The inventor of the abrasive mop disc

Since their market launch, the KLINGSPOR abrasive mop disc has successfully taken the place of the grinding disc in many areas of surface finishing.

The performance of the abrasive mop disc, with its fan-shaped radial arrangement of cloth grinding flaps, far exceeds that of other abrasive products.

KLINGSPOR abrasive mop discs are made of zirconia alumina, ceramic, or aluminium oxide coated flaps fastened to glass fibre-reinforced or glass-fibre backing plates.

The even arrangement of the flaps guarantees high flexibility, constant high grinding performance and low-vibrations.

Material / Application	Metal universal / steel		Stainless steel (INOX), high-alloy stainless steel, NF-metals		Aluminium, NF-metals		Paint, varnishes, plastics, wood	
	Type	Page	Type	Page	Type	Page	Type	Page
Finish grinding	SMT 616 Extra	184	SMT 628 Supra	189	SMT 631 Special	191		
	SMT 618 Extra	185	SMT 645 Supra	192				
	SMT 628 Supra	189	SMT 625 Special	190				
	SMT 645 Supra	192	SMT 631 Special	191				
	SMT 625 Special	190	SMT 688 Special	193				
	SMT 688 Special	193	SMT 698 Special	194				
			SMT 800 Special	195				
Welded seam work	SMT 615 Extra	184	SMT 624 Supra	186	SMT 627 Supra	188		
	SMT 619 Extra	185	SMT 626 Supra	187	SMT 630 Special	191		
	SMT 624 Supra	186	SMT 627 Supra	188				
	SMT 626 Supra	187	SMT 630 Special	191				
	SMT 656 Special	193	SMT 696 Special	194				
	SMT 850 plus Special	195						
Edge work; bevelling	SMT 615 Extra	184	SMT 624 Supra	186	SMT 630 Special	191	SMT 627 Supra	188
	SMT 619 Extra	185	SMT 626 Supra	187				
	SMT 624 Supra	186	SMT 630 Special	191				
	SMT 626 Supra	187	SMT 656 Special	193				
	SMT 627 Supra	188	SMT 696 Special	194				
	SMT 656 Special	193						
Concave fillet weld work	SMT 688 Special	193	SMT 688 Special	193				
			MFW 600 Special	196				
Rust and varnish removal	SMT 800 Special	195	SMT 800 Special	195	SMT 800 Special	195	NCD 200 Special	196
	NCD 200 Special	196	NCD 200 Special	196	NCD 200 Special	196	PW 2000	197
	PW 2000	197	PW 2000	197	PW 2000	197		
Heat tinting and oxide film removal			SMT 800 Special	195	SMT 800 Special	195		
			NCD 200 Special	196	NCD 200 Special	196		
			PW 2000	197	PW 2000	197		

The safe use of KLINGSPOR abrasives

KLINGSPOR abrasive mop discs are manufactured according to the oSa and EN13743 standards, this ensures the highest level of user safety.


Wear safety googles or glasses to protect the eyes


Wear safety gloves to protect hands


Wear a dust mask


Observe safety instructions


Use ear muffs


Do not use for wet grinding


Correctly mounted


Incorrectly mounted

Material

Red bar

Label indicates the max. peripheral speed of 80 m/s

Safety recommendations

Language neutral safety pictograms and oSa label

Dimensions

Product dimensions in millimetre and inch

Punch ring

Manufacturer information, no expiry date!

Product name

Type

Quality class

Extra / Supra / Special

Safety recommendations

Language neutral pictograms

Cat. number

Grit size

Product groups

KLINGSPOR offers three integrated product groups. For each user and application we offer the right abrasive mop disc.

