

The greatest ideas
are often the simplest...



Reflex Fix Support

Neither adhesive nor magnetic: the new "Reflex Fix" support is revolutionary.

Adherence on the horizontal plane but none on the vertical plane.

"Reflex Fix" gives you unrivalled flexibility in use and significant waste reduction (ISO 14000).

...but simplicity is always a great idea!

NEW CONCEPT, the new revolutionary holding method facilitating polishing processes for most materials.

Thanks to "Reflex Fix" you will no longer need to use an adhesive or magnetic polishing support, meaning an end to laborious unsticking and waste due to magnetic systems.

Easy...and at no extra cost!

I Max

A new generation of diamond discs!

Prepare your samples in just a few easy steps.

Saves time and is easy to use. You make savings on consumables thanks to uniquely extended lifetime.

Available in 4 grain sizes: 18, 54, 75 and 125 μ , and 4 diameters: 200 mm, 250 mm, 300 mm and 400 mm. (see page 44)

Reflex Max

Grinding

New generation diamond disc for time-saving and use under water with long lifetime.

Available in 5 grain sizes: Reflex Max 80, 120, 220, 600 and 1200. Secured to Reflex Fix. (see page 44)

Reflex MED-B

Semi-finishing and finishing

Composite, high performance disc. Requires no resharpener or straightening.

Use with Reflex LDM or LDP suspension.

Reflex MED B – finishing with suspensions 9 to 6 μ .

Secured to Reflex Fix. (see page 45)

Reflex Pad

Finishing

Polishing cloths:

Use with Reflex LDM or LDP suspension. Secure to Reflex Fix.

(see pages 54 and 55)

Reflex LDM and LDP

Diamond suspensions

New diamond suspensions backed up by more than 48 years of experience.

Quality of the diamond, concentration, homogeneity and suspension media.

All these parameters have been optimised. No need to use lubricant.

Biodegradable suspensions (ISO 14000).

Six grain sizes: Reflex LDM and LDP from 1/4 to 15 μ . (see pages 58)

Reflex Cap

Special discs

Support allowing the use of polishing cloths or adhesive abrasive papers on Reflex Fix. (see pages 65 and 68)

Reflex Fix for Reflex system		
24030	Reflex Fix Support Ø 200 mm	
24031	Reflex Fix Support Ø 230 mm	
24032	Reflex Fix Support Ø 250 mm	
24033	Reflex Fix Support Ø 300 mm	
24034	Reflex Fix Support Ø 400 mm	

Pre-polishing

SiC, Al_2O_3 Abrasive papers, Zirconium, diamond discs resin bond, metallic bond: a unique choice!

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Reflex Max and MED-B	p. 45
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Special papers	p. 46
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I-Max

I-Max diamond discs have been developed to improve polishing time, to simplify processes for a better and easier use.

Ø	18 µ	54 µ	75 µ	125 µ
200 mm	Ref. 24400	Ref. 24401	Ref. 24408	Ref. 24414
250 mm	Ref. 24402	Ref. 24403	Ref. 24409	Ref. 24415
300 mm	Ref. 24404	Ref. 24405	Ref. 24410	Ref. 24416
400 mm	Ref. 24411	Ref. 24412	Ref. 24413	-



Reflex Max and MED B for grinding and pre-polishing

Diamond disc: new generation offering time saving, water use, longer life.
5 grit sizes: **Reflex Max**: 80 - 120 - 220 - 600 - 1200. **Quite simply install on Reflex Fix.**

Ø	80	120	220	600	1200
Relex Max Ø 200 mm	Ref. 24052	Ref. 24053	Ref. 24054	Ref. 24056	Ref. 24059
Relex Max Ø 250 mm	Ref. 24082	Ref. 24083	Ref. 24084	Ref. 24086	Ref. 24089
Relex Max Ø 300 mm	Ref. 24097	Ref. 24098	Ref. 24099	Ref. 24101	Ref. 24104

Composite plate: superior performance. Requiring no re-polishing or levelling.
To be used with suspension **Reflex LDM** or **LDP**. Reflex MED-B - finishing with suspensions 9 to 6 µ. **Quite simply to install on Reflex Fix.**

Ø	
Relex MED-B Ø 200 mm	Ref. 24126
Relex MED-B Ø 250 mm	Ref. 24136
Relex MED-B Ø 300 mm	Ref. 24141

Tissediam

Diamond discs that binds metallic or resin
for levelling and grinding of very hard materials

Ø	Green 250 µ	Black 125 µ	Red 75 µ	Yellow 40 µ	Grey 20 µ	Yellow 30 µ*	Blue 10 µ*
200 mm	Ref. 15060	Ref. 15061	Ref. 15062	Ref. 15063	Ref. 15064	Ref. 15065	Ref. 15066
250 mm	Ref. 15070	Ref. 15071	Ref. 15072	Ref. 15073	Ref. 15074	Ref. 15075	Ref. 15076
300 mm	Ref. 15080	Ref. 15081	Ref. 15082	Ref. 15083	Ref. 15084	Ref. 15085	Ref. 15086

* R = resin bond.

Accessories for Tissediam

Packs of 10 dressing sticks 20 x 10 x 75 mm - grit 220

Ref. 19015

Packs of 10 dressing sticks 20 x 12 x 75 mm - grit 400

Ref. 19016



Micro-abrasive discs & special abrasive papers

■ Ø 200 mm adhesive micro-abrasive discs, Aluminium Oxide

0.3 µ	1 µ	3 µ	5 µ	9 µ	12 µ	30 µ
Ref. 14230	Ref. 14210	Ref. 14211	Ref. 14212	Ref. 14213	Ref. 14214	Ref. 14215

25 per box.

■ Ø 200 mm adhesive micro-abrasive discs, Diamond

0.1 µ	0.5 µ	1 µ	3 µ	6 µ	9 µ	15 µ	30 µ
Ref. 14500	Ref. 14501	Ref. 14502	Ref. 14503	Ref. 14504	Ref. 14505	Ref. 14506	Ref. 14507

25 per box.

