

POLISHING HOLDER

Polishing cloths influence the properties of the cutting of abrasives (diamond, alumina, silica...) with which they are used. MED R with a complete range of self-adhesive cloths and REFLEX PAD-MAG, solves all metallography or geology polishing problems using abrasives such as diamond, alumina, mechanico-chemical SPM solution. Polishing cloths are classified in 4 main families: fine-grinding, rough-finishing, finishing and super-finishing.



MED R AND FINE GRINDING

NAME	TYPE	COMPOSITION	MAIN APPLICATIONS	RECOMMENDED PRODUCTS	ASSOCIATED SUSPENSIONS	ADHESIVE	Metallic back-side version PAD MAG
MED R		Resinoids studs.	Levelling of all types of materials.	Polycrystalline super abrasive product / Diamond product	15 to 6 μ		Ref. 24087: \varnothing 200mm Ref. 24089: \varnothing 250mm Ref. 24090: \varnothing 300mm
TMP		Wire gauze (stainless steel 18/8) fixed to a metallo-plastic support (polyethylene).	Very fast removal of material. Steels, carbides and ceramics.	Pastes / diamond solutions	45 to 6 μ	Ref. 16208: \varnothing 200mm Ref. 16258: \varnothing 250mm Ref. 16308: \varnothing 300mm	Ref. 24174: \varnothing 200mm Ref. 24204: \varnothing 250mm Ref. 24232: \varnothing 300mm
TOP		Plasticised acetate silk taffeta.	Levelling of all types of materials.	Diamond products	15 to 6 μ	Ref. 16214: \varnothing 200mm Ref. 16264: \varnothing 250mm Ref. 16314: \varnothing 300mm	Ref. 24161: \varnothing 200mm Ref. 24191: \varnothing 250mm Ref. 24206: \varnothing 300mm
RAM II		Acetate silk satin, plasticised and glued to a semi-rigid support.	Soft materials.	Diamond products	9 to 6 μ	Ref. 16211: \varnothing 200mm Ref. 16261: \varnothing 250mm Ref. 16311: \varnothing 300mm	Ref. 24162: \varnothing 200mm Ref. 24192: \varnothing 250mm Ref. 24219: \varnothing 300mm



ROUGH-FINISHING CLOTHS

NAME	TYPE	COMPOSITION	MAIN APPLICATIONS	RECOMMENDED PRODUCTS	ASSOCIATED SUSPENSIONS	ADHESIVE	Metallic back-side version PAD MAG
RAM		Acetate silk satin, plasticised and glued to a semi-rigid support.	Polishing and finishing with excellent flatness Inclusion retention-All materials.	Diamond products	3 to 1 μ	Ref. 16216: \varnothing 200mm Ref. 16266: \varnothing 250mm Ref. 16316: \varnothing 300mm	Ref. 24160: \varnothing 200mm Ref. 24190: \varnothing 250mm Ref. 24205: \varnothing 300mm
STA		Acetate silk satin, plasticised and glued to a semi-rigid support.	All materials.	Diamond products	9 to 6 μ	Ref. 16212: \varnothing 200mm Ref. 16262: \varnothing 250mm Ref. 16312: \varnothing 300mm	Ref. 24170: \varnothing 200mm Ref. 24200: \varnothing 250mm Ref. 24215: \varnothing 300mm
ADR II		Wool cloth woven on a soft support.	Semi-finishing polishing with excellent flatness. All types of steels/stainless steels.	Diamond products	6 to 3 μ	Ref. 16226: \varnothing 200mm Ref. 16276: \varnothing 250mm Ref. 16326: \varnothing 300mm	Ref. 24172: \varnothing 200mm Ref. 24202: \varnothing 250mm Ref. 24218: \varnothing 300mm
NWF +		Synthetic fibers, elastomer bonded to a rough surface.	Final polishing of hard materials, refractories, carbides, ceramics. Applications for optics: glass and quartz (alumina & cerium oxide).	Diamond products Cerium oxide Alumina	3 to 1 μ 2,5 μ (cerium) 0,3 μ (alumina)	Ref. 16215: \varnothing 200mm Ref. 16265: \varnothing 250mm Ref. 16309: \varnothing 300mm	Ref. 24168: \varnothing 200mm Ref. 24198: \varnothing 250mm Ref. 24213: \varnothing 300mm







