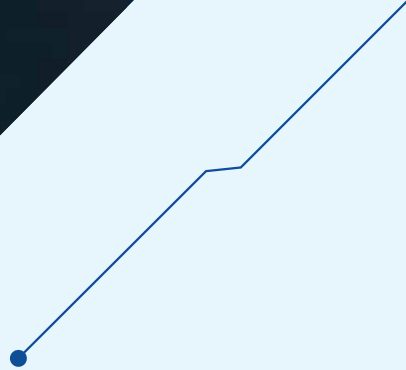




Transforming
surfaces
...and beyond

GENERAL ENGINEERING





CUTTING & GRINDING WHEELS

Grindwell Norton, one of the world's largest abrasives manufacturers, offers a range of cutting and grinding wheels for light to heavy fabrication. These wheels are known for proven performance and fast cutting, providing consistent, long-lasting wheel performance.



ZirKon 7" Grinding Wheel (DCD)

ZirKon DCD comes with Norton's most innovative grain technology and is considered the best-in-class grinding wheel for metal fabrication, especially for stainless-steel & hard to grind materials. The INOX technology ensures that grinding does not contaminate the stainless products.

Features & Benefits

- Premium zirconia grains ensure a superior metal removal rate
- Versatile & optimized for high-frequency angle grinders
- Longer wheel life
- Higher safety





Spitfire Xtreme Range of Grinding & Cut-off Wheels

7" DCD, 7" Cut-off Wheel & 14" Reinforced Cut-off Wheels

Specially designed best-in-class products to achieve high performance and quality.

Features & Benefits

- Fast cutting
- Premium engineered grains with special reinforcements
- Versatile and suitable for small, medium, and heavy fabrication



Xpert Rapid - 5" & 7" Grinding Wheels

Norton Xpert Rapid grinding wheels are designed to deliver superior cut rates and longer wheel life. These wheels are made with specially designed grains suitable for both SS & MS fabrication.

Features & Benefits

- Versatile products with a perfect balance of life and cut rate
- Higher safety
- Low machine maintenance



Xpert Rapid - 7" Cut-off Wheel

Xpert Rapid Cut-off wheels come with premium grains to deliver best cutting performance. These Made-in-India wheels are specially designed for precision cutting and suitable for both SS & MS cutting.

Features & Benefits

- Double fiberglass reinforcement for enhanced safety
- Best in class cut rate
- Low machine maintenance and low power consumption





Champ 4" & 5" Grinding Wheel

Norton Champ Grinding wheels are known for high cut-rate and zero chipping, ideal for light fabrication.

Features & Benefits

- Lightweight for easy operation
- Better surface finish
- High cut-rate and user comfort
- Best value for money product



Champ 7" Cut-Off Wheel

Norton Champ Cut-Off wheels are specially designed for sheet metal cutting, pipe cutting, channel and angle cutting.

Features & Benefits

- Extra safety with a double net construction
- Cost effective
- Best value for money product
- Good cut-rate



14" Chopsaw

Thinner chopsaw for higher cut-rate

Features & Benefits

- Self-sharpening grains enable fast cutting
- Offers high user comfort
- Best value for money product



COATED ABRASIVE PRODUCTS FOR POLISHING & FINISHING

Norton Coated Abrasives deliver performance, versatility, and quality without compromise. Engineered for surface sanding and paint surface sanding.

FIBRE DISCS

Norton vulcanized fibre discs are made with premium-quality zirconia and aluminum oxide grains with strong backing & unique coating process to ensure the best performance for weld removal, deburring, wood sanding & surface blending.



Dia - 4", 5", 7", Grit - 24 to 120

Features & Benefits

- 30% longer life & superior cut-rate
- Versatile for varied applications
- Extremely safe - OSA and EN certified



Dia - 4", 5", 7", Grit - 24 to 120

Features & Benefits

- Strong backing & unique coating process imparts high-quality finish
- Versatile on all work materials
- Extremely safe - OSA & EN certified





