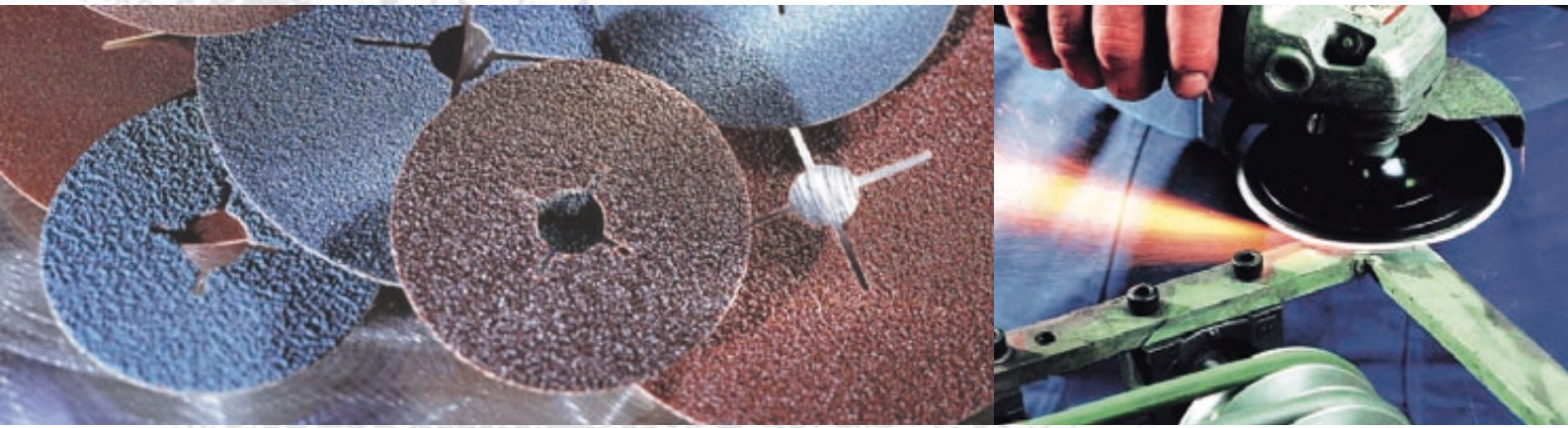


QUALITY ABRASIVES



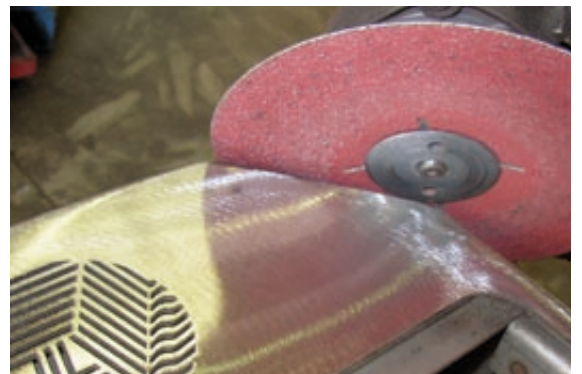
VSM High performance fibre discs

VSM High performance fibre discs in operation



Application examples:

- **Smoothing out or polishing welded seams**
- **Deburring operations of cast parts**
- **Evening out welded seams, spot weldings and braze-sections**
- **Edge and surface grinding**
- **Grinding down imperfections**
- **Smoothing and polishing**



Your benefit:

