>

STRIPPING AND CLEANING

DEBURRING

FINISHING

POLISHING

FINISHING STRONG

Scotch-Brite™ BRAND

SINCE 1958

AN EXTENDED RANGE OF ABRASIVES

BEYOND YOUR EXPECTATIONS

3M

SUMMARY

Switch to Scotch-Brite™!

Click on the tool corresponding to the application, then follow the guide!

STRIPPING AND CLEANING	DEBURRING	FINISHING	POLISHING
MANUAL USE	ANGLE GRINDER	MANUAL USE	ANGLE GRINDER
ANGLE GRINDER	STRAIGHT GRINDER	STRAIGHT GRINDER	REEL
STRAIGHT GRINDER	ORBITAL SANDER	REEL	
BACKSTAND	REEL	BACKSTAND	

A **quality** finish and **working** comfort BEYOND YOUR EXPECTATIONS

By your side to help you gain competitiveness, 3M offers you an extended range of Scotch-Brite™ products based on nonwoven abrasive technology. 3M™ abrasives are used in all markets, on most materials, in multiple applications. The extent of the Scotch-Brite™ product range and our expertise in industrial application means that we can offer you the right solution. Beyond all your expectations.

We have been manufacturing quality products since 1958 that are ideally designed for stripping, surface preparation, deburring, finishing and polishing. This guide has been designed to help you find the best product for your chosen application.

You want to

STRIPPING AND CLEANING

DEBURR

FINISH

POLISH

with

SHEET

DISC

WHEEL

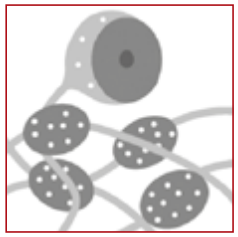
BRUSH

BAND

+ simplicity + efficiency... *Switch to Scotch-Brite™!*

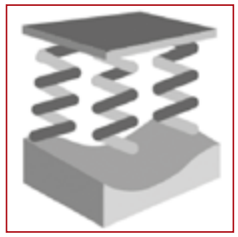
WHAT IS SCOTCH-BRITE™ TECHNOLOGY?

A SPRING-MOUNTED ABRASIVE!



Open structure

+



Spring effect

=

Regular and high-quality finishing flexibility

ADVANTAGES AND BENEFITS

- Respect for the quality of the workpiece
- No surface heating, no pollution
- Adaptable to all machines on the market, available in many forms
- Safe and comfortable product for the operator
- Easy installation on machines
- Effective product over time, regenerates as it is used
- Easy to use product, whatever the level of experience
- Achieve a consistent, flawless finish
- Fast and efficient work thanks to the abrasive

Click on your choice of reference and follow the guide!

TOOL	FORMAT	REFERENCE	STRIPPING AND CLEANING	DEBURRING	FINISHING	POLISHING	PAGES
Manual use	Cut	CF-HP	✸		✸		10, 34
	Sheet	CF-SH	✸		✸		10, 34
	Clean & Finishing roller	MX-SR	✸				11
	Roller	CF-RL	✸		✸		35
	Pre-cut sheet roller	CF-SR	✸				19
Angle grinder	Roloc™ bristle disc	RD-ZB	✸				12
	Disc	SC-DB	✸			✸	13, 39
	Self-gripping disc	SC-DH	✸	✸		✸	13, 23, 39
	Roloc™ disc	SC-DR	✸			✸	14, 40
		XL-DR	✸	✸		✸	15, 24, 41
	Clean & Strip™ disc	XT-RD	✸				16

User Guide continues on next page >

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Click on your choice of reference and follow the guide!

TOOL	FORMAT	REFERENCE	STRIPPING AND CLEANING	DEBURRING	FINISHING	POLISHING	PAGES
Straight grinder	Bristle brush	BB-ZS	✸	✸			17, 26
	Combi brush	CB-ZR	✸				18
	Fan grinder brush on shaft	FF-ZS			✸		36
	Wheel on shaft	CG-ZS	✸				20
	Compressed wheel	XL-UW		✸			28
	Bristle disc	RB-ZB		✸			27
	Clean & Strip™ disc	XT-ZS	✸				21
Orbital sander	Self-gripping disc	SE-DH		✸			25
Reel	Bristle brush	BB-ZB		✸		✸	29, 42
	Fan brush	CF-FB			✸		37
	Wheel	DB-WL		✸		✸	30, 43
		XL-WL		✸		✸	31
Backstand	Short band	SC-BL	✸		✸		9, 33
	Bande courte	SC-BS			✸		33

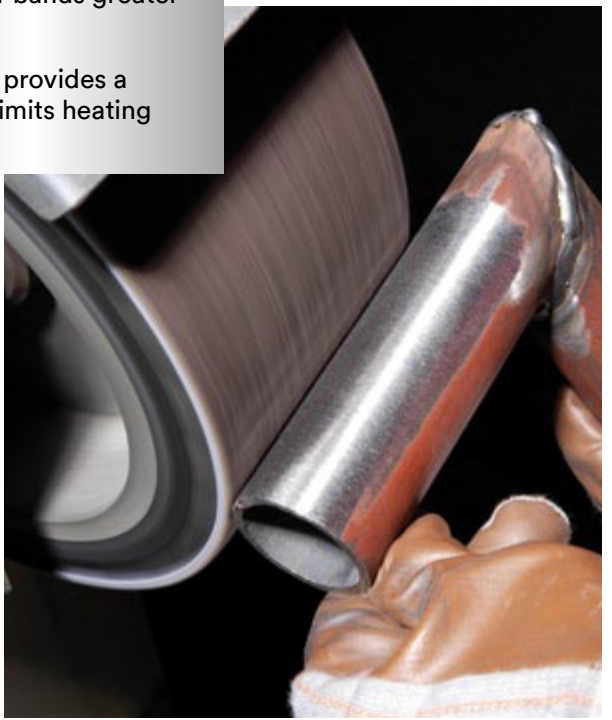
STRIPPING AND CLEANING

▶ BACKSTAND

SC-BL

Scotch-Brite™ band, long band SC cloth, aluminium oxide or silicon carbide grain.