PSA & VELCRO DISCS

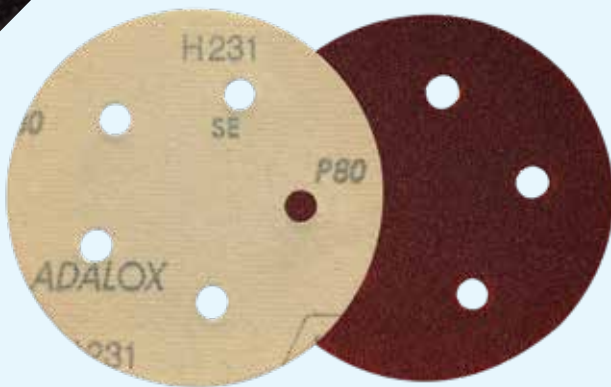


ADALOX H231 - VELCRO DISC

Dia - 5" - 14", Grit - 60 to 400

Features & Benefits

- Tough Aluminum Oxide grains ensure superior product life
- Unique design with heavy paper backing & anti-static properties makes it versatile on raw wood & metal sanding
- Tear resistant & minimizes clogging

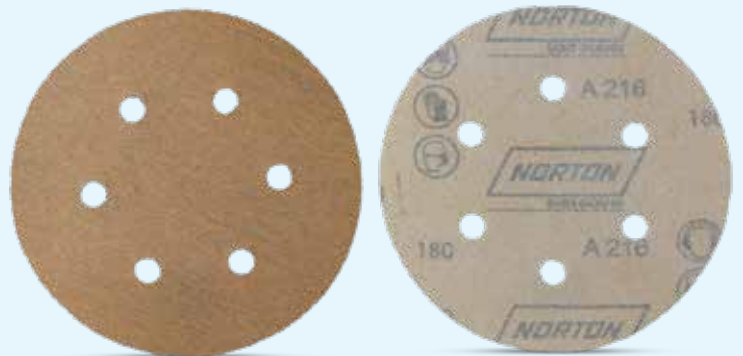


NORTON A216 - VELCRO/PSA DISC

Dia - 5", 6", Grit - 60 to 400

Features & Benefits

- Made with friable & sharp Aluminum Oxide grains
- Strong paper backing & anti-loading properties
- Uniform finish, suitable for use on multiple surfaces
- Excellent Cut Rate





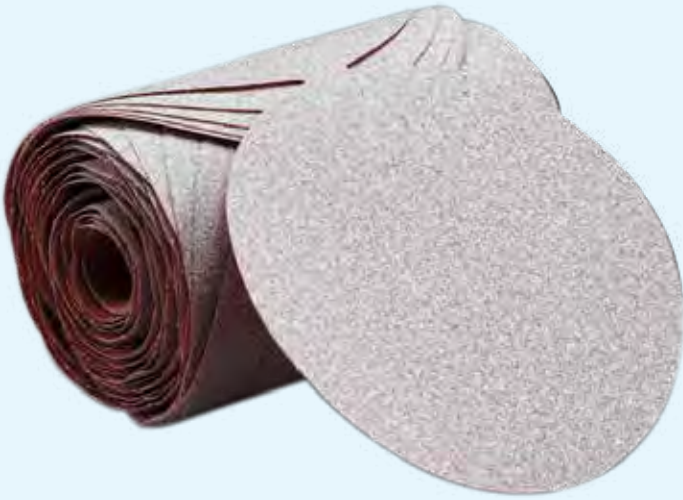
A275 - VELCRO/PSA DISC

Patented P-graded, Heat-Treated Aluminium Oxide abrasive

Dia - 5", 6", Grit - 60 to 400

Features & Benefits

- Unique fiber-reinforced, flexible B-wt latex-saturated backing
- Water-based stearate, non-pigmented, No-Fil coating
- Superior life, fast cut rate, consistent finish 50-60% improvement in tear strength
- Provides maximum load resistance and extended life
- PSA adhesive is protected from air-borne contaminants
- The tab allows easier removal of the paper liner