Aggressive stock removal

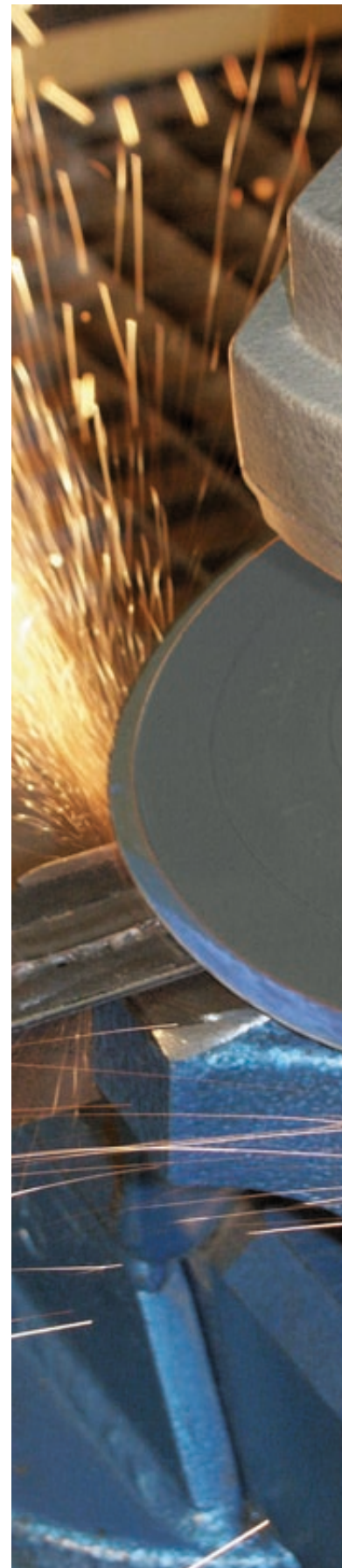
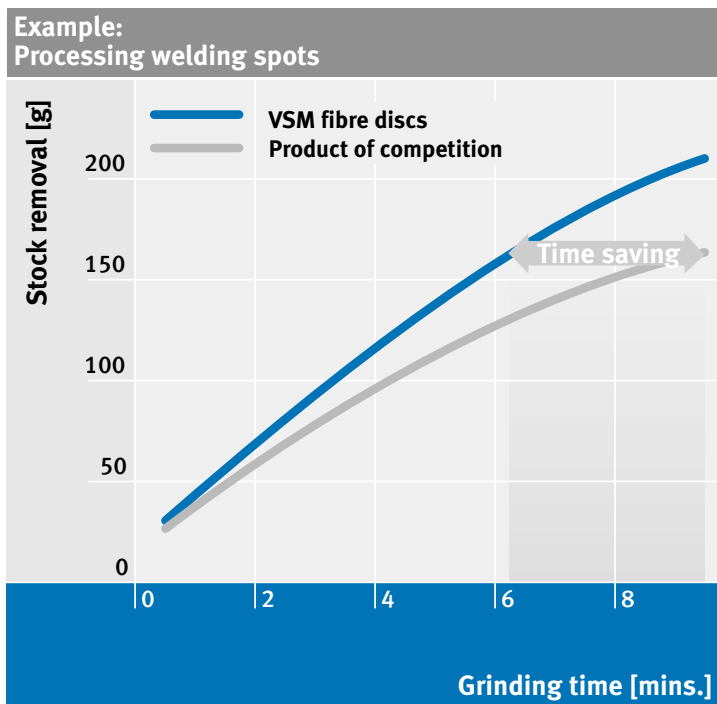
- because of the grain's **excellent cutting properties** (particularly with the self-sharpening ceramic and zirconia alumina series)
- because of perfect coating and special coating technique

Very long service life

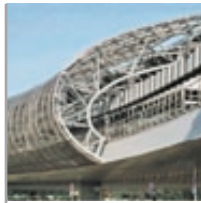
- because **grain bonds superbly** with backing material
- because of **self-sharpening grain** when grinding (ceramic, zirconia alumina and compactgrain)
- because of the additional layer (in Top Size products)

Excellent surface quality

- because of totally **smooth operation**
- because of **special shapes** (e.g. rosette shape) due to special edge flexibility
- because of **thickness of the fibre disc which matches the grains**



