

KILOTON

ENERPAC
Official Importer

HYDRAULICS / PNEUMATICS / TOOLS / ABRASIVES

Products | Applications | Segments

VSM
WE KNOW ABRASIVES
BY  **PFERD**

ACTIROX
MAXIMUM
STOCK REMOVAL.
FASTER CUT.

VSM ACTIROX

YOU
HAVE TO
SEE IT
TO BELIEVE IT

KILOTON VEREENIGING (Head Office) 64 General Smuts Road, Vereeniging /
7 Levy Street, Hilton, Bloemfontein | **Tel:** 0861 707 707, **E-mail:** sales@kiloton.co.za,
Web: www.kiloton.co.za / www.onlinetoolshop.kiloton.co.za
Mon-Thur: 08:00 - 16:30, **Fri:** 07:30 - 16:00, Closed on Weekends and Public Holidays

ACTIROX

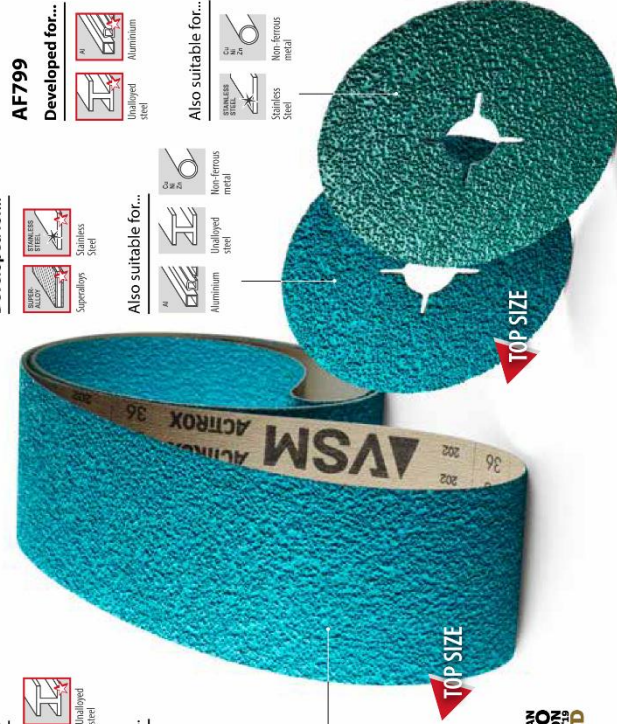
Made for metal. Made for experts.
Made in Germany.

NEW **AK890Y**
Developed for...

Superalloys	Stainless Steel	Unalloyed steel
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AF890
Developed for...

Superalloys	Stainless Steel	Unalloyed steel
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AF799
Developed for...

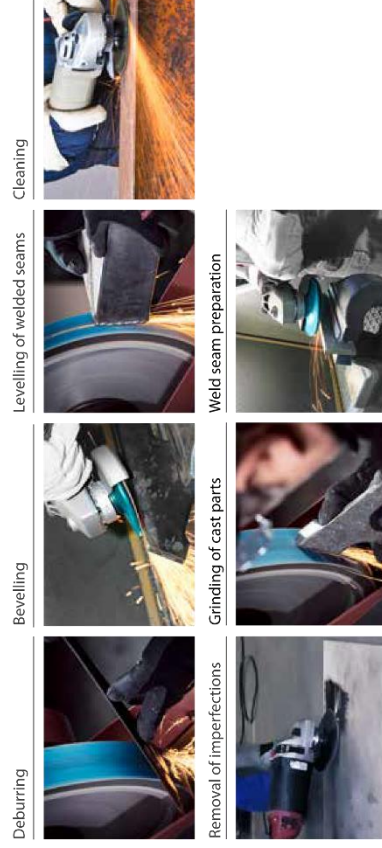
Unalloyed steel	Aluminum
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Also suitable for...

