



ACTIROX

ABRASIVE GRAIN IN TOP FORM

The plus in grinding performance





ACTIROX **MAXIMUM** **STOCK REMOVAL.** **FASTER** **CUT.**

Does the dirty work for you

The **ACTIROX** series offers the ideal abrasives for all coarse grinding applications: From bevelling and deburring to removing weld seams and mill scale.

All this and more besides is much easier with **VSM ACTIROX** abrasives. Six series in the 36+, 60+ and 80+ grain spectrum are ready for action!

Made for metal. Made for experts. Made in Germany.

The plus in grinding performance

Practice has shown that **ACTIROX** abrasives have a **higher abrasive performance** than comparable conventional abrasives – with a consistent surface finish.

You achieve **higher stock removal** than you would expect with the specified grit size, but you do not get a rougher surface. A real plus for your grinding process.

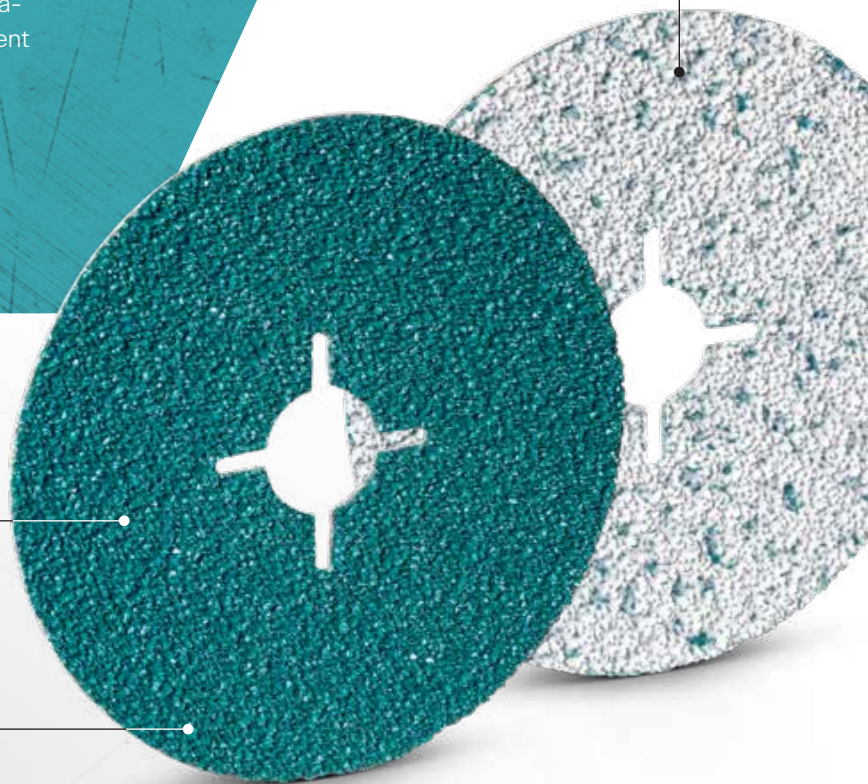


Cool grinding with no tarnishing and with a **very long service life**



Maximum stock removal per time unit thanks to **geometrically shaped ceramic grain**

ALU-X
Improved chip clearance – also when grinding aluminium



Your grinding task

Deburring



Bevelling



Levelling of welded seams



Cleaning



Removal of imperfections



Grinding of cast parts



Weld seam preparation

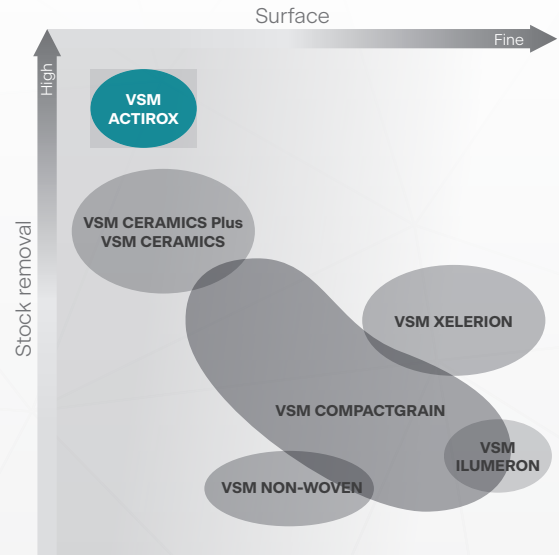


Removal of burn marks

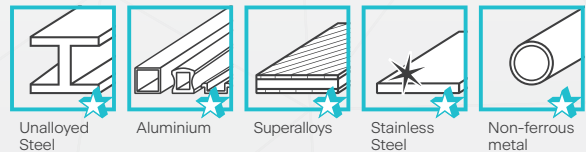
ACTIROX



Very short processing times thanks to **faster grinding** compared to conventional ceramic grain abrasives