VSM High performance fibre discs in operation



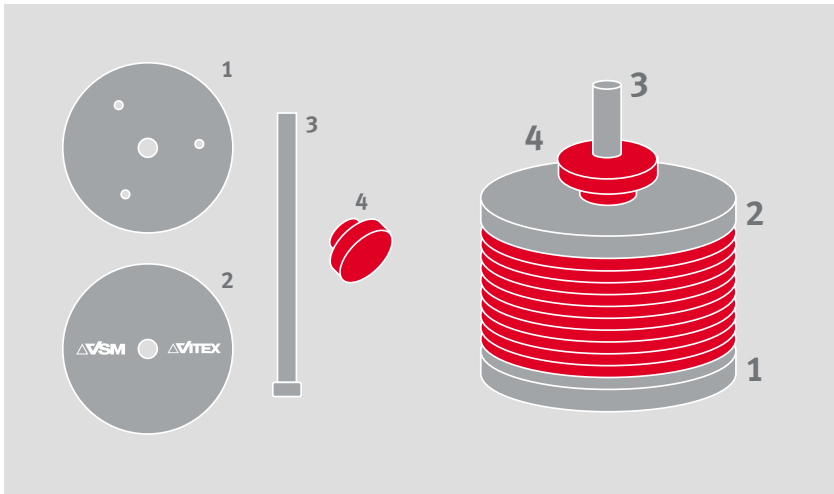
Steel rolling mills	Steel construction	Ship propellers	Grey cast iron and steel castings	Aluminium casts	Automotive industry	Contour of steel
Grinding out faults	Smoothing/ evening out welded seams, processing forged components	Tolerance and fine grinding of multi-purpose bronze and brass	Smoothing machine supports, containers, casings	Grinding sprues, deburring jobs with grinding grease	Deburring, smoothing out welded seams, spot welds, hard soldered areas	Smoothing welded joints, Welding and s...
●	●	●	●			●
		●				●
●	●		●	●	●	●
					●	
●	●	●	●	●	●	●

Key	● Suitable for the application	CER Ceramic grain	COM-AO Compactgrain aluminium oxide
		ZA Zirconia alumina	COM-SIC Compactgrain silicon carbide
		AO Aluminium oxide	▼ Top Size Additional layer for cooler grinding and higher cutting rate
		SIC Silicon carbide	



Containers made of stainless steel	Steel radiators	Artificial and natural stone	Grit	Grain type	VSM series
Smoothing of seams, grinding edges of surfaces	Smoothing of butt welds, edge welds	Smoothing and polishing, grinding of surfaces (steps, windowsills)			
	●		24, 36 – 120	CER ▼Top Size	VSM XF870
			24, 36 – 120	CER	VSM XF760
	●		24, 36 – 80	ZA ▼Top Size	VSM ZF844
			24, 36 – 80	ZA	VSM ZF745
			24, 36 – 120	ZA	VSM ZF714
			24, 36 – 120	ZA	VSM ZF713
			120 – 180	COM-AO	VSM KF 736
	●		36, 50 – 220	AO ▼Top Size	VSM KF 808
			16, 24 – 150	AO	VSM KF 708
		●	16, 24, 36, 60 – 120	SIC	VSM SF 08

VSM fibre disc holders



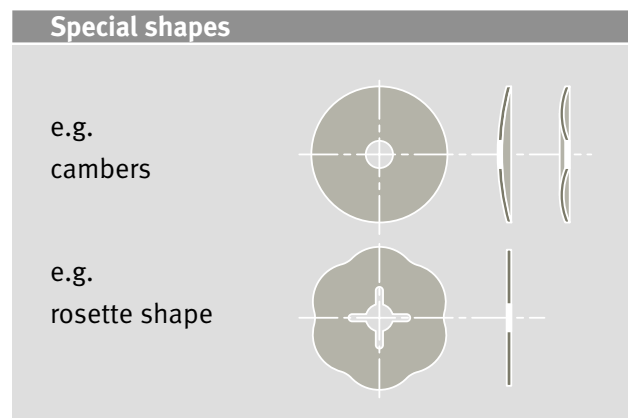
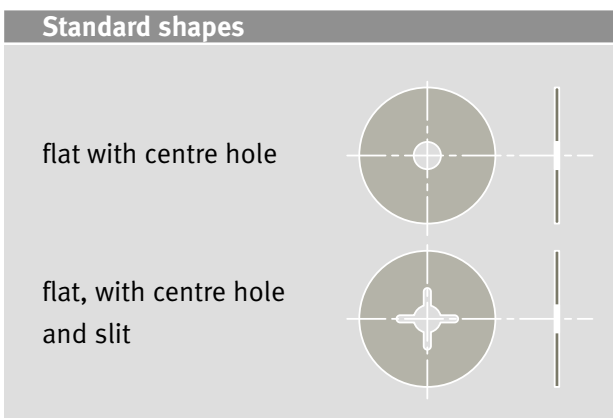
For storing discs up to \varnothing 235 mm with centre hole of \varnothing 22 mm.