■ Adhesive Zirconium Oxide abrasive papers,

Ø	P 80	P 120	P 180
200 mm	Ref. 14221	Ref. 14222	Ref. 14223
250 mm	Ref. 14260	Ref. 14261	Ref. 14262
300 mm	Ref. 14310	Ref. 14311	Ref. 14312

25 per box.

■ Abrasive discs with ID (special foundries)

Ø	
350 mm P 80 ID 40	Ref. 13380
350 mm P 60 ID 40	Ref. 13381

25 abrasive discs per box.

■ Others

Description	
Ø 356 mm Grinding disc Grit 150	Ref. 01052
Dressing diamond (multi-point)	Ref. 01054

Abrasive for lapping

Silicium carbide powder

7 μ	9 μ	17 μ	23 μ	37 μ	45 μ
Ref. 12027	Ref. 12026	Ref. 12024	Ref. 12023	Ref. 12021	Ref. 12020

1kg per box

Boron carbide

Grit	
280	Ref. 12033
400	Ref. 12035

500 gr per box.

Grit	
600	Ref. 12036
1 000	Ref. 12038

Aluminium oxide powders

1 μ	3 μ	5 μ	9 μ	12 μ	15 μ	20 μ	25 μ	30 μ	40 μ
Ref. 12018	Ref. 12016	Ref. 12015	Ref. 12014	Ref. 12013	Ref. 12012	Ref. 12011	Ref. 12010	Ref. 12009	Ref. 12008

1 kg per box.

Lapping fluids

Lapping mineral oil

Description	
1 L	Ref. 12040
10 L	Ref. 12042

Lapping water soluble lubricant for the grinding

Description	
1 L	Ref. 12041
10 L	Ref. 12043

Metallodisc and Geodisc

Metallodisc type 31

Ø	
200 mm	Ref. 23001
250 mm	Ref. 23002
300 mm	Ref. 23004

Geodisc

Ø	
200 mm	Ref. 23050
250 mm	Ref. 23051
300 mm	Ref. 23052



Metallodisc and Geodisc are composite plates with a high grinding capacity. Optimum grinding is achieved when they are used with PRESI's diamond slurries. Their wear resistance enables them to process thousands of specimens on automatic polishing machines. The Metallodisc and Geodisc technique can be used for practically all metallographic grinding applications.

Abrasive papers

A wide range of adhesive and non adhesive abrasive papers, from P60 to P4000 and exclusively at PRESI the revolutionary holding system Reflex NAC!

Diameter 200 mm	p. 49
Diameter 230 mm	p. 49
Diameter 250 mm	p. 50
Diameter 300 mm	p. 50
Diameter 350 mm	p. 51
Diameter 400 mm	p. 51
Rolls, belts and bags of abrasifs discs	p. 52

Standards and equivalents												
FEPA P	P100	P120	P180	P240	P320	P400	P600	P800	P1000	P1200	P2400	P4000
US	100	120	180	240	-	320	-	400	600	-	800	1200
μ average	150	120	76	60	46	35	26	22	18	15	10	5

Reminder

Type M: Abrasive SIC

Type S: Abrasive Al_2O_3 except P1000, P1200, P2400 and P4000



Ø 200 mm	Adhesive			NAC		Non-adhesive		
	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25	Type M Pack of 100	Type S Pack of 100	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25
P 60		Ref. 14096	Ref. 14199		Ref. 24500			
P 80	Ref. 14600			Ref. 24575		Ref. 13400		
P 100		Ref. 14099	Ref. 14200		Ref. 24501		Ref. 13100	Ref. 13200
P 120	Ref. 14601	Ref. 14100	Ref. 14201	Ref. 24576	Ref. 24502	Ref. 13401	Ref. 13101	Ref. 13201
P 180	Ref. 14602	Ref. 14101	Ref. 14202	Ref. 24577	Ref. 24503	Ref. 13402	Ref. 13102	Ref. 13202
P 240	Ref. 14603	Ref. 14102	Ref. 14209	Ref. 24578	Ref. 24504	Ref. 13403	Ref. 13103	Ref. 13209
P 320	Ref. 14604	Ref. 14097	Ref. 14203	Ref. 24579	Ref. 24505	Ref. 13404	Ref. 13104	Ref. 13203
P 400	Ref. 14605	Ref. 14103	Ref. 14204	Ref. 24580	Ref. 24506	Ref. 13405	Ref. 13105	Ref. 13204
P 600	Ref. 14606	Ref. 14106	Ref. 14205	Ref. 24581	Ref. 24507	Ref. 13406	Ref. 13106	Ref. 13205
P 800	Ref. 14607	Ref. 14104	Ref. 14206	Ref. 24582	Ref. 24508	Ref. 13407	Ref. 13107	Ref. 13206
P 1000	Ref. 14608		Ref. 14207*	Ref. 24583		Ref. 13408		Ref. 13207*
P 1200	Ref. 14609		Ref. 14208*	Ref. 24584		Ref. 13409		Ref. 13208*
P 2400	Ref. 14107		Ref. 14244*	Ref. 24511		Ref. 13150		Ref. 13222*
P 4000	Ref. 14108		Ref. 14245*	Ref. 24512		Ref. 13151		Ref. 13223*

* Remark: Type M products

Ø 230 mm	NAC		Non-adhesive		
	Type M Pack of 100	Type S Pack of 100	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25
P 60		Ref. 24515			
P 80	Ref. 24585		Ref. 13410		
P 100		Ref. 24516		Ref. 13110	Ref. 13230
P 120	Ref. 24586	Ref. 24517	Ref. 13411	Ref. 13111	Ref. 13231
P 180	Ref. 24587	Ref. 24518	Ref. 13412	Ref. 13112	Ref. 13232
P 240	Ref. 24588	Ref. 24519	Ref. 13413	Ref. 13113	Ref. 13239
P 320	Ref. 24589	Ref. 24520	Ref. 13414	Ref. 13114	Ref. 13233
P 400	Ref. 24590	Ref. 24521	Ref. 13415	Ref. 13115	Ref. 13234
P 600	Ref. 24591	Ref. 24522	Ref. 13416	Ref. 13116	Ref. 13235
P 800	Ref. 24592	Ref. 24523	Ref. 13417	Ref. 13117	Ref. 13236
P 1000	Ref. 24593		Ref. 13418		Ref. 13237*
P 1200	Ref. 24594		Ref. 13419		Ref. 13238*
P 2400	Ref. 24526		Ref. 13152		Ref. 13240*
P 4000	Ref. 24527		Ref. 13153		Ref. 13241*

* Remark: Type M products.

