



ACTIROX

**ABRASIVE GRAIN
IN TOP SHAPE**

The plus in grinding performance





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

Does the dirty work for you

The ACTIROX series offers the ideal abrasive for all coarse grinding applications.

From beveling and deburring to removing weld seams and mill scale, ACTIROX's six series are ready for action!

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



Improved chip production – particularly when grinding aluminum

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.

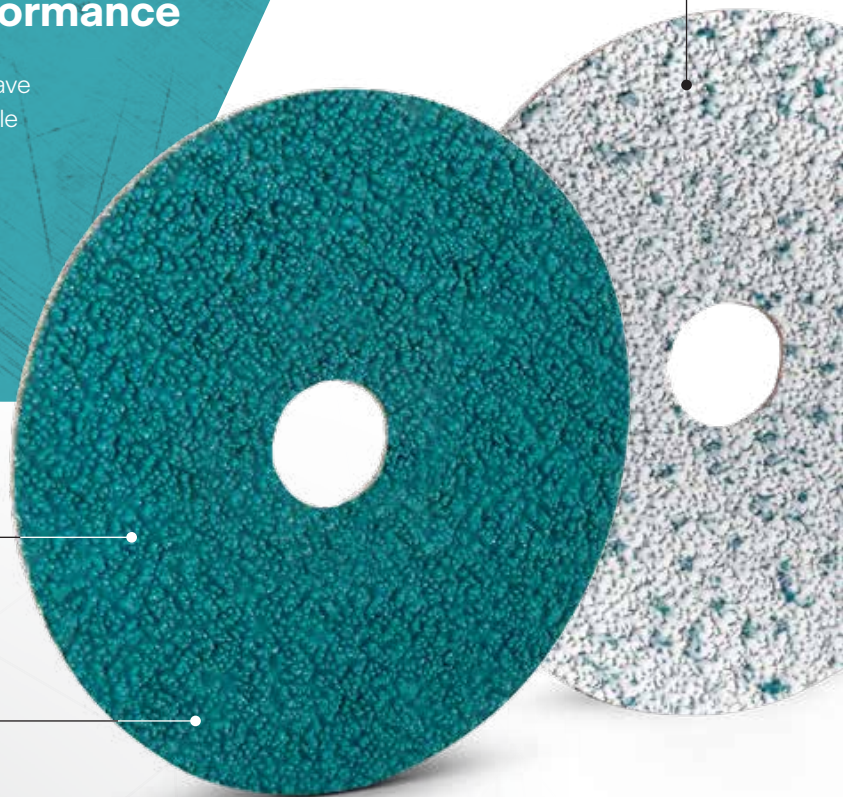
Achieve **higher stock removal** than expected with standard grit sizes without a rougher surface. A real plus for your grinding process.