Developed for...



VSM ACTIROX products



	VSM Series	Rolls (max. width)	Wide belts	Narrow belts	Discs	Backing	Features	Stainless steel	Unalloyed steel	Superalloys	Aluminium	Non-ferrous metal	20+	24+	36+	40+	50+	60+	80+	100+	120+	150+	180+	240+	320+	400+
	AK890Y	1,480 mm	○	○		Cloth	TOP SIZE											+		+	+					
NEW	AK895Y	1,480 mm	●	●		Cloth	TOP SIZE											+								
	AF733	1,470 mm			●	Fibre	ALU-X											+		+	+					
	AF890	1,470 mm			●	Fibre	TOP SIZE											+		+	+					
NEW	AF979	1,470 mm			●	Fibre												+								
	AF799	1,470 mm			●	Fibre												+		+	+					

○ for low to medium contact pressure
● for medium to high contact pressure
● for high to very high contact pressure
◇ also suitable for wet grinding

TOP SIZE
grinding-active additional layer reduces the temperature in the grinding zone



Grinding-active additional layer, significantly reduces chip adhesion

Last revised: 06/2026

Flexibility of the backing material
(last letter of the series name):
Y very sturdy

Abrasive grain – shaped to perfection

The **ACTIROX** series offers the ideal abrasives for all coarse grinding applications: From bevelling and deburring to removing weld seams and mill scale. All this and more besides is much easier

with **VSM ACTIROX** abrasives. Why? The geometrically shaped, upright abrasive grain achieves a very aggressive and fast cut – with maximum stock removal.



The geometrically shaped ceramic abrasive grain breaks down in a defined manner and thus continuously produces new sharp cutting edges



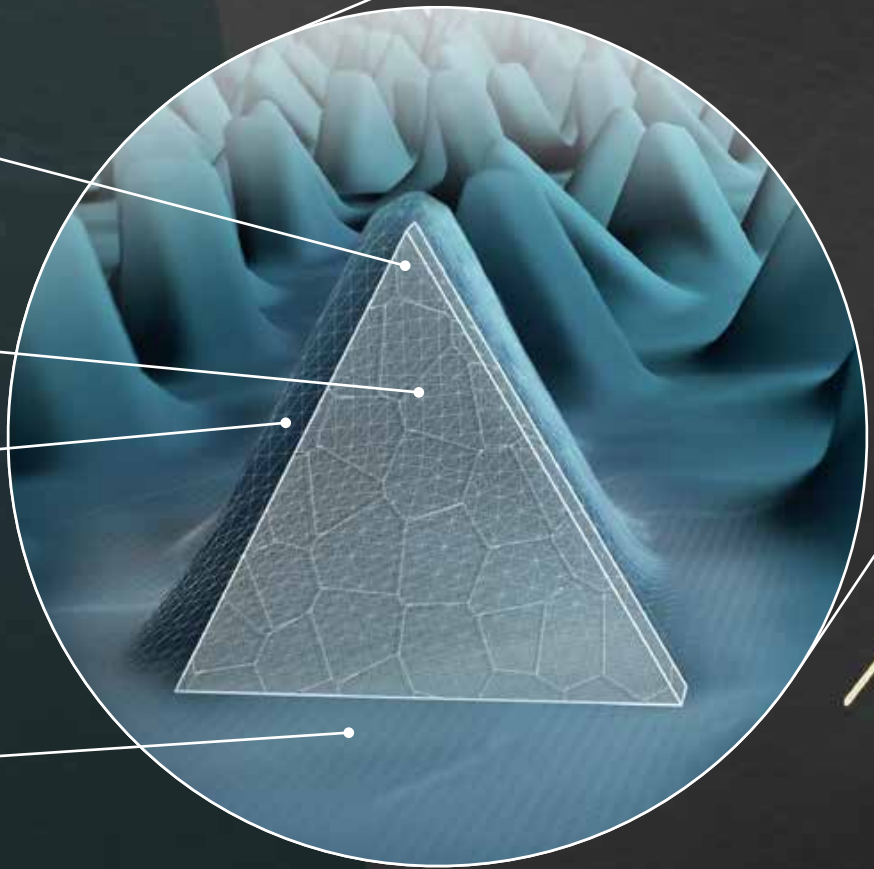
Aligned abrasive grain for aggressive and faster grinding