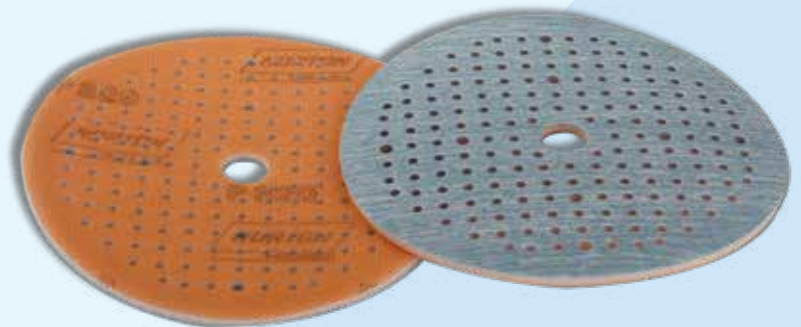
A975 - PSA/VELCRO DISCS

Norton SG ceramic alumina abrasive

Dia - 5", 6", Grit - 80 to 1000

Features & Benefits

- 30% increase in dust extraction; clogging is virtually eliminated
- Cleaner working environment; less dust and contamination
- 35% increase in productivity
- Fastest cut rate; extended life
- Flexible; can be used wet
- Provides maximum load resistance





FILM DISCS



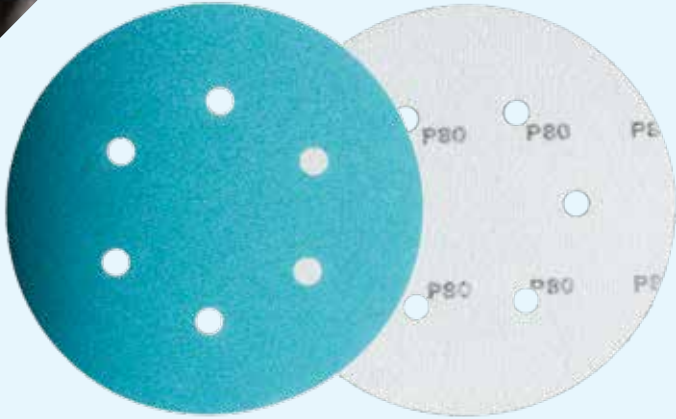
Q216 - PSA/VELCRO FILM DISC

Tough Aluminium Oxide grains offer best-in-class sanding finish. It comes with film backing & anti-loading properties and is versatile for all materials

Dia - 5", 6", Grit - 60 to 2000

Features & Benefits

- Superior cut rate & longer life
- Uniform finish & tear resistant
- Consistent surface finish

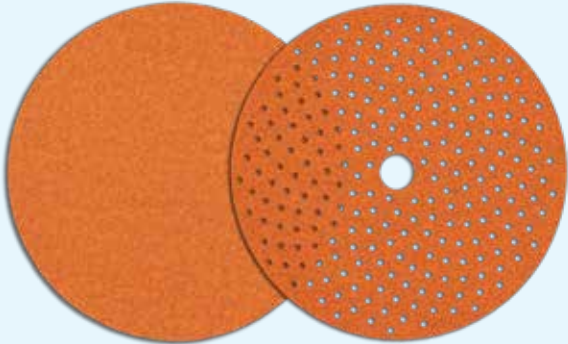


A995 - PSA/VELCRO DISC

Dia - 5", 6", Grit - 80 to 400

Features & Benefits

- Ultra-premium grains
- All-new exclusive backing provides extraordinary strength with tear resistance
- Water based coating ensures superior finish
- Less dust generation



FLAP DISCS



FLAP DISCS

Grit 36 - 120, Dia - 4", 5" & 7"

Features & Benefits

- Premium friable grains for excellent finish and good cut rate
- Advanced resin bond system for low dust and uniform flap consumption.
- Superior cotton cloth backing for higher life and clean finish and shine
- Precise wheel construction with no vibrations or imbalance - Higher motor life



SMALL DIA FLAP WHEELS



Grit 60 - 600; Dia - 4", 6" & 8"

Features & Benefits

- Best-suited for SS Fabrication market - pharma, kitchen utensils, automotive
- Superior finish
- Optimized wear and longer life
- Superior cut-rate



