferrous and non-ferrous materials
- Very clean working environment.
- Very high edge sharpness and scratch free surface.
- Excellent planarity and flatness.
- Superior specimen surfaces.



# MAGNETO-S

MAGNETO-S Silicon Carbide Grinding Disc

Order No	Code	Diameter	Grit Size	Recommended for
38-021-120	MAGNETO-S-120	200	120	Planar Grinding
38-041-120	MAGNETO-S-120	250	120	Planar Grinding
38-051-120	MAGNETO-S-120	300	120	Planar Grinding
38-021-220	MAGNETO-S-220	200	220	Planar Grinding
38-041-220	MAGNETO-S-220	250	220	Planar Grinding
38-051-220	MAGNETO-S-220	300	220	Planar Grinding
38-021-500	MAGNETO-S-500	200	500	Fine Grinding
38-041-500	MAGNETO-S-500	250	500	Fine Grinding
38-051-500	MAGNETO-S-500	300	500	Fine Grinding
38-021-800	MAGNETO-S-800	200	800	Fine Grinding
38-041-800	MAGNETO-S-800	250	800	Fine Grinding
38-051-800	MAGNETO-S-800	300	800	Fine Grinding
38-021-1200	MAGNETO-S-1200	200	1200	Extra Fine Grinding
38-041-1200	MAGNETO-S-1200	250	1200	Extra Fine Grinding
38-051-1200	MAGNETO-S-1200	300	1200	Extra Fine Grinding

GRINDING

# METKON CATCHY SYSTEM

CATCHY system has a high friction foil which makes the new SiC Foil back grinding papers stick very well and at the same time very easy to remove again.

Traditional PSA back and self adhesive grinding papers are difficult to apply, difficult to remove. The Foil back papers are removed easily, without leaving any trace of adhesive.

Water does not affect the shape of the foil at all. So it does not curl as traditional SiC Paper and stays flat and ready for immediate or later re-use



# SiC PAPER GRINDING DISCS

Foil Back, CATCHY SYSTEM

Order No	Code	Type	Diameter	Grit Size	Quantity / Pack
38-020-60F	DEMPAX-F	Foil Back	200	60	2x50
38-020-120F	DEMPAX-F	Foil Back	200	120	100
38-020-180F	DEMPAX-F	Foil Back	200	180	100
38-020-240F	DEMPAX-F	Foil Back	200	240	100
38-020-320F	DEMPAX-F	Foil Back	200	320	100
38-020-400F	DEMPAX-F	Foil Back	200	400	100
38-020-600F	DEMPAX-F	Foil Back	200	600	100
38-020-800F	DEMPAX-F	Foil Back	200	800	100
38-020-1000F	DEMPAX-F	Foil Back	200	1000	100
38-020-1200F	DEMPAX-F	Foil Back	200	1200	100
38-020-2500F	DEMPAX-F	Foil Back	200	2500	100
38-020-4000F	DEMPAX-F	Foil Back	200	4000	100
38-020-SF	DEMPAX-F	Foil Back	200	Mix{120-2500}	100
38-040-60F	DEMPAX-F	Foil Back	250	60	2x50
38-040-120F	DEMPAX-F	Foil Back	250	120	100
38-040-180F	DEMPAX-F	Foil Back	250	180	100
38-040-240F	DEMPAX-F	Foil Back	250	240	100
38-040-320F	DEMPAX-F	Foil Back	250	320	100
38-040-400F	DEMPAX-F	Foil Back	250	400	100
38-040-600F	DEMPAX-F	Foil Back	250	600	100
38-040-800F	DEMPAX-F	Foil Back	250	800	100
38-040-1000F	DEMPAX-F	Foil Back	250	1000	100
38-040-1200F	DEMPAX-F	Foil Back	250	1200	100
38-040-2500F	DEMPAX-F	Foil Back	250	2500	100
38-040-4000F	DEMPAX-F	Foil Back	250	4000	100
38-040-SF	DEMPAX-F	Foil Back	250	Mix{120-2500}	100
38-050-060F	DEMPAX-F	Foil Back	300	60	2x50
38-050-120F	DEMPAX-F	Foil Back	300	120	100
38-050-180F	DEMPAX-F	Foil Back	300	180	100
38-050-240F	DEMPAX-F	Foil Back	300	240	100
38-050-320F	DEMPAX-F	Foil Back	300	320	100
38-050-400F	DEMPAX-F	Foil Back	300	400	100
38-050-600F	DEMPAX-F	Foil Back	300	600	100
38-050-800F	DEMPAX-F	Foil Back	300	800	100
38-050-1000F	DEMPAX-F	Foil Back	300	1000	100
38-050-1200F	DEMPAX-F	Foil Back	300	1200	100
38-050-2500F	DEMPAX-F	Foil Back	300	2500	100
38-050-4000F	DEMPAX-F	Foil Back	300	4000	100
38-050-SF	DEMPAX-F	Foil Bac	300	Mix{120-2500}	100

