



ACTIROX

**ABRASIVE GRAIN
IN TOP SHAPE**

The plus in grinding performance

ACTIROX

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

AK890Y

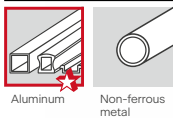
Developed for...



NEW

TOP SIZE

Also suitable for...



AF890

Developed for...



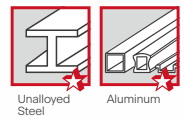
TOP SIZE

Also suitable for...

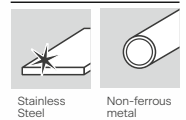


AF799

Developed for...



Also suitable for...



Your grinding task

Deburring



Removal of imperfections

Beveling



Grinding of cast parts

Leveling of welded seams



Weld seam preparation

Cleaning



ACTIROX

significantly increases your productivity

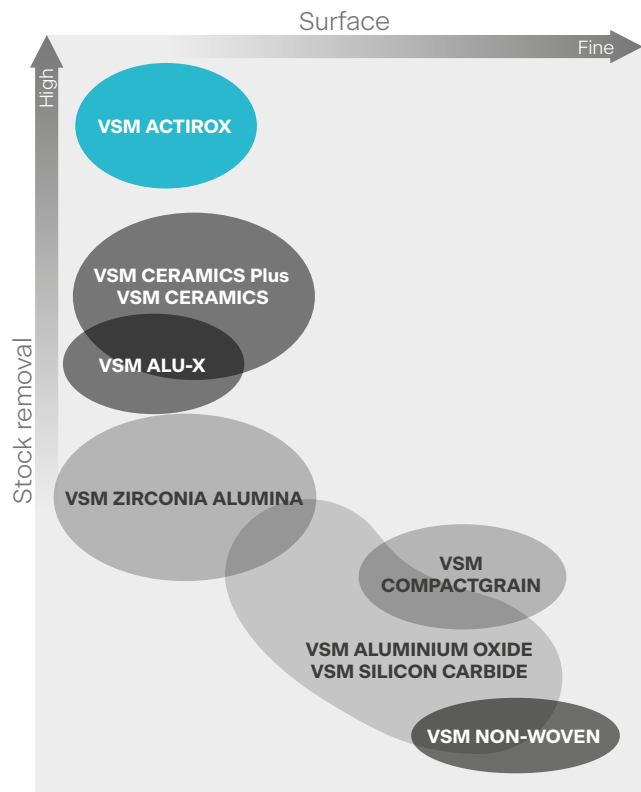
Compelling results in every respect

- > **Maximum stock removal** per time unit thanks to **geometrically shaped ceramic grain**
- > **Very short processing times** thanks to **faster grinding** compared to conventional ceramic grain abrasives
- > **Cool grinding** with no discoloration and with a **very long service life**
- > **Reduced chip loading** – 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.

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



VSM ACTIROX products



	Rolls (max. width)	Wide belts	Narrow belts	Resin discs	Quick change discs	Backing	Grain technology	Features	20+	24+	36+	40+	50+	60+	80+	100+	120+	150+	180+	240+	320+	400+	VSM Series	
NEW	58 in	○	○		●	Cloth	VSM ACTIROX	▼ TOP SIZE ◊			+												AK890Y	
	58 in			●	●	Fiber	VSM ACTIROX	▼ TOP SIZE			+		+	+										AF890
	58 in			●	●	Fiber	VSM ACTIROX				+			+	+									AF799

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

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

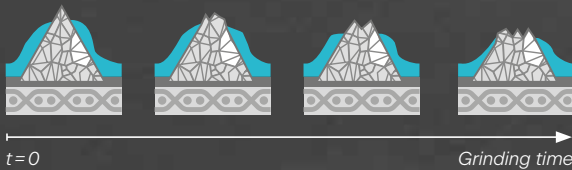
Flexibility of the backing material
 (last letter of the series name):
 Y very sturdy

Last revised: 02/2024

ACTIROX

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 removal rates.