Aluminum	Unalloyed steel	Non-ferrous metal	Stainless Steel
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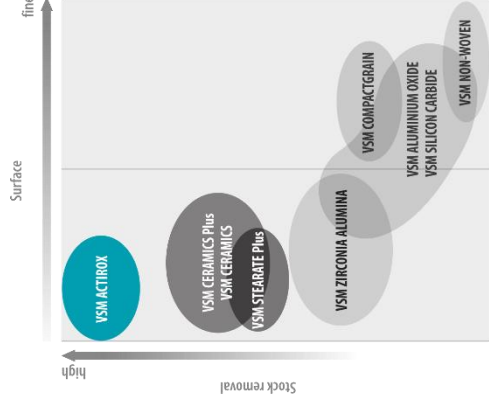
Your grinding operation



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 tarnishing and with a **very long service life**
- > **Improved chip clearance** – also when grinding **aluminium**



VSM ACTIROX products:

Rolls (max. width)	Wide belts	Narrow belts	Discs	Backing	Grain technology	Features
1,480 mm	○	○	○	Cloth	VSM ACTIROX	TOP SIZE, ○
1,470 mm	○	○	●	Fibre	VSM ACTIROX	TOP SIZE, ○
1,470 mm	○	○	●	Fibre	VSM ACTIROX	TOP SIZE, ○

- Legend:**
- 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: 03/2021

ACTIROX

Abrasive grain in top form

For many years, VSM ceramic grain abrasives have been synonymous with very high stock removal rates and a long service life: this is partly thanks 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 very aggressive, quick grinding for maximum removal rates.



t = 0 Grinding time

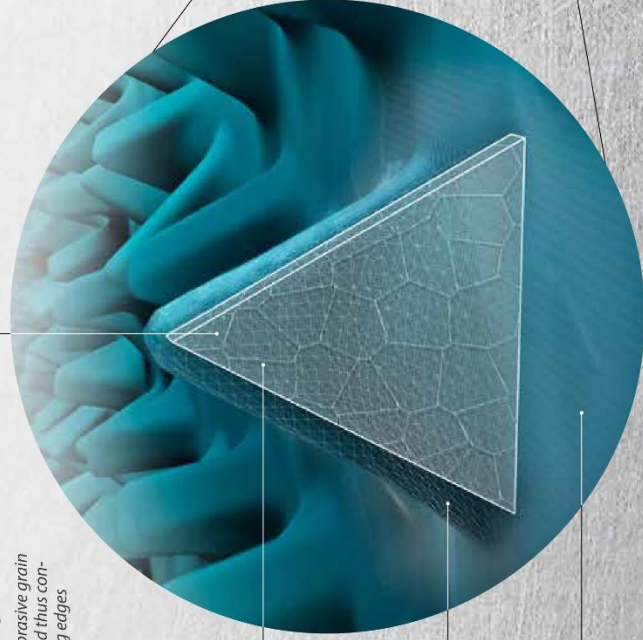
The geometrically shaped ceramic abrasive grain breaks down in a defined manner and thus continuously produces new sharp cutting edges



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

In-house developed fabric backing withstands extreme loading

Aligned abrasive grain for aggressive and faster grinding



ACTIROX is now also available as a belt!

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

- 1 Maximum stock removal** results in **lower operating expenses**, such as energy and storage costs.
- 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



VSM ACTIROX	AK890Y
Workpiece	Castings
Material	Titanium alloy (Ti AL 6242)
Contact wheel	Ø= 350 mm, 85° Shore A, 6:10 cut
Cutting speed	11 m/s
Feed rate	Manual
Belt dimensions	70 × 3,500 mm
Grit size	36
Lubricant	None
Result	15 % more stock removal compared to the previous leading abrasive

20% more workpieces per shift when descaling



VSM ACTIROX	AK890Y
Workpiece	Forged parts
Material	Chrome vanadium steel
Contact wheel	Ø= 60 mm, PA coating, ~ 60° Shore
Cutting speed	27 m/s
Feed rate	Manual
Belt dimensions	80 × 3,800 mm
Grit size	36
Lubricant	None
Result	20 % more workpieces compared to the previous leading abrasive