



FLEX THE ZIRCONIA POWER

TOUGH GRAINS, RELENTLESS PERFORMANCE



Aggressive
Cutting Action



Cooler Cutting
Technology



Better
Life

Zirconia Fiber Disc VR 589

VR 589 Fiber Discs are built for speed and endurance on stainless steel, mild steel, and tough alloys. Premium grains cut aggressively, while a next-gen resin bond locks them in for longer life. Active fillers and a heat-reducing topcoat keep grinding cool and consistent, backed by a strong vulcanized fiber for stability under pressure

FEATURES



Premium Zirconia Grain: Delivers fast, aggressive cutting with longer operational life



Next Generation Resin Bond: Enhances grain adhesion and disc integrity under stress



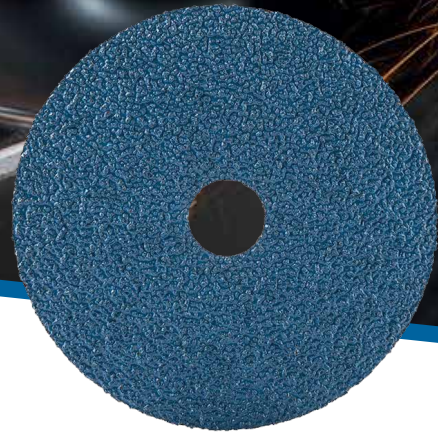
Topcoat Technology: Reduces heat build-up, improves surface finish, and extends disc life



Active Fillers: Enable cooler cutting, reducing workpiece discoloration and operator fatigue



Durable Vulcanized Fiber Backing: Provides strength and stability for extended use



Sizes

4" 4.5" 5" 7"



Suitable for



SS

Grits

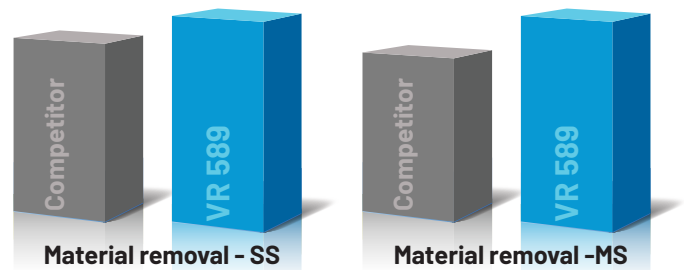
24-120



MS

TEST PARAMETERS

| | |
|--------------|--------------|
| Product | : Fiber disc |
| Size | : 7" |
| Grit | : 36 |
| Material | : SS/MS Weld |
| Mode of Test | : Manual |
| Machine RPM | : 6500 |



20% BETTER GRINDING PERFORMANCE



Flap Disc (SD & HD) XD 583C & XD 581C

XD 583C & XD 581C Flap Discs feature sharp, self-sharpening grains, durable backing, and advanced resin bonding for aggressive cutting and long life. Lightweight design ensures better balance at high RPMs, while active fillers enable cooler cutting—minimizing heat build-up and protecting workpieces during high-pressure grinding on stainless steel and hard alloys.

FEATURES



Premium Self-Sharpener Zirconia Grains enable high stock removal and sustained cutting performance.



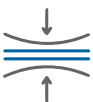
New Generation Resin Bond for better adhesion for enhanced performance and life.



Cooler Cutting Action: Active fillers reduce heat build-up during use.



Sizer Coat Enhances Heat Resistance and prevents burn marks in high-temperature applications.



High Strength Composite Backing ensures structured wear throughout product life.



Sizes
4" 4.5" 5" 7"

Grits
24-120

Suitable for



SS



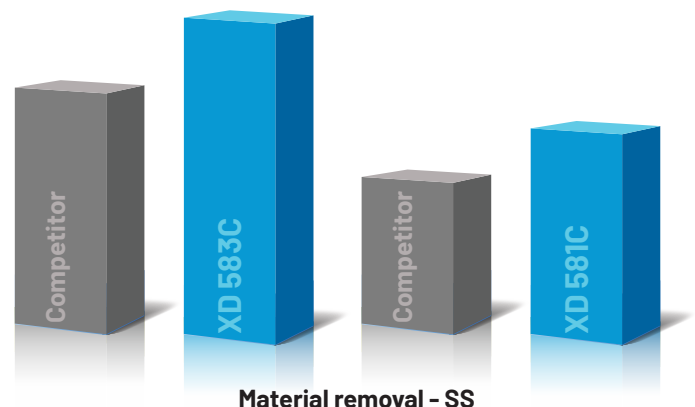
MS

Available Hub: 5/8-11

TEST PARAMETERS

| | |
|--------------|------------------------|
| Mode of Test | : Robotic |
| Size | : Type 29 / 115 X 22mm |
| Grit | : 60 |
| Machine RPM | : 11500 |
| Wattage | : 1550 W |
| Material | : Stainless Steel 10mm |

25% BETTER GRINDING PERFORMANCE

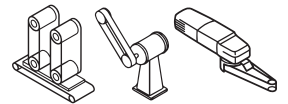


Zirconia Belts ZS 583

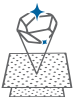
ZS 583 belts are engineered for sustained heavy-duty grinding under high contact pressure. Featuring tough, self-sharpening Zirconia grains, they deliver reliable stock removal, controlled heat, and excellent wear resistance—ideal for demanding metal grinding, deburring, and finishing applications.

Sizes
Custom-Sized

Grits
24-120



FEATURES



Premium Zirconia Grains ensure faster material removal and consistent performance.