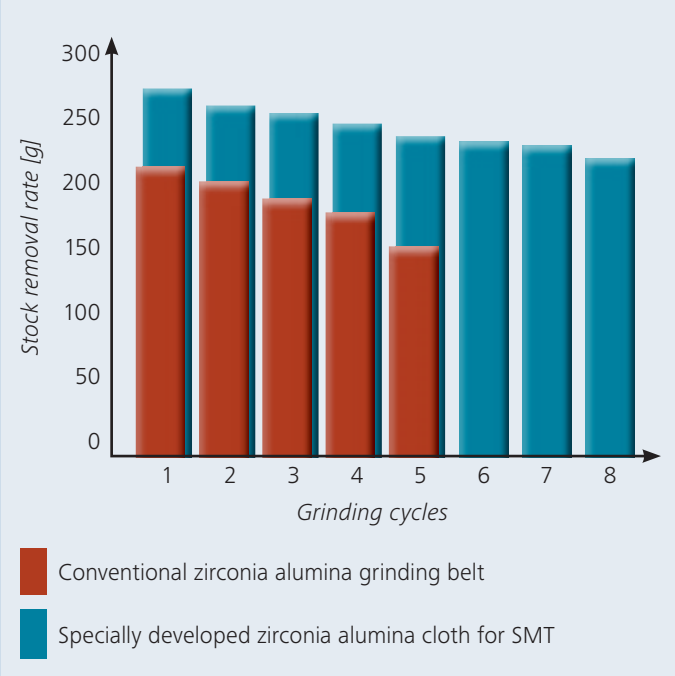
All abrasive mop discs are manufactured according to the applicable standards and guarantee the highest degree of safety.

Product group	EXTRA	SUPRA	SPECIAL
			
Application	Ideal price / performance ratio for universal implementation. Excellent grinding results on different steel materials.	Professional products with excellent service life and high stock removal rate. Aggressive grinding and long service life.	High performance products for special industrial and trade applications. High performance and service life even when used intensively.

Coated abrasives

Compared to belt applications the coated abrasives for abrasive mop discs withstand much higher loads. On the one hand, the cutting speed of abrasive mop discs is approx. 2 to 2.5 times faster than the cutting rate of a belt application, on the other hand the backing must wear down to ensure that new, unused grit is used.

KLINGSPOR has developed special coated abrasives specifically for this product group. These are developed specifically for high-powered angle grinders (80 m/s) and ensures top grinding performance and long services lives (see diagram).



Zirconia alumina cloth

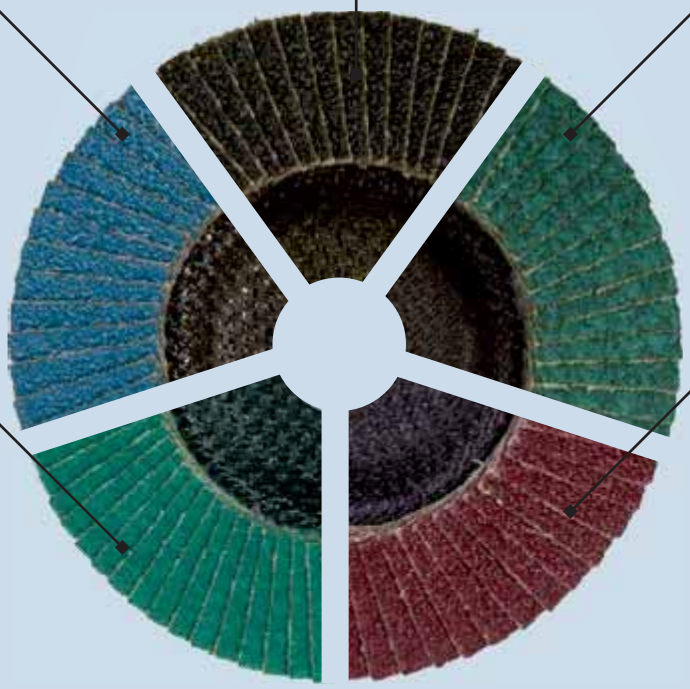
- zirconia alumina grit
- heavy cotton polyester cloth
- best performance with high-power machines

