



Consumables for grinding



Grinding

Mechanical grinding is a machining process using bonded abrasive grains to level and smooth the specimen surface. This process is divided into three categories in materialography as follows:



Typically, silicon carbide (SiC), aluminum dioxide (Al₂O₃), silicon dioxide (SiO₂), zirconium dioxide (ZrO₂), diamond or cubic boron nitride (CBN) are used as abrasives. Particular attention must be paid here to low-deformation material removal and at the same time to keeping the number of preparation steps as low as possible. A wide range of QPREP grinding media is available for this purpose.

Qprep Planar grinding stones

If highest stock removal with highest planarity in the shortest time is required, the use of a planar grinding stone in materialographic specimen preparation is essential. In combination with our powerful automatic Qgrid XL planar grinding machine or our grinding and polishing automat Qpol 300 BOT, even high sample throughputs can be efficiently planar ground.



PRODUCT ADVANTAGES

- | Short machining time
- | Excellent planarity for all materials
- | Optimized removal rates with Qgrid XL stock removal monitoring
- | Ideal preparatory work for polishing on our Qpol polishing machine series

RECOMMENDED APPLICATIONS

- | Primary material control with high sample throughput
- | Serial inspections

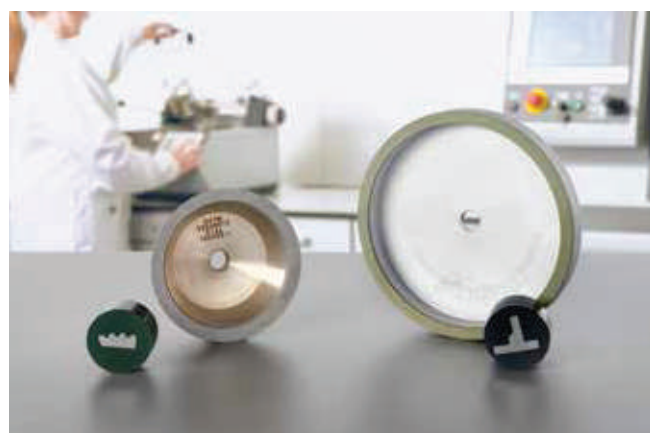
Item No.	Unit	Description
PLANAR GRINDING STONES FOR QGRIND XL		
Grain Size FEPA standard	Outer Ø	Inner Ø
Abor Size Ø		
White corundum grinding stone		
• for tool steel (hardened and not hardened), stainless steel, steel and cast iron		
95016741	1 Pc.	100 356 mm 126 mm 38 mm
NEW 95017565	1 Pc.	150 356 mm 126 mm 38 mm
SIC grinding stone		
• for sintered materials (low- and unalloyed), aluminum, chilled cast iron, copper		
NEW 95016746	1 Pc.	80 356 mm 126 mm 38 mm
95016747	1 Pc.	150 356 mm 126 mm 38 mm
Multi point dressing diamond for dressing face grinding stones		
95016897	1 Pc.	Multi point dressing diamond



Item No.	Unit	Description			
PLANAR GRINDING STONES FOR SAPHIR 375 AND QPOL 300 BOT					
		Grain Size FEPA standard	Outer Ø	Inner Ø	Arbor Size Ø
White corundum grinding stone <ul style="list-style-type: none">• for tool steel (hardened and not hardened), stainless steel, steel and cast iron• glued on metal carrier plate					
95000180	1 Pc.	100	350 mm	90 mm	40 mm
95000210	1 Pc.	150	350 mm	90 mm	40 mm
95002034	1 Pc.	180	350 mm	90 mm	40 mm
SIC grinding stone <ul style="list-style-type: none">• for sintered materials (low- and unalloyed), aluminum, chilled cast iron, copper• glued on metal carrier plate					
95002223	1 Pc.	80	350 mm	90 mm	40 mm
Inner diameter 120 mm on request					
Multi point dressing diamond for dressing face grinding stones					
92008759	1 Pc.	Multi point dressing diamond			

Qprep Diamond cup grinder

If a specimen with parallel faces is desired after precision cutting the use of a diamond cup wheel for further processing is recommended. Used in our precision cutting machines Qcut 150 M, Qcut 150 A and Qcut 200 A with vacuum specimen holder, the QPREP diamond cup grinder enable the user to achieve optimum planar parallelism with high surface quality and reproducibility.



PRODUCT ADVANTAGES

- Planar parallel sample preparation
- Stock removal with high accuracy
- Very high repeat accuracy

RECOMMENDED APPLICATIONS

- Target preparation
- Defect analysis
- Thin section technology
- Petrographic examinations

Item No.	Unit	Description				
DIAMOND CUP GRINDER						
		Ø	Thickness	Height	Arbor Size	Grain Size
• for glass fiber reinforced plastics and printed circuit boards • with galvanic bond						
92006607	1 Pc.	150 mm	8 mm	35 mm	12.7 mm	D126
• for glass, ceramics, rocks, hard metal • with resin bond						
95017564	1 Pc.	150 mm	8 mm	21.5 mm	12.7 mm	D252
95015123	1 Pc.	150 mm	8 mm	21.5 mm	12.7 mm	D151
95017562	1 Pc.	150 mm	8 mm	21.5 mm	12.7 mm	D126
95015122	1 Pc.	150 mm	8 mm	21.5 mm	12.7 mm	D64
95017563	1 Pc.	150 mm	8 mm	21.5 mm	12.7 mm	D12

Grinding Discs

QPREP provides a comprehensive portfolio of grinding discs with different bond systems, grain types and gain sizes. This way always allows to find the best solutions for individual requirements. All abrasive elements are on a metal carrier. So they can be directly applied on the QPREP magnetic foil without further tools. The grinding elements have just minimal resilience and ensure a planar surface with high edge retention. By this, it will gain stock removal free of smearing and chipping. QPREP grinding discs realize short preparation times and have in parallel long life times. Thus, will importantly contributes to a sustainable and resource-saving process in materialography.

PRODUCT ADVANTAGES

- High lifetime
- High planarity
- Sample preparation with high edge retention
- Sustainable and eco-friendly

Range of grinding and polishing systems

FEPA	P60	P80-100	P100-120	P180-320	P400-600	P800-1000	P5000	material hardness
GALAXY		GREY	RED	GREEN	BLUE	YELLOW		> 350 HV
Grain size (µm)	250		125	60	30	15	6	3 material hardness
POLARIS M				60	30	15	6	3 250 – 600 HV
POLARIS H			125	60	30	15	6	3 > 500 HV
QUASAR	250		125	91 46				> 500 HV
VEGA			125	75 54	25	10		universal

Removal rate*

GALAXY	<div></div>
POLARIS M	<div></div>
POLARIS H	<div></div>
QUASAR	<div></div>
VEGA	<div></div>

Surface quality*

GALAXY	<div></div>
POLARIS M	<div></div>
POLARIS H	<div></div>
QUASAR	<div></div>
VEGA	<div></div>

*with newly dressed / cleaned disc and same grit sizes



Qprep Magnetic foil

For low resilience during grinding (or polishing) as well as best adhesion and easy handling of the QPREP GALAXY grinding discs (or polishing cloths), the QPREP magnetic foil is perfectly suited.



PRODUCT ADVANTAGES

- Low resilience
- One time application on the working disc of the machine
- Long service life
- Different magnet. field strengths

RECOMMENDED APPLICATIONS

- For the use of all GALAXY grinding discs and polishing cloths
- Frequent change of grinding discs and polishing cloths

Item No.	Unit	Description	
MAGNETIC FOIL, SELF-ADHESIVE			
		Ø	thickness
Magnetic foil, strong adhesion			
• to apply on working wheel			
95016345	1 Pc.	200 mm	1 mm
95016346	1 Pc.	250 mm	1 mm
95012161	1 Pc.	300 mm	1 mm
95014137	1 Pc.	350 mm	1 mm
Magnetic foil, strongest adhesion			
• to apply on working wheel			
• Increased magnetic adhesion by higher material thickness			
95016300	1 Pc.	250 mm	2 mm
95016301	1 Pc.	300 mm	2 mm



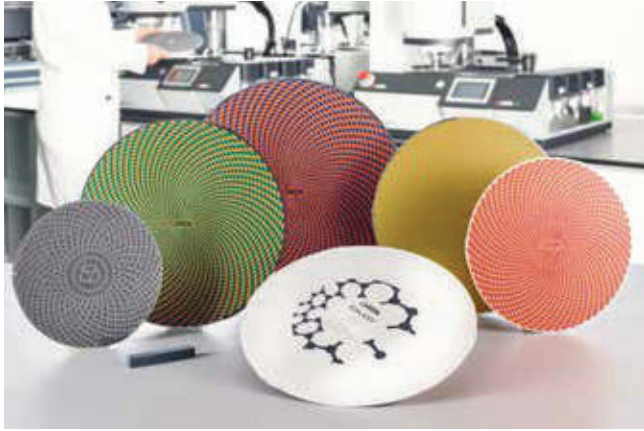
Applying the magnetic foil



Placing e.g. a diamond grinding disc on the magnetic foil

Qprep GALAXY diamond grinding disc

QPREP GALAXY diamond grinding discs are equipped with specially arranged elements, which contains resin-bonded diamond grains, on a stainless-steel metal carrier. They are used for planar and fine grinding of medium-hard and hard materials. The color-coded grinding discs cover the FEPA grain sizes P80 to P1000. The color coding for the individual grain size ranges can be found in the application table.



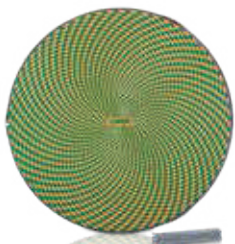
PRODUCT ADVANTAGES

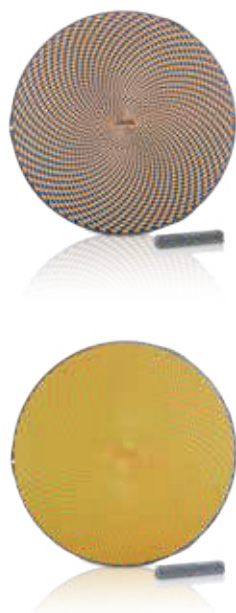
- | High stock removal
- | Short processing times
- | High planarity

RECOMMENDED APPLICATIONS

- | Steel with medium and high hardness
- | Cast iron (CJS / CJL)
- | Composites
- | Hard metal
- | Glass

Item No.	Unit	Description	
GALAXY DIAMOND GRINDING DISCS			
BOND: RESIN			
Description			Ø
for medium to hard materials			
• planar grinding: grey			
(P80 – P100)			
• Fixation system: Magnetic foil			
95005505	1 Pc.	GALAXY diamond grinding disc grey	200 mm
95004279	1 Pc.	GALAXY diamond grinding disc grey	250 mm
95004280	1 Pc.	GALAXY diamond grinding disc grey	300 mm
95013917	1 Pc.	GALAXY diamond grinding disc grey	350 mm
incl. dressing stone No. 95006603			
for medium to hard materials			
• planar grinding: red			
(P100 – P120)			
• Fixation system: Magnetic foil			
95005521	1 Pc.	GALAXY diamond grinding disc red	200 mm
95004310	1 Pc.	GALAXY diamond grinding disc red	250 mm
95004314	1 Pc.	GALAXY diamond grinding disc red	300 mm
95013918	1 Pc.	GALAXY diamond grinding disc red	350 mm
incl. dressing stone No. 95006603			
for medium to hard materials			
• fine grinding: green			
(P180 – P320)			
• Fixation system: Magnetic foil			
95005522	1 Pc.	GALAXY diamond grinding disc green	200 mm
95004311	1 Pc.	GALAXY diamond grinding disc green	250 mm
95004315	1 Pc.	GALAXY diamond grinding disc green	300 mm
95013919	1 Pc.	GALAXY diamond grinding disc green	350 mm
incl. dressing stone No. 95006603			