Ø 250 mm	Adhesive			NAC		Non-adhesive		
	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25	Type M Pack of 100	Type S Pack of 100	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25
P 60		Ref. 14134	Ref. 14249		Ref. 24530			
P 80	Ref. 14620			Ref. 24595		Ref. 13420		
P 100		Ref. 14120	Ref. 14250		Ref. 24531		Ref. 13120	Ref. 13250
P 120	Ref. 14621	Ref. 14121	Ref. 14251	Ref. 24596	Ref. 24532	Ref. 13421	Ref. 13121	Ref. 13251
P 180	Ref. 14622	Ref. 14122	Ref. 14252	Ref. 24597	Ref. 24533	Ref. 13422	Ref. 13122	Ref. 13252
P 240	Ref. 14623	Ref. 14123	Ref. 14259	Ref. 24598	Ref. 24534	Ref. 13423	Ref. 13123	Ref. 13259
P 320	Ref. 14624	Ref. 14128	Ref. 14253	Ref. 24599	Ref. 24535	Ref. 13424	Ref. 13124	Ref. 13253
P 400	Ref. 14625	Ref. 14124	Ref. 14254	Ref. 24600	Ref. 24536	Ref. 13425	Ref. 13125	Ref. 13254
P 600	Ref. 14626	Ref. 14125	Ref. 14255	Ref. 24601	Ref. 24537	Ref. 13426	Ref. 13126	Ref. 13255
P 800	Ref. 14627	Ref. 14126	Ref. 14256	Ref. 24602	Ref. 24538	Ref. 13427	Ref. 13127	Ref. 13256
P 1000	Ref. 14628		Ref. 14257*	Ref. 24603		Ref. 13428		Ref. 13257*
P 1200	Ref. 14629		Ref. 14258*	Ref. 24604		Ref. 13429		Ref. 13258*
P 2400	Ref. 14130		Ref. 14265*	Ref. 24541		Ref. 13154		Ref. 13295*
P 4000	Ref. 14131		Ref. 14266*	Ref. 24542		Ref. 13155		Ref. 13296*

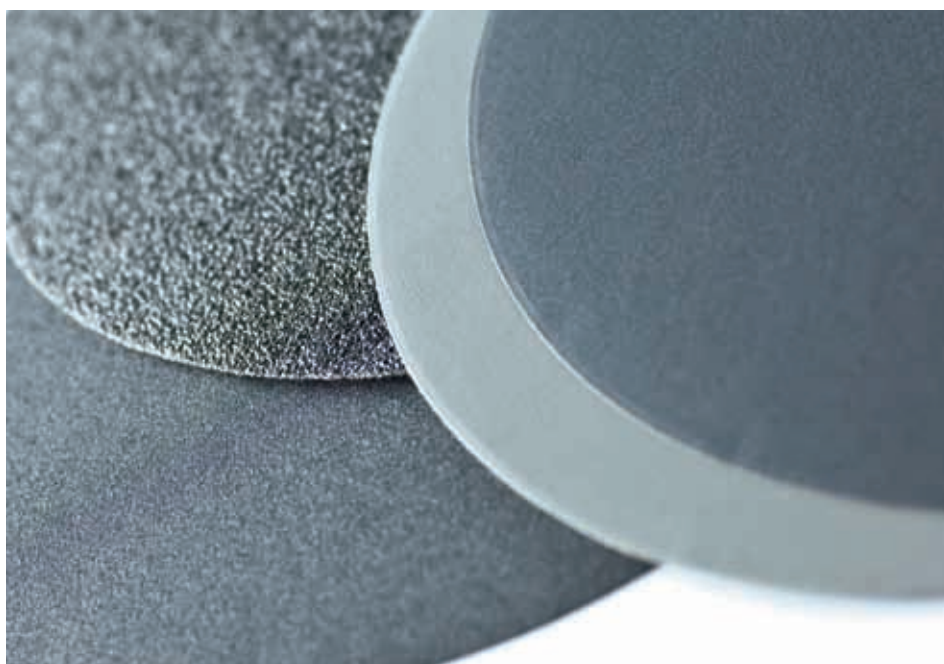
* Remark: Type M product.

Ø 300 mm	Adhesive			NAC		Non-adhesive		
	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25	Type M Pack of 100	Type S Pack of 100	Type M Pack of 100	Type S Pack of 100	Type S Pack of 25
P 60		Ref. 14133	Ref. 14299		Ref. 24545			
P 80	Ref. 14640			Ref. 24605		Ref. 13430		
P 100		Ref. 14109	Ref. 14300		Ref. 24546		Ref. 13130	Ref. 13300
P 120	Ref. 14641	Ref. 14110	Ref. 14301	Ref. 24606	Ref. 24547	Ref. 13431	Ref. 13131	Ref. 13301
P 180	Ref. 14642	Ref. 14111	Ref. 14302	Ref. 24607	Ref. 24548	Ref. 13432	Ref. 13132	Ref. 13302
P 240	Ref. 14643	Ref. 14112	Ref. 14309	Ref. 24608	Ref. 24549	Ref. 13433	Ref. 13133	Ref. 13309
P 320	Ref. 14644	Ref. 14117	Ref. 14303	Ref. 24609	Ref. 24550	Ref. 13434	Ref. 13134	Ref. 13303
P 400	Ref. 14645	Ref. 14113	Ref. 14304	Ref. 24610	Ref. 24551	Ref. 13435	Ref. 13135	Ref. 13304
P 600	Ref. 14646	Ref. 14116	Ref. 14305	Ref. 24611	Ref. 24552	Ref. 13436	Ref. 13136	Ref. 13305
P 800	Ref. 14647	Ref. 14114	Ref. 14306	Ref. 24612	Ref. 24553	Ref. 13437	Ref. 13137	Ref. 13306
P 1000	Ref. 14648		Ref. 14307*	Ref. 24613		Ref. 13438		Ref. 13307*
P 1200	Ref. 14649		Ref. 14308*	Ref. 24614		Ref. 13439		Ref. 13308*
P 2400	Ref. 14119		Ref. 14315*	Ref. 24556		Ref. 13156		Ref. 13330*
P 4000	Ref. 14132		Ref. 14316*	Ref. 24557		Ref. 13157		Ref. 13331*

* Remark: Type M product.

