



**VSM ACTIROX
FIBRE DISCS**

**The latest generation of abrasives
for maximum stock removal**

ACTIROX

For maximum stock removal

Developed for ...



Super-alloys

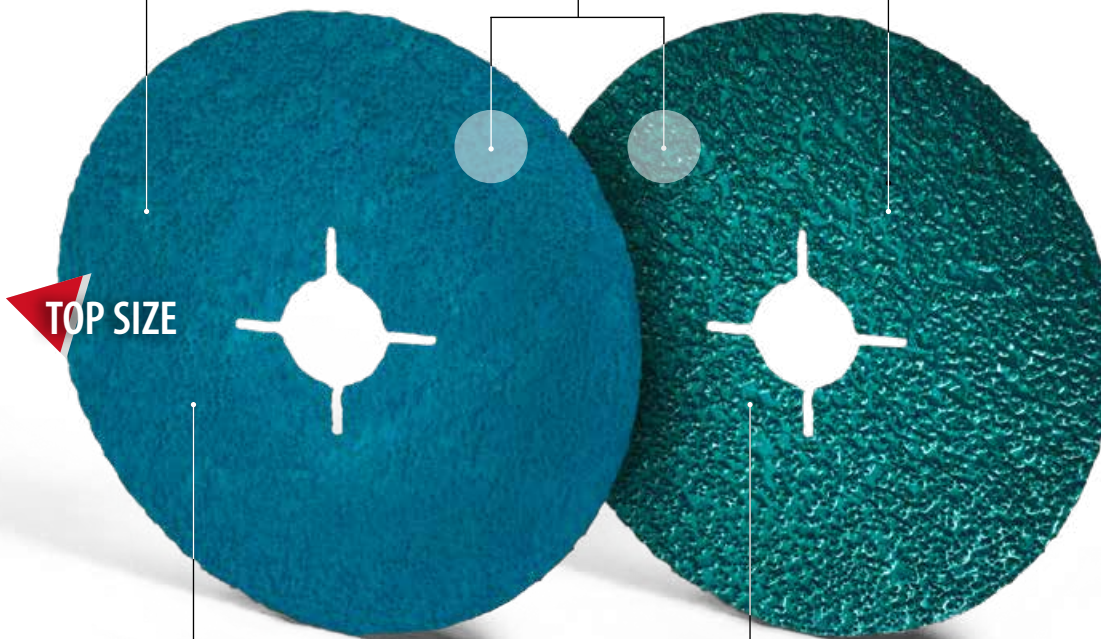
Stainless steel



Developed for ...



Unalloyed steel



VSM ACTIROX
AF890 fibre disc with VSM TOP SIZE

VSM ACTIROX
AF799 fibre disc



Your workpiece

Deburring



Removal of imperfections



Bevelling



Weld seam preparation



Levelling of welded seams



Grinding of cast parts



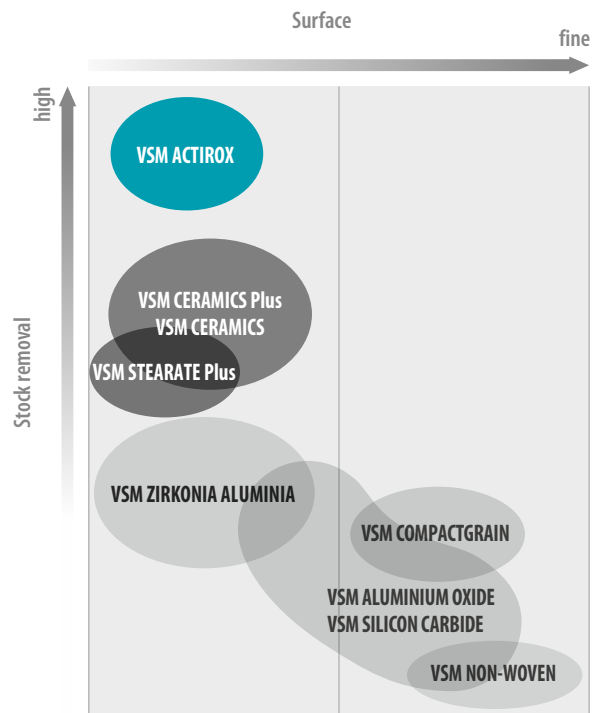
Cleaning



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** and thus **lower operating costs** thanks to faster grinding compared to conventional ceramic grain abrasives
- > **Cool grinding processes** and a **very long service life**
- > VSM can be relied on to always deliver premium quality **made in Germany**