## CATCHY FIX PLATE

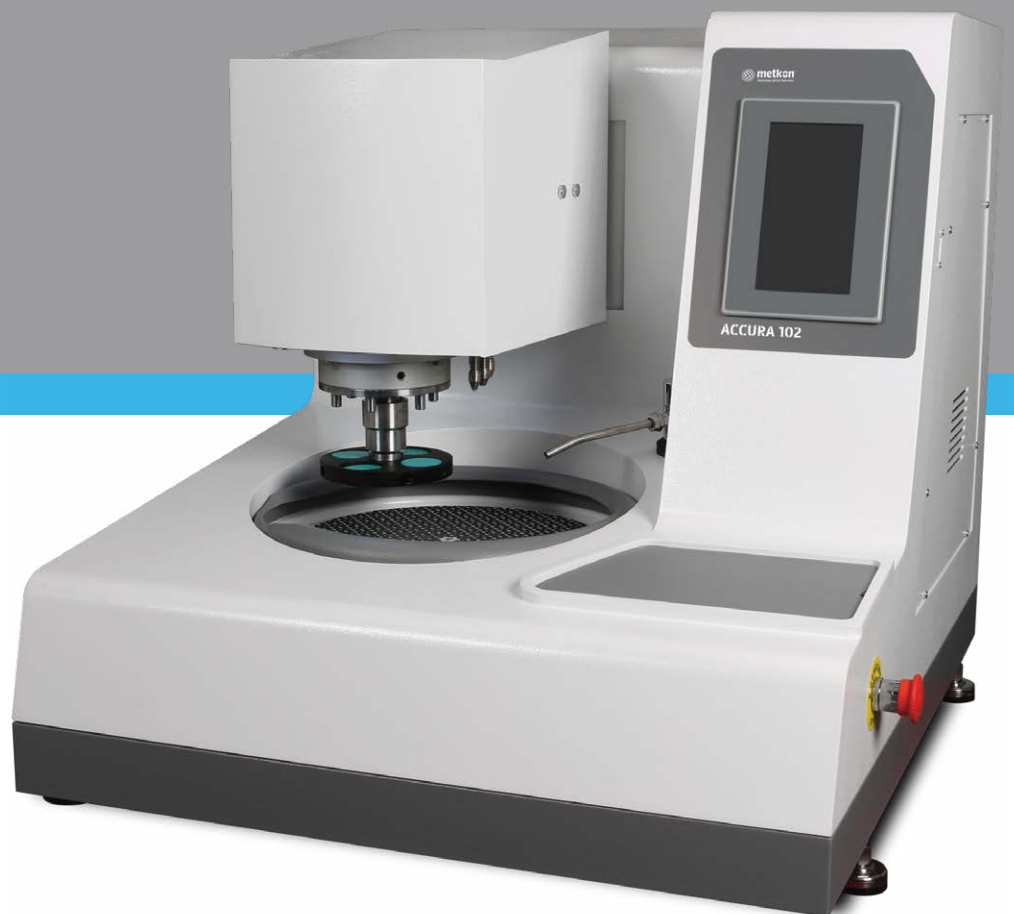
Order No	Code	Description
CFP	39-083-200	Ø 200 mm, Catchy Fix Plate [1 pc]
CFP	39-083-250	Ø 250 mm, Catchy Fix Plate [1 pc]
CFP	39-083-300	Ø 300 mm, Catchy Fix Plate [1 pc]