Ø 305 mm	Non-adhesive	
	Type M Pack of 100	Type S Pack of 100
P 80	Ref. 13450	
P 100		Ref. 13140
P 120	Ref. 13451	Ref. 13141
P 180	Ref. 13452	Ref. 13142
P 240	Ref. 13453	Ref. 13143
P 320	Ref. 13454	Ref. 13144
P 400	Ref. 13455	Ref. 13145
P 600	Ref. 13456	Ref. 13146
P 800	Ref. 13457	Ref. 13147
P 1000	Ref. 13458	
P 1200	Ref. 13459	
P 2400	Ref. 13158	
P 4000	Ref. 13159	

Ø 400 mm	Adhesive
	Type S Pack of 25
P 60	Ref. 14410
P 100	Ref. 14400
P 120	Ref. 14401
P 180	Ref. 14402
P 240	Ref. 14409
P 320	Ref. 14403
P 400	Ref. 14404
P 600	Ref. 14405
P 800	Ref. 14406
P 1000	Ref. 14407
P 1200	Ref. 14408
P 2400	Ref. 14147
	-
P 4000	Ref. 14148
	-





■ Non-adhesive abrasive paper rolls

Non-adhesive paper rolls 75 mm x 30 m	
P 180	Ref. 13498
P 240	Ref. 13500
P 320	Ref. 13499
P 400	Ref. 13501
P 600	Ref. 13502
P 1000	Ref. 13503

■ Abrasive belts

Abrasive belts for belt grinders 920 x 100 mm	
P 60	Ref. 13600
P 80	Ref. 13601
P 120	Ref. 13602
P 150	Ref. 13603
P 240	Ref. 13604

10 belts per box.

■ Adhesive abrasive discs Ø 32 mm

Adhesive abrasive discs Ø 32 mm for portable polishing machine	
P 60	Ref. 14010
P 100	Ref. 14000
P 120	Ref. 14001
P 180	Ref. 14002
P 240	Ref. 14003
P 320	Ref. 14004
P 400	Ref. 14005
P 600	Ref. 14006
P 800	Ref. 14007
P 1000	Ref. 14008
P 1200	Ref. 14009

100 abrasive discs per box.

Polishing cloths

Polishing cloths influence the properties of the cutting of abrasives (diamond, alumina, silica...) with which they are used. The wide range proposed exclusively by PRESI allows the finishing and super-finishing of all materials.

Diameter 200 mm	p. 54
Diameter 230 mm	p. 54
Diameter 250 mm	p. 55
Diameter 300 mm	p. 55
Diameter 400 mm	p. 56
Ø 32 mm for portable machine	p. 56

Self-adhesive, magnetic or PAD polishing cloths

*The pressure-sensitive adhesive cloths are perfect to all polishing requirements
The various types of polishing cloths are:*

Woven:

made with different fibres and weave sizes, they are all laminated at the back to avoid penetration of the abrasive and diluent into the adhesive layer.
They generally offer "hard surface" polishing properties and guarantee flatness without edge deterioration.

Flocked:

made using different type, length, density and grade of flock, as well as different flock supports and bonding.
Only flocked cloths provide a super-polished finish.
The polishing duration must be as short as possible to avoid inclusion extraction.

Non-woven:

mixtures of various fibres impregnated with plastic, elastomer, latex, ... and often subject to mechano-chemical treatments.
They are used on very hard materials and for finishing of light alloys in mechanochemistry.

They are an extension of metallographic methods for finishing of high-precision surfaces such as glass, quartz, aphire and semi-conductors.

PRESI offers a complete range of self-adhesive, magnetic or PAD polishing cloths for all metallographic and geological applications.
They are intended for use with abrasive compounds such as diamond, aluminium oxide, SPM...

All types are available in 4 grades: fine-grinding, rough-grinding, final polishing, super-finishing.

	Fine-grinding 45-39-15-9-6 µ	Rough-polishing 9-6-3 µ	Final-polishing 3-2-1 µ	Super-finishing 1-1/10 µ
Woven	TMP SNM TGM - -	STA RAM TOP ADRII RAM II	RAM ADRII - - -	DBM* - - - -
Non-woven	PPG NWF -	- NWF -	NWUF LDR* -	SUPRA 5 - -
Flocked	- - -	- AFL - -	HS VERT HS BLEU RFI -	TFR NT** NV* -

*Special alumina oxide cloths . **Special chemo-mechanical cloths

Ø 200 mm	Adhesive	MAG*	PAD (Reflex Concept)
ADR II	Ref. 16226	Ref. 16813	Ref. 24172
AFL	Ref. 16205		
DBM	Ref. 16218	Ref. 16809	
HS-B	Ref. 16202	Ref. 16805	Ref. 24164
HS-V	Ref. 16201	Ref. 16804	Ref. 24163
LDR 1	Ref. 16223		
NT	Ref. 16206	Ref. 16807	Ref. 24165
NV	Ref. 16207	Ref. 16812	Ref. 24171
NWF	Ref. 16219	Ref. 16808	Ref. 24168
NWUF	Ref. 16220		Ref. 24169
PPG LISSE	Ref. 1622		
RAM	Ref. 16216	Ref. 16802	Ref. 24160
RAM II	Ref. 16211	Ref. 16803	Ref. 24999
RFI	Ref. 16230		
STA	Ref. 16212	Ref. 16801	Ref. 24170
SUPRA 5	Ref. 16224	Ref. 16811	Ref. 24166
TFR	Ref. 16204	Ref. 16806	Ref. 24167
TGM	Ref. 16210		
TMP	Ref. 16208	Ref. 16810	
TOP	Ref. 16214	Ref. 16800	Ref. 24161

5 Polishing cloths per box.

* Requires the use of PMS DISC (cf. adaptation processes page 65).

