

TECHNICAL DATA

Polishing cloths

	Application area	Polishing cloth *	Cloth type	Fabric	Resilience	Hardness	Abrasive/Grain size	Surface diameter sizes
	Coarse polishing of soft metals. Fine polishing of hard materials	MD-Plan DP-Plan		Coated, woven polyester	Very low	Hard	Diamond / 15 - 3 µm	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Coarse polishing of soft metals. Fine polishing of hard and brittle materials	MD-Pan DP-Pan		Impregnated non-woven technical textile	Very low	Hard	Diamond / 15 - 1 µm	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Coarse and fine polishing of ferrous metals and non-ferrous metals, coatings and plastics	MD-Sat DP-Sat		Woven acetate	Medium	Hard	Diamond / 9 - 3 µm	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 ""
	Coarse and fine polishing of all materials	MD-Dac DP-Dac		Satin woven acetat	Medium	Hard	Diamond / 9 - 3 µm	32 mm / 1,25 "" 200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Coarse and fine polishing of ferrous and non-ferrous metals, coatings, ceramics and plastics	MD-Dur DP-Dur		Satin woven natural silk	Medium	Hard	Diamond / 9 - 1 µm	32 mm / 1,25 "" 200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Fine polishing of ferrous and non-ferrous metals and polymers	MD-Mol DP-Mol		Taffeta woven 100% wool	High	Soft	Diamond / ≤ 3 µm	32 mm / 1,25 "" 200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Fine polishing of ferrous and non-ferrous metals and polymers	MD-Mol APS MD-Mol APS is developed for fully automated preperation equipment		Taffeta woven 100% wool	High	Soft	Diamond / ≤ 3 µm	300 mm /12 "" 350 mm/ 14 ""****
	Fine polishing of sintered carbides and steels	MD-Plus DP-Plus		Synthetic nap	High	Soft	Diamond / 3 µm	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Fine and ultra-fine polishing of all materials	MD-Floc DP-Floc		Synthetic nap	Very High	Very Soft	Diamond, oxide polishing / ≤ 3 µm	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****

*MD cloths are attached directly on to a Magnetic disc, DP/OP cloths are selfadhesive.

** Only available in MD version

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Polishing cloths

	Application Area	Polishing cloth *	Cloth type	Fabric	Resilience	Hardness	Abrasive/Grain size	Surface diameter sizes
	Fine and ultra-fine polishing of all materials	MD-Nap DP-Nap		Synthetic short nap	Very High	Very Soft	Diamond, oxide polishing / $\leq 1 \mu\text{m}$	32 mm / 1,25 "" 200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Ultra-fine polishing of all materials	MD-Chem OP-Chem		Porous neoprene	High	Soft	Oxide polishing / $< 1 \mu\text{m}$	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 "" 350 mm/ 14 ""****
	Ultra-fine polishing of all materials	MD-Chem NonStick MD-Chem NonStick has a groove pattern to avoid suction of large specimens		Porous neoprene	High	Soft	Oxide polishing / $< 1 \mu\text{m}$	300 mm /12 ""
	Used with alumina powder and demineralized water	Polishing cloth *	Cloth type	Fabric	Resilience	Hardness	Abrasive/Grain size	Surface diameter sizes
	Coarse, fine and and ultra-fine polishing of ferrous metals	OP-Nat		Napped wool felt	High	Soft	Alumina / $\leq 9 \mu\text{m}$	200 mm/8 "" 250 mm/ 10 "" 300 mm /12 ""
	Coarse, fine and and ultra-fine polishing of non-ferrous metals	OP-Felt		Non-woven thick felt	High	Soft	Alumina / $\leq 9 \mu\text{m}$	32 mm / 1,25 "" 200 mm/8 "" 250 mm/ 10 "" 300 mm /12 ""

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Napped cloth

Napped cloth – “with raised fibres“

Acts like a soft cloth due to the flattening of the nap during use. Use short nap cloths for final polishing ($< 1 \mu\text{m}$), or long nap cloths to withstand high pressure polishing ($< 3 \mu\text{m}$) on hard materials.

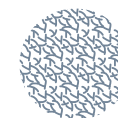


Woven cloth

Woven cloth – “with interlocked threads“

Woven cloths can be hard or soft, depending on the thread material; for example, acetate is hard – wool is soft.

Hard woven cloths are for the polishing of harder materials with 3, 6, or $9 \mu\text{m}$. Soft woven cloths use smaller abrasives and are for softer materials.



Non-woven cloth

Non-woven cloth – “with entangled fibers“

Non-woven cloths come in two types - porous cloth structures for final polishing ($< 1 \mu\text{m}$) and dense cloth structures for low resilience purposes, for example on composites, and also for use with larger abrasives.

Adaptor for magnetic disc

Adaptor	Description	Surface diameter sizes
	MD-Rondo Adapter for use with self adhesive consumables on the MD-disc. For easy exchange of consumables	200 mm / 8" 250 mm / 10" 300 mm / 12"