- ▶ Flexible support, easy to use.
- ▶ Slight stretching for bands greater than two metres.
- ▶ The open structure provides a uniform finish and limits heating and marring.



APPLICATIONS
Surface preparation for a coating, standardisation, discoloration of welding points, preparation before satin finish.

WORKED MATERIALS
Non-ferrous metals.

GRAINS AND DIMENSIONS
Type A large, medium, very fine, S very fine grain.
All dimensions.

RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

▶ MANUAL USE

CF-HP / CF-SH

Scotch-Brite™ sheets (SH) and pads (HP). Cloth of nonwoven synthetic fibres, very open structure, impregnated with a resin binder and grains of aluminium oxide or silicon carbide.

- CF cloth, open, flexible, conforms perfectly.
- Specific references to make up for stainless steel brushes.
- No marring or contamination of worked surfaces.

APPLICATIONS

Surface preparation before refinishing, maintenance operations.

WORKED MATERIALS

Metals, wood, lacquers, ceramics, glass, plastics, composites.

GRAINS AND DIMENSIONS

CF-HP : A very fine, S ultra fine, S medium grain.
Dimensions 152 × 228 mm, 158 × 224 mm.
CF-SH : A very fine, S ultra fine grains.
Dimensions 230 × 280 mm.

▶ MANUAL USE

MX-SR

Very flexible Multiflex wheels.

APPLICATIONS

Cleaning, patina wiping, sanding, micro-stranding of primed or lacquered surfaces to ensure good adhesion of different layers, cleaning of lightly oxidised surfaces, surface preparation before painting, gluing, welding etc. Roughing of new elements, paint or primer, paint preparation before joining.

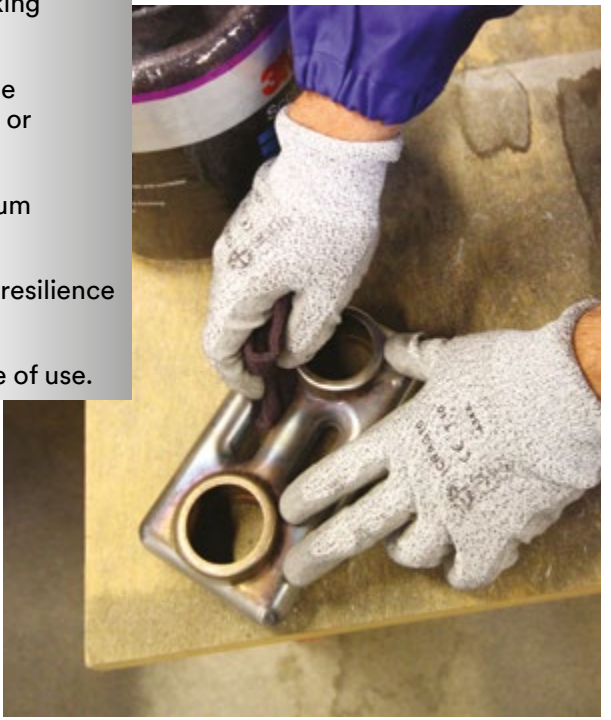
WORKED MATERIALS

All types of material.

GRAINS AND DIMENSIONS

Type A very fine, S ultra fine grains.
Dimensions 200 × 6,000 mm.

- The uniform distribution of grains and the threedimensional structure of the cloth facilitates working complex forms.
- Open and extremely flexible construction, no saturation or marring.
- Pre-cut sheets at an optimum working size.
- Mineral abrasive with high resilience for working faster.
- Central reel design for ease of use.

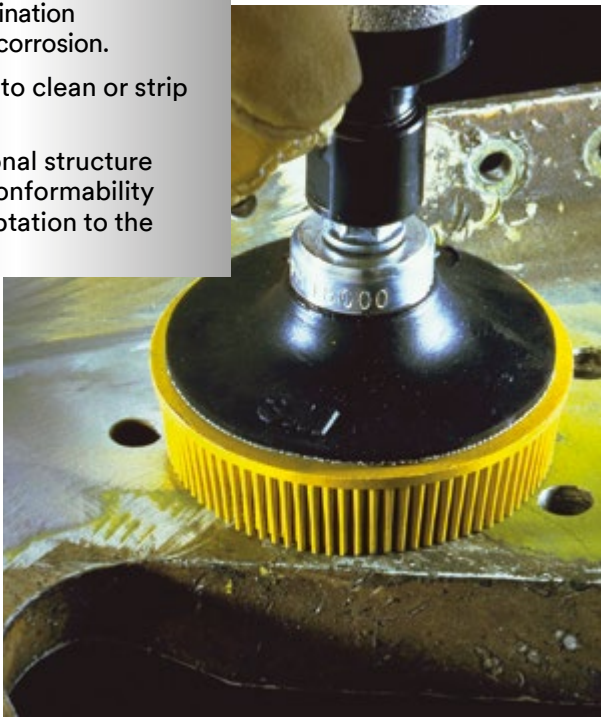


▶ RETURN ANGLE GRINDER

RD-ZB

Bristle disc, Roloc™ quick release, ceramic Cubitron™ grain, thermoplastic injected resin.

- ▶ Alternative to metallic brushes, chemical agents and other stripping products.
- ▶ Moulded wire structure which avoids marring, surface contamination and reduces the risks of corrosion.
- ▶ Requires light pressure to clean or strip metal surfaces.
- ▶ Flexible three-dimensional structure which provides great conformability and allows perfect adaptation to the most complex forms.



APPLICATIONS

Cleaning and stripping of paint, rust, discolouration on welds, traces of oxidation or adhesive, surface contaminants and other marring coatings.

WORKED MATERIALS

Suitable for ferrous or nonferrous metals and certain composite material surface preparationse.