FINISHING CLOTHS

NAME	TYPE	COMPOSITION	MAIN APPLICATIONS	RECOMMENDED PRODUCTS	ASSOCIATED SUSPENSIONS	ADHESIVE	Metallic back-side version PAD MAG
NT		Flock and fixed to soft cotton taffeta.	Polishing and super-polishing of all types of materials.	Diamond products Aluminas SPM	3 to 1/4 μ 0.03 μ (SPM)	Ref. 16206: Ø 200mm Ref. 16256: Ø 250mm Ref. 16306: Ø 300mm	Ref. 24165: Ø 200mm Ref. 24195: Ø 250mm Ref. 24210: Ø 300mm
TFR		Very soft, short rayon flock embedded in a layer of soft plastic.	Super-finishing for inclusion investigations and control of structure on steels, aluminium, zirconium, magnesium.	Diamond products	1 to 1/4 μ	Ref. 16204: Ø 200mm Ref. 16254: Ø 250mm Ref. 16304: Ø 300mm	Ref. 24167: Ø 200mm Ref. 24197: Ø 250mm Ref. 24212: Ø 300mm
RFI		Short rayon flock on cotton cloth.	Final polishing for all steels and super-finishing (inclusions).	Diamond products	3 to 1 μ	Ref. 16230: Ø 200mm Ref. 16280: Ø 250mm Ref. 16330: Ø 300mm	Ref. 24169: Ø 200mm Ref. 24199: Ø 250mm Ref. 24207: Ø 300mm
HS V		Very short rayon flock fixed to semi-rigid plastic.	Polishing and finishing of all materials.	Diamond products (or alumina in some cases)	3 μ	Ref. 16201: Ø 200mm Ref. 16251: Ø 250mm Ref. 16301: Ø 300mm	Ref. 24163: Ø 200mm Ref. 24193: Ø 250mm Ref. 24208: Ø 300mm
HS B		Very short rayon flock on strong cotton cloth.	Polishing and finishing of all materials.	Diamond products (or alumina in some cases)	1 μ	Ref. 16202: Ø 200mm Ref. 16252: Ø 250mm Ref. 16302: Ø 300mm	Ref. 24164: Ø 200mm Ref. 24194: Ø 250mm Ref. 24209: Ø 300mm
NWF +		Elastomer bonded synthetic fibers on rough surface.	Final polishing of hard materials, refractories, carbides, ceramics. Applications for optics: glass and quartz (alumina & cerium oxide).	Diamond products Cerium oxide Aluminas	3 to 1 μ 2.5 μ (cerium) 0.3 μ (alumina)	Ref. 16215: Ø 200mm Ref. 16265: Ø 250mm Ref. 16309: Ø 300mm	Ref. 24168: Ø 200mm Ref. 24198: Ø 250mm Ref. 24213: Ø 300mm



SUPER-FINISHING CLOTHS

NAME	TYPE	COMPOSITION	MAIN APPLICATIONS	RECOMMENDED PRODUCTS	ASSOCIATED SUSPENSIONS	ADHESIVE	Metallic back-side version PAD MAG
DBM		Billiard cloth 100% wool.	Polishing and super-finishing for soft material (tin, lead).	Alumina Cerium oxide	6 to 0.3 μ	Ref. 16218: Ø 200mm Ref. 16268: Ø 250mm Ref. 16318: Ø 300mm	Ref. 24173: Ø 200mm Ref. 24203: Ø 250mm Ref. 24231: Ø 300mm
SUPRA		Felt made of synthetic fibers impregnated with latex and covered by a layer of polyurethane foam.	Super-finishing of all materials. Mirror polishing of semi-conductors, glass.	SPM Colloidal silica	0.03 μ (SPM)	Ref. 16224: Ø 200mm Ref. 16274: Ø 250mm Ref. 16324: Ø 300mm	Ref. 24166: Ø 200mm Ref. 24196: Ø 250mm Ref. 24211: Ø 300mm
NV		Very soft flock cloth fixed to a soft cotton cloth.	Final polishing for soft materials (aluminium alloys, copper... Super -finishing for ceramics with cerium oxide.	Alumina Cerium oxide	0.8 - 1 μ (alumine) 2.5 μ (cérium)	Ref. 16207: Ø 200mm Ref. 16257: Ø 250mm Ref. 16307: Ø 300mm	Ref. 24171: Ø 200mm Ref. 24201: Ø 250mm Ref. 24217: Ø 300mm
LDR		Felt made of polyester fibers impregnated with polyurethane.	Electronic, carbon fiber Semi-conductor polishing.	Diamond products Alumina	1 to 1/4 μ	Ref. 16223: Ø 200mm Ref. 16273: Ø 250mm Ref. 16323: Ø 300mm	On request



WOVEN

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

FLOCKED

They are **classified according to their type, length, density and grade of flock, as well as flock support and bonding**. Only flocked cloths provide a super-polished finish. They must be used for the shortest possible time in order to avoid pull-out of inclusions.

NON-WOVEN

Mixture of various fibres impregnated with plastic, elastomer, latex... and often subject to mechano-chemical treatments. They are used on very hard materials in order to get a high removal rate and for the finishing of light alloys. They are an extension of metallographic methods for finishing of high precision surfaces such as glass, quartz, sapphire and semi-conductors.