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POLISHING CLOTHS AQUA LAM RANGE

FOR CONVENTIONAL ABRASIVES






AQUA LAM proposes a range of polishing cloths dedicated to aspect polishing and to any high precision polishing. Specially directed towards industrial applications of optical and optoelectronic materials as well as non-ferrous metals, ceramics, crystals or plastics, the AQUA LAM polishing cloths find their applications wherever the constraints involve the use of specific abrasives different from diamond.

Confronted with the permanent evolution of materials and constraints, the AQUA LAM polishing cloths are designed to produce optimum results and to comply with today's requirements.



Type	Structure		Characteristics	Sample
LAM 1203 AL	Non-woven	MR + F +++ FoR +++	Very resilient non-woven fabric, can be used with all abrasives. Gives the machined materials a nice shine and glanze effect. Low removal ratio. For conventional and mechanical-chemical abrasives : diamond, boron carbide, alumina, colloidal silicon.	
LAM 1207 AL	Brush	MR ++ F + FoR +	Very efficient hard brush for stock removal. Quick smooth grinding or deburring of all materials. Accepts marked deviations in flatness. Recommended for abrasives grit 6 µ or over.	
LAM 1208 AL	Soft fibres	MR + F ++ FoR +++	Can be used on any material, including optical materials. Exceptional polishing quality. Marked abrasive versatility (cerium, opaline, allumina). Very hardwearing. Remarkable value for money.	
LAM 1209 AL	Soft flocked	MR+ F + FoR +++	Soft resilient flocked material. Can be used with all crystalline abrasives grit 6 µ or less.	
LAM 1423 AL	Felt 5 mm thick	MR + F + FoR +++	100% carbonised pure wool without finish. Standard thickness 5 mm, but available up to 100 mm, density : 0.44 (delicate polishing). Versions with or without adhesive (to be specified when ordering). Suitable for aspect polishing in the fields of optics, metals, jewellery, plastics, rocks, woods.	

(MR) Material removal - (F) Flatness - (FoR) Finish or Roughness - (n.u.) not usable

Type	Structure		Characteristics	Sample
LAM 1424 AL	Felt 5 mm thick	MR + F ++ FoR ++	100% carbonised pure wool without finish. Standard thickness 5 mm, but available up to 100 mm, density 0.52 (relative flatness restoration). Versions with or without adhesive (to be specified when ordering). Suitable for aspect polishing in the fields of optics, metals, jewellery, plastics, rocks, woods.	 *
LAM 1434 AL	Felt 1 mm thick	MR + F + FoR +++	Extra quality billiard baize type felt. Aspect polishing the fields of optics, jewellery, plastics, metallurgy, etc...	
LAM 5300 AL	Non-woven	MR ++ F ++ FoR +++	Pad made up of coated fibres with high soft resin rates. Not very waterproof, but high wettability threshold.	
LAM 5450 AL	Non-woven	MR +++ F ++ FoR +++	Developed for precision polishing. As it is extremely thick with active fibres (0.8 mm) it is exceptionally hardwearing. Also suitable for abrasive or cutting materials. Works with all abrasives.	
LAM Strawberry AL	Specific woven	MR ++ F ++ FoR +++	High-density fibres with predetermined direction. Suitable for mechanical-chemical superfinishing and diamond abrasives with ultra-hard metals. Stands up well to abrasion. Very well adapted to silicon polishing.	

(MR) Material removal - (F) Flatness - (FoR) Finish or Roughness - (n.u.) not usable

* Due to its size, the sample shown is different from the actual sample.

REFERENCE AND DIAMETERS OF AQUA LAM POLISHING CLOTHS (Boxes of 10 pcs) :

Ø in mm	Type 1203 Reference	Type 1207 Reference	Type 1208 Reference	Type 1209 Reference	Type 1423 Reference
200	422 203 150	411 207 150	411 208 150	411 209 150	423 201 150
300	422 203 250	411 207 250	411 208 250	411 209 250	423 201 250
350	422 203 300	411 207 300	411 208 300	411 209 300	423 201 300
381	422 203 330	411 207 330	411 208 330	411 209 330	423 201 330
400	422 203 350	411 207 350	411 208 350	411 209 350	423 201 350
610		411 207 500	411 208 500	411 209 500	423 201 500
700		411 207 600	411 208 600	411 209 600	423 201 600

Ø in mm	Type 1424 Reference	Type 1434 Reference	Type 5300 Reference	Type 5450 Reference	Type Strawberry Reference
200	423 301 150	434 401 150	411 203 150	411 204 150	411 206 150
300	423 301 250	434 401 250	411 203 250	411 204 250	411 206 250
350	423 301 300	434 401 300	411 203 300	411 204 300	411 206 300
381	423 301 330	434 401 330	411 203 330	411 204 330	411 206 330
400	423 301 350	434 401 350	411 203 350	411 204 350	411 206 350
610	423 301 500	434 401 500	411 203 500	411 204 500	411 206 500
700	423 301 600	434 401 600	411 203 600	411 204 600	411 206 600

On request AQUA LAM is able to supply all types of diameters and sizes.

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