Item No.	Unit	Description	
GALAXY DIAMOND GRINDING DISCS BOND: RESIN			
		Description	Ø
for medium to hard materials			
• fine grinding: blue (P400 – P600)			
• Fixation system: Magnetic foil			
95005523	1 Pc.	GALAXY diamond grinding disc blue	200 mm
95004312	1 Pc.	GALAXY diamond grinding disc blue	250 mm
95004316	1 Pc.	GALAXY diamond grinding disc blue	300 mm
95013920	1 Pc.	GALAXY diamond grinding disc blue	350 mm
incl. dressing stone No. 95006603			
for medium to hard materials			
• fine grinding: yellow (P800 – P1000)			
• Fixation system: Magnetic foil			
95005524	1 Pc.	GALAXY diamond grinding disc yellow	200 mm
95004313	1 Pc.	GALAXY diamond grinding disc yellow	250 mm
95004317	1 Pc.	GALAXY diamond grinding disc yellow	300 mm
95013921	1 Pc.	GALAXY diamond grinding disc yellow	350 mm
incl. dressing stone No. 95006603			

Grid to grain size conversion chart

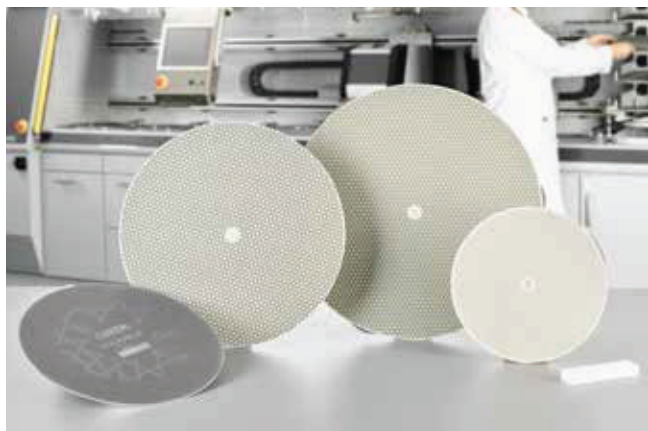
The values provided are only intended as guidelines. Grit sizes are considered as a range, rather than a specific value.

The Federation of European Producers of Abrasives, known as FEPA, and the American National Standards Institute, known as ANSI, as well as the Japanese Industrial Standards Committee (JISC) are the respective organizations that define these standards and are the basis for the conversion. QPREP abrasive paper conforms to the European FEPA P standard.

Grain size [µm]	201	125	82	60	46	30	22	15	8	5
FEPA P (Europe)	P80	P120	P180	P240	P320	P500	P800	P1.200	P2.500	P4.000
ANSI/CAMI (USA)	#80	#100	#150	#220	#280	#360	#400	#600	#1.000	#1.200
JIS (Japan)	~J60	J100	J150	J320	J360	J600	J700	J1.000	J2.000	J3.000

Qprep POLARIS M diamond grinding disc

QPREP Polaris M is a grinding disc on a zinc-plated metal carrier for pre- and fine grinding of medium-hard materials. The back of the product is coated with a high-quality non-slip print. The grinding disc is equipped with diamonds bonded in medium-hard synthetic resin. The functional back print provides secure adhesion to the magnetic foil.

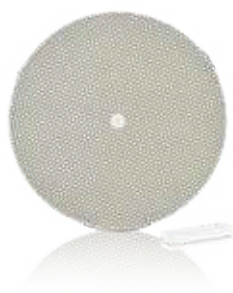


PRODUCT ADVANTAGES

- | High stock removal
- | Particularly high planarity with high surface quality
- | Long lifetime

RECOMMENDED APPLICATIONS

- | Metal materials of medium hardness < 500 HV
- | Polymer materials
- | Composites
- | Ceramics

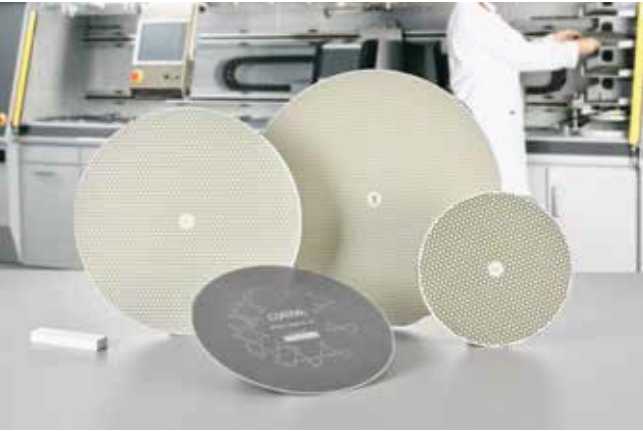


Item No.	Unit	Description
POLARIS M DIAMOND GRINDING DISCS		
Description		Grain Size
for medium-hard materials		
• incl. cleaning stone No. (95015077)		
• Fixation system: Magnetic foil		
250 mm Ø		
95015016	1 Pc.	POLARIS M diamond grinding disc 60 µm
95015017	1 Pc.	POLARIS M diamond grinding disc 30 µm
95015018	1 Pc.	POLARIS M diamond grinding disc 15 µm
95015019	1 Pc.	POLARIS M diamond grinding disc 6 µm
95015020	1 Pc.	POLARIS M diamond grinding disc 3 µm
300 mm Ø		
95015041	1 Pc.	POLARIS M diamond grinding disc 60 µm
95015042	1 Pc.	POLARIS M diamond grinding disc 30 µm
95015043	1 Pc.	POLARIS M diamond grinding disc 15 µm
95015044	1 Pc.	POLARIS M diamond grinding disc 6 µm
95015045	1 Pc.	POLARIS M diamond grinding disc 3 µm

Notes

Qprep POLARIS H diamond grinding disc

QPREP Polaris H is a grinding disc on a zinc-plated metal carrier for pre- and fine grinding of hard materials. The back of the product is coated with a high-quality non-slip print. The grinding disc is equipped with diamonds bonded in hard synthetic resin. The functional back print provides secure adhesion to the magnetic foil.

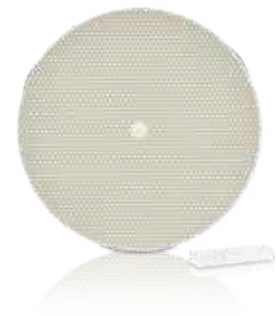


PRODUCT ADVANTAGES

- High stock removal
- Particularly high planarity with high surface quality
- Long lifetime

RECOMMENDED APPLICATIONS

- Metal materials of higher hardness > 500HV
- Fiber reinforced plastics
- Composites
- Ceramics
- Rocks

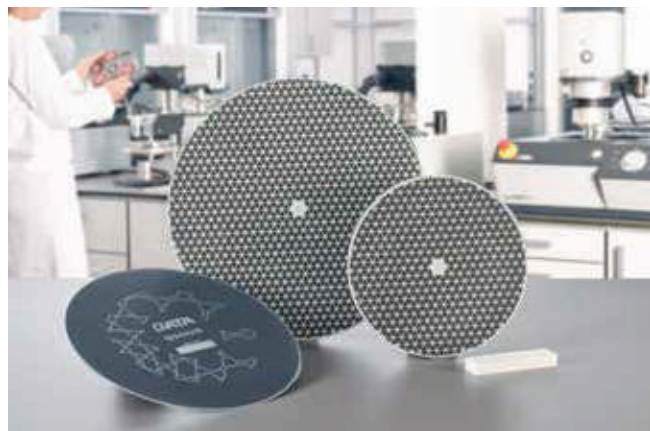


Item No.	Unit	Description
POLARIS H DIAMOND GRINDING DISCS		
		Description
		Grain Size
for hard materials		
• incl. cleaning stone No. (95015077)		
• Fixation system: Magnetic foil		
250 mm Ø		
95015010	1 Pc.	POLARIS H diamond grinding disc 125 µm
95015011	1 Pc.	POLARIS H diamond grinding disc 60 µm
95015012	1 Pc.	POLARIS H diamond grinding disc 30 µm
95015013	1 Pc.	POLARIS H diamond grinding disc 15 µm
95015014	1 Pc.	POLARIS H diamond grinding disc 6 µm
95015015	1 Pc.	POLARIS H diamond grinding disc 3 µm
300 mm Ø		
95015035	1 Pc.	POLARIS H diamond grinding disc 125 µm
95015036	1 Pc.	POLARIS H diamond grinding disc 60 µm
95015037	1 Pc.	POLARIS H diamond grinding disc 30 µm
95015038	1 Pc.	POLARIS H diamond grinding disc 15 µm
95015039	1 Pc.	POLARIS H diamond grinding disc 6 µm
95015040	1 Pc.	POLARIS H diamond grinding disc 3 µm

Notes

Qprep QUASAR diamond grinding disc

QPREP Quasar is a grinding disc on a zinc-plated metal carrier for planar- and pre grinding of hard materials. The back of the product is coated with a high-quality non-slip print. The grinding disc is equipped with diamonds bonded in hard epoxy resin. The functional back print provides secure adhesion to the magnetic foil.



PRODUCT ADVANTAGES

- | High stock removal
- | Particularly high planarity with high surface quality
- | Very long lifetime

RECOMMENDED APPLICATIONS

- | Hard ferrous materials
- | Nickel base-super alloys
- | Hard metals
- | Ceramics



Item No.	Unit	Description
QUASAR DIAMOND GRINDING DISCS		
Description		Grain Size
for hard materials		
• incl. dressing stone No. (95015076)		
• Fixation system: Magnetic foil		
250 mm Ø		
95015006	1 Pc.	QUASAR diamond grinding disc 252 µm
95015007	1 Pc.	QUASAR diamond grinding disc 125 µm
95015008	1 Pc.	QUASAR diamond grinding disc 91 µm
95015009	1 Pc.	QUASAR diamond grinding disc 46 µm
300 mm Ø		
95015031	1 Pc.	QUASAR diamond grinding disc 252 µm
95015032	1 Pc.	QUASAR diamond grinding disc 125 µm
95015033	1 Pc.	QUASAR diamond grinding disc 91 µm
95015034	1 Pc.	QUASAR diamond grinding disc 46 µm

Notes

Qprep VEGA diamond grinding disc

QPREP Vega is a grinding disc on a zinc-plated metal carrier for planar and pre-grinding of hard materials. On the back side the product is coated with a high-quality non-slip print. The grinding disc is equipped with diamonds bonded in nickel. The functional back print provides secure adhesion to the magnetic foil.