Ø 230 mm	PAD (Reflex Concept)
HS-B	Ref. 24179
HS-V	Ref. 24178
NT	Ref. 24180
RAM	Ref. 24175
SUPRA 5	Ref. 24181
TOP	Ref. 24176

5 polishing cloths per box.



Ø 250 mm	Adhesive	MAG*	PAD (Reflex Concept)
ADR II	Ref. 16276	Ref. 16853	Ref. 24202
AFL	Ref. 16255		
DBM	Ref. 16268	Ref. 16849	
HS-B	Ref. 16252	Ref. 16845	Ref. 24194
HS-V	Ref. 16251	Ref. 16844	Ref. 24193
LDR 1	Ref. 16273		
NT	Ref. 16256	Ref. 16847	Ref. 24195
NV	Ref. 16257	Ref. 16852	Ref. 24201
NWF	Ref. 16269	Ref. 16848	Ref. 24198
NWUF	Ref. 16270		Ref. 24199
PPG LISSE	Ref. 16272		
RAM	Ref. 16266	Ref. 16842	Ref. 24190
RAM II	Ref. 16261	Ref. 16843	Ref. 24999
RFI	Ref. 16280		
STA	Ref. 16262	Ref. 16841	Ref. 24200
SUPRA 5	Ref. 16274	Ref. 16851	Ref. 24196
TFR	Ref. 16254	Ref. 16846	Ref. 24197
TGM	Ref. 16260		
TMP	Ref. 16258	Ref. 16850	
TOP	Ref. 16264	Ref. 16840	Ref. 24191

5 Polishing cloths per box.

* Requires the use of PMS DISC (cf. adaptation processes).

Ø 300 mm	Adhesive	MAG*	PAD (Reflex Concept)
ADR II	Ref. 16326	Ref. 16884	Ref. 24218
AFL	Ref. 16305		
DBM	Ref. 16318	Ref. 16880	
HS-B	Ref. 16302	Ref. 16875	Ref. 24209
HS-V	Ref. 16301	Ref. 16874	Ref. 24208
LDR 1	Ref. 16323		
NT	Ref. 16306	Ref. 16877	Ref. 24210
NV	Ref. 16307	Ref. 16883	Ref. 24217
NWF	Ref. 16319	Ref. 16878	Ref. 24213
NWUF	Ref. 16320		Ref. 24214
PPG LISSE	Ref. 16322		
RAM	Ref. 16316	Ref. 16872	Ref. 24205
RAM II	Ref. 16311	Ref. 16873	Ref. 24999
RFI	Ref. 16330		
STA	Ref. 16312	Ref. 16871	Ref. 24215
SUPRA 5	Ref. 16324	Ref. 16882	Ref. 24211
TFR	Ref. 16304	Ref. 16876	Ref. 24212
TGM	Ref. 16310		
TMP	Ref. 16308	Ref. 16881	
TOP	Ref. 16314	Ref. 16870	Ref. 24206

5 Polishing cloths per box.

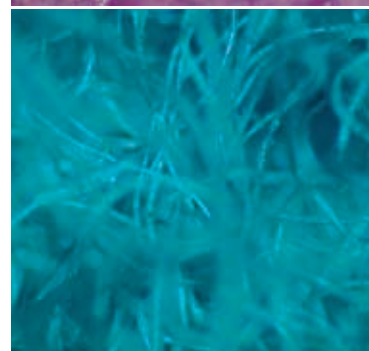
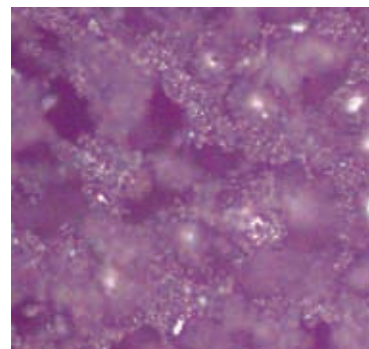
Ø 400 mm	Adhesive
HS-B	Ref. 16402
HS-V	Ref. 16401
LDR 1	Ref. 16423
NT	Ref. 16406
NWUF	Ref. 16420
RAM	Ref. 16416
RAM II	Ref. 16411
RFI	Ref. 16430
STA	Ref. 16412
SUPRA 5	Ref. 16424
TGM	Ref. 16427

5 polishing cloths per box.

■ Polishing discs for portable polishing machine

Ø 32 mm	Adhesive
HS-V	Ref. 16001
RAM	Ref. 16002
HS-B	Ref. 16004

25 polishing cloths per box.



Microscopic Photos of cloths

Diamond polishing

Due to its exceptional hardness, resistance to crushing and removal capacity, diamond has become the first choice in abrasives for metallographic polishing. Recent progress in powder grading has made the cost of diamond solutions highly competitive with other polishing processes.

Diamond suspensions	p. 57
Diamond aerosols	p. 59
Diamond pastes	p. 59
Sticks	p. 61
Lubricants	p. 61
Sprays	p. 61

Diamond suspensions

L

L liquid contains a high concentration of polycrystalline. Perfectly soluble in water and alcohol. Alcohol base (no water).

Type L	250 CC	500 CC	2,5 L
Grit. 1/10 μ			
Grit. 1/4 μ	Ref. 20130		
Grit. 1 μ	Ref. 20131		
Grit. 3 μ	Ref. 20132		
Grit. 6 μ	Ref. 20133		
Grit. 9 μ	Ref. 20134		
Grit. 15 μ	Ref. 20135		
Grit. 30 μ	Ref. 20136		
Grit. 45 μ	Ref. 20137		

LA

Same high concentration of polycrystalline diamond as L liquid but higher removal rates. Perfectly soluble in water and alcohol. Alcohol base (no water).

Type LA	250 CC	500 CC	2,5 L
Grit. 1/4 μ	Ref. 20150		
Grit. 1 μ	Ref. 20151		
Grit. 3 μ	Ref. 20152		
Grit. 6 μ	Ref. 20153		
Grit. 9 μ	Ref. 20154		
Grit. 15 μ	Ref. 20155		
Grit. 30 μ	Ref. 20156		
Grit. 45 μ	Ref. 20157		

LD 32 E

Permanent suspension that requires no stirring and perfectly water soluble. Made of polycrystalline diamond, with high cutting power, this new formulation is specially recommended for treated steels and for hard materials in general.
Only water base.