- tightly fixed preventing fibre disc distorting
- fibre discs kept tidily at the workplace

Consists of:

- 1 x bottom plate with fixing hole (1)
- 1 x top plate (2)
- 1 x spindle (3)
- 1 x hand knob (4)

Dimensions and fibre disc shapes



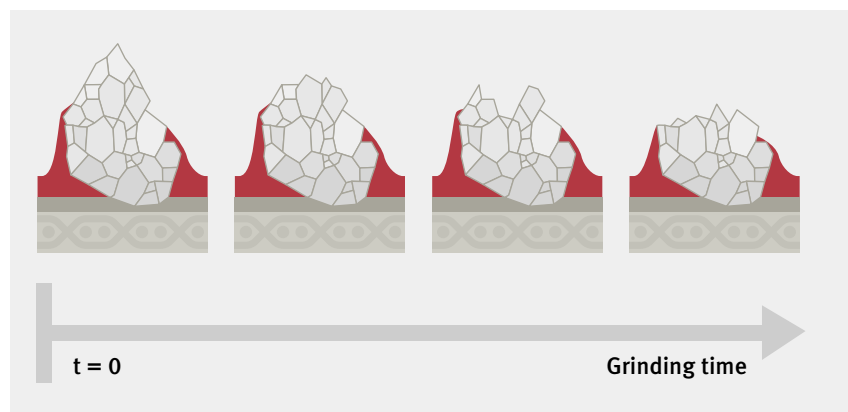
Standard dimensions [mm]

D	d
100	16
115	22
125	22
150	22
180	22

High-tech fibre discs: structure and self-sharpening process of the grain

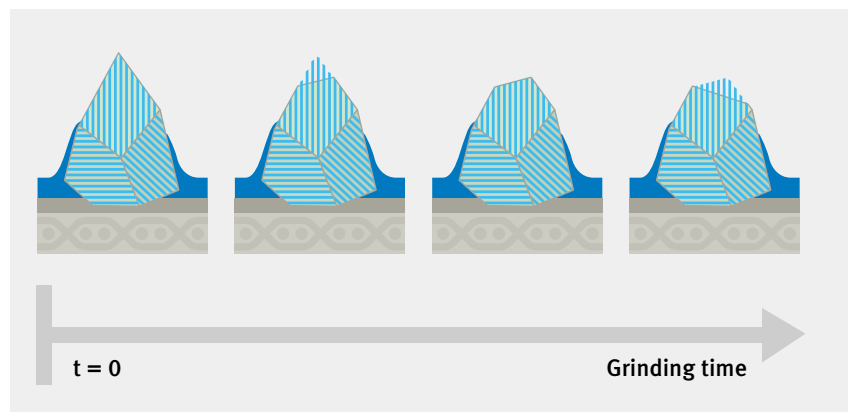
CERAMIC GRAIN (CER)

- high level of stock removal
- long service life
- continuous self-sharpening
- cool grinding
- for hard work pieces



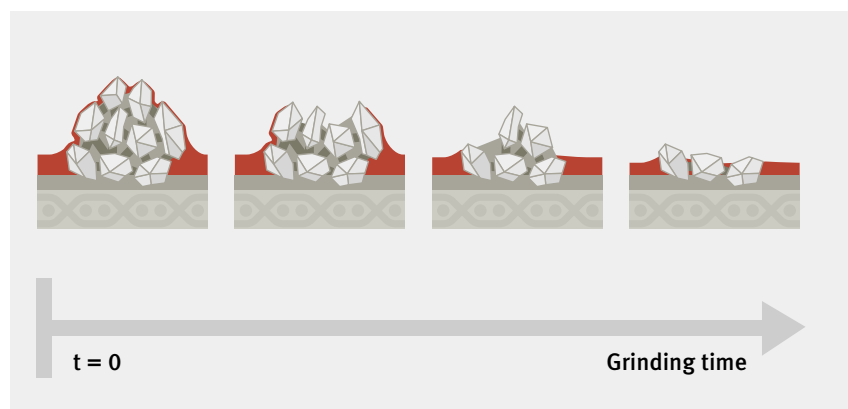
ZIRCONIA ALUMINA (ZA)