PRODUCT ADVANTAGES

- | High stock removal
- | Particularly high planarity
- | Very long lifetime

RECOMMENDED APPLICATIONS

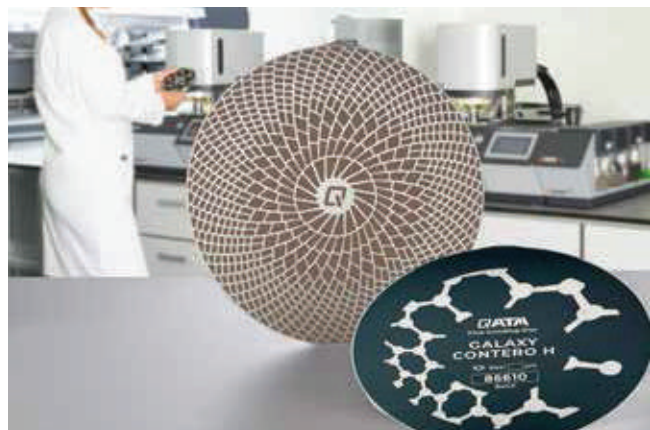
- | Hard ferrous materials
- | Composites
- | Ceramics
- | Rocks
- | Possible to grind unmounted samples
- | Especially recommended for manual preparations



Item No.	Unit	Description
VEGA DIAMOND GRINDING DISCS		
		Description
		Grain Size
for hard materials, for planar and pre-grinding		
• Fixation system: Magnetic foil		
200 mm Ø		
95015001	1 Pc.	VEGA diamond grinding disc 125 µm
95015002	1 Pc.	VEGA diamond grinding disc 75 µm
95015003	1 Pc.	VEGA diamond grinding disc 54 µm
95015004	1 Pc.	VEGA diamond grinding disc 25 µm
95015005	1 Pc.	VEGA diamond grinding disc 10 µm
250 mm Ø		
95015026	1 Pc.	VEGA diamond grinding disc 125 µm
95015027	1 Pc.	VEGA diamond grinding disc 75 µm
95015028	1 Pc.	VEGA diamond grinding disc 54 µm
95015029	1 Pc.	VEGA diamond grinding disc 25 µm
95015030	1 Pc.	VEGA diamond grinding disc 10 µm
300 mm Ø		
95015051	1 Pc.	VEGA diamond grinding disc 125 µm
95015052	1 Pc.	VEGA diamond grinding disc 75 µm
95015053	1 Pc.	VEGA diamond grinding disc 54 µm
95015054	1 Pc.	VEGA diamond grinding disc 25 µm
95015055	1 Pc.	VEGA diamond grinding disc 10 µm
350 mm Ø		
95016235	1 Pc.	VEGA diamond grinding disc 125 µm
95016236	1 Pc.	VEGA diamond grinding disc 75 µm
95016237	1 Pc.	VEGA diamond grinding disc 54 µm
95016238	1 Pc.	VEGA diamond grinding disc 25 µm
95016239	1 Pc.	VEGA diamond grinding disc 10 µm

Qprep CONTERO fine grinding discs

QPREP Contero S and H are a general purpose fine grinding discs with a specially arranged inflexible grinding surface. The grinding elements consist of a reinforced composite matrix and are mounted on a stainless metal carrier. During the fine grinding process, diamond suspension is regularly fed to the disc, in this way the diamonds partially are implant in the functional surface. This leads to high stock removal rates and creates very low-deformation sample surfaces, which can be polished easily and efficiently afterwards.



CONTERO S: PRODUCT ADVANTAGES

- | High stock removal rate and flatness
- | Long lifetime
- | High edge retention
- | Compatible with diamond suspensions from 6 to 15 µm grain size

RECOMMENDED APPLICATIONS

- | Ideal for soft to medium-hard materials with a hardness of < 300 HV
- | Composites with soft matrix
- | Edge examinations
- | Characterization of layer systems
- | High sample throughput

CONTERO H: PRODUCT ADVANTAGES

- | Maintenance-free and ready to use out of the box
- | High surface quality and homogeneous scratch pattern
- | High stock removal rate, flatness and edge retention
- | Long lifetime
- | Compatible with diamond suspensions from 6 to 15 µm grain size

RECOMMENDED APPLICATIONS

- | Ideal for medium-hard to hard materials with a hardness of 300 HV or more
- | Edge examinations
- | Characterization of hard coatings
- | Sintered Carbides
- | Cermets (ceramic composite with metal matrix)
- | High sample throughput



Item No.	Unit	Description
CONTERO S FINE GRINDING DISCS		
Description		Ø
for soft to medium-hard materials		
• Fixation system: Magnetic foil		
95013194	1 Pc.	Contero S fine grinding disc 250 mm
95013196	1 Pc.	Contero S fine grinding disc 300 mm

CONTERO H FINE GRINDING DISCS		
Description		Ø
for medium-hard to hard materials		
• Fixation system: Magnetic foil		
-	-	Contero H fine grinding disc 250 mm (will follow soon)
NEW 95017606	1 Pc.	Contero H fine grinding disc 300 mm



Item No.	Unit	Description
CLEANING BRUSHES		
Description		• for cleaning of grinding and fine grinding discs
95016623	1 Pc.	Nylon brush

Grinding papers and foils

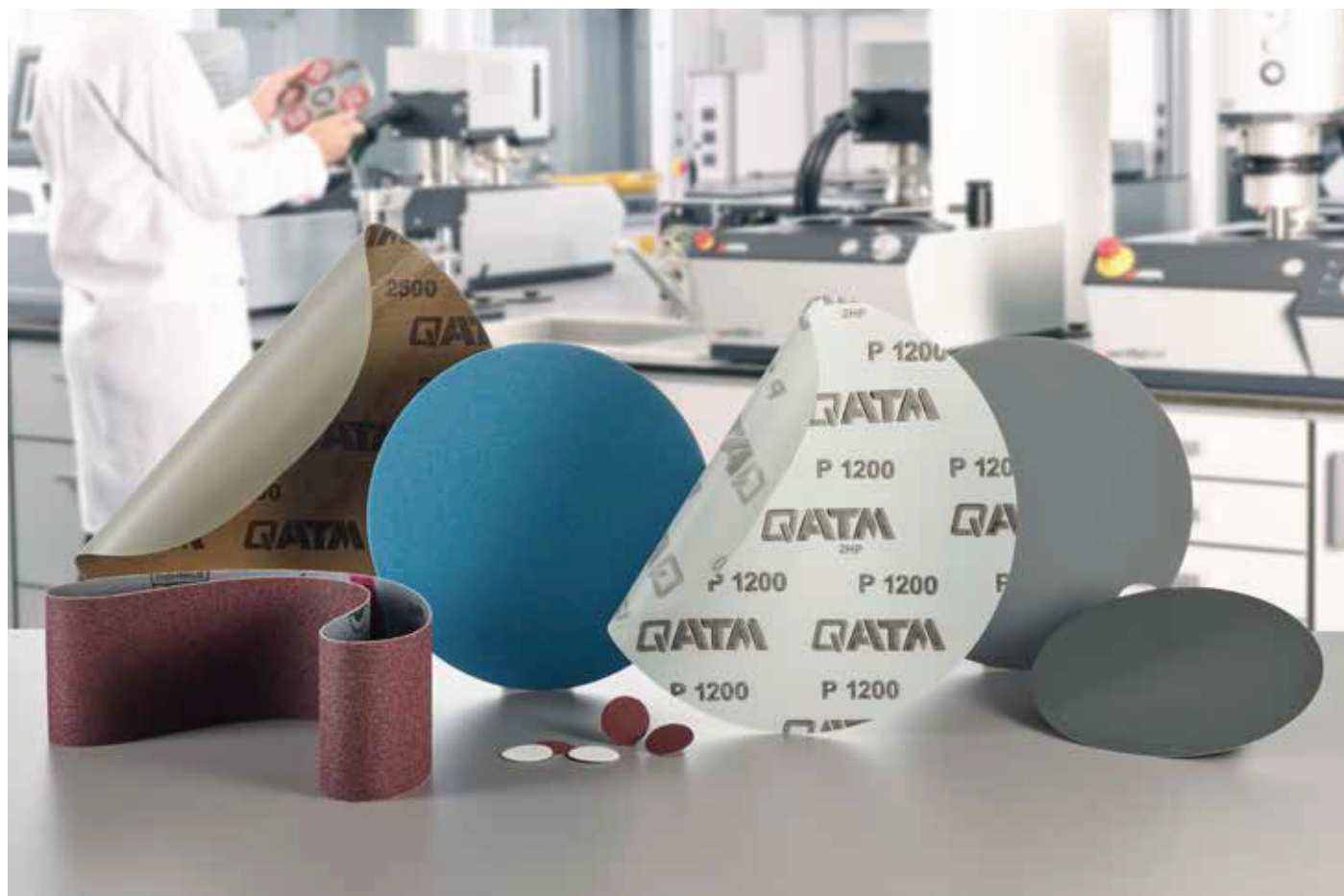
As an alternative to QPREP grinding discs, specimen preparation is also possible using QPREP grinding papers and foils. These differ in the type of carrier material and the possibility of the fixation systems to be used (double-sided adhesive carrier, GALAXY X-Tap, GALAXY Quick-Tap).

Grinding papers:

- I Foiled back, carrier material paper
- I Self-adhesive back, carrier material paper
- I Paper back, carrier material paper

Grinding foils:

- I Back foil, carrier material foil



Notes

FIXATION SYSTEM FOR GRINDING FOILS AND PAPERS WITH FOIL BACKING

Qprep Adhesive carrier disc

The QPREP adhesive carrier is characterized by a nano-surface, which ensured good adhesion and easy removal of the grinding medium.

**PRODUCT ADVANTAGES**

- | No glue backing, therefore no glue residues
- | Good adhesion to work disc as well as good adhesion to grinding paper and grinding foil
- | Easy removal and repositioning of grinding paper and grinding foil
- | Double sided permanent adhesive and reusable

RECOMMENDED APPLICATIONS

- | For direct application to the working disc
- | For use with grinding paper and grinding foil

Item No.	Unit	Description
ADHESIVE CARRIER DISCS, DOUBLE-SIDED		
Ø		
95003607	1 Pc.	250 mm
95003608	1 Pc.	300 mm
95014566	1 Pc.	350 mm

before initial use please remove protective foil on both sides



Applying the adhesive carrier disc



Placing e.g. a grinding paper with foil backing on the adhesive carrier disc

Notes

Qprep Silicon carbide grinding foils

QPREP silicon carbide grinding foils can be used individually and are ideally suited for a wide range of varied materials. They offer a high degree of flexibility, especially for frequently changing material variants. Furthermore, the foils are ideally suited for the "Vakujet" vacuum fixation in the QATM automatic grinding and polishing machine Qpol 300 Bot. QPREP silicon carbide grinding foils are available in diameters of 250 and 300 mm and in 8 different grain sizes.



PRODUCT ADVANTAGES

- | Suitable for vacuum fixation
- | Particularly high planarity
- | No curling
- | Tear and water resistant, so weakening during the grinding process can be excluded
- | Low resilience
- | Multiple uses possible in connection with QPREP adhesive carrier disc

RECOMMENDED APPLICATIONS

- | All-purpose usage
- | Suitable for planar, pre- and fine grinding steps due to different grain sizes

Item No.	Unit	Description
SILICON CARBIDE GRINDING FOILS		
Grain FEPA standard		
• Fixation system: Adhesive carrier disc		
250 mm Ø		
92008557	100 Pcs.	SiC grinding foil P120
92008558	100 Pcs.	SiC grinding foil P180
95000899	100 Pcs.	SiC grinding foil P240
92006305	100 Pcs.	SiC grinding foil P320
92006304	100 Pcs.	SiC grinding foil P600
95000900	100 Pcs.	SiC grinding foil P800
92008559	100 Pcs.	SiC grinding foil P1200
92008639	100 Pcs.	SiC grinding foil P2500
300 mm Ø		
92008561	100 Pcs.	SiC grinding foil P120
92008658	100 Pcs.	SiC grinding foil P180
95000902	100 Pcs.	SiC grinding foil P240
92006303	100 Pcs.	SiC grinding foil P320
92006302	100 Pcs.	SiC grinding foil P600
95000903	100 Pcs.	SiC grinding foil P800
92008562	100 Pcs.	SiC grinding foil P1200
92008621	100 Pcs.	SiC grinding foil P2500



Notes

Qprep Silicon carbide grinding paper with foil backing

Silicon carbide grinding paper with foil backing can be used individually and are ideally suited for a wide range of varied materials. They offer a high degree of flexibility, especially for frequently changing material variants. Furthermore, the foiled paper enables the use of the "Vakujet" vacuum fixation in the QATM automatic grinding and polishing machine Qpol 300 Bot. QPREP silicon carbide grinding paper with foil backing is available in diameters of 200 / 250 / 300 / and 350 mm and in 12 different grain sizes.