Type LD 32 E	250 CC	1 L	2,5 L
Grit. 1/4 μ	Ref. 20168	Réf. 20184	Ref. 20802
Grit. 1 μ	Ref. 20169	Ref. 20185	Ref. 20803
Grit. 3 μ	Ref. 20170	Ref. 20186	Ref. 20804
Grit. 6 μ	Ref. 20171	Ref. 20187	Ref. 20805
Grit. 9 μ	Ref. 20172	Ref. 20188	Ref. 20806
Grit. 15 μ	Ref. 20173	Ref. 20189	Ref. 20807
Grit. 30 μ	Ref. 20174		
Grit. 45 μ	Ref. 20175		

LDM et LDP

LDM: monocrystalline diamond. **LDP:** polycrystalline diamond
Diamond suspensions: new diamond suspensions backed up by more than 47 years of experience. Quality of the diamond, concentration, homogeneity, vehicles of suspension. All these parameters have been optimised.
The use of lubricant is not necessary. Biodegradable suspension (ISO14000).
Six grades: REFLEX LDM and LDP from 1/4 to 15 μ .

Type Reflex LDM	500 CC	1 L	2,5 L
Grit. 1/4 μ	Ref. 24250	Ref. 24283	Ref. 24290
Grit. 1 μ	Ref. 24251	Ref. 24284	Ref. 24291
Grit. 3 μ	Ref. 24252	Ref. 24285	Ref. 24292
Grit. 6 μ	Ref. 24253	Ref. 24286	Ref. 24293
Grit. 9 μ	Ref. 24254	Ref. 24287	Ref. 24294
Grit. 15 μ	Ref. 24255	Ref. 24288	Ref. 24295

Type Reflex LDP	500 CC	1 L	2,5 L
Grit. 1/4 μ	Ref. 24260	Ref. 24300	Ref. 24310
Grit. 1 μ	Ref. 24261	Ref. 24301	Ref. 24311
Grit. 3 μ	Ref. 24262	Ref. 24302	Ref. 24312
Grit. 6 μ	Ref. 24263	Ref. 24303	Ref. 24313
Grit. 9 μ	Ref. 24264	Ref. 24304	Ref. 24314
Grit. 15 μ	Ref. 24265	Ref. 24305	Ref. 24315

LD 33 E

Permanent coloured suspension that requires no stirring and perfectly water soluble. Made of monocrystalline diamond, this suspension is suitable for all polishing problems of metallographic control Only water base.

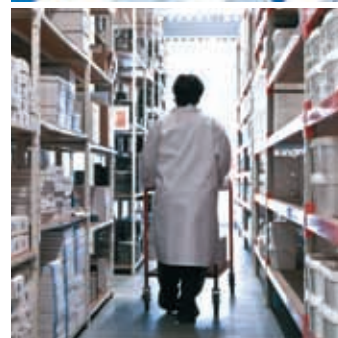
Type LD 33 E	250 CC	500 CC	1 L	2,5 L
Grit. 1/4 μ	Ref. 20220	Ref. 20231	Ref. 20241	Ref. 20512
Grit. 1 μ	Ref. 20221	Ref. 20232	Ref. 20242	Ref. 20513
Grit. 3 μ	Ref. 20222	Ref. 20233	Ref. 20243	Ref. 20514
Grit. 6 μ	Ref. 20223	Ref. 20234	Ref. 20244	Ref. 20515
Grit. 9 μ	Ref. 20224	Ref. 20235	Ref. 20245	Ref. 20516
Grit. 15 μ	Ref. 20225	Ref. 20236	Ref. 20246	Ref. 20517

**Advice**

It is better to start with diamond paste on polishing cloths and then to use diamond suspensions...

Diamond aerosols

Type L	150 CC
Grit. 1/10 μ	
Grit. 1/4 μ	Ref. 07001
Grit. 1 μ	Ref. 07002
Grit. 3 μ	Ref. 07003
Grit. 6 μ	Ref. 07004
Grit. 9 μ	Ref. 07005
Grit. 15 μ	Ref. 07006
Grit. 30 μ	
Grit. 45 μ	



Diamond pastes

DE

Characteristics:

- Normal Concentration .
- Monocrystalline diamond.
- Dispersion in water and alcohol

Use:

- Suitable for all types of metallographic polishing of mild steels.
- Perfectly suited for polishing soft metals, light alloys, lead, titanium, zircaloy...

Type DE	10 Gr	5 Gr
Grit. 1/4 μ	Ref. 06002	Ref. 06001
Grit. 1 μ	Ref. 06004	Ref. 06003
Grit. 3 μ	Ref. 06006	Ref. 06005
Grit. 6 μ	Ref. 06008	Ref. 06007
Grit. 9 μ	Ref. 06010	Ref. 06009
Grit. 15 μ	Ref. 06012	Ref. 06011
Grit. 30 μ	Ref. 06014	Ref. 06013
Grit. 45 μ	Ref. 06016	Ref. 06015

Delivered in syringes.

DE/SY

Characteristics:

- High concentration.
- Polycrystalline diamond with high removal capacity.
- Dispersion in water and alcohol

Use:

- Especially recommended for pre-polishing of very hard materials such as tungsten carbide, refractories, ceramics...

Type DE/SY	10 Gr	5 Gr
Grit. 1/4 μ	Ref. 06018	Ref. 06017
Grit. 1 μ	Ref. 06020	Ref. 06019
Grit. 3 μ	Ref. 06022	Ref. 06021
Grit. 6 μ	Ref. 06024	Ref. 06023
Grit. 9 μ	Ref. 06026	Ref. 06025
Grit. 15 μ	Ref. 06028	Ref. 06027
Grit. 30 μ	Ref. 06030	Ref. 06029
Grit. 45 μ	Ref. 06032	Ref. 06031

Delivered in syringes.

GH

Characteristics:

- Normal concentration.
- Monocrystalline diamond.
- Perfectly soluble in water.

Use:

- Suitable for all types of metallographic polishing.