- high level of stock removal
- long service life
- continuous self-sharpening



COMPACTGRAIN (COM)

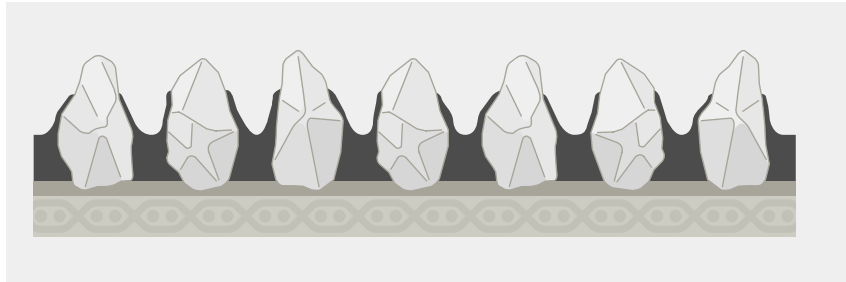
- even stock removal
- fine surfaces
- continuous self-sharpening
- consistent surface roughness during its entire service life



High-quality fibre discs: grain structure

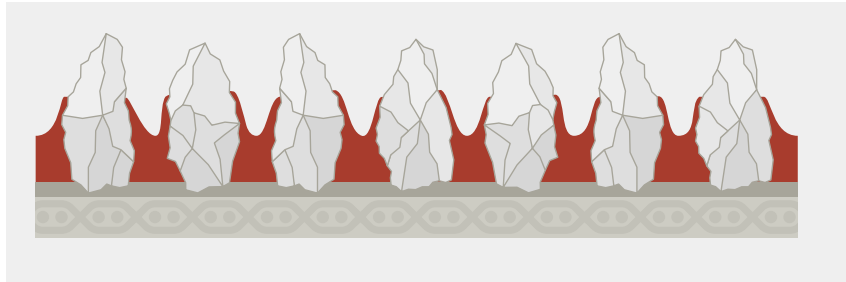
SILICON CARBIDE (SiC)

- very hard
- ideal for grinding glass, minerals, ceramics, china, stone, titanium, varnishes, brass, bronze and steel (especially steel sheets)



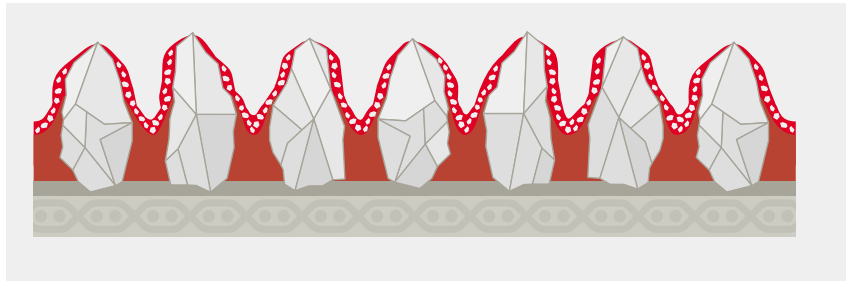
ALUMINIUM OXIDE (AlO)

- very hard and sufficiently tough
- universal grain for grinding metals



ADDITIONAL LAYER (TOP SIZE)

- for cooler grinding
- for higher cutting rate



ISO 9001:



Organisation für die
Sicherheit von Schleif-
werkzeugen e.V.

As an OSA member (Organisation for the Promotion of Safe Grinding Products), we are committed to complying with European CEN standards (for grinding products based on CEN standard prEN 13743:1999). We also subject our products to other, more rigorous testing specifications, thereby contributing to accident prevention and industrial safety in the user's manufacturing operation. For more information on the OSA, please ask for our information brochure from your VSM sales outlet.

Our addresses can be found at:
www.vsmag.de

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