PRODUCT ADVANTAGES

- ▮ Suitable for vacuum fixation
- ▮ Directionally oriented applied abrasive grains with homogeneous distribution for a high cutting effect and efficient material removal
- ▮ Ideally suited for the QPREP adhesive carrier disc
- ▮ 12 grain sizes for a wide range of applications

RECOMMENDED APPLICATIONS

- ▮ All-purpose usage
- ▮ Suitable for planar, pre- and fine grinding steps due to different grain sizes

Item No.	Unit	Description
SILICON CARBIDE GRINDING PAPER WITH FOIL BACKING		
Grain FEPA standard		
• Fixation system: Adhesive carrier disc		
200 mm Ø		
95011898	100 Pcs.	SiC grinding paper with foil backing P80
95011899	100 Pcs.	SiC grinding paper with foil backing P120
95011900	100 Pcs.	SiC grinding paper with foil backing P180
95011901	100 Pcs.	SiC grinding paper with foil backing P240
95011902	100 Pcs.	SiC grinding paper with foil backing P320
95011903	100 Pcs.	SiC grinding paper with foil backing P400
95011904	100 Pcs.	SiC grinding paper with foil backing P500
95011905	100 Pcs.	SiC grinding paper with foil backing P600
95011906	100 Pcs.	SiC grinding paper with foil backing P800
95011907	100 Pcs.	SiC grinding paper with foil backing P1000
95011908	100 Pcs.	SiC grinding paper with foil backing P1200
95011909	100 Pcs.	SiC grinding paper with foil backing P2500
250 mm Ø		
95011928	100 Pcs.	SiC grinding paper with foil backing P80
95011929	100 Pcs.	SiC grinding paper with foil backing P120
95011930	100 Pcs.	SiC grinding paper with foil backing P180
95011931	100 Pcs.	SiC grinding paper with foil backing P240
95011932	100 Pcs.	SiC grinding paper with foil backing P320
95011933	100 Pcs.	SiC grinding paper with foil backing P400
95011934	100 Pcs.	SiC grinding paper with foil backing P500
95011935	100 Pcs.	SiC grinding paper with foil backing P600
95011936	100 Pcs.	SiC grinding paper with foil backing P800
95011937	100 Pcs.	SiC grinding paper with foil backing P1000
95011938	100 Pcs.	SiC grinding paper with foil backing P1200
95011939	100 Pcs.	SiC grinding paper with foil backing P2500



FIXATION SYSTEM FOR SELF-ADHESIVE GRINDING PAPER

Qprep GALAXY X-Tap

The QPREP GALAXY X-Tap is ideally suited for fast and residue-free attachment of self-adhesive grinding papers and polishing cloths. This special attachment system offers minimal impact elasticity and can be applied as QPREP GALAXY X-Tap with metal backing plate to the QPREP magnetic foil.



PRODUCT ADVANTAGES

- | Quick change of self-adhesive grinding paper or self-adhesive polishing cloths without adhesive residues
- | Low resilience, due to the thin and solid structure of the QPREP GALAXY X-Tap
- | Easier cleaning compared to adhesive carrier disc

RECOMMENDED APPLICATIONS

- | Preparations with high edge sharpness
- | Carrier plate for self-adhesive grinding paper and self-adhesive polishing cloths

Item No.	Unit	Description
GALAXY X-TAP		
		Ø



GALAXY X-Tap (for using with magnetic foil)		
95017019	1 Pc.	200 mm
95017020	1 Pc.	250 mm
95017021	1 Pc.	300 mm
95017022	1 Pc.	350 mm



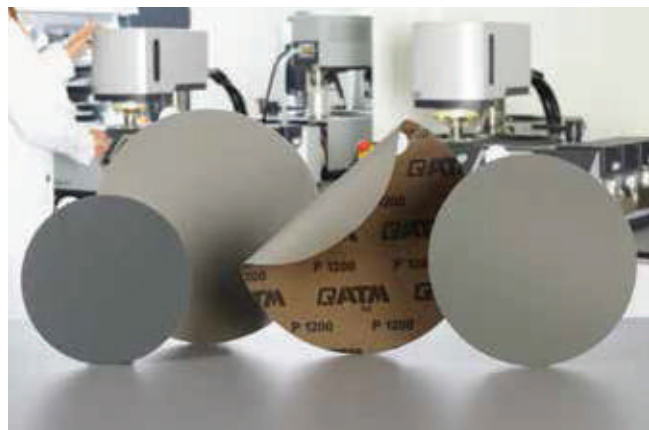
Applying GALAXY X-Tap on magnetic foil



Placing e.g. self-adhesive grinding paper on GALAXY X-Tap

Qprep Silicon carbide grinding papers, self-adhesive

Self-adhesive QPREP silicon carbide grinding papers can be used individually and are ideally suited for a wide range of varied materials. They offer a high degree of flexibility, especially for frequently changing material variants. The use of the QPREP GALAXY X-Tap fixation system allows efficient and non-residual changing of the grinding paper between the different grinding stages. Self-adhesive QPREP silicon carbide grinding paper is available in diameters of 200 / 250 / and 300 mm and in 13 different grain sizes.



PRODUCT ADVANTAGES

- Directionally oriented applied abrasive grains with homogeneous distribution for a high cutting effect and efficient material removal
- Very high adhesion on the fixation system
- Low resilience in conjunction with QPREP GALAXY X-Tap

RECOMMENDED APPLICATIONS

- All-purpose usage
- Suitable for planar, pre- and fine grinding steps due to different grain sizes

Item No.	Unit	Description
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SILICON CARBIDE GRINDING PAPERS, SELF-ADHESIVE

Grain FEPA standard

• Fixation system: GALAXY X-Tap

200 mm Ø

92002544	100 Pcs.	SiC grinding paper	P80
92002545	100 Pcs.	SiC grinding paper	P120
92002546	100 Pcs.	SiC grinding paper	P180
92002547	100 Pcs.	SiC grinding paper	P240
92002548	100 Pcs.	SiC grinding paper	P320
92002549	100 Pcs.	SiC grinding paper	P400
92004516	100 Pcs.	SiC grinding paper	P600
92002550	100 Pcs.	SiC grinding paper	P800
92002551	100 Pcs.	SiC grinding paper	P1000
92002638	100 Pcs.	SiC grinding paper	P1200
92002761	100 Pcs.	SiC grinding paper	2400*
92004561	100 Pcs.	SiC grinding paper	P2500
92002762	100 Pcs.	SiC grinding paper	4000*

*slurry coated, for a finer surface finish

250 mm Ø

92001643	100 Pcs.	SiC grinding paper	P80
92001644	100 Pcs.	SiC grinding paper	P120
92001645	100 Pcs.	SiC grinding paper	P180
92004953	100 Pcs.	SiC grinding paper	P240
92001647	100 Pcs.	SiC grinding paper	P320
92001648	100 Pcs.	SiC grinding paper	P400
92001649	100 Pcs.	SiC grinding paper	P600
92001650	100 Pcs.	SiC grinding paper	P800
92001651	100 Pcs.	SiC grinding paper	P1000
92001652	100 Pcs.	SiC grinding paper	P1200
92002763	100 Pcs.	SiC grinding paper	2400*
92004563	100 Pcs.	SiC grinding paper	P2500
92002764	100 Pcs.	SiC grinding paper	4000*

*slurry coated, for a finer surface finish



Item No.	Unit	Description
SILICON CARBIDE GRINDING PAPERS, SELF-ADHESIVE		
Grain FEPA standard		
• Fixation system: GALAXY X-Tap		
300 mm Ø		
92001654	100 Pcs.	SiC grinding paper P80
92001655	100 Pcs.	SiC grinding paper P120
92001657	100 Pcs.	SiC grinding paper P180
92001658	100 Pcs.	SiC grinding paper P240
92001659	100 Pcs.	SiC grinding paper P320
92001660	100 Pcs.	SiC grinding paper P400
92001661	100 Pcs.	SiC grinding paper P600
92001662	100 Pcs.	SiC grinding paper P800
92001663	100 Pcs.	SiC grinding paper P1000
92001664	100 Pcs.	SiC grinding paper P1200
92002765	100 Pcs.	SiC grinding paper 2400*
92004564	100 Pcs.	SiC grinding paper P2500
92002766	100 Pcs.	SiC grinding paper 4000*

*slurry coated, for a finer surface finish

Qprep Zirconia alumina grinding papers, self-adhesive

QPREP Zirconia alumina grinding papers are high-performance grinding papers with a long lifetime for planar and pre-grinding. The zirconia alumina grain used constantly releases new cutting surfaces during the grinding process and enables efficient stock removal even at high contact forces. The grinding paper is free of silicon carbide and is therefore also suitable for sample preparation for



optical emission spectrometry (spectral analysis OES). QPREP zirconia alumina grinding paper is available in diameters of 200 / 250 / and 300 mm and in 3 different pre-grinding grit sizes.

PRODUCT ADVANTAGES

- Long lifetime
- Very high stock removal
- Low resilience in conjunction with QPREP GALAXY X-Tap

RECOMMENDED APPLICATIONS

- Planar and pre-grinding of larger specimen cross-sections
- Sample preparation for spectral analysis

Item No.	Unit	Description
ZIRCONIA ALUMINA GRINDING PAPERS, SELF-ADHESIVE		
Grain FEPA standard		
• Fixation system: GALAXY X-Tap		
200 mm Ø		
92002374	25 Pcs.	Zirconia alumina grinding paper P60
92002376	25 Pcs.	Zirconia alumina grinding paper P180
250 mm Ø		
92002382	25 Pcs.	Zirconia alumina grinding paper P60
92002383	25 Pcs.	Zirconia alumina grinding paper P120
92002384	25 Pcs.	Zirconia alumina grinding paper P180
300 mm Ø		
92002386	25 Pcs.	Zirconia alumina grinding paper P60
92002387	25 Pcs.	Zirconia alumina grinding paper P120
92002388	25 Pcs.	Zirconia alumina grinding paper P180

FIXATION SYSTEM FOR SILICON GRINDING PAPERS WITHOUT ADHESIVE/FOIL BACKING

Qprep GALAXY Quick-Tap

The reusable fast and time saving fixation system for plain backed grinding paper. As an alternative to the clamping ring and adhesive film, the innovative QPREP GALAXY Quick-Tap is ideally suited for fixing grinding paper without adhesive/foil backing. Designed to be reusable, the thin layer of our new innovative fixation system resists high shear forces and ensures that the plain backed paper adheres securely to the GALAXY Quick-Tap. Like all new Galaxy products, the Quick-Tap features the Qprep Antislip backside for secure retention of the Qprep magnetic film.