GRAINS AND DIMENSIONS

50, 80, 120 grains.
Diam. 25, 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS

10 to 20 m/s.

▶ RETURN ANGLE GRINDER

SC-DB / SC-DH

Scotch-Brite™ disc, aluminium oxide grain, vulcanised fibre support (version DB), central bore for clamping on angle grinder, self-gripping support (version DH).

- ▶ Durability and quality cut maintained (even at high pressure) by respecting the geometry of the pieces.
- ▶ Match and finish in the same operation.
- ▶ The support fibre reinforces the cut level.

APPLICATIONS

Surface cleaning operation (elimination of rust, paint), finish and roughness attenuation after discing, surface preparation before painting, surface preparation for satin finish.

WORKED MATERIALS

Steels and non-ferrous metals.

GRAINS AND DIMENSIONS

SC-DB: large grain.
Diam. 115, 127, 178 and 203 mm.
SC-DH: A very fine, medium, large grains.
Diam. 115 , 127 and 178 mm.

RECOMMENDED OPERATING SPEEDS

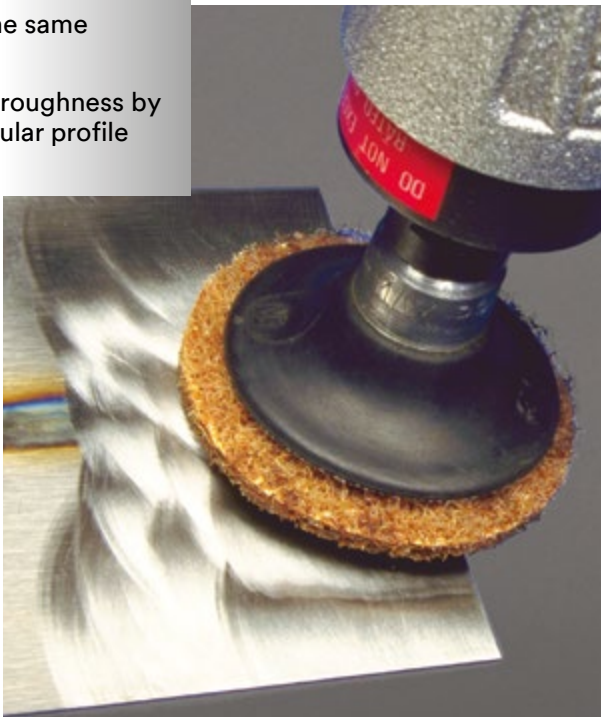
10 to 20 m/s.

▶ RETURN ANGLE GRINDER

SC-DR

Quick release Scotch- Brite™ Roloc™ disc, small diameters, aluminium oxide or silicon carbide grain.

- ▶ Durability with a quality cut maintained by respecting the geometry of the parts.
- ▶ Match and finish in the same operation.
- ▶ Reduction of surface roughness by delivering a more regular profile without burrs.



APPLICATIONS
Cleaning of complex-shaped surfaces (elimination of rust, paint), finishing and roughness attenuation after discing, surface preparation before painting in difficult-toreach areas.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
Large, medium, very fine, super fine grain.
Diam. 25, 50 and 75 mm.

RECOMMENDED OPERATING SPEED
60 m/s.

▶ RETURN ANGLE GRINDER

XL-DR

Disc with compressed Scotch-Brite™ cloth, small diameter, aluminium oxide or silicon carbide grain, various densities.

- The range of compressed discs provides aggressiveness, resistance and durability (density 8), as flexibility, conformability and polishing capacity (density 2).
- Resists marring.
- Produces a clean, uniform and consistent finish.

APPLICATIONS
Cleaning of oxides, weld discolouration, reduction of bumps and scratches, elimination of machining ridges, roughness attenuation before coating operations.

WORKED MATERIALS
Carbon steel, stainless and alloy steels, non-ferrous metals. For titanium, the use of a silicon carbide grain disc is preferred.

GRAINS AND DIMENSIONS
A large, A medium, S fine grains.
Diam. 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS
60 m/s and 30 m/s on titanium.

▶ RETURN ANGLE GRINDER

XT-RD

Scotch-Brite™ Clean & Strip™ disc, rigid support, silicon carbide grains.

- ▶ Open structure, reduces heating and clogging of the disc.
- ▶ Very incisive silicon carbide grain.
- ▶ Flexible structure which preserves the geometry of the parts.

APPLICATIONS
Intensive stripping by angle grinder.

WORKED MATERIALS
All metals, carbon deposits.

GRAINS AND DIMENSIONS
Extra large grains.
Diam. 115 × 22 mm.

RECOMMENDED OPERATING SPEEDS
60 to 80 m/s.

▶ STRAIGHT GRINDER

BB-ZS

Bristle brush, 3M™ Cubitron™ ceramic and aluminium oxide grain.

APPLICATIONS
Cleaning of surface contaminants, blueing of stainless steel welds, threads and grooves.

GRAINS AND DIMENSIONS
80, 120, 220 grains.
Diam. 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS
10 to 25 m/s.

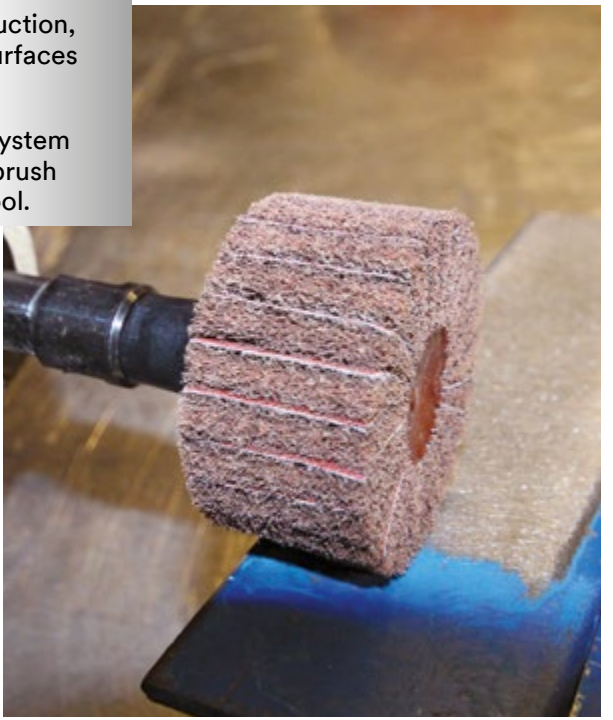
- Pre-assembled and ready to use.
- Gives the desired results very quickly.
- Can follow complex contours and penetrate difficult-to-reach zones.
- Open structure which resists marring and increases durability.