Next Generation Resin Bond ensures superior grain retention and enhances life.

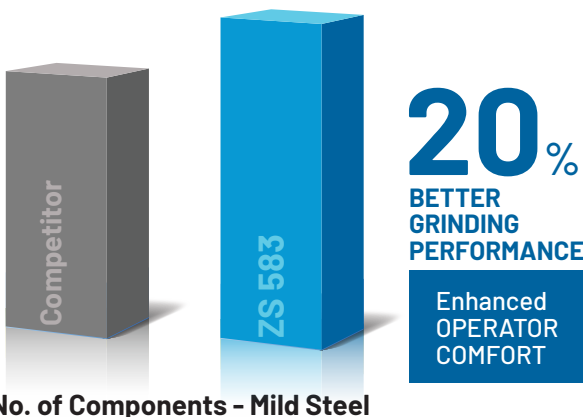


Active Filler promotes cool grinding and enhances belt life.

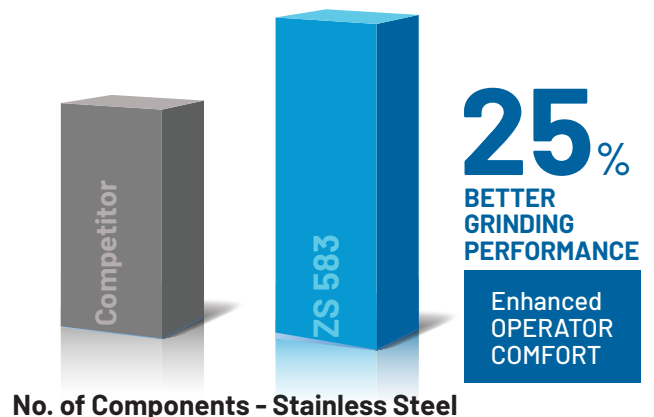


Heavy-Duty Polyester Backing for superior strength and durability

| | Mild Steel | Stainless Steel |
|----------------------|-----------------------------|-------------------------|
| Mode of test | Semi-Automatic | Semi-Automatic & Manual |
| Type | Butt Joint Belt | Butt Joint Belt |
| Grit | 60 | 36 |
| Machine | Semi Automatic Belt Grinder | Pedestal Grinding |
| Industry Application | Hand Tools | Bright Bar |
| Material | Chrome Vanadium | Stainless Steel |



No. of Components - Mild Steel



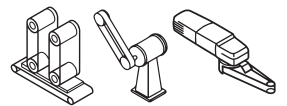
No. of Components - Stainless Steel

Zirconia Topcoat Belt ZS 585

ZS 585 Belts are built with premium grains and next generation resin bond for aggressive, sustained cutting. The medium duty polyester backing enhances durability and heat-reducing top coat minimises loading, making them ideal for stainless steel and other demanding applications.

Sizes
Custom-Sized

Grits
24-120



FEATURES



Premium Grains enable fast, aggressive cutting.



Next Generation Resin Bond ensures strong grain adhesion and extended belt life.



Medium-Density Polyester Backing enhances durability



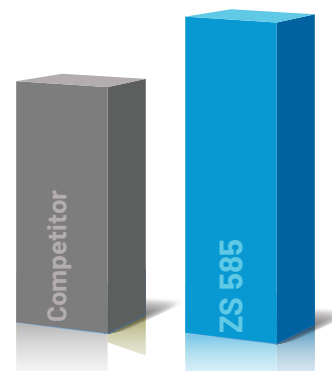
Advanced Top-Coat Technology facilitates cool cutting and boosts cutting efficiency.

TEST PARAMETERS

| | |
|--------------|----------------------|
| Mode of Test | : Manual |
| Type | : Butt Joint Belt |
| Grit | : 36 |
| Machine | : Pedestal Grinder |
| Application | : Investment Casting |
| Material | : Stainless Steel |

20% BETTER
GRINDING
PERFORMANCE

BETTER FINISH

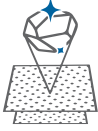


No. of Components - Stainless Steel

CUMI Zirconia Range

Engineered for Aggression

Engineered for high-pressure metal grinding, CUMI's Zirconia abrasives combine self-sharpening grains with exceptional toughness—cutting faster and lasting longer on metals. With an advanced bonding system and active fillers, they ensure cooler cutting, consistent results, and significantly longer life than conventional abrasives.



SHARPER GRAINS FOR EFFICIENT CUTTING

Zirconia grains are self-sharpening, enabling faster cutting through hard-to-grind metals. They retain sharpness longer, ensuring higher material removal rates and improved surface finishes across heavy-duty applications.



ROBUST BONDING SYSTEM

New generation resin bonding system ensures optimal grain anchoring, delivering consistent performance. It also offers excellent resistance to moisture and oils—making it ideal for wet sanding and coolant-supported operations.



COOLER CUTTING TECHNOLOGY

Advanced active fillers in the bonding reduce heat generation during grinding. This not only extends product and workpiece life but also protects heat-sensitive materials like stainless steel and superalloys from thermal damage.



Zirconia Fiber Disc VR 589

Sizes
4" 4.5" 5" 7"

Grits
24 - 120



Flap Disc (SD & HD) XD 583C & XD 581C

Sizes
4" 4.5" 5" 7"

Grits
24 - 120



Available Hub: 5/8-11



Zirconia Belts ZS 583

Sizes
Custom-Sized

Grits
24-120



Zirconia Belts ZS 585

Sizes
Custom-Sized

Grits
24-120



Suitable for **Stainless Steel** | **Mild Steel** | **Aluminium**

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