GRINDING

# PAPER GRINDING DISCS

## PLAIN BACK

Coarse paper discs (up to 120 grit) are used for planar grinding. Fine grinding removes the deformations resulting from coarse grinding to make the surface ready for polishing which is the final stage. Metkon paper grinding discs are available as "Plain back" and "Foil Back" for CATCHY System.



# SiC PAPER GRINDING DISCS

Plain Back

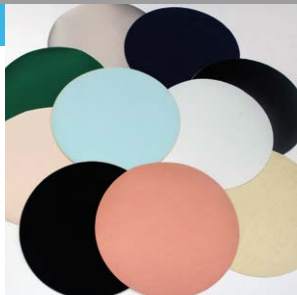
Order No	Code	Type	Diameter	Grit Size	Quantity / Pack
38-020-60	DEMPAX	Plain Back	200	60	2x50
38-020-120	DEMPAX	Plain Back	200	120	100
38-020-180	DEMPAX	Plain Back	200	180	100
38-020-240	DEMPAX	Plain Back	200	240	100
38-020-320	DEMPAX	Plain Back	200	320	100
38-020-400	DEMPAX	Plain Back	200	400	100
38-020-600	DEMPAX	Plain Back	200	600	100
38-020-800	DEMPAX	Plain Back	200	800	100
38-020-1000	DEMPAX	Plain Back	200	1000	100
38-020-1200	DEMPAX	Plain Back	200	1200	100
38-020-2500	DEMPAX	Plain Back	200	2500	100
38-020-4000	DEMPAX	Plain Back	200	4000	100
38-020-S	DEMPAX	Plain Back	200	Mix{120-2500}	100
38-040-60	DEMPAX	Plain Back	250	60	2x50
38-040-120	DEMPAX	Plain Back	250	120	100
38-040-180	DEMPAX	Plain Back	250	180	100
38-040-240	DEMPAX	Plain Back	250	240	100
38-040-320	DEMPAX	Plain Back	250	320	100
38-040-400	DEMPAX	Plain Back	250	400	100
38-040-600	DEMPAX	Plain Back	250	600	100
38-040-800	DEMPAX	Plain Back	250	800	100
38-040-1000	DEMPAX	Plain Back	250	1000	100
38-040-1200	DEMPAX	Plain Back	250	1200	100
38-040-2500	DEMPAX	Plain Back	250	2500	100
38-040-4000	DEMPAX	Plain Back	250	4000	100
38-040-S	DEMPAX	Plain Back	250	Mix{120-2500}	100
38-050-060	DEMPAX	Plain Back	300	60	2x50
38-050-120	DEMPAX	Plain Back	300	120	100
38-050-180	DEMPAX	Plain Back	300	180	100
38-050-240	DEMPAX	Plain Back	300	240	100
38-050-320	DEMPAX	Plain Back	300	320	100
38-050-400	DEMPAX	Plain Back	300	400	100
38-050-600	DEMPAX	Plain Back	300	600	100
38-050-800	DEMPAX	Plain Back	300	800	100
38-050-1000	DEMPAX	Plain Back	300	1000	100
38-050-1200	DEMPAX	Plain Back	300	1200	100
38-050-2500	DEMPAX	Plain Back	300	2500	100
38-050-4000	DEMPAX	Plain Back	300	4000	100
38-050-S	DEMPAX	Plain Back	300	Mix{120-2500}	100
48-040-120	DEMPAX ECO	Plain Back	250	120	100
48-040-180	DEMPAX ECO	Plain Back	250	180	100
48-040-240	DEMPAX ECO	Plain Back	250	240	100
48-040-320	DEMPAX ECO	Plain Back	250	320	100
48-040-600	DEMPAX ECO	Plain Back	250	600	100
48-040-1000	DEMPAX ECO	Plain Back	250	1000	100
48-040-1200	DEMPAX ECO	Plain Back	250	1200	100

## POLISHING

# POLISHING CLOTHS

There are three types of polishing cloths; Woven, Non-Woven and Flocked.