PRODUCT ADVANTAGES

- | Optimized adhesion
- | Low impact elasticity
- | Reduction of pencil effect and edge rounding
- | Possibility to position the specimen holder beyond the edge of the grinding paper during semi-automatic and automatic specimen preparation
- | Sustainable and resource-saving compared to using grinding paper with adhesive/foil backing
- | Allows hundreds of paper changes

RECOMMENDED APPLICATIONS

- | For use with grinding paper without adhesive/foil backing
- | Quick and easy as well as repeated fixation of grinding paper
- | For direct attachment to QPREP magnetic foil

Item No.	Unit	Description
GALAXY QUICK-TAP		
Ø		
GALAXY Quick-Tap (for using with magnetic foil)		
NEW 95017587	1 Pc.	200 mm
NEW 95017484	1 Pc.	250 mm
NEW 95017485	1 Pc.	300 mm



Applying GALAXY Quick-Tap on magnetic foil



Placing e.g. grinding paper without adhesive/foil backing on GALAXY Quick-Tap

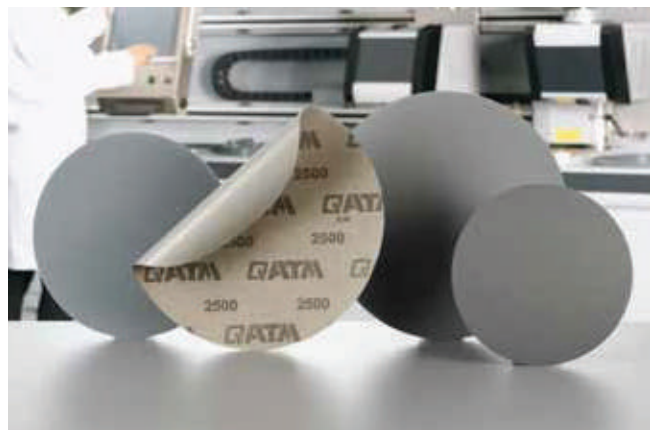
Qnote

on the GALAXY Quick-Tap: Dust and abrasion on the surface of the GALAXY Quick-Tap can reduce the adhesive strength and life of your GALAXY Quick-Tap. We recommend cleaning the adhesive layer with warm water and a few drops of detergent after approximately 100 paper changes. After cleaning, the Quick Tap will regain its original adhesive strength. To permanently protect the surface of the Quick Tap from dust, simply apply fresh, unused abrasive paper after use. This ensures safe, dust-free storage and the GALAXY Quick-Tap is immediately ready for use.



Qprep Silicon carbide grinding papers without adhesive/foil backing

QPREP silicon carbide grinding papers without adhesive/foil backing can be used individually and are ideally suited for a wide range of varied materials. They offer a high degree of flexibility, especially for frequently changing material variants. The grinding paper without adhesive/foil backing can be fixed directly with the QPREP Quick Tap (to the work disc or magnetic foil) or with the QPREP clamping ring to the work disc. Both ensure low resilience during the grinding process. QPREP silicon carbide grinding paper without adhesive/foil backing is available in diameters of 200 / 230 / 250 and 300 mm and in 15 different grain sizes.



PRODUCT ADVANTAGES

- Directionally oriented applied abrasive grains with homogeneous distribution for a high cutting effect and efficient material removal
- Low resilience

RECOMMENDED APPLICATIONS

- All-purpose usage
- Suitable for planar, pre- and fine grinding steps due to different grain sizes

Item No.	Unit	Description
SILICON CARBIDE GRINDING PAPERS WITHOUT ADHESIVE/FOIL BACKING		
Grain FEPA standard		
• Fixation system: GALAXY Quick-Tap or clamping ring		
200 mm Ø		
92001811	100 Pcs.	SiC grinding paper, plain backed P80
92001812	100 Pcs.	SiC grinding paper, plain backed P120
92001813	100 Pcs.	SiC grinding paper, plain backed P180
92001814	100 Pcs.	SiC grinding paper, plain backed P240
92001815	100 Pcs.	SiC grinding paper, plain backed P320
92001816	100 Pcs.	SiC grinding paper, plain backed P400
92001817	100 Pcs.	SiC grinding paper, plain backed P500
92001818	100 Pcs.	SiC grinding paper, plain backed P600
92001819	100 Pcs.	SiC grinding paper, plain backed P800
92001820	100 Pcs.	SiC grinding paper, plain backed P1000
92001821	100 Pcs.	SiC grinding paper, plain backed P1200
92002634	100 Pcs.	SiC grinding paper, plain backed 2400*
92004557	100 Pcs.	SiC grinding paper, plain backed P2500
92002640	100 Pcs.	SiC grinding paper, plain backed 4000*

*slurry coated, for a finer surface finish





Item No.	Unit	Description
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SILICON CARBIDE GRINDING PAPERS WITHOUT ADHESIVE/FOIL BACKING

Grain FEPA standard

- Fixation system: GALAXY Quick-Tap or clamping ring

230 mm Ø

92001568	100 Pcs.	SiC grinding paper, plain backed	P80
92001569	100 Pcs.	SiC grinding paper, plain backed	P120
92001570	100 Pcs.	SiC grinding paper, plain backed	P180
92001571	100 Pcs.	SiC grinding paper, plain backed	P240
92001572	100 Pcs.	SiC grinding paper, plain backed	P320
92001573	100 Pcs.	SiC grinding paper, plain backed	P400
92001574	100 Pcs.	SiC grinding paper, plain backed	P500
92001575	100 Pcs.	SiC grinding paper, plain backed	P600
92001576	100 Pcs.	SiC grinding paper, plain backed	P800
92001577	100 Pcs.	SiC grinding paper, plain backed	P1000
92001578	100 Pcs.	SiC grinding paper, plain backed	P1200
92004558	100 Pcs.	SiC grinding paper, plain backed	P2500
92001579	100 Pcs.	SiC grinding paper, plain backed	4000*

*slurry coated, for a finer surface finish

250 mm Ø

92001581	100 Pcs.	SiC grinding paper, plain backed	P80
92001582	100 Pcs.	SiC grinding paper, plain backed	P120
92001583	100 Pcs.	SiC grinding paper, plain backed	P180
92002369	100 Pcs.	SiC grinding paper, plain backed	P240
92001585	100 Pcs.	SiC grinding paper, plain backed	P320
92001586	100 Pcs.	SiC grinding paper, plain backed	P400
92001587	100 Pcs.	SiC grinding paper, plain backed	P500
92001588	100 Pcs.	SiC grinding paper, plain backed	P600
92001589	100 Pcs.	SiC grinding paper, plain backed	P800
92001590	100 Pcs.	SiC grinding paper, plain backed	P1000
92001591	100 Pcs.	SiC grinding paper, plain backed	P1200
92002636	100 Pcs.	SiC grinding paper, plain backed	2400*
92004559	100 Pcs.	SiC grinding paper, plain backed	P2500
92001592	100 Pcs.	SiC grinding paper, plain backed	4000*

*slurry coated, for a finer surface finish

300 mm Ø

92001593	100 Pcs.	SiC grinding paper, plain backed	P60
92001594	100 Pcs.	SiC grinding paper, plain backed	P80
92001595	100 Pcs.	SiC grinding paper, plain backed	P120
92001596	100 Pcs.	SiC grinding paper, plain backed	P180
92001597	100 Pcs.	SiC grinding paper, plain backed	P240
92001598	100 Pcs.	SiC grinding paper, plain backed	P320
92001599	100 Pcs.	SiC grinding paper, plain backed	P400
92001600	100 Pcs.	SiC grinding paper, plain backed	P500
92001601	100 Pcs.	SiC grinding paper, plain backed	P600
92001602	100 Pcs.	SiC grinding paper, plain backed	P800
92001603	100 Pcs.	SiC grinding paper, plain backed	P1000
92001604	100 Pcs.	SiC grinding paper, plain backed	P1200
92002637	100 Pcs.	SiC grinding paper, plain backed	2400*
92004560	100 Pcs.	SiC grinding paper, plain backed	P2500
92002154	100 Pcs.	SiC grinding paper, plain backed	4000*

*slurry coated, for a finer surface finish

Qprep Grinding papers for Qpol 30

QPREP grinding papers for mobile grinding and polishing equipment are mainly used in mobile materialography rugged field conditions and are available as alumina grinding papers with a Velcro fastener on the back or as silicon carbide grinding papers with an adhesive backing. Both fasteners enable efficient changing of the sandpaper even under rugged field conditions.



PRODUCT ADVANTAGES

- | Targeted grinding of smallest areas without influencing surrounding sample areas
- | Easy change of grinding paper

RECOMMENDED APPLICATIONS

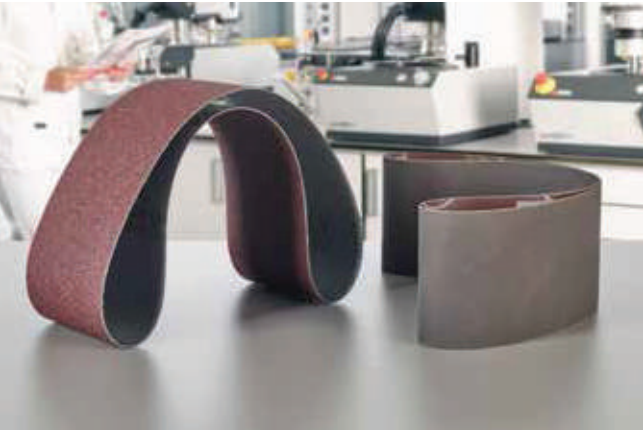
- | Mobile component-materialography
- | Deburring samples of complex geometries

Item No.	Unit	Description	
		GRINDING PAPERS FOR MOBILE GRINDER AND POLISHER QPOL 30	
		Ø Grain FEPA standard	
		Corundum grinding papers with hook-and-loop fastener backing	
92004285	100 Pcs.	30 mm	P60
92004286	100 Pcs.	30 mm	P180
92004288	100 Pcs.	30 mm	P240
92004287	100 Pcs.	30 mm	P320
		Silicon grinding papers with adhesive backing	
92004498	100 Pcs.	30 mm	P400
92004499	100 Pcs.	30 mm	P600
92004631	100 Pcs.	30 mm	P1000
		Self-adhesive polishing cloths: view chapter polishing	

Notes

Qprep Grinding belts for Qgrind 100

QPREP grinding belts can be used very well for manual pre-grinding and deburring. They are waterproof and very robust for wet grinding with the Qgrind 100.



PRODUCT ADVANTAGES

- | Waterproof
- | High robustness
- | High stock removal

RECOMMENDED APPLICATIONS

- | Pre-grinding and deburring
- | Preparations for macro etching for weld testing

Item No.	Unit	Description	
		GRINDING BELTS FOR QGRIND 100	
		Dimensions	Grain FEPA standard
Aluminum oxide grinding belts, water resistant			
92002528	5 Pcs.	100 x 920 mm	P80
92002529	5 Pcs.	100 x 920 mm	P120
92002530	5 Pcs.	100 x 920 mm	P180
92002531	5 Pcs.	100 x 920 mm	P240
92004505	5 Pcs.	100 x 920 mm	P320
Silicon carbide grinding belts, water-resistant			
92002664	5 Pcs.	100 x 915 mm	P80
92002665	5 Pcs.	100 x 915 mm	P120
92002666	5 Pcs.	100 x 915 mm	P180
92002667	5 Pcs.	100 x 915 mm	P240
92004613	5 Pcs.	100 x 915 mm	P320
92002394	5 Pcs.	100 x 915 mm	P400

Notes



Consumables for polishing



Polishing

The polishing of the materialographic specimen serves, similar like grinding and after the grinding step, to remove the deformation introduced into the material. For this purpose, the unbound abrasive/grain is applied to special polishing cloths in gradually finer grain sizes. A distinction is made between three polishing processes with different polishing media:



A wide range of QPREP polishing media, lubricants and polishing cloths is available for this purpose.