Enhanced machining capacity and reduced temperature in the grinding area thanks to the VSM TOP SIZE grinding-active additional layer



The ALU-X additional layer significantly reduces chip adhesion during grinding of non-ferrous metals



ACTPROX



For all hard cases

The new **ACTIROX AF979** and **AK895Y** series are our secret weapon for all hard cases.

Lasts longer and gets more done: The new **ACTIROX AK895Y abrasive belt** and the **AF979 fibre disc** have an extremely long service life – ensuring maximum stock removal, of course. Both series are particularly effective in **heavy-duty applications**, i.e. grinding processes with the highest contact pressures.



Case studies

Weld seam levelling, stainless steel



Workpiece	Weld seam
Material	Stainless steel
Contact element	<i>VSM Turbo Pad 3</i>
Speed	8,500 rpm
Power	1,550 W
Feed	Manual
Series	VSM ACTIROX AF890
Disc diameter	125 mm
Grit size	36+

> **Result:** Significantly increased productivity, since up to 70 % more workpieces are processed per shift

Grinding of cast parts



Workpiece	Cast parts
Material	Titanium alloy (ti al 6242)
Contact wheel	Ø=350 mm, 85° Shore A, 6:10 serration
Cutting speed	11 m/s
Feed	Manual
Series	VSM ACTIROX AK890Y
Belt dimensions	70 × 3,500 mm
Grit size	36+
Auxiliary materials	none

> **Result:** 15% more stock removal compared to the previous leading abrasive

Processing of cut edges



Workpiece	Plasma-cut components
Material	S355JR
Contact element	<i>VSM Turbo Pad 3</i>
Speed	12,000 rpm
Power	1,800 W
Feed	Manual
Series	VSM ACTIROX AF979
Disc diameter	125 mm
Grit size	36+

> **Result:** 50% more stock removal compared to the previous leading abrasive

By experts for experts



Would you like to find out more about ACTIROX,
or request samples without obligation?

Call us on:

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Or send us an email:

sales@vsmabrasives.com

We impart expert knowledge and give comprehensive
practical tips in our **webinars** and **seminars**:



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www.actirox.com



VSM – More than just three letters

VSM stands for competence, quality and customer orientation.

Very few others understand grinding processes like we do. Not only do we grind every surface to precision, we also analyse the specific grinding applications of our customers so that we can always find the best, long-term solution. Process-related expertise is one of the distinguishing features of VSM.

We know abrasives

Because we understand them. VSM develops and produces all the main preliminary products such as backing fabrics, resinoid bonds and abrasive grains at its Hanover site. By doing so, we fulfil our high, self-imposed requirements in industry, the commercial and trade sector. The continuous development of further grain compositions, their refinement and processing ensures that VSM remains one of the most experienced manufacturers of ceramic grain worldwide.

Application-based expertise

We see the entire grinding processes of our customers as a challenge. A global network of VSM specialists provides expert advice wherever it is needed irrespective

of whether your company is large or small. Thanks to our close collaboration with machine manufacturers, cutting fluid experts and research institutes, we ensure that our customers can benefit from technological trends as soon as possible.

We make our expertise available for you

The VSM Competence Center (CC) in Hanover provides an opportunity for product training, seminars and extensive application tests. Customer applications can be adjusted and results reviewed. This service from VSM reduces downtimes and productivity losses for our customers.

Certified and recognized world-wide

VSM has been certified to ISO standard 9001:2008 as its basis for quality assurance for many years. In addition, it is a member of FEPA, oSa and the German Abrasives Association (VDS).



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