- Woven cloths offer 'hard surface' polishing properties and guarantee flat pre-polishing, without deterioration of the edges.
- Non-woven cloths, are used on very hard materials for high precision surface finishing such as glass, quartz, sapphire and semi-conductors.
- The Flocked cloths, guarantee a super-polished finish. The polishing duration must be as short as possible, to avoid inclusions from being extracted.





















































## POLISHING CLOTHS

Self Adhesive Back

Order No	Code	Type	Composition	Grain Size (Mesh)	Recommended for Cutting	Color
39-005-	NOWO	NonWoven	Semihard, PSA nonwoven impregnated and water-proof	Diamond 9-1 µm	Fine polishing of singlesrystal; glass corindon, quartz; ceramic, rocks; etc.	
39-013-	METAPO-P	Woven	Fine Woven Cloth mounted on a Composite (metal/plastic) semi rigid PSA backing. High wear resistance.	Diamond 9-6 µm	Coarse polishing of hard and semihard metallographic sections and different meterials. Good flatness.	
39-033-	METAPO-B	Woven	Fine woven sythetic satin cloth munted on a composite (mela/plastic)semi rigid PSA backing.	Diamond 3-1 µm	Final polishing of hard and semi-hard metallographic sections and different materials. Good edge retention on surface treated materials.	
39-043-	METAPO-V	Woven	Fine Woven Cloth mounted on a Composite (metal/plastic) semi rigid PSA backing. High wear resistance.	Diamond 1-0,1 µm Fine Alum	Final Polishing with extra smooth abrasion; good flatness optioal finish of hard materials.	
39-015-	FEDO-6J	Flocked	Synthetic fibre flock to a PVC backing.	Diamond 6 µm	Rough polishing of most materials.	
39-025-	FEDO-3	Flocked	Soft sythetic flock bound to a woven cotton PSA backing. To be used with water based suspensions and lubricants only.	Diamond 3 µm	Intermediate polishing of most materials.	
39-066-	FEDO-1S	Flocked	Soft sythetic flock bound to a woven cotton PSA backing. To be used with water based suspensions and lubricants only.	Diamond 1 µm	Fine polishing of most materials.	
39-067-	FEDO-1M	Flocked	Soft sythetic flock bound to a woven cotton PSA backing. To be used with water based suspensions and lubricants only.	Diamond 1 µm	Fine polishing of most materials.	
39-055-	FEDO-1N	Flocked	Very soft low nap felt bound to a PSA backing. To be used with water-based suspensioe and lubricants only.	Diamond 0,25 µm	Fine polishing of most materials.	
39-075-	ALSO	Non-Woven	Extra soft and supple cloth, PSA backed excellent chemical resistance.	Diamond 0,25 µm Fine Alum	Optical polishing of glass, single crystals, semi-conductors and soft metals.	
39-095-	WOOL	Woven	%100 wool cloth, PSA backed.	Diamond 6-3 µm	For polishing optics and metals.	
39-085-	COLLO	Chemo-Textile	Recomended cloth for Chemo-mechanical polishing operations. PSA backed.	Colloidal silica	For use with a chemical mechanical polishing precess with colloidal silica suspension. Espacially for non ferrous materials as well as Aluminium, Brass; etc.	
39-090-	PETRI	Chemo-Textile	The medium chemo-textile cloth for smoothing and polishing operation.	Diamond 6-1 µm Fine Alum.	For petrography: Rocks, minerals, ceramics; etc.	