Diamond Suspension

QPREP diamond suspensions are the polishing product of choice for materialographic preparations. The range of different chemical bases (water, alcohol, or oil) allows scratch-free polishing, depending on the application.

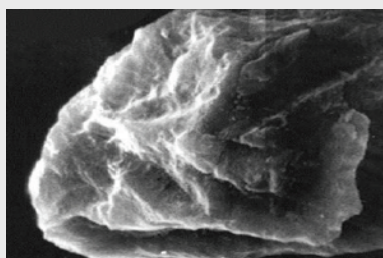
QPREP diamond suspensions are characterized by

- ! **A narrow tolerance grain size distribution for a uniform scratch pattern.**
- ! **The optimized diamond concentration for high removal rate and time-saving polishing.**
- ! **Suitable for use with all materials.**

The abrasive used is (industrial) diamond, which is divided into monocrystalline and polycrystalline, since different levels of material removal rate are achieved.

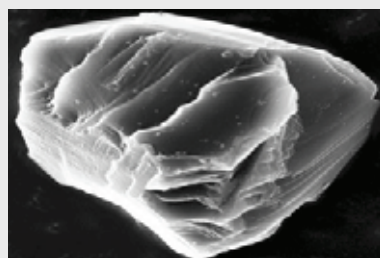
Polycrystalline (industrial) diamonds:

It consists of a multi-crystal, which breaks into smaller components when used, thus repeatedly creating new cutting edges (self-sharpening effect). This results in a high material removal rate and time-optimized polishing results.



Monocrystalline (industrial) diamonds:

It consists of a single crystal that breaks into small slices like a block when used. There is no self-sharpening effect as with polycrystalline diamonds. Due to this, a more material-friendly but also more time-consuming removal rate is achieved during polishing.



QPREP diamond suspensions are used in combination with a lubricant based on water, alcohol, or oil. The right mixing ratio between suspension and lubricant must be observed to achieve correct polishing results. Alternatively, QATM offers the QPREP DIA-Complete All-In-One diamond suspension. It contains the lubricant in an optimized ratio, which eliminates the need for manual dosing and mixing of suspension and lubricant.

Qprep DIA-COMPLETE Poly

QPREP DIA-Complete Poly (polycrystalline) is an all-in-one diamond suspension that is used for a wide range of materials.



PRODUCT ADVANTAGES

- | High material removal rate
- | Easy handling
- | Optimally adjusted ratio of suspension and lubricant
- | Process reliable and repeatable polishing results
- | Water based (eco-friendly)
- | Closely tolerated grain size

RECOMMENDED APPLICATIONS

- | All Material besides water-sensitiv materials
- | Soft to hard materials
- | Manual as well as semi and fully automatic preparation

Item No.	Unit	Description
DIA-COMPLETE POLY, ALL-IN-ONE DIAMOND SUSPENSION		
Grain Size		
Combined product of diamond suspension and lubricant		
95011833	500 ml	0.25 µm
95011839	1 l	0.25 µm
95011845	2.5 l	0.25 µm
95016023	5 l	0.25 µm
95011834	500 ml	1 µm
95011840	1 l	1 µm
95011846	2.5 l	1 µm
95015394	5 l	1 µm
95011835	500 ml	3 µm
95011841	1 l	3 µm
95011847	2.5 l	3 µm
95015395	5 l	3 µm
95011836	500 ml	6 µm
95011842	1 l	6 µm
95011848	2.5 l	6 µm
95015396	5 l	6 µm
95011837	500 ml	9 µm
95011843	1 l	9 µm
95011849	2.5 l	9 µm
95015397	5 l	9 µm
95011844	1 l	15 µm

Qprep DIA-COMPLETE Mono

QPREP DIA-Complete Mono (monocrystalline) is an all-in-one diamond suspension that is used for a wide range of materials.



PRODUCT ADVANTAGES

- | Gentle material removal rate
- | Easy handling
- | Optimally adjusted ratio of suspension and lubricant
- | Process reliable and repeatable polishing results
- | Water based (eco-friendly)
- | Closely tolerated grain size

RECOMMENDED APPLICATIONS

- | All Material besides water-sensitiv materials
- | Soft to hard materials
- | Manual as well as semi and fully automatic preparation

Item No.	Unit	Description
DIA-COMPLETE MONO, ALL-IN-ONE DIAMOND SUSPENSION		
Grain Size		
Combined product of diamond suspension and lubricant		
95011815	500 ml	1 µm
95011820	1 l	1 µm
95011825	2.5 l	1 µm
95015404	5 l	1 µm
95011816	500 ml	3 µm
95011821	1 l	3 µm
95011826	2.5 l	3 µm
95015405	5 l	3 µm
95011817	500 ml	6 µm
95011822	1 l	6 µm
95011827	2.5 l	6 µm
95015406	5 l	6 µm
95011818	500 ml	9 µm
95011823	1 l	9 µm
95011828	2.5 l	9 µm
95015407	5 l	9 µm

Qprep Diamond suspension polycrystalline

QPREP diamond suspensions are characterized by the narrow tolerance grain size as well as the optimized concentration of polycrystalline diamonds.



PRODUCT ADVANTAGES

- | High material removal rate
- | Water based (eco-friendly)
- | Closely tolerated grain size

RECOMMENDED APPLICATIONS

- | All Material besides water-sensitiv materials
- | Soft to hard materials
- | For manual fine dosing with lubricant

Item No.	Unit	Description
DIAMOND SUSPENSION POLYCRYSTALLINE		
Grain Size		
92002353	250 ml	1 µm
95016017	500 ml	1 µm
92004798	1 l	1 µm
95002761	2.5 l	1 µm
95014519	5 l	1 µm
92002354	250 ml	3 µm
95016018	500 ml	3 µm
92004799	1 l	3 µm
95002762	2.5 l	3 µm
95014520	5 l	3 µm
92002355	250 ml	6 µm
95016019	500 ml	6 µm
92004800	1 l	6 µm
95002763	2.5 l	6 µm
95014521	5 l	6 µm
92002356	250 ml	9 µm
95016020	500 ml	9 µm
92004801	1 l	9 µm
95002764	2.5 l	9 µm
95014522	5 l	9 µm
95005738	1 l	15 µm

Qprep Diamond suspension monocrystalline

QPREP diamond suspensions are characterized by the narrow tolerance grain size as well as the optimized concentration of monocrystalline diamonds.



PRODUCT ADVANTAGES

- | Gentle material removal rate
- | Water based (eco-friendly)
- | Closely tolerated grain size

RECOMMENDED APPLICATIONS

- | All Material besides water-sensitiv materials
- | Soft to hard materials
- | For manual fine dosing with lubricant

Item No.	Unit	Description
DIAMOND SUSPENSION MONOCRYSTALLINE		
Grain Size		
1 µm		
92002346	250 ml	1 µm
95016012	500 ml	1 µm
92004791	1 l	1 µm
95002755	2.5 l	1 µm
95014514	5 l	1 µm
3 µm		
92002347	250 ml	3 µm
95016013	500 ml	3 µm
92004792	1 l	3 µm
95002756	2.5 l	3 µm
95014515	5 l	3 µm
6 µm		
92002348	250 ml	6 µm
95016014	500 ml	6 µm
92004793	1 l	6 µm
95002757	2.5 l	6 µm
95014516	5 l	6 µm
9 µm		
92002349	250 ml	9 µm
95016015	500 ml	9 µm
92004794	1 l	9 µm
95002758	2.5 l	9 µm
95014517	5 l	9 µm

Color code
diamond suspension
monocrystalline

Grain Size µm	Color
1 µm	Blue
3 µm	Green
6 µm	Yellow
9 µm	Red

Qprep Diamond suspension (alcohol-based / oil-based)

For polishing water-sensitive materials, QPREP diamond suspensions based on alcohol or oil are used. These have the same excellent polishing properties as the other diamond suspensions.



PRODUCT ADVANTAGES

- Anticorrosive
- High lubricity with ductile materials
- Closely tolerated grain size

RECOMMENDED APPLICATIONS

- All materials especially materials prone to corrosion
- Soft to hard materials
- For manual fine dosing with lubricant

Item No.	Unit	Description
DIAMOND SUSPENSION (ALCOHOL-BASED) POLYCRYSTALLINE		
Grain Size		
95003494	1 l	1 µm
95003495	1 l	3 µm
95003496	1 l	6 µm
95003497	1 l	9 µm
DIAMOND SUSPENSION (ALCOHOL-BASED) MONOCRYSTALLINE		
Grain Size		
95003490	1 l	1 µm
95003491	1 l	3 µm
95003492	1 l	6 µm
95003493	1 l	9 µm
DIAMOND SUSPENSION (OIL-BASED) POLYCRYSTALLINE		
Grain Size		
95002792	1 l	1 µm
95002793	1 l	3 µm
95002794	1 l	6 µm
95002795	1 l	9 µm

Qprep Spray nozzle

The QPREP Spray nozzle is suited for optimum fine dispersion of suspension and lubricant on the polishing cloth during manual polishing.



Item No.	Unit	Description
<div> <div>SPRAY NOZZLE</div> <div> Description <ul style="list-style-type: none"> • for diamond suspensions of all grain sizes • for 250 ml, 500 ml and 1 L bottles </div> </div>		
95016723	1 Pc.	Spray nozzle, hose length approx. 160 mm

Qprep Qdoser ONE dosing system for suspensions

The Qdoser ONE dosing system is an easy-to-use solution for manual or semi-automatic polishing processes. QATM's standard suspension and lubricant bottles can be quickly screwed on the dosing attachment. The dosing volume is closely and continuously controlled with an adjusting screw. The system can be applied with the Qdoser ONE holder to the polishing heads Qpol GO and ECO. If used with manual grinding/polishing machines, the Qdoser ONE stand with suction cups can be placed on the machines.

PRODUCT ADVANTAGES

- | Dosing attachment for standard and suspension bottles
- | Adjustable dosing volume
- | Can be freely positioned with stand
- | Can be screwed to polishing heads Opol GO and ECO



Item No.	Unit	Description
QDOSER ONE DOSING SYSTEM FOR SUSPENSIONS		
Description		
Z5631015	1 Pc.	Qdoser ONE basic module
Z5631014	1 Pc.	Qdoser ONE holder
Z5631016	1 Pc.	Qdoser ONE stand

Notes

Qprep Diamond spray and paste

As an alternative to the diamond suspension as a polishing product, QATM also offers QPREP diamond spray and diamond paste. These are particularly well suited for commissioning new polishing cloths. When using these, make sure that the QPREP lubricants are also used.



PRODUCT ADVANTAGES

- Diamonds attach better to the polishing cloth due to non-liquid carrier medium
- Closely tolerated grain size
- High stock removal rate

RECOMMENDED APPLICATIONS

- Commissioning of new polishing cloths for higher percentage of bonded diamonds on the polishing cloth

Item No.	Unit	Description
DIAMOND SPRAY POLYCRYSTALLINE		
Grain Size		
CFC-free		
95016025	200 ml	1 µm
95016026	200 ml	3 µm
95016027	200 ml	6 µm
95016028	200 ml	9 µm

DIAMOND PASTE POLYCRYSTALLINE		
Grain Size		
10 g syringe		
92002339	10 g	0.25 µm
92002340	10 g	1 µm
92002341	10 g	3 µm
92002342	10 g	6 µm
92002343	10 g	9 µm
92002344	10 g	15 µm

DIAMOND PASTE MONOCRYSTALLINE		
Grain Size		
10 g syringe		
92002333	10 g	1 µm
92002316	10 g	3 µm
92002335	10 g	6 µm
92002336	10 g	9 µm
92002337	10 g	15 µm

Qprep Diamond lubricants

QPREP lubricants (diamond lubricants) based on water, alcohol and oil are used with the polishing products mentioned above. The lubricant ensures even distribution of the polishing product on the polishing cloth. In addition, it also serves to cool the cloth and sample while polishing.