LARGE DIA FLAP WHEELS

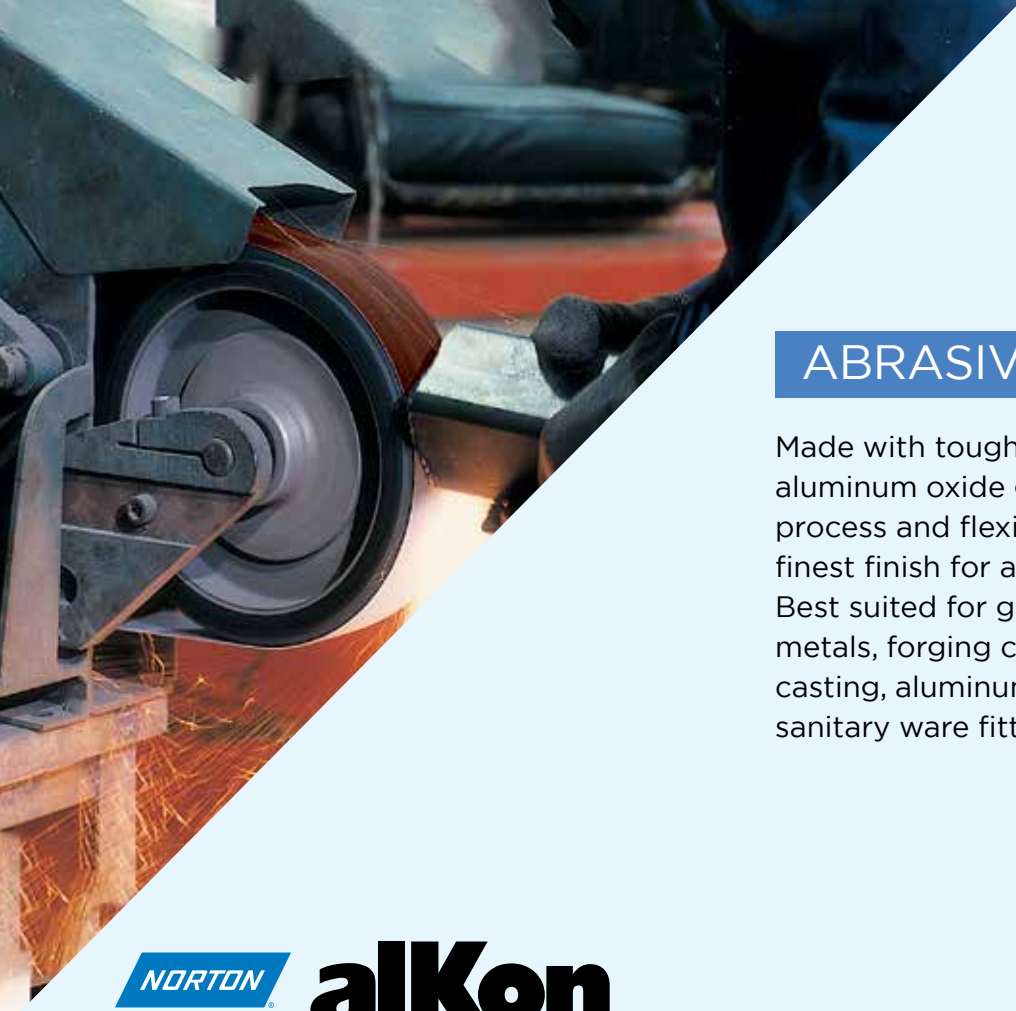


Grit - 60 -1200, Dia 10", 12" & 14"

Features & Benefits

- Engineered Cloth backing for higher life
- Premium friable grains for excellent finish and good cut-rate
- Uniform Flap wear
- Precise wheel construction with no vibrations or imbalance - Higher motor life
- Ideal wheel for SS Auto Ancillaries, pipes, Tube mill and utensils manufacturers





ABRASIVE BELTS

Made with tough premium zirconia and aluminum oxide grains, the unique coating process and flexible backing, offer the finest finish for all metal fabrication needs. Best suited for grinding & deburring of all metals, forging components-hand tools & casting, aluminum castings, brass castings-sanitary ware fittings, and stainless steel.



Alkon R265 Abrasive Belts

**Narrow Belts upto 450mm Width,
File Belts upto 30mm Width,
Grits - 150 to 600**

Features & Benefits

- Good for medium to high pressure applications; long life & good cut-rate
- High strength; Resistance to tearing
- Ability to withstand high grinding pressure



ZirKon R809 & R868 Abrasive Belts

**Narrow Belts upto 450mm Width,
File Belts upto 30mm Width,
Grits - 36 to 80**

Features & Benefits

- Premium zirconia abrasive grains
- Very high cut rate; Long life, cooler cutting
- Greater resistance to tear.
- Can withstand high grinding pressure





**Narrow Belts upto 450mm Width,
File Belts upto 30mm Width,
Grits - 60 to 400**

Features & Benefits

- Ideal for sanding of MDF / Particle Board
- Close-coated grains ensure high cut-rates