Cool grinding with no discoloration and with a **long service life**



Maximum stock removal rate thanks to **geometrically shaped ceramic grain**



Your grinding task

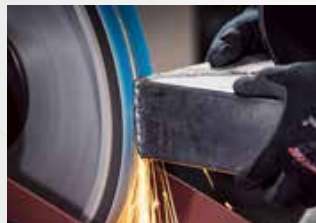
Deburring



Beveling



Leveling of welded seams



Cleaning



Removal of imperfections



Grinding of cast parts



Weld seam preparation

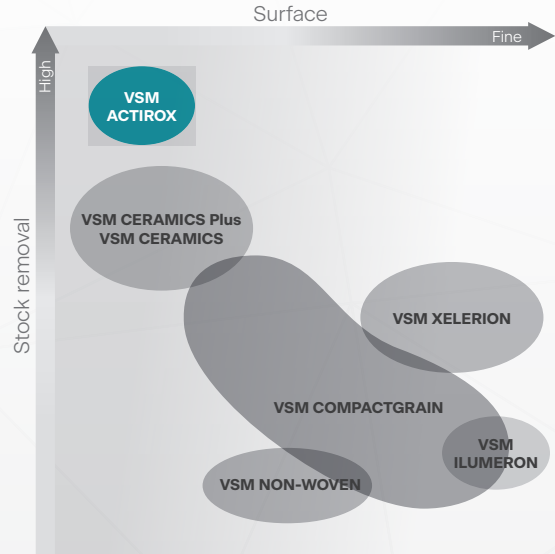
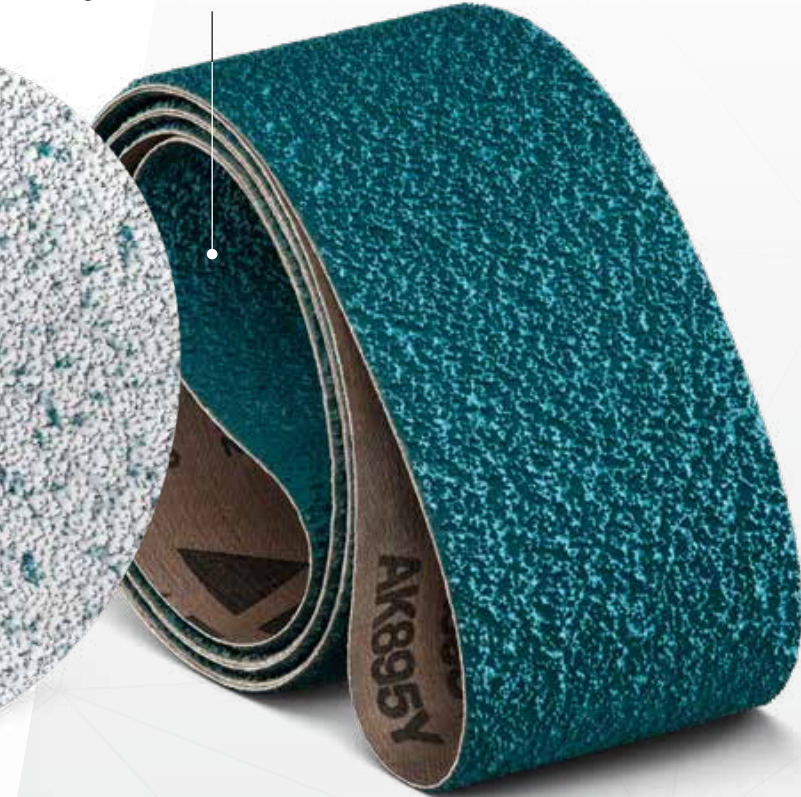


Removal of burn marks

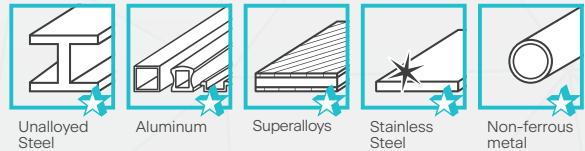
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Very short processing times thanks to **faster grinding** compared to conventional ceramic grain abrasives



Developed for...



VSM ACTIROX products



VSM Series	Rolls (max. width)	Wide belts	Narrow belts	Discs	Quick change	Backing	Features	Stainless steel	Unalloyed steel	Superalloys	Aluminum	Non-ferrous metal	20+	24+	36+	40+	50+	60+	80+	100+	120+	150+	180+	240+	320+	400+
NEW AK890Y	58 in.	○	○		○	Cloth	▼ TOP SIZE ◊																			
NEW AK895Y	58 in.	●	●			Cloth	▼ TOP SIZE ◊																			
AF733				●		Fiber	ALU-X																			
AF799				●		Fiber																				
AF890				●	●	Fiber	▼ TOP SIZE																			
NEW AF979				●		Fiber																				

- 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

ALU-X 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

For years, VSM ceramic grain abrasives have been synonymous with high stock removal rates and a long service life: this is due to their unique self-sharpening effect.

VSM ACTIROX is the name of the latest generation of abrasives for optimal stock removal. Thanks to the geometrically shaped abrasive grains, it achieves aggressive and quick grinding for maximum stock removal.