QPREP diamond lubricant yellow (water-based) is especially environmentally friendly and provides an even lubricating film on the polishing cloth.

QPREP diamond lubricant blue (alcohol-based) has a higher viscosity and surface tension. Due to this, the lubricant remains longer on the polishing cloth. This allows a more economical dosage.

QPREP diamond lubricant red (oil based) is an oil - water emulsion and due to its higher viscosity ensures a consistently stable lubricating film on the polishing cloth. Optimal for heat as well as water sensitive materials.

Item No.	Unit	Description
DIAMOND LUBRICANT		
	Color	Characteristics
• for manual dosing with diamond suspension		
92005509	1 l	Yellow - water-based - ecologically friendly
92004925	2.5 l	Yellow - water-based - ecologically friendly
92005510	5 l	Yellow - water-based - ecologically friendly
95016174	10 l	Yellow - water-based - ecologically friendly
95000901	1 l	Blue - alcohol-based - for water-free preparation
95000911	2.5 l	Blue - alcohol-based - for water-free preparation
95001194	5 l	Blue - alcohol-based - for water-free preparation
95001759	1 l	Red - oil-based - for water-free preparation
95001772	2.5 l	Red - oil-based - for water-free preparation
95001784	5 l	Red - oil-based - for water-free preparation
DIAMOND LUBRICATION CONCENTRATE		
	Color	Characteristics
• for manual dosing with diamond suspension		
95016362	1 l	Blue - for alcohol-based lubricant - for 10 L lubricant, mix with 9 parts of ethanol
ETHANOL		
• individually applicable for intensive cleaning		
95004662	1 l	Ethanol, 99% denatured
95004663	5 l	Ethanol, 99% denatured
95004664	10 l	Ethanol, 99% denatured

Qprep Fine polishing suspensions

QPREP fine polishing suspensions are the polishing products of choice for the most demanding polishing requirements. This involves chemical mechanical polishing using silicon dioxide or aluminum oxide.



PRODUCT ADVANTAGES

- ! Highest surface qualities
- ! Removal of all deformation with vibration polishing
- ! Polishing/removing scratches in the range of 0.1 µm to 0.05 µm

RECOMMENDED APPLICATIONS

- ! Detailed microstructure analysis
- ! Very soft or very hard and ductile materials

Item No.	Unit	Description			
FINE POLISHING SUSPENSIONS					
		Description	ph-value	Grain Size	
Fine polishing suspension (Al ₂ O ₃)					
• does not crystallize					
• for ferrous materials, polymers, composites, PCB, rocks and minerals					
92002534	1 l	Eposal	pH≈8.0	0.06 µm	
Colloidal silica					
• for polishing, also mixable with diluted etchant					
• for ferrous and non-ferrous materials, ceramics					
• especially for soft materials like Al,Cu,Ti and solder joints					
92002536	1 l	Eposil F	pH≈9.5	0.1 µm	
95013858	1 l	Eposil Non Dry	pH≈9.5	0.05 µm	(does not crystallize)
95013958	10 l	Eposil Non Dry	pH≈9.5	0.05 µm	(does not crystallize)
92002541	1 kg	Eposil M	pH≈9.5	0.06 µm	
Colloidal silica					
• for titanium, nickel, tin and its alloys					
95001206	1 kg	Eposil M11	pH≈11.0	0.06 µm	
Water-free fine polishing suspension					
• e.g. for magnesium, zinc					
95005033	1 kg	Etosil E	pH≈7.0	0.06 µm	
ALUMINA SUSPENSION, CALCINATED					
		Description	Grain Size		
Aqueous concentrate, to dilute, 3-5 part of dest. water					
92002533	1 l	Alumina suspension	0.3 µm		
92002532	1 l	Alumina suspension	0.6 µm		
92004950	1 l	Alumina suspension	1 µm		

Polishing cloths

The choice of the right polishing cloth is essential for a low-deformation and relief-free polish. The cloth material (silk, artificial silk, man-made fibers, wool fabric, felt, flocked or foamed synthetic fabrics) and the corresponding resilience are a crucial criterion in the selection of the polishing cloth. The possible fixation systems (GALAXY metal disc with magnetic foil or X-Tap) also differ.

Our GALAXY polishing cloths are now available with QPREP anti-slip backing! This allows GALAXY polishing cloths to resist high shear forces, even with high contact pressures and fully loaded sample holders, ensuring a stable polishing process every time.

At the beginning, **pre-polishing**, polishing cloths with a low resilience (hard cloth material) are selected, as these support the retention of edge sharpness. In comparison to the further polishing steps, a higher material removal is achieved during pre-polishing due to longer polishing times.

Polishing cloths with different resilience are used for **intermediate polishing**. The objective of the polish and the material to be polished are always the determining factors for the selection of a suitable polishing cloth.

Final polishing is performed on polishing cloths with a high resilience with short polishing times to avoid relief formation. Final polishing can either be done with diamond suspensions (3 µm - 0.5 µm) or, for the highest demands for analysis, by using fine polishing suspensions (oxide polish 0.1 µm - 0.05 µm) or (alumina 1 µm - 0.3 µm).

The selection of QPREP polishing cloths offers a suitable cloth for every polishing step, which, with the matching QPREP diamond suspension, ensures excellent polishing results.



FIXATION SYSTEM FOR GALAXY POLISHING CLOTHS

Qprep Magnetic foil for GALAXY polishing cloths

For low resilience during grinding (or polishing) as well as best adhesion and easy handling of the QPREP GALAXY grinding discs (or polishing cloths), the QPREP magnetic foil is perfectly suited.



PRODUCT ADVANTAGES

- Low resilience
- One time application on the working disc of the machine
- Long service life
- Different magnet. field strengths

RECOMMENDED APPLICATIONS

- For the use of all GALAXY grinding discs and polishing cloths
- Frequent change of grinding discs and polishing cloths

Item No.	Unit	Description
MAGNETIC FOIL, SELF-ADHESIVE		
Ø	thickness	
Magnetic foil, strong adhesion		
• to apply on working wheel		
95016345	1 Pc.	200 mm 1 mm
95016346	1 Pc.	250 mm 1 mm
95012161	1 Pc.	300 mm 1 mm
95014137	1 Pc.	350 mm 1 mm
Magnetic foil, strongest adhesion		
• to apply on working wheel		
• increased magnetic adhesion by higher material thickness		
95016300	1 Pc.	250 mm 2 mm
95016301	1 Pc.	300 mm 2 mm



Applying the magnetic foil



Placing e.g. a GALAXY polishing cloth on the magnetic foil

Qprep GALAXY polishing cloths

QPREP GALAXY polishing cloths with Qprep Anti-Slip backing offer the right cloth material for all materials and analysis purposes, with a secure grip on the magnetic foil every time.



PRODUCT ADVANTAGES

- | Faster application because there is no need to glue on the polishing cloth
- | Low resilience due to metallic carrier plate
- | Easier handling due to grip tabs on the carrier plate

RECOMMENDED APPLICATIONS

- | Process-reliable and reproducible polishing results
- | Use with GALAXY magnetic foil

Item No.	Unit	Description
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GALAXY POLISHING CLOTH WITH METAL BACK

Description Ø

GALAXY – ALPHA

- Suitable for pre-polishing
- Very hard, perforated chemical fiber cloth
- For ceramics, hard metal, steel, grey cast iron, aluminum
- High lifetime and stock removal
- For use with diamond grain size: 15/9 µm
- Fixation system: Magnetic foil

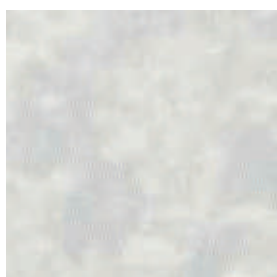
95001407	5 Pcs.	Alpha	200 mm
95001408	5 Pcs.	Alpha	250 mm
95001409	5 Pcs.	Alpha	300 mm
95013994	5 Pcs.	Alpha	350 mm



GALAXY – BETA

- Suitable for pre-polishing
- Hard synthetic cloth
- Materials with high hardness, steel, grey cast iron, hard metal, ceramics
- For use with diamond grain size: 15/9/6 µm
- Fixation system: Magnetic foil

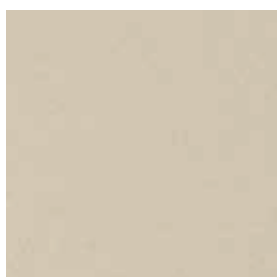
95001410	5 Pcs.	Beta	200 mm
95001411	5 Pcs.	Beta	250 mm
95001412	5 Pcs.	Beta	300 mm
95013995	5 Pcs.	Beta	350 mm



GALAXY – DELTA

- Suitable for pre- & intermediate polishing
- Medium hard silk cloth
- C-steels, precious metal, plastics [CFK, GFK], coatings, aluminum
- For use with diamond grain size: 9/6/3 µm
- Fixation system: Magnetic foil

95001413	5 Pcs.	Delta	200 mm
95001414	5 Pcs.	Delta	250 mm
95001415	5 Pcs.	Delta	300 mm
95013996	5 Pcs.	Delta	350 mm



Item No.	Unit	Description
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GALAXY POLISHING CLOTH WITH METAL BACK

Description Ø

GAMMA – Polishing cloth

- Suitable for pre- & intermediate polishing
- Medium hard silk cloth
- C-steels, precious metal, coatings, plastics [CFK, GFK],
- For use with diamond grain size: 9/6/3 µm
- Fixation system: Magnetic foil

NEW	95017588	5 Pcs.	Gamma	200 mm
NEW	95017589	5 Pcs.	Gamma	250 mm
NEW	95017590	5 Pcs.	Gamma	300 mm

GALAXY – PHI

- Suitable for pre-, intermediate-, and end polishing
- Medium hard chemical fiber cloth
- For iron, non – ferrous metals, minerals, ceramics, composite materials
- For use with diamond grain size: 9/6/3/1 µm
- Fixation system: Magnetic foil

95012740	5 Pcs.	Phi	250 mm
95012741	5 Pcs.	Phi	300 mm

GALAXY – SIGMA

- Suitable for intermediate and end polishing
- Soft wool cloth
- For all materials
- For use with diamond grain size: 6/3/1 µm
- Fixation system: Magnetic foil

95001416	5 Pcs.	Sigma	200 mm
95001417	5 Pcs.	Sigma	250 mm
95001418	5 Pcs.	Sigma	300 mm
95013997	5 Pcs.	Sigma	350 mm

GALAXY – ETA

- Suitable for end polishing
- Short flocked, medium hard synthetic cloth
- For all materials of medium and high hardness
- For use with diamond grain size: 3/1 µm
- Fixation system: Magnetic foil

95016833	5 Pcs.	Eta	250 mm
95016834	5 Pcs.	Eta	300 mm

GALAXY – IOTA

- Suitable for end polishing as well as fine polishing with fine polishing suspension
- Short flocked, soft synthetic cloth
- For all materials, especially hard materials
- For use with diamond grain size: 3/1 µm
- Suitable for oxide suspensions
- Fixation system: Magnetic foil

95001419	5 Pcs.	Iota	200 mm
95001420	5 Pcs.	Iota	250 mm
95001421	5 Pcs.	Iota	300 mm
95013998	5 Pcs.	Iota	350 mm