▶ STRAIGHT GRINDER

CB-ZR

Scotch-Brite™ combination brush, abrasive and non-woven, supplied with the Roloc™ attachment system.

- ▶ Conforms well to contours of worked parts and respects their geometry.
- ▶ Flexible blade construction, can obtain uniform surfaces on the workpieces.
- ▶ Roloc™ attachment system for simple and rapid brush changes, without a tool.



APPLICATIONS
Cleaning by straight grinder or return angle grinder.
Removal of discolouration and oxidation of weld seams.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
80, 120, 180 grains.
Dimensions: 63 × 32 mm.

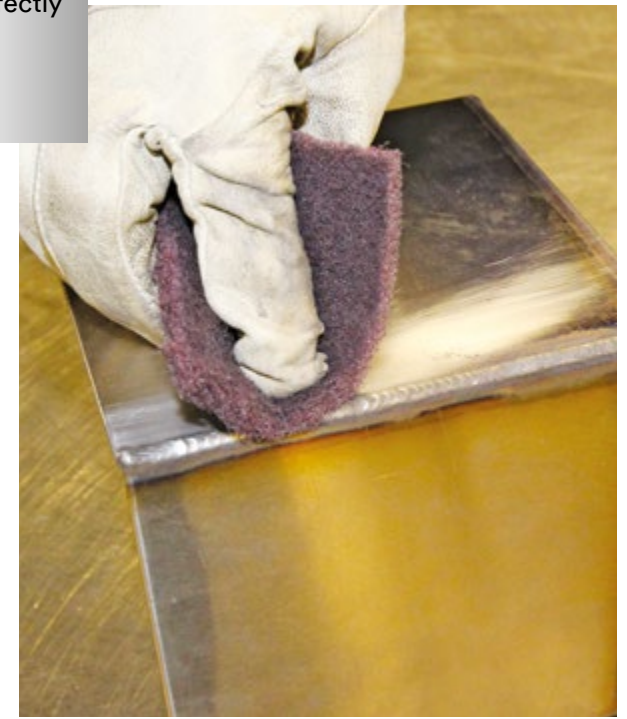
RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

▶ MANUAL USE

CF-SR

Scotch-Brite™ CF cloth, aluminium oxide grain.

- ▶ Pre-cut sheets: time and materials savings, the sheet adapts perfectly to manual use.
- ▶ Central reel design for ease of use.



APPLICATIONS
Cleaning of tools, cleaning of sensitive surfaces (measuring tools), preparation of lacquered surfaces before repainting.

WORKED MATERIALS
Metals, wood, lacquers, plastics, composites.

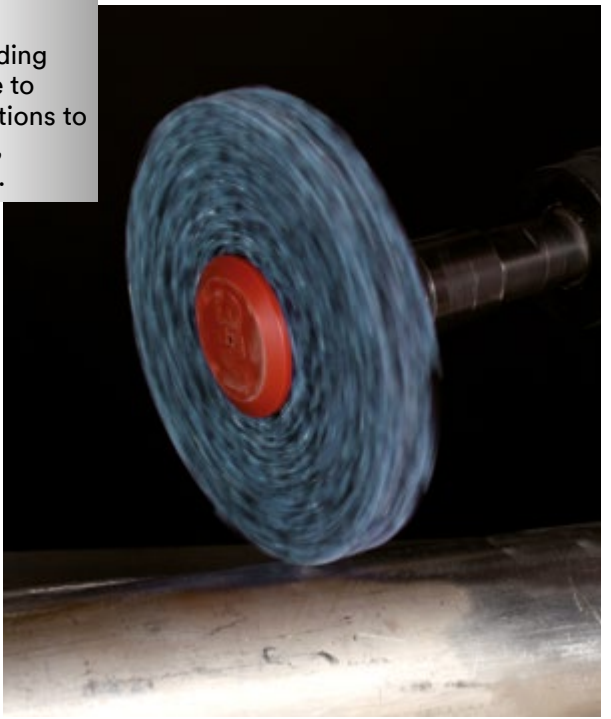
GRAINS AND DIMENSIONS
A very fine, S ultra fine grains.
Dimensions: 150 × 4,000 mm.

▶ STRAIGHT GRINDER

CG-ZS

Clean & Strip™ wheel on shaft, silicon carbide grain, semi-flexible resin.

- Resistant and semi lexible, increases cleaning efficiency whilst guaranteeing excellent durability.
- Open structure providing a very high resistance to marring during operations to remove soft residues, sealants or adhesives.



APPLICATIONS
Maintenance operations, stripping and cleaning on flat and contour surfaces: weld seams, oxidised areas, thick coatings and surface contaminants.

WORKED MATERIALS
Ideal on corroded metallic, painted or coated surfaces.

GRAINS AND DIMENSIONS
Extra-large blue grains.
Dimensions 75 × 13 × 6 mm, 75 × 25 × 6 mm,
100 × 13 × 6 mm, 100 × 25 × 6 mm,
150 × 13 × 8 mm, 150 × 25 × 8 mm.

RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

▶ STRAIGHT GRINDER

XT-ZS

Clean & Strip™ XT disc on shaft.