Zirconia alumina cloth

- aggressive zirconia alumina grit
- robust cotton polyester backing
- for high stock removal

Ceramic aluminium oxide + Multibond

- ceramic high performance grit
- robust polyester backing
- high performance for stainless steel work
- cool grinding on stainless steel surfaces



Zirconia alumina + Multibond

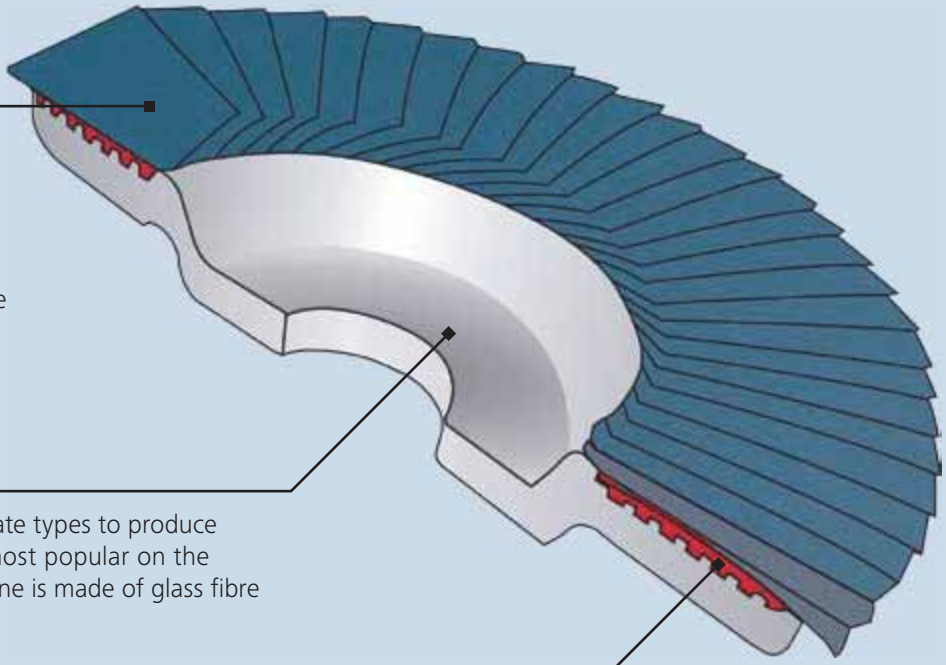
- self-sharpening zirconia alumina grit
- cotton backing
- specially for cool grinding on stainless steel

Aluminium oxide cloth

- durable grit aluminium oxide
- cotton cloth
- for use with metal and NF-metals

Product structure

The three abrasive mop disc components are perfectly integrated to achieve maximum performance.



Grinding flaps

KLINGSPOR has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high-speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service live.

Backing plate

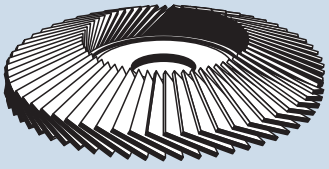
KLINGSPOR uses two different backing plate types to produce grinding mop discs. The first one is the most popular on the market made of glass fabric; the second one is made of glass fibre reinforced plastic.

Glue

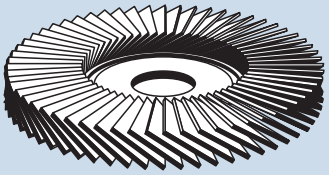
The glue (adhesive) is the joint between the backing plate and the grinding flaps. It ensures that the grinding flaps cannot come off the backing plate if used properly. It also ensures break prevention far above the guidelines of the oSa directives and the EN 13743 safety standard.

Form

The convex abrasive mop disc grinds a narrower surface than the flat abrasive mop disc. The more selective use of the convex disc achieves a greater stock removal rate per time unit as compared to the flat mop disc. The convex abrasive mop disc is particularly suited to working on edges and welded seams. The flat disc is primarily used for flat and surface grinding.



convex



flat