# POLISHING CLOTHS

Order No	Code	Diameter	Color	Type	Quantity / Pack
39-005-200	NOWO	200		Self Adhesive Back	10
39-013-200	METAPO-P	200		Self Adhesive Back	10
39-033-200	METAPO-B	200		Self Adhesive Back	10
39-043-200	METAPO-V	200		Self Adhesive Back	10
39-015-200	FEDO-6J	200		Self Adhesive Back	10
39-025-200	FEDO-3	200		Self Adhesive Back	10
39-066-200	FEDO-1S	200		Self Adhesive Back	10
39-067-200	FEDO-1M	200		Self Adhesive Back	10
39-055-200	FEDO-1N	200		Self Adhesive Back	10
39-075-200	ALSO	200		Self Adhesive Back	10
39-095-200	WOOL	200		Self Adhesive Back	10
39-085-200	COLLO	200		Self Adhesive Back	10
39-090-200	PETRI	200		Self Adhesive Back	10
39-200-SPC	MIX	200		Self Adhesive Back	5
39-005-250	NOWO	250		Self Adhesive Back	10
39-013-250	METAPO-P	250		Self Adhesive Back	10
39-033-250	METAPO-B	250		Self Adhesive Back	10
39-043-250	METAPO-V	250		Self Adhesive Back	10
39-015-250	FEDO-6J	250		Self Adhesive Back	10
39-025-250	FEDO-3	250		Self Adhesive Back	10
39-066-250	FEDO-1S	250		Self Adhesive Back	10
39-067-250	FEDO-1M	250		Self Adhesive Back	10
39-055-250	FEDO-1N	250		Self Adhesive Back	10
39-075-250	ALSO	250		Self Adhesive Back	10
39-095-250	WOOL	250		Self Adhesive Back	10
39-085-250	COLLO	250		Self Adhesive Back	10
39-090-250	PETRI	250		Self Adhesive Back	10
39-200-SPC	MIX	250		Self Adhesive Back	5
39-005-300	NOWO	300		Self Adhesive Back	10
39-013-300	METAPO-P	300		Self Adhesive Back	10
39-033-300	METAPO-B	300		Self Adhesive Back	10
39-043-300	METAPO-V	300		Self Adhesive Back	10
39-015-300	FEDO-6J	300		Self Adhesive Back	10
39-025-300	FEDO-3	300		Self Adhesive Back	10
39-066-300	FEDO-1S	300		Self Adhesive Back	10
39-067-300	FEDO-1M	300		Self Adhesive Back	10
39-055-300	FEDO-1N	300		Self Adhesive Back	10
39-075-300	ALSO	300		Self Adhesive Back	10
39-095-300	WOOL	300		Self Adhesive Back	10
39-085-300	COLLO	300		Self Adhesive Back	10
39-090-300	PETRI	300		Self Adhesive Back	10
39-200-SPC	MIX	300		Self Adhesive Back	5
39-013-350	METAPO-P	350		Self Adhesive Back	10
39-033-350	METAPO-B	350		Self Adhesive Back	10
39-015-350	FEDO-6J	350		Self Adhesive Back	10
39-025-350	FEDO-3	350		Self Adhesive Back	10
39-066-350	FEDO-1S	350		Self Adhesive Back	10
39-055-350	FEDO-1N	350		Self Adhesive Back	10
39-085-350	COLLO	350		Self Adhesive Back	10
39-350-SPC	MIX	350		Self Adhesive Back	5

# DIAMOND PRODUCTS

Diamond, due to its exceptional hardness and cutting capacity, has become the first choice abrasive in metallographic polishing.

Diamonds for metallographic grinding and polishing are available in two different crystalline shapes: Polycrystalline (P) and Monocrystalline (M). Polycrystalline diamonds provide vast numbers of small cutting edges. In the metallographic preparation process these edges result in high material removal, while producing only a shallow scratch depth.

Monocrystalline diamonds are more block-shaped and provide few cutting edges. These diamonds give high material removal with a more variable scratch pattern. For high requirements, the (P)-type diamonds are chosen. The (M) type diamonds are best suited for all-purpose polishing.