APPLICATIONS
For cleaning welding seams, oxide removal, areas of rust, paint coats, protective coatings, mastics, residual joints etc.

WORKED MATERIALS
All types of metal.

GRAINS AND DIMENSIONS
Extra-large grain.
Dimensions 75 × 13 × 6 mm, 75 × 25 × 6 mm, 100 × 13 × 6 mm, 100 × 25 × 6mm, 150 × 13 × 8 mm, 150 × 25 × 8 mm.

RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

- Version XT corresponds to a reinforced Clean & Strip™ cloth and increases the service life of the product for all applications.
- High resistance on angles, edges and corners, no deterioration of the wheel or projections.
- Three-dimensional cloth in nonwoven nylon, uniform distribution of grains in the structure, material free of all corrosive agents.
- Clean & Strip™ cloth open and flexible, excellent resistance to marring, good adaptation to profiles.
- Assembled on shaft ready to use, without needing accessories.

DEBURRING

▶ RETURN ANGLE GRINDER

SC-DH

Scotch-Brite™ selfgripping disc.

- ▶ Nonwoven reinforced cloth, open construction, very solid.
- ▶ The support tray allows for efficient cutting on the edges of the parts.
- ▶ An integrated anti-heating treatment in the Scotch-Brite™ cloth improves the cut and allows dry use.

APPLICATIONS
Deburring and shining welded sheet edges, deburring after cutting or machining.

WORKED MATERIALS
Steel, stainless steel and nonferrous metals.

GRAINS AND DIMENSIONS
A large, A medium and A very fine grains.
Diam. 115mm, 125 mm, 150 mm and 178 mm.

RECOMMENDED OPERATING SPEEDS
Diam. 115 mm and 125 mm >10,000 rpm.
Diam. 150 mm >8,000 rpm.
Diam. 178 mm >6,000 rpm.
Diam. 200 mm >4,500 rpm.

▶ RETURN ANGLE GRINDER

XL-DR

Compound disc of compressed Scotch-Brite™ cloth, aluminium oxide or silicon carbide grain, different densities.

- The range of compressed discs provides aggressiveness, resistance and durability (density 8), as well as flexibility and conformability (density 2).
- Resists marring.
- Produces a clean, uniform and consistent finish.
- Excellent edge resistance.
- The compressed structure provides perfect deburring and controlled shining.

APPLICATIONS
Micro-deburring, deburring, shining of various parts, for example: piston shaft (deburring before chroming); turbine blades, punched stainless steel parts, gears, gear wheels, moulded parts.

WORKED MATERIALS
Carbon steel, stainless and alloy steels, non-ferrous metals. For titanium, use of a silicon carbide disc is preferred.

GRAINS AND DIMENSIONS
A large, A medium, S fine grains.
Diam. 50 and 75 mm.
Densities 2 to 8.

RECOMMENDED OPERATING SPEEDS
Diam. 50 mm >12,000-18,000 rpm.
Diam. 75 mm >8,000-12,000 rpm.

▶ ORBITAL SANDER

SE-DH

Scotch-Brite™ disc, self-gripping with centring pin, aluminium oxide grain.

- ▶ The centring pin allows for better disc retention and reduction of vibrations.
- ▶ More durable and aggressive than the SC cloth discs, while keeping the same quality and cut consistency, with respect to the geometry of the pieces.

APPLICATIONS
Deburring, shining of edges.

WORKED MATERIALS
Steel, stainless steel, nonferrous metals, plastics.

GRAINS AND DIMENSIONS
Type A large grains.
Diam. 115 and 150 mm.

RECOMMENDED OPERATING SPEEDS
115 mm and 125 mm >10,000 rpm.
150 mm >8,000 rpm.
178 mm >6,000 rpm.
200 mm >4,500 rpm.

▶ STRAIGHT GRINDER

BB-ZS

Bristle brush containing 3M™ Cubitron™ ceramic grains and aluminium oxide.

- ▶ Pre-assembled and ready to use.
- ▶ Gives the desired results very quickly.
- ▶ Follows contours and penetrates in difficult-toreach areas.
- ▶ Open structure which resists marring and increases durability.

APPLICATIONS
Deburring of complex parts and difficult-to-reach areas.

WORKED MATERIALS
Carbon steels and stainless steels, non-ferrous materials (copper alloys, aluminium etc.), synthetic materials.

GRAINS AND DIMENSIONS
80, 120, 220 grains.
Diam. 50 and 75 mm.

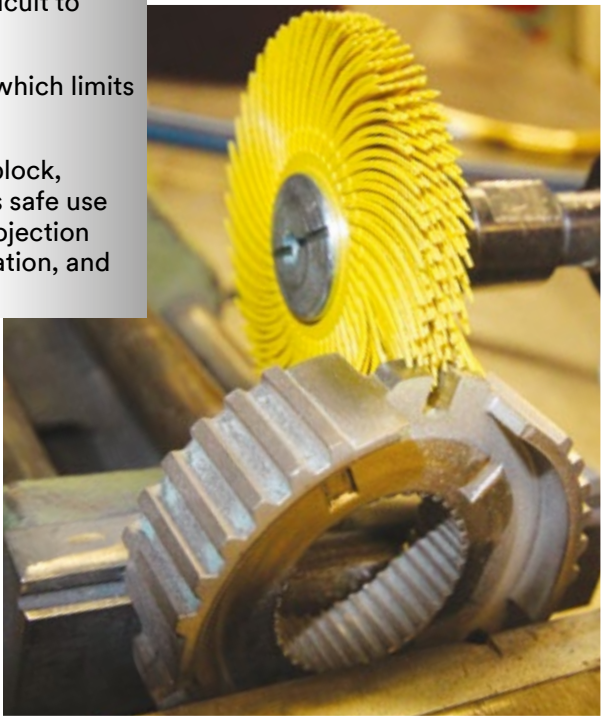
RECOMMENDED OPERATING SPEEDS
10 to 25 m/s.