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



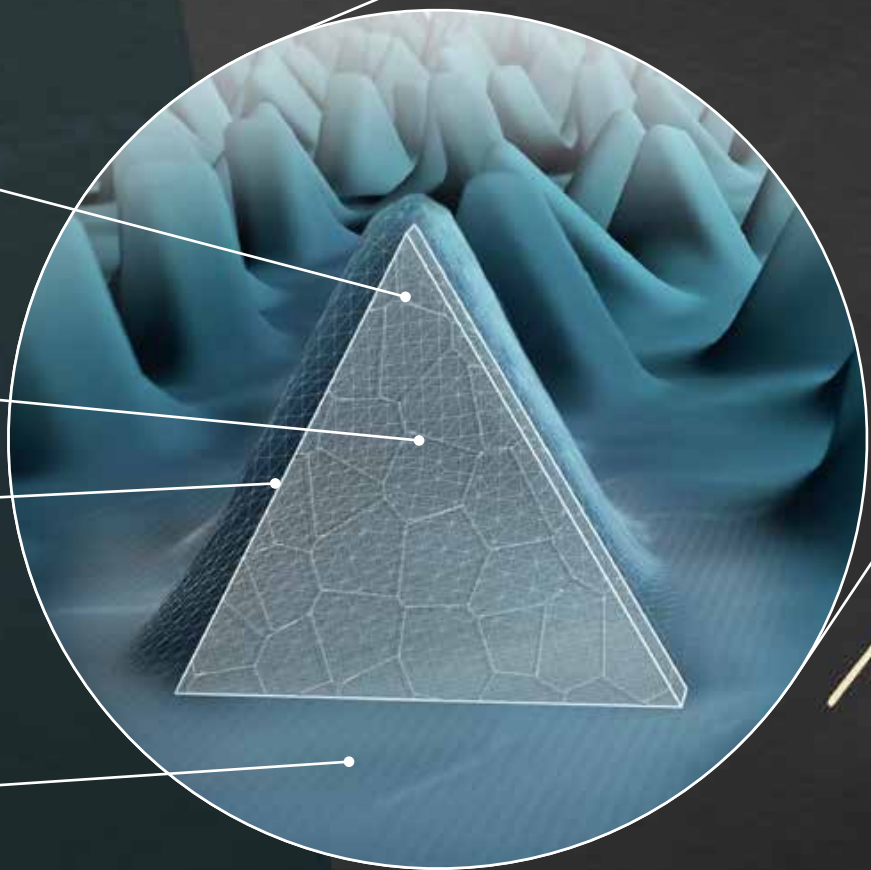
Aligned abrasives grain placement for aggressive and faster grinding



Enhanced grinding 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



ACTIROX



For extreme applications

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

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



Case studies

Weld seam leveling, stainless steel



Workpiece	Weld seam
Material	Stainless steel
Contact element	Back up pad, extra hard
Speed	8,500 rpm
Power	1,550 W
Feed	Manual
Series	VSM ACTIROX AF890
Disc diameter	5" x 7/8"
Grit size	36+

> **Result:** Significantly increased productivity, 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=14", 85° Shore A, 6:10 serration
Cutting speed	11 m/s
Feed	Manual
Series	VSM ACTIROX AK890Y
Belt dimensions	2 3/4 " x 138"
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	Back up pad, extra hard
Speed	12,000 rpm
Power	1,800 W
Feed	Manual
Series	VSM ACTIROX AF979
Disc diameter	5 x 7/8"
Grit size	36+

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

From X-PERTS for X-PERTS



Would you like to find out more about ACTIROX,
or request samples?

Call us at:
800 737 0176

Or send us an email:
us.info@vsmabrasives.com

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



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service/seminars](https://vsmabrasives.com/en/service/seminars)

us.actirox.com



VSM – More than just three letters

VSM stands for competence, quality and customer service.

Few others understand grinding processes like we do. Not only do we grind every surface to precision, we also analyze 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

VSM develops and produces all the main components such as backing fabrics, resin bonds and abrasive grains at its Hanover site. By doing so, we fulfill our high, self-imposed requirements in industrial, commercial and trade sectors. 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 all 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.

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 worldwide

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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