Type GH	10 Gr	5 Gr
Grit. 1/10 µ	Ref. 21002	Ref. 21001
Grit. 1 µ	Ref. 21004	Ref. 21003
Grit. 2 µ	Ref. 21006	Ref. 21005
Grit. 3 µ	Ref. 21008	Ref. 21007
Grit. 6 µ	Ref. 21010	Ref. 21009
Grit. 7 µ	Ref. 21012	Ref. 21011
Grit. 10 µ	Ref. 21014	Ref. 21013
Grit. 15 µ	Ref. 21016	Ref. 21015

Delivered in syringes.

PG

Characteristics:

- Normal concentration.
- Monocrystalline diamond.
- Perfectly soluble in water.

Use:

- Suitable for all types of metallographic polishing.

Type PG	10 Gr*	5 Gr
Grit. 1/4 µ white	Ref. 21200	
Grit. 1 µ blue	Ref. 21201	
Grit. 3 µ green	Ref. 21202	
Grit. 6 µ yellow	Ref. 21203	
Grit. 9 µ orange	Ref. 21204	
Grit. 15 µ red	Ref. 21205	

* Coloured pastes same as GH paste.

PM

Characteristics:

- High concentration.
- Monocrystalline diamond.
- Perfectly soluble in water and alcohol.

Use:

- Special steels, stainless steel, cast iron, and so on.

Type PM	10 Gr	5 Gr
Grit. 1/10 µ	05002	Ref. 05001
Grit. 1 µ	Ref. 05004	Ref. 05003
Grit. 2 µ	Ref. 05006	Ref. 05005
Grit. 3 µ	Ref. 05008	Ref. 05007
Grit. 6 µ	Ref. 05010	Ref. 05009
Grit. 9 µ	Ref. 05012	Ref. 05011
Grit. 15 µ	Ref. 05014	Ref. 05013
Grit. 30 µ	Ref. 05016	Ref. 05015
Grit. 45 µ	Ref. 05018	Ref. 05017

Delivered in syringes.



Sticks

LD 33

Coloured permanent suspension requiring no stirring and perfectly water soluble. Made from monocrystalline diamond, this suspension is suitable for all metallographic polishing operations.

Type LD 33	10 Gr	5 Gr
Grit. 1/4 μ	Ref. 18000	
Grit. 1 μ	Ref. 18001	
Grit. 3 μ	Ref. 18002	
Grit. 6 μ	Ref. 18003	
Grit. 9 μ	Ref. 18004	
Grit. 15 μ	Ref. 18005	
Grit. 25 μ	Ref. 18006	



Lubricants

	1L	10 L
DE	Ref. 10005	Ref. 10020
GH	Ref. 10009	Ref. 10022
LA	Ref. 10012	Ref. 10024
LD	Ref. 10011	Ref. 10023
PM	Ref. 10006	Ref. 10021
REFLEX LUB	Ref. 24270*	Ref. 24271

* Delivered in spray.

Lubricant	Water base	Alcohol base	Color
DE			Red
GH			Transparent
LA			Transparent
LD			Brown
PM			Orange
REFLEX LUB			Green

Sprays

Spray	
For Lubricant 500 cc	Ref. 10008
For Lubricant 250 cc	Ref. 10015

Super finishing Polishing

For a very high quality preparation for detailed microscopic examination, a super finishing step is frequently required.

Powders and suspensions p. 62
Super-finishing Solution p. 63

Powders and suspensions

PRESI N° 1

Grain size: 0.04 μ .

Use:

- Super finishing of soft materials such as copper, lead, aluminium...

PRESI N° 2

Grain size: 0.3 μ .

Use:

- Final polishing of copper alloys, nickel, brass, bronze, aluminium...

PRESI N° 3

Grain size: 0.8 μ .

Use:

- Final polishing of steels and hard materials (finish suitable for direct observation or medium magnification).

PRESI N° 4

Grain size: 1 μ .

Use:

- Specially recommended for fine pre-polishing of all metals.

■ PRESI Alumina powder

GAMMA 0.04 μ	ALPHA 0.3 μ	ALPHA 1 μ
Ref. 11001	Ref. 11002	Ref. 11003

Conditioned in 1 kg box.

■ PRESI Alumina suspensions

N° 1 (0.04 μ)	N° 2 (0.3 μ)	N° 3 (0.8 μ)	N° 4 (1 μ)
Ref. 11004	Ref. 11005	Ref. 11006	Ref. 11007

Conditioned in 1 L bottle.

Dujardin N° 1Grain size: 0-1 μ . Blue.

Use:

- suitable for polishing of steel and hard steels.

Dujardin N° 2Grain size: 0-0.7 μ . White.

Use:

- produces a flawless surface with all hard and semi-hard metals
- Suitable for brass, bronze and more generally all copper alloys

Dujardin N° 3Grain size: 0-0.3 μ . Pink.

Use:

- Used for finishing of metallographic specimens, in particular for soft metals such as copper or lead.
- Can be used in certain cases for finishing after diamond polishing.

■ Dujardin alumina suspensions

N° 1 (0 - 1 μ)	N° 2 (0 - 0.7 μ)	N° 3 (0 - 0.3 μ)
Ref. 11010	Ref. 11011	Ref. 11012

Bottle of 1 L.

■ Cerium oxide

Cerium oxide 2,5 μ
Ref. 36207

Box of 1 kg.

■ Super-finishing solution (colloidal silica)

1 L	10 L SPM suspension	1 L . REFLEX SPM susp.
Ref. 12006	Ref. 12007	Ref. 24280*

* Lubricant atomizer.

**Advice**

The SPM suspension is intended for super-finishing of aluminium oxide, copper and titanium specimens and more generally any specimen with thin layers.
This suspension can be diluted up to 7 times in water.
To avoid crystallisation, the specimens and the cloth must be thoroughly rinsed with water after polishing.



Adaptation systems

These systems allow to adapt different holding types to different consumables types (adhesive, non-adhesive, magnetic, reflex...). The following chart will help you in your choice.