▶ STRAIGHT GRINDER

RB-ZB

Bristle disc, 3M™ Ceramic Cubitron™ grain and aluminium oxide.

- ▶ Very flexible and conformable, for work on parts with complex geometry and on difficult to reach areas.
- ▶ Very open structure which limits marring.
- ▶ Moulded in a single block, without metal, allows safe use without danger of projection or metallic contamination, and limits vibrations.



APPLICATIONS
Micro-deburring on metal parts: mechanical-bore, machined edges, perforation, threads.

WORKED MATERIALS
Carbon steels, stainless or high-resilience steels, nonferrous metals (copper alloys, aluminium), precious metals (gold, silver, platinum) and synthetic materials.

GRAINS AND DIMENSIONS
Grains: 36, 50, 80, 120, 220, 400.
Diam. 19, 25, 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS
10 to 25 m/s.

▶ STRAIGHT GRINDER

XL-UW

Compressed deburring wheel, aluminium oxide or silicon carbide grain.

APPLICATIONS
Precision deburring applications on sprockets, gears, sheet metal, foundry parts.

WORKED MATERIALS
All metals and composites.

GRAINS AND DIMENSIONS
S fine, A medium, A large grains.
Densities from 2 to 8.
Dimensions 25 × 25 × 5 mm, 76 × 6 × 6 mm, 76 × 6 × 10 mm, 76 × 13 × 6 mm, 150 × 6 × 13 mm, 150 × 13 × 13 mm, 200 × 6 × 13 mm.

RECOMMENDED OPERATING SPEEDS
Diam. 25 mm >15,000-18,000 rpm.
Diam. 50 mm >8,000-15,000 rpm.
Diam. 75 mm >6,000-12,000 rpm.
Diam. 100 mm >3,500-5,500 rpm.

- Complete range of compressed wheels supporting aggressivity, resistance and durability (density 8), or flexibility and conformability (density 2).
- Use in two directions of rotation.
- Resists marring.
- Clean, uniform and consistent finish.
- Does not damage worked parts.

▶ REEL

BB-ZB

Scotch-Brite™ bristle radial brush, aluminium oxide and 3M™ Cubitron™ grains

- Part moulded from a single block and without metal: no threads or filaments coming loose when in use.
- Reel cutting tool by filaments impregnated with grains of aluminium oxide and 3M™ Cubitron™ (hardness of abrasive grain much superior to that of metal or wood).
- Large conformability from the three-dimensional flexible structure.
- Open structure avoids marring.

APPLICATIONS

Light deburring on punched, milled, low-cut (transmission, pinions, turbine blades etc.) parts of complex shapes (220- 400 grains). Shining (50-80 grains). Defibration and finishing on wood (120 to 400 grains). Deburring of plastic parts (400 to 1 micron grains).

WORKED MATERIALS

Carbon steels, stainless, or high-resistance, titanium, nonferrous material (copper alloys, aluminium etc.), wood, synthetic materials etc.

GRAINS AND DIMENSIONS

Type A grains: 36, 50, 80, type C 80, 120, 220, 400.
Type S: 50, 80, 120.
Diam. 150 × 12 mm and 200 × 32 mm.

RECOMMENDED OPERATING SPEEDS

10 to 25 m/s.

▶ REEL

DB-WL

Scotch-Brite™ deburring wheel in silicon carbide grain.

- ▶ Available in different densities and dimensions to cover most deburring needs.
- ▶ The abrasive is constantly in contact with the worked part, producing a clean, uniform and regular finish.
- ▶ Able to match the shapes of the worked part whilst respecting its geometry.

APPLICATIONS

Deburring of punched parts, cut, machined, threaded, moulded parts, extruded profiles. Excellent results in aeronautical (turbines blades, belts), automobile (pinions, rods before chroming), in the medical field (protheses) etc. Also adapted to removal of tooling marks on mechanical parts or moulding equipment.

WORKED MATERIALS

Burrs less than 5/10ths on all metals.

GRAINS AND DIMENSIONS

Type S fine and S medium grains.
Densities 7, 8 and 9.
Dimensions 150 × 25 × 25 mm, 150 × 13 × 25 mm,
and 200 × 25 × 76 mm, 200 × 50 × 76 mm, 200 × 13 × 76 mm,
200 × 75 × 76 mm, 200 × 13 × 25 mm.

RECOMMENDED OPERATING SPEEDS

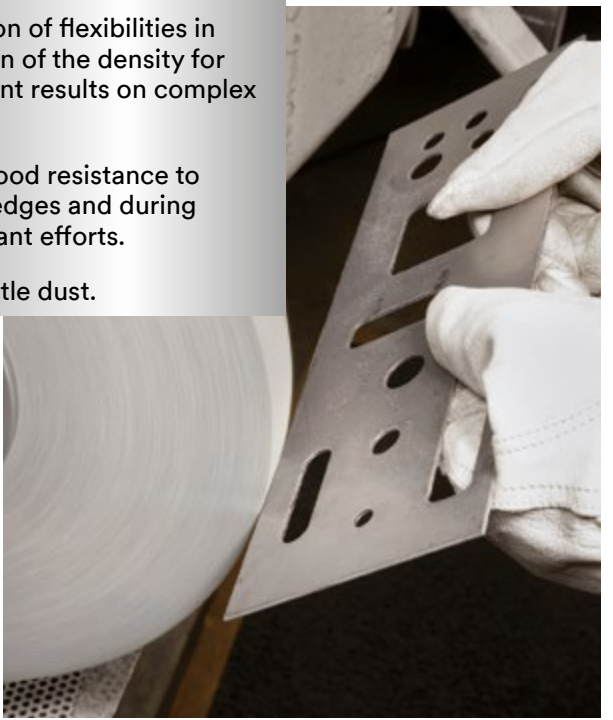
Diam. 150 mm >4,000-4,500 rpm.
Diam. 200 mm >2,500-3,200 rpm.

▶ REEL

XL-WL

Scotch-Brite™ deburring wheel in silicon carbide grain.