Blaze R980 Narrow Belts

**Narrow Belts upto 450mm Width,
File Belts upto 30mm Width,
Grits - 36 to 120**

Features & Benefits

- New generation ultra-premium grains for cool cutting
- Lasts longer on mild & stainless steel
- Suited for cobalt, chrome, inconel and titanium grinding
- Significantly improved belt life due to exceptional grain adhesion
- Improved part finish and integrity



**Narrow Belts upto 305mm Width
File Belts upto 30mm Width
Grit - X80(P180) - X4(P3000)**

Features & Benefits

- Quickly removes grit scratches, part defects, and steps from your polishing process
- Gives consistent finish
- Cooler cutting ensures exceptional part integrity





MICRO FINISHING FILMS

A patented, high-performance reinforced resin bond system and micron-grade aluminum oxide grains provide improved cut performance and superior surface finish.

Available in - Rolls, Belts, Sheets & Discs
9 - 80 microns

WATER PROOF PAPER



T490 - Norton Lion Max Life Water Proof Sheets

Grit range - 60 - 1000

Features & Benefits

- Best in class latex yellow water proof paper
- Premium grains provide high cut-rate and smooth finish
- Ideal for both wet & dry sanding applications



FOUNDRY

Electroplated Wheels for Foundry

Norton Electroplated wheels offer a superior solution for fettling and snag grinding on casting gates, parting lines, sprues, and more. These diamond super abrasive wheels offer an excellent choice when looking to achieve maximum material removal rates and increased productivity. The advanced, bond offers good grain exposure allowing for cooler grinding at lower grinding power. With the strongest and most durable bond on the market, Norton Electroplated wheels can be used to finish more parts per wheel than ever before.

Features & Benefits

- Improved productivity. Performs at higher depth of cut
- Reduced overall grinding cycle time. All operations at one place
- Wheels last really long! Reduces overall wheel inventory
- Customized designs made available as per request



DIAMOND WHEELS FOR OD AND SURFACE GRINDING

Norton offers highly durable bond system, recommended for fast material removal with less wheel wear.

It is best suited for surface, and cylindrical grinding of tungsten carbide and ceramics. This product achieves quick stock removal with prolonged consistent part quality. With lessens manual intervention due to dressing the wheel reduces dimensional corrections. It is more user friendly.

Features & Benefits

- Free cutting bond system suited for high stock removal operations. (Ex: Step grinding)
- Highly durable bond with less wheel wear.
- Maintains consistent part quality with reduced dressing frequency



CUTTING TOOL GRINDING

NORTON WINTER has engineered a wide product range to meet the demanding needs of precision cutting tool manufacturers and re-sharpeners. Matched to different applications and the system environment, innovative NORTON WINTER grinding wheels are always the best solution for all sequence of operation starting from preparation of blank followed by flute grinding, gashing and grinding of the clearance angles in CNC tool and cutter grinder.



BEST

The demands of modern grinding and machining round tools are constantly changing and becoming more sophisticated. To keep up with this ever-dynamic landscape, Norton Winter have developed Q-Flute-EVO: the next evolution in flute grinding. New high performance Q-Flute Bond is flexible and excels in the most demanding of processes.

Features & Benefits

- Improved Flute surface quality
- 20% lower grinding forces than other competitor products
- Optimised for precision with Unparalleled standards of edge stability



BEST

V-PRIME has been designed to provide excellent edge stability in gashing and clearance angle grinding. In today's challenging economic environment, it is more important than ever to maintain constant wheel geometry for as long as possible, without the need for correction, as this enables increased output and improved quality.

Features & Benefits

- With V-PRIME, the excellent durability of the previous generation products.
- The innovative V-PRIME demonstrates remarkable edge stability with reduced grinding forces and excellent performance, offering higher feed rates and lowering process times and costs
- The more stable grinding process leads to better part quality and less sub-surface damage



Q'w = Doc X Feedrate (mm/s)



4 - 7



2 - 4.5



1 - 2.5

Unique Polyimide bond systems for Flute grinding operation. With superior form-holding ability it Grinds at lower-power requirements compared to premium competitive wheels