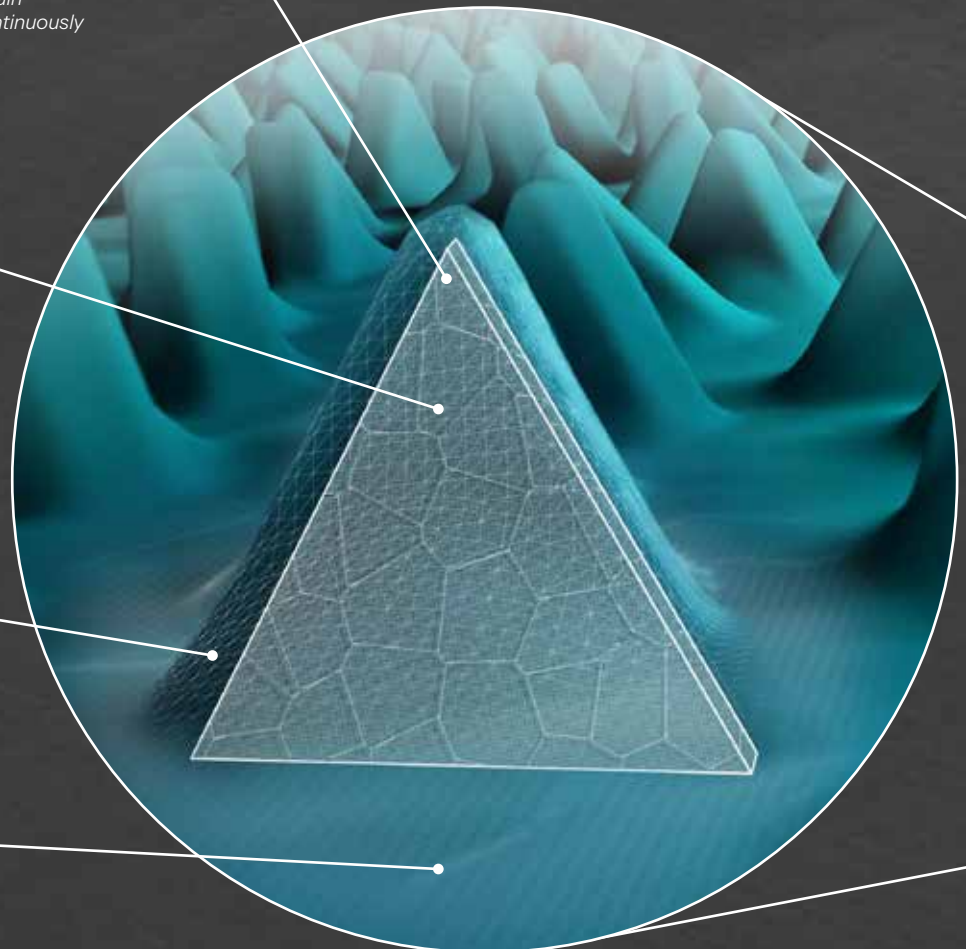
The geometrically shaped ceramic abrasive grain breaks down in a defined manner and thus continuously produces new sharp cutting edges

Aligned abrasive grain for aggressive and faster grinding

TOP SIZE

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

In-house developed fabric backing withstands extreme grinding forces



Abrasive grain in top shape - now also available as a belt!

3 reasons why **AK890Y** should be
an essential part of your operation

1

Maximum stock removal resulting in **lower operating expenses**.

2

Low to medium contact pressures significantly reduce noise and vibrations, and therefore **reduce the strain on operators and machines**.

3

Faster grinding greatly **reduces processing times** – even when deburring and removing sprues or weld seams.



Case studies

15% more stock removal
when grinding castings



Workpiece	Castings
Material	Titanium alloy (Ti AL 6242)
Contact wheel	Ø=350 mm, 85° Shore A, 6:10 cut
Cutting speed	2150 SFM
Feed rate	Manual
Belt dimensions	2 3/4" x 138"
Series	VSM ACTIROX AK890Y
Grit size	36+
Lubricant	None
Result	15% more stock removal compared to the previous leading abrasive

20% more workpieces
per shift when descaling



Workpiece	Forged parts
Material	Chromium vanadium steel
Contact wheel	Ø= 60 mm, PA coating, ~ 60° Shore
Cutting speed	5300 SFM
Feed rate	Manual
Belt dimensions	3 1/8" x 150"
Series	VSM ACTIROX AK890Y
Grit size	36+
Lubricant	None
Result	20% more workpieces compared to the previous leading abrasive



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 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, the 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 the 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 Technical Center (TC) 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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