- ▶ Consistency of performance and level of finish.
- ▶ Variation of flexibilities in function of the density for excellent results on complex parts.
- ▶ Very good resistance to sharp edges and during important efforts.
- ▶ Very little dust.



APPLICATIONS

Deburring of punched parts, cut, machined, threaded, moulded parts, extruded profiles. Excellent results in aeronautical (turbines blades, belts), automobile (pinions, rods before chroming), in the medical field (protheses) etc. Also adapted to removal of tooling marks on mechanical parts or moulding equipment.

WORKED MATERIALS

Burrs less than 5/10ths on all metals.

GRAINS AND DIMENSIONS

Type S fine and S medium grains.
Densities 8 and 9.
Dimensions 150 × 25 × 25 mm, 150 × 13 × 25 mm, and 200 × 25 × 76 mm, 200 × 50 × 76 mm, 200 × 13 × 76 mm, 200 × 75 × 76 mm, 200 × 13 × 25 mm.

RECOMMENDED OPERATING SPEEDS

Diam. 150 mm >4,000-4,500 rpm.
Diam. 200 mm >2,500-3,200 rpm.

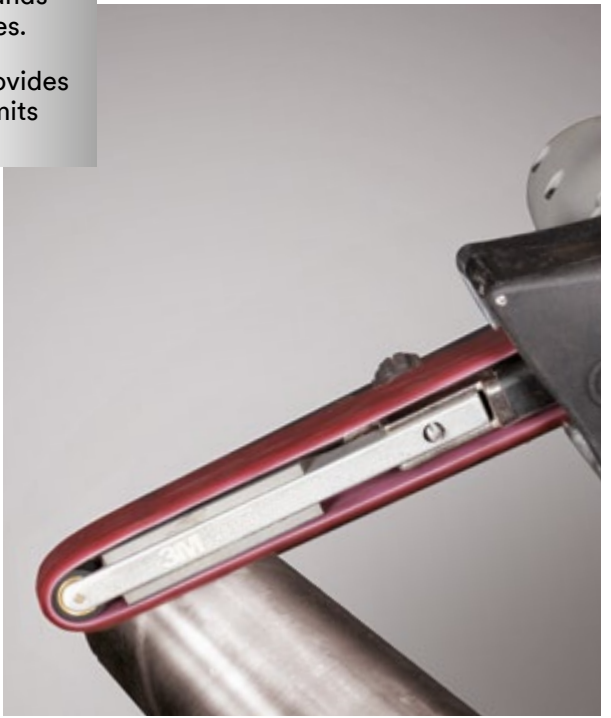
FINISHING

▶ BACKSTAND

SC-BL/SC-BS

Scotch-Brite™ band, long- and short-band SC cloth, aluminium oxide or silicon carbide grain.

- ▶ Flexible support, easy to use.
- ▶ Slight stretching for bands greater than two metres.
- ▶ The open structure provides a uniform finish and limits heating and marring.



APPLICATIONS
Matt satin finish, matching of roughness after sanding, finishing on stainless steel.

WORKED MATERIALS
Metals, especially stainless steels, and non-ferrous metals.

GRAINS AND DIMENSIONS
SC-BL: A large, A medium, A very fine, S super fine grains.
SC-BS: A large, A medium, A very fine grains. All dimensions.

RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

▶ MANUAL USE

CF-SH/CF-HP

Scotch-Brite™ sheets (SH) and pads (HP). Cloth of nonwoven synthetic fibres, very open structure, impregnated with a resin binder and grains of aluminium oxide or silicon carbide.

- CF cloth, open, flexible, conforms perfectly.
- Specific references to make up for stainless steel brushes.
- No marring or contamination of worked surfaces.

APPLICATIONS

Matt finish and uniform or muddled, manual polishing.

WORKED MATERIALS

Metals, wood, lacquers, ceramics, glass, plastics, composites.

GRAINS AND DIMENSIONS

CF-SH: A very fine and S ultra fine grains.
Dimensions 230 × 280 mm.

CF-HP: A very fine, S ultra fine, S medium grain.
Dimensions 152 × 228 mm
and 158 × 224 mm.

▶ MANUAL USE

CF-RL

Scotch-Brite™ roller in nonwoven synthetic fibres.

APPLICATIONS
Refining brushed surfaces on window frames, aluminium moulding, aeronautic parts, jewellery, cutlery.

WORKED MATERIALS
All ferrous and non-ferrous metals, especially stainless steel, but also wood, plastics, composite, synthetic materials, paints, lacquers and varnish etc.

GRAINS AND DIMENSIONS
Type A very fine, S ultra fine grains.
Dimensions 10 × 10,000 mm, 100 × 25,000 mm, 125 × 10,000 mm, 125 × 25,000 mm, 125 × 25,000 mm.

- Flexibility for the work of complex shapes due to the Scotch-Brite™ threedimensional cloth and the uniform distribution of grains in the structure.
- Inert material, free from any corrosive agent (Nylon nonwoven cloth).
- CF type A cloth (aluminium oxide): Resistant abrasive mineral.
- CF type S cloth (silicon carbide): Hard and sharp mineral.

▶ STRAIGHT GRINDER

FF-ZS

Scotch-Brite™ fan Brush on shaft (6 mm), aluminium oxide or silicon carbide grain.

- ▶ Very dense cloth: consistent, uniform, and reproducible finish.
- ▶ Open, flexible fan construction, which allows the brush to match complex shapes without damaging the surfaces.
- ▶ Excellent in satin-finishing and cleaning applications providing a brilliant (PF) or satin (FF) finish.

APPLICATIONS
Satin finishing.

WORKED MATERIALS
Type A large, A very fine, S fine grains.
Dimensions 75 × 45 × 6 mm, 100 × 45 × 6 mm.