Reflex CAP	p. 65
Reflex MAG	p. 65
PMS DISC	p. 65
PMS AD	p. 65
AD AC	p. 66
PMS TAC	p. 66
TAC	p. 66
Glue spray can	p. 66

Equivalent chart

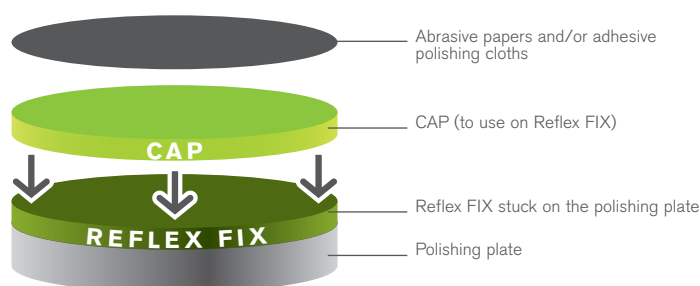
<div> <div>I would like to use abrasive papers or polishing cloths</div> <div>I use abrasive papers or polishing cloths</div> </div>	Non adhesive	Adhesive	Reflex	PRESI Magnetic discs	PRESI Non-magnetic discs
Non-adhesive	TAC replaces Circle Holder	Adhesive Consumables	REFLEX FIX	PMS DISC	REFLEX MAG
Adhesive	Circle Holders	With AD AC disc: easy unsticking of abrasive papers and polishing cloths	REFLEX FIX	PMS DISC	REFLEX MAG
Reflex		REFLEX CAP			
PRESI Magnetic discs	PMS TAC	PMS AD	REFLEX FIX		
PRESI Non-magnetic discs			REFLEX FIX		

Reflex CAP

Reflex CAP allows the use of adhesive consumables with Reflex FIX system. It is then possible to use Reflex or adhesive without changing polishing plate.

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 24040	Ref. 24042	Ref. 24043

Box of 5.

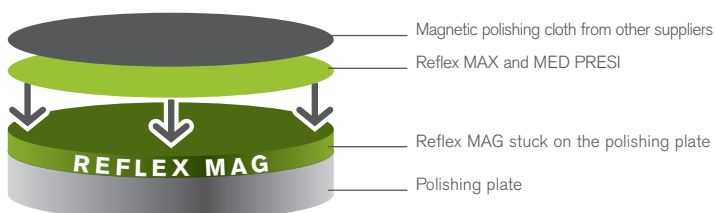


Reflex MAG

Reflex MAG allows the use of magnetic consumables from other suppliers than PRESI. Also possible to use on Reflex MAG, our MAX and MED consumables.

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 24036	Ref. 24038	Ref. 24039

1 per box.

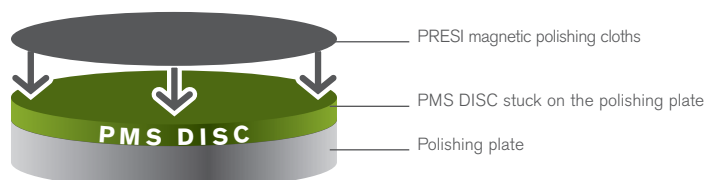


PMS DISC

PMS DISC allows to use PRESI magnetic polishing cloths. PMS DISC should be stuck on polishing plate

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 57300	Ref. 57301	Ref. 57302

1 per box.

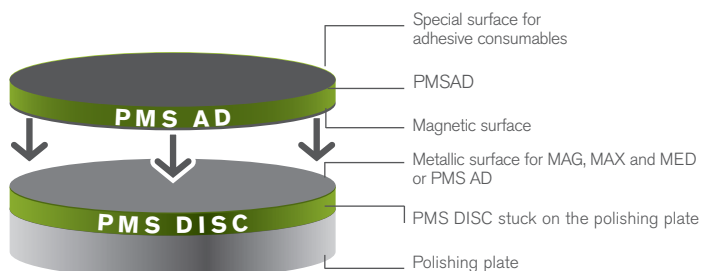


PMS AD

PMS AD allows to use adhesive abrasive papers or polishing cloths on PMS DISC

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 57320	Ref. 57321	Ref. 57322

Box of 5.

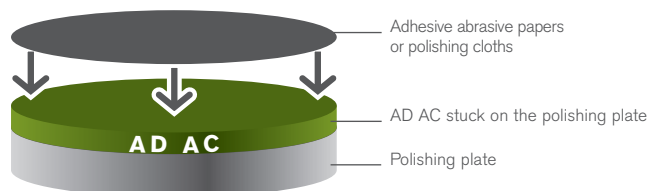


AD AC

Polypropylen adhesive disc AD AC
AD AC allows the use of adhesive consumables
with easy removal

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 14950	Ref. 14951	Ref. 14952

Box of 5.

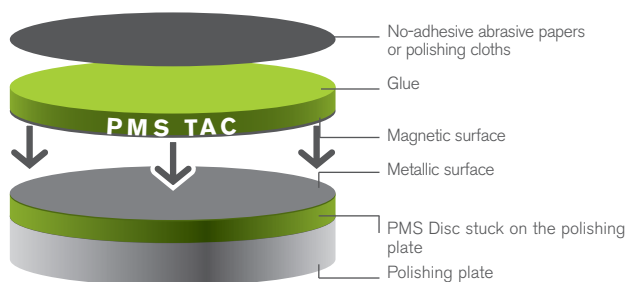


PMS TAC

PMS TAC are magnetic on one side, and adhesive on the other side.
They allow the use of non-adhesive papers with magnetic system PMS DISC

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 57310	Ref. 57311	Ref. 57312

Box of 5.

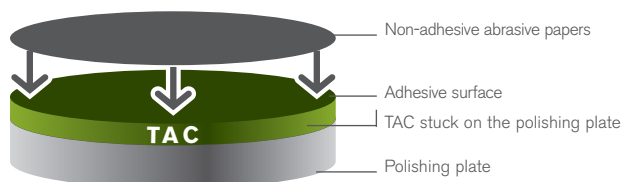


TAC

TAC are double-sided adhesive
They allow the use of non-adhesive abrasive papers without circle holder

Ø 200 mm	Ø 250 mm	Ø 300 mm
Ref. 13801	Ref. 13802	Ref. 13803

Box of 5.



Glue spray can

To add glue on any surface
Ref. 19010