Item No.	Unit	Description
GALAXY POLISHING CLOTH WITH METAL BACK		
Description Ø		
GALAXY – ZETA		
<ul style="list-style-type: none">• Suitable for end polishing as well as fine polishing with fine polishing suspension• Short flocked, soft synthetic cloth• For all materials• For use with diamond grain size: 3/1 µm• Suitable for oxide suspensions as well as alumina• Fixation system: Magnetic foil		
95005776	5 Pcs.	Zeta 200 mm
95005777	5 Pcs.	Zeta 250 mm
95005778	5 Pcs.	Zeta 300 mm
95013999	5 Pcs.	Zeta 350 mm
GALAXY – OMEGA		
<ul style="list-style-type: none">• Suitable for fine polishing with fine polishing suspension• Soft synthetic cloth (chemical resistant)• For all materials• Suitable for oxide suspensions• Fixation system: Magnetic foil		
95005779	5 Pcs.	Omega 200 mm
95005780	5 Pcs.	Omega 250 mm
95005781	5 Pcs.	Omega 300 mm
GALAXY – LAMBDA		
<ul style="list-style-type: none">• Suitable for fine polishing with fine polishing suspension• Brushed, structured synthetic cloth (chemical resistant)• For all materials• Suitable for oxide suspensions as well as alumina• Fixation system: Magnetic foil		
95005782	5 Pcs.	Lambda 200 mm
95005783	5 Pcs.	Lambda 250 mm
95005784	5 Pcs.	Lambda 300 mm

Notes

FIXATION SYSTEM FOR SELF-ADHESIVE POLISHING CLOTHS

Qprep GALAXY X-Tap

The QPREP GALAXY X-Tap is ideally suited for fast and residue-free attachment of self-adhesive grinding papers and polishing cloths. This special attachment system offers minimal impact elasticity and can be applied as QPREP GALAXY X-Tap with metal backing plate to the QPREP magnetic foil.



PRODUCT ADVANTAGES

- | Quick change of self-adhesive grinding paper or self-adhesive polishing cloths without adhesive residues
- | Low resilience, due to the thin and solid structure of the QPREP GALAXY X-Tap
- | Easier cleaning compared to adhesive carrier disc

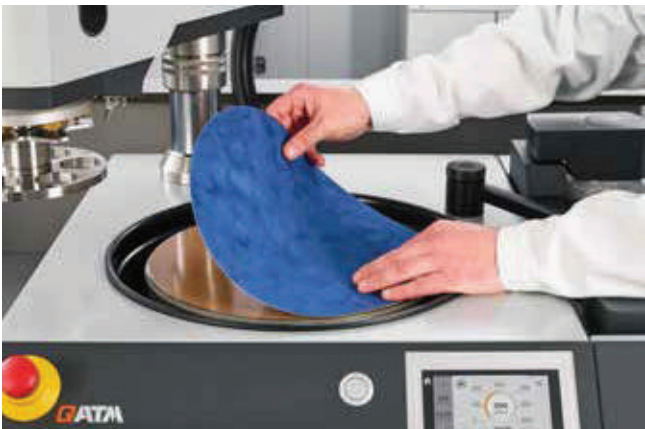
RECOMMENDED APPLICATIONS

- | Preparations with high edge sharpness
- | Carrier plate for self-adhesive grinding paper and self-adhesive polishing cloths

Item No.	Unit	Description
GALAXY X-TAP		
Ø		
GALAXY X-Tap (for using with magnetic foil)		
95017019	1 Pc.	200 mm
95017020	1 Pc.	250 mm
95017021	1 Pc.	300 mm
95017022	1 Pc.	350 mm



Applying GALAXY X-Tap on magnetic foil



Placing e.g. self-adhesive polishing cloth on GALAXY X-Tap

Qprep Polishing cloths, self-adhesive

QPREP polishing cloths offer the right cloth material for all materials and analysis purposes.



PRODUCT ADVANTAGES

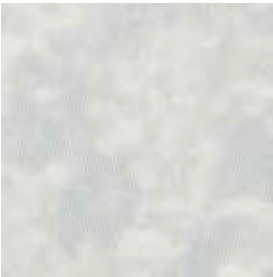
- Optimized adhesive backing ensures uniform fixing over the entire surface on the fixation system and realized no slipping or detachment of the polishing cloth

RECOMMENDED APPLICATIONS

- For use with GALAXY X-Tap system



Item No.	Unit	Description	
POLISHING CLOTHS, SELF-ADHESIVE			
Description Ø			
ALPHA – Polishing cloth <ul style="list-style-type: none">• Suitable for pre-polishing• Very hard, perforated chemical fiber cloth• For ceramics, hard metal, steel, grey cast iron, aluminum• High lifetime and stock removal• For use with diamond grain size: 15/9 µm• Fixation system: GALAXY X-Tap			
92002564	5 Pcs.	Alpha	250 mm
92002573	5 Pcs.	Alpha	300 mm



BETA – Polishing cloth <ul style="list-style-type: none">Suitable for pre-polishingHard synthetic clothMaterials with high hardness, steel, grey cast iron, hard metal, ceramicsFor use with diamond grain size: 15/9/6 µmFixation system: GALAXY X-Tap			
95006572	5 Pcs.	Beta	250 mm
95006573	5 Pcs.	Beta	300 mm



DELTA – Polishing cloth <ul style="list-style-type: none">Suitable for pre- & intermediate polishingMedium hard silk clothC-steels, precious metal, plastics [CFK, GFK], coatings, aluminumFor use with diamond grain size: 9/6/3 µmFixation system: GALAXY X-Tap			
92008802	5 Pcs.	Delta	250 mm
92008803	5 Pcs.	Delta	300 mm

Item No.	Unit	Description
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POLISHING CLOTHS, SELF-ADHESIVE

Description Ø

GAMMA – Polishing cloth

- Suitable for pre- & intermediate polishing
- Medium hard silk cloth
- C-steels, precious metal, coatings, plastics [CFK, GFK],
- For use with diamond grain size: 9/6/3 µm
- Fixation system: GALAXY X-Tap

92002558	5 Pcs.	Gamma	200 mm
92002567	5 Pcs.	Gamma	250 mm
92002576	5 Pcs.	Gamma	300 mm

SIGMA – Polishing cloth

- Suitable for pre- & intermediate polishing
- Soft wool cloth
- For all materials
- For use with diamond grain size: 6/3/1 µm
- Fixation system: GALAXY X-Tap

92008810	5 Pcs.	Sigma	200 mm
92008811	5 Pcs.	Sigma	250 mm
92008812	5 Pcs.	Sigma	300 mm

IOTA – Polishing cloth

- Suitable for end polishing as well as fine polishing with fine polishing suspension
- Short flocked, soft synthetic cloth
- for all materials, especially hard materials
- For use with diamond grain size: 3/1 µm
- Suitable for oxide suspensions
- Fixation system: GALAXY X-Tap

95002393	5 Pcs.	Iota	200 mm
95002394	5 Pcs.	Iota	250 mm
95002395	5 Pcs.	Iota	300 mm

ZETA – Polishing cloth

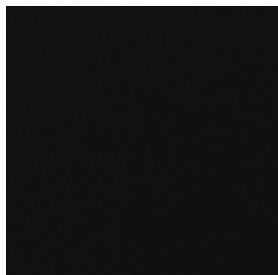
- Suitable for end polishing as well as fine polishing with fine polishing suspension
- Short flocked, soft synthetic cloth
- for all materials
- For use with diamond grain size: 3/1 µm
- Suitable for oxide suspensions as well as alumina
- Fixation system: GALAXY X-Tap

92005681	5 Pcs.	Zeta	200 mm
92005683	5 Pcs.	Zeta	250 mm
92005684	5 Pcs.	Zeta	300 mm

KAPPA – Polishing cloth

- Suitable for fine polishing with fine polishing suspension
- Soft polishing felt
- For all materials
- Suitable for alumina
- Fixation system: GALAXY X-Tap

92002572	5 Pcs.	Kappa	250 mm
92002581	5 Pcs.	Kappa	300 mm



Item No.	Unit	Description
POLISHING CLOTHS, SELF-ADHESIVE		
Description Ø		
OMEGA – Polishing cloth <ul style="list-style-type: none"> • Suitable for fine polishing with fine polishing suspension • Soft synthetic cloth (chemical resistant) • For all materials • Suitable for oxide suspensions • Fixation system: GALAXY X-Tap 		
92002562	5 Pcs.	Omega 200 mm
92002571	5 Pcs.	Omega 250 mm
92002580	5 Pcs.	Omega 300 mm
all polishing cloths also available for Qpol 30 (Ø 30 mm)		

all polishing cloths also available for Qpol 30 (Ø 30 mm)

NOTE: The Phi, Eta and Lambda polishing cloths are now only available in the GALAXY version!

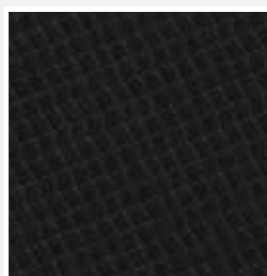


PHI – Polishing cloth

- Suitable for pre-, intermediate-, and end polishing
- Medium hard chemical fiber cloth
- For iron, non-ferrous metals, minerals, ceramics, composite materials
- For use with diamond grain size: 9/6/3/1 μm

ETA – Polishing cloth

- Suitable for end polishing
- Short flocked, medium hard synthetic cloth
- For all materials of medium and high hardness
- For use with diamond grain size: 3/1 μm



LAMBDA – Polishing cloth

- Suitable for fine polishing with fine polishing suspension
- Brushed, structured synthetic cloth (chemical resistant)
- For all materials
- Suitable for oxide suspensions as well as alumina

Notes

[illegible]

Qprep Media carrier plate

During preparation using the Qpol 250 BOT, the grinding wheels/papers and polishing cloths are placed on a media carrier plate specially designed for the machine. Can be equipped with QPREP magnetic foil for use with QPREP GALAXY media.



PRODUCT ADVANTAGES

- Quick exchange/selection of grinding papers / polishing cloths possible due to up to 16 stored media carrier plates
- Secure fixing of the media carrier plate by means of vacuum suction (Vakujet)

RECOMMENDED APPLICATIONS

- Fully automatic preparation using Qpol 250 BOT

Item No.	Unit	Description
MEDIA CARRIER PLATE		
		Ø
		• for grinding and polishing robot Qpol 250 BOT (SAPHIR X-Change)
95005867	1 Pc.	250 mm

Qprep Filter inserts

During grinding and polishing, various fine residual materials are produced. These originate from the sample (chips), the grinding wheel (wear/abrasion) as well as parts of the polishing media. To avoid entering of the wastewater system and the pumps these residuals have to be filtered. Suitable filter fleeces with the correct mesh sizes in the sedimentation tank prevents damage to the machines and ensure a safe process.

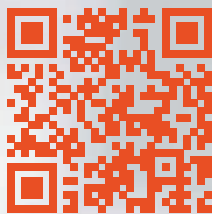


Item No.	Unit	Description
FILTER INSERTS		
		Dimensions
		Mesh size
Filter inserts for settling tank (until year of construction 2012)		
95017310	5 Pcs.	Fleece 290 x 150 x 190 mm 40 µm
95017311	5 Pcs.	Fleece 290 x 150 x 190 mm 60 µm
Filter inserts for settling tank (from year of construction 2013)		
95017312	5 Pcs.	Fleece 250 x 200 x 155 mm 60 µm
95017313	5 Pcs.	Fleece 250 x 200 x 155 mm 100 µm

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