METKON offers diamond products in three forms; diamond paste, diamond suspension and two in one products; a perfect mixture of diamond suspension & lubricant.

## DIAMOND PASTES

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-301-M	DIAPAT-M	Water-Based	0,25 Micron	10 gr. syringe
39-311-M	DIAPAT-M	Water-Based	1 Micron	10 gr. syringe
39-321-M	DIAPAT-M	Water-Based	3 Micron	10 gr. syringe
39-331-M	DIAPAT-M	Water-Based	6 Micron	10 gr. syringe
39-341-M	DIAPAT-M	Water-Based	9 Micron	10 gr. syringe

## DIAMOND PASTES

Polycrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-301-P	DIAPAT-P	Water-Based	0,25 Micron	10 gr. syringe
39-311-P	DIAPAT-P	Water-Based	1 Micron	10 gr. syringe
39-321-P	DIAPAT-P	Water-Based	3 Micron	10 gr. syringe
39-331-P	DIAPAT-P	Water-Based	6 Micron	10 gr. syringe
39-341-P	DIAPAT-P	Water-Based	9 Micron	10 gr. syringe

# DIAMOND SUSPENSIONS

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-400-M	DIAPAT-M	Water-Based	0,25 Micron	250 ml. pump bottle
39-410-M	DIAPAT-M	Water-Based	1 Micron	250 ml. pump bottle
39-420-M	DIAPAT-M	Water-Based	3 Micron	250 ml. pump bottle
39-430-M	DIAPAT-M	Water-Based	6 Micron	250 ml. pump bottle
39-440-M	DIAPAT-M	Water-Based	9 Micron	250 ml. pump bottle
39-411-M	DIAPAT-M	Water-Based	1 Micron	1 lt. bottle
39-421-M	DIAPAT-M	Water-Based	3 Micron	1 lt. bottle
39-431-M	DIAPAT-M	Water-Based	6 Micron	1 lt. bottle
39-415-M	DIAPAT-M	Water-Based	1 Micron	5 lt. bottle
39-425-M	DIAPAT-M	Water-Based	3 Micron	5 lt. bottle
39-435-M	DIAPAT-M	Water-Based	6 Micron	5 lt. bottle

# DIAMOND SUSPENSIONS

Polycrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-400-P	DIAPAT-P	Water-Based	0,25 Micron	250 ml. pump bottle
39-410-P	DIAPAT-P	Water-Based	1 Micron	250 ml. pump bottle
39-420-P	DIAPAT-P	Water-Based	3 Micron	250 ml. pump bottle
39-430-P	DIAPAT-P	Water-Based	6 Micron	250 ml. pump bottle
39-440-P	DIAPAT-P	Water-Based	9 Micron	250 ml. pump bottle
39-411-P	DIAPAT-P	Water-Based	1 Micron	1 lt. bottle
39-421-P	DIAPAT-P	Water-Based	3 Micron	1 lt. bottle
39-431-P	DIAPAT-P	Water-Based	6 Micron	1 lt. bottle

# DIAMOND 2 IN 1 PRODUCT

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-510-M	DUOPAT-M	Water-Based	1 Micron	500 ml. bottle
39-520-M	DUOPAT-M	Water-Based	3 Micron	500 ml. bottle
39-530-M	DUOPAT-M	Water-Based	6 Micron	500 ml. bottle
39-540-M	DUOPAT-M	Water-Based	9 Micron	500 ml. bottle
39-511-M	DUOPAT-M	Water-Based	1 Micron	2.5 lt. bottle
39-521-M	DUOPAT-M	Water-Based	3 Micron	2.5 lt. bottle
39-531-M	DUOPAT-M	Water-Based	6 Micron	2.5 lt. bottle
39-541-M	DUOPAT-M	Water-Based	9 Micron	2.5 lt. bottle