Product overview



| | Rolls (max. width) | Discs | Backing | Grain technology | Features | Stock removal → Surface | | | | | | | | | | | | | VSM series | | | |
|------------|-----------------------|-------|---------|------------------|------------|-------------------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|------------|--|-------|-------|
| | | | | | | 20 | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 240 | 320 | 400 | | | |
| NEW | 1,470 mm | ● | Fibre | VSM ACTIROX | ▼ TOP SIZE | | | ■ | | | | | | | | | | | | | AF890 | |
| NEW | 1,470 mm | ● | Fibre | VSM ACTIROX | | | | ■ | | | | | | | | | | | | | | AF799 |

Legend:

- for medium to high contact pressure
- ▼ **TOP SIZE** Grinding-active additional layer reduces the temperature in the grinding zone

Last revised: 04/2019

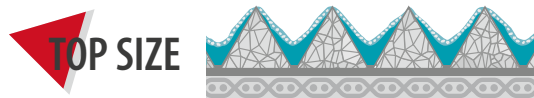
ACTIROX

An abrasive grain in top shape

The new abrasive technology

VSM ceramic grain abrasives have for many years been synonymous with a long service life: One of the reasons is their unique self-sharpening effect.

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



Enhanced machining capacity and reduced temperature in the grinding area thanks to VSM TOP SIZE with the AF890 fibre disc



The geometrically shaped ceramic grain breaks down in a defined fashion constantly producing new sharp edges



Significantly increased productivity due to faster grinding

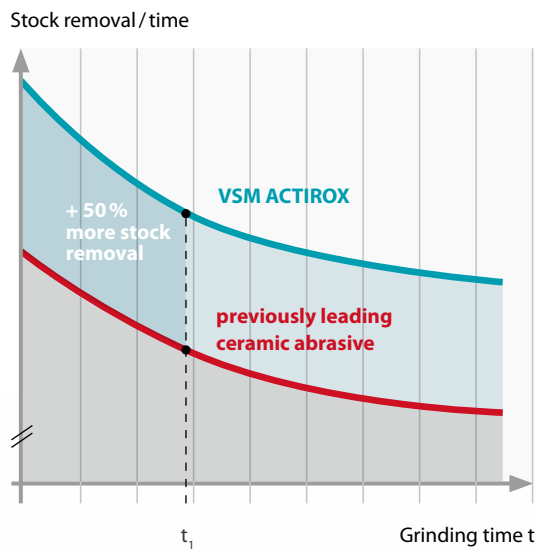


For medium to high contact pressures



The geometrically shaped ceramic grain guarantees maximum stock removal

More workpieces per time unit



 **VSM ceramic grain**
Made in Germany

VSM is **one of only few manufacturers of ceramic grain worldwide and in Germany**. It is thanks to having our own ceramic grain production in Hanover, Germany that we have a decisive influence on the performance of VSM abrasives.

For further information please visit www.actirox.com

Suitable backing pads for ACTIROX

TURBO PAD 1



hard, with cooling fins

TURBO PAD 2



hard, with cooling fins, cambered

TURBO PAD 3



extra hard, with cooling fins, cambered for maximum stock removal with AF890

Case studies

Weld seam levelling, unalloyed steel



| | |
|-------------------------|---|
| VSM ACTIROX | AF799 |
| Workpiece | Welding seam |
| Material | Unalloyed steel |
| Contact element | > <i>VSM TURBO PAD 1</i> |
| Rotational speed | 11,500 rpm |
| Performance | 1,900 W |
| Feed rate | Manual |
| Disc dimensions | Ø 125 mm |
| Grit size | 36 |
| Result | > Twice the stock removal compared to previously used ceramic grain abrasives |

Weld seam levelling, stainless steel



| | |
|-------------------------|--|
| VSM ACTIROX | AF890 |
| Workpiece | Welding seam |
| Material | Stainless steel |
| Contact element | > <i>VSM TURBO PAD 3</i> |
| Rotational speed | 8,500 rpm |
| Performance | 1,550 W |
| Feed rate | Manual |
| Disc dimensions | Ø 125 mm |
| Grit size | 36 |
| Result | > Significantly increased productivity, since up to 70 % more workpieces are processed per shift |





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 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).



A worldwide leader in abrasives.



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