Features & Benefits

- Unique bond technology excels on Flute grinding
- Capable of very high material removal rates
- Self-dressing; maintains a consistently sharp grinding edge
- Leads the industry in depth of cut, traverse rates, and form holding to reduce total grinding costs by 25% or more

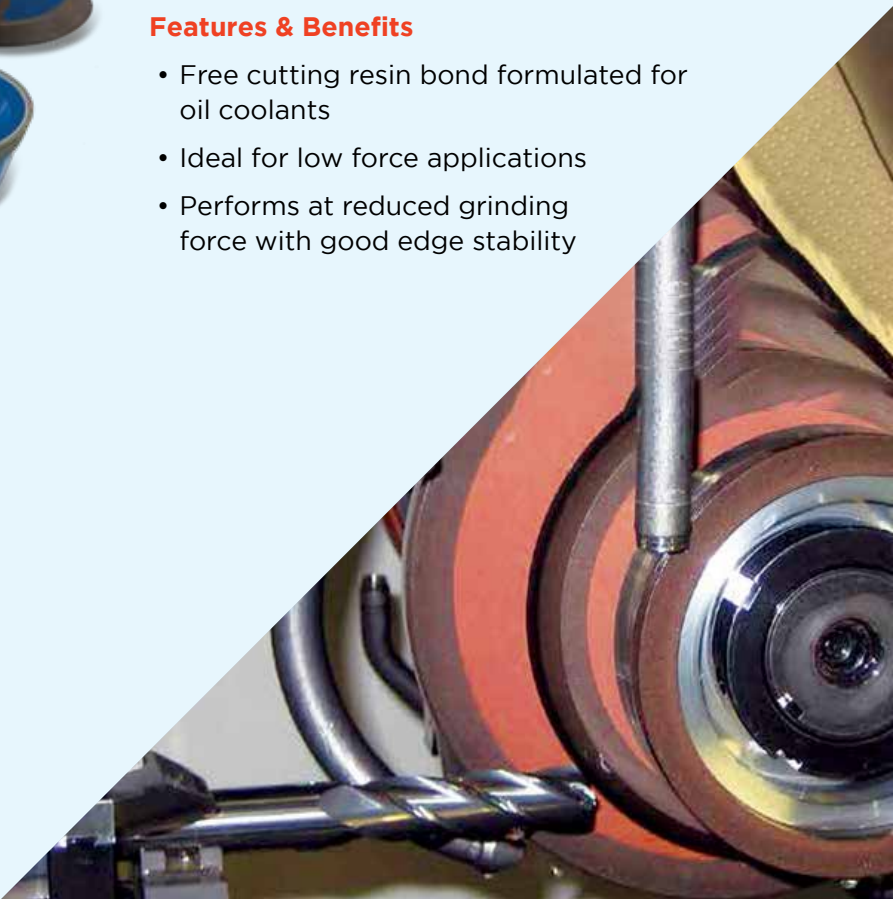
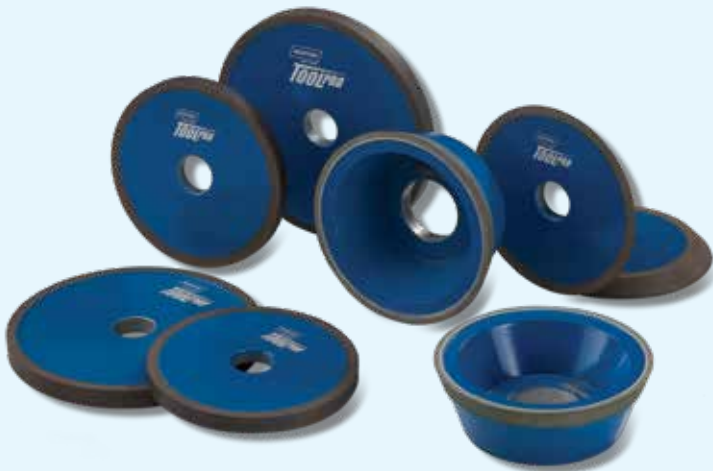


GOOD

TOOL PRO offers a reliable quality of wheel pack for new and re-sharpening of Round cutting tools. Provides optimal performance for less aggressive applications. It is an ideal solution for short-run manufacturing operations

Features & Benefits

- Free cutting resin bond formulated for oil coolants
- Ideal for low force applications
- Performs at reduced grinding force with good edge stability



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