# DIAMOND 2 IN 1 PRODUCT

Polycrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-510-P	DUOPAT-P	Water-Based	1 Micron	500 ml. bottle
39-520-P	DUOPAT-P	Water-Based	3 Micron	500 ml. bottle
39-530-P	DUOPAT-P	Water-Based	6 Micron	500 ml. bottle
39-540-P	DUOPAT-P	Water-Based	9 Micron	500 ml. bottle

# DIAMOND LUBRICANT

Order No	Code	Type	Quantity
39-502	DIAPAT	Water-Based	1.0 lt. bottle

# ALUMINA & COLLOIDAL SILICA

ALU-MIK is a deagglomerated alumina polishing powder and it produces a fine surface quickly due to the lack of aggregates. ALU-MIK alumina suspensions have been developed to give the operator easy to use pre-prepared polishing media. It requires no dilution with water and can be dispensed with COL-K(NC)

Colloidal silica suspension is able to produce the ultimate in high quality mirror polishes on polishing machine. A part abrasive, part chemical polishing action makes colloidal silica well suited to polishing difficult materials such as Aluminium, Stellite and Cobalt Chrome. automating dispensing units, like DOSIMAT.

# ALUMINA & COLLOIDAL SILICA

Suspensions & Powders

Order No	Code	Alumina Product
39-200	ALU-MIK	Alumina Suspension 0.05 Mic. 1.0 lt. bottle
39-210	ALU-MIK	Alumina Suspension 0.3 Mic. 1.0 lt. bottle
39-220	ALU-MIK	Alumina Suspension 1.0 Mic. 1.0 lt. bottle
39-100	ALU-MIK	Alumina Powder 0.05 Mic. 500 gr.
39-110	ALU-MIK	Alumina Powder 0.3 Mic. 500 gr.
39-120	ALU-MIK	Alumina Powder 1.0 Mic. 500 gr.
39-600	COL-K(NC)	Colloidal Silica [1 lt.] Bottle

GRINDING

# PORTABLE METALLOGRAPHY

In-situ/Field metallography is widely used for microstructure analysis on large parts (samples) that cannot be easily carried or where destructive preparation is permissible such as storage tanks, piping system, power plants, etc. In-situ Metallography allows for quick on-site evaluation of a component. There are numerous advantages in using in-situ/field metallography.



## PAPER GRINDING DISCS

Self-Adhesive Back

Order No	Code	Type	Diameter	Grit Size	Quantity / Pack
90 20	DEMPAX-P	Self-Adhesive Back	30	80	250
90 21	DEMPAX-P	Self-Adhesive Back	30	120	250
90 22	DEMPAX-P	Self-Adhesive Back	30	320	250
90 23	DEMPAX-P	Self-Adhesive Back	30	500	250
90 24	DEMPAX-P	Self-Adhesive Back	30	800	250
90 25	DEMPAX-P	Self-Adhesive Back	30	1200	250

## POLISHING CLOTHS

Self-Adhesive Back

Order No	Code	Type	Diameter	Grit Size	Quantity / Pack
90 36	PORTO	Self-Adhesive Back	30	0.25-1-3	50
90 27	RADO	Self-Adhesive Back	30	6-9	50

## DIAMOND PASTES

Monocrystalline

Order No	Code	Type	Diameter	Quantity / Pack
39-301-M	DIAPAT-M	Water-Based	0.25 $\mu$	10 gr. Syringe
39-311-M	DIAPAT-M	Water-Based	1 $\mu$	10 gr. Syringe
39-321-M	DIAPAT-M	Water-Based	3 $\mu$	10 gr. Syringe
39-331-M	DIAPAT-M	Water-Based	6 $\mu$	10 gr. Syringe
39-341-M	DIAPAT-M	Water-Based	9 $\mu$	10 gr. Syringe

## DIAMOND LUBRICANT

Order No	Code	Type	Quantity
39-502	DIAPAT	Water-Based	1.0 lt. bottle

## REPLICA SET & ETCHING

Order No	Description
90 28	Cotton rolls (100 pcs) for electrolytic etching
90 40	Replica foil 35 microns thick, to be used with acetone
90 41	Microscope slide glasses



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Distributor:

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