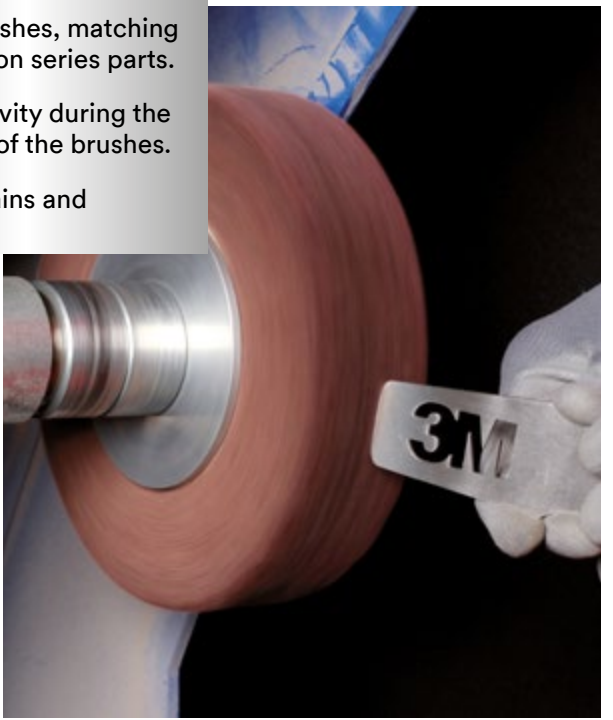
GRAINS AND DIMENSIONS
Diam. 50 mm >6,000-8,000 rpm.
Diam. 75 mm >3,500-6,000 rpm.
Diam. 100 mm >2,500-4,500 rpm.

▶ REEL

CF-FB

Scotch-Brite™ fan brush, CF cloth, aluminium oxide or silicon carbide grains, different densities.

- ▶ Great flexibility of use, conforms to all profiles.
- ▶ Obtain regular finishes, matching and reproducible on series parts.
- ▶ Constant aggressivity during the entire service life of the brushes.
- ▶ Large range of grains and densities.



APPLICATIONS

Brilliant satin (type S) or matt (type A) finish on metallic surfaces.

GRAINS AND DIMENSIONS

Type A very fine, fine, medium grains.
Densities 5 and 7.
Dimensions 100 × 25 × 25 mm, 150 × 25 × 50 mm, 200 × 25 × 76 mm, 200 × 50 × 76 mm.

RECOMMENDED OPERATING SPEEDS

15 to 20 m/s.

POLISHING

▶ RETURN ANGLE GRINDER

SC-DB / SC-DH

Scotch-Brite™ disc, aluminium oxide grain, vulcanised fibre support, central bore for clamping on DB angle grinder, DH selfgripping support.

- ▶ Great flexibility of use, conforms to all profiles.
- ▶ Obtain regular finishes, matching and reproducible on series parts.
- ▶ Constant aggressivity during the entire service life of the brushes.

APPLICATIONS
Roughness attenuation.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
SC-DB: large grain.
Diam. 115, 127, 178 and 203 mm.
SC-DH: A very fine, medium, large grains.
Diam. 115, 127 and 178 mm.

RECOMMENDED OPERATING SPEEDS
60 to 80 m/s.

▶ RETURN ANGLE GRINDER

SC-DR

Scotch-Brite™ disc, Roloc™ quick release, small diameters.

- ▶ Durability with a quality cut maintained by respecting the geometry of the parts.
- ▶ Match and finish in the same operation.
- ▶ Reduction of surface roughness by delivering a more regular profile without burrs.

APPLICATIONS
Roughness attenuation in difficult-to-reach areas.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
Large, medium, very fine, super fine grains.
Diam. 25, 50 and 75 mm.

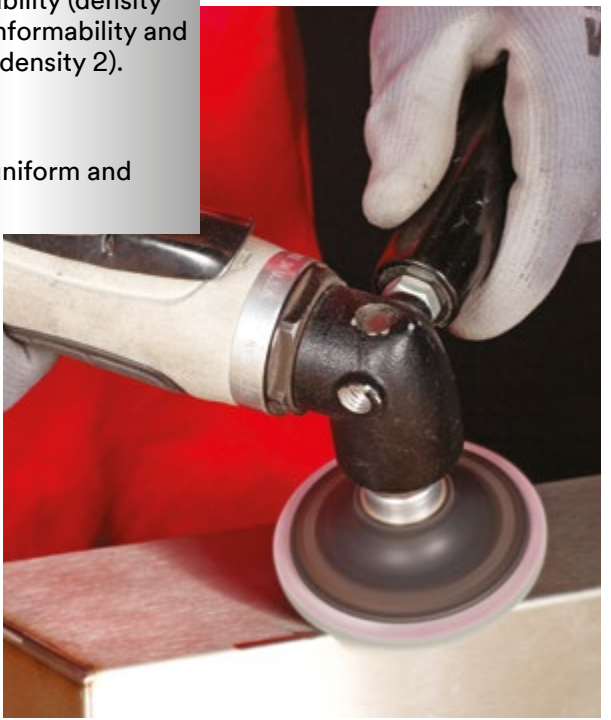
RECOMMENDED OPERATING SPEEDS
60 to 80 m/s.

▶ RETURN ANGLE GRINDER

XL-DR

Disc with Scotch-Brite™ compressed cloth, aluminium oxide or silicon carbide grains, different densities, Roloc™ quick release, small diameters.

- The range of compressed discs provides aggressiveness, resistance and durability (density 8), as flexibility, conformability and polishing capacity (density 2).
- Resists marring.
- Produces a clean, uniform and consistent finish.



APPLICATIONS
Brilliance and polishing preparation operations.

WORKED MATERIALS
Carbon steel, stainless and alloy steels, non-ferrous metals. For titanium, use of a silicon carbide disc is preferred.

GRAINS AND DIMENSIONS
A large, A medium, S fine grains.
Diam. 50 and 75 mm, densities 2 to 8.

RECOMMENDED OPERATING SPEEDS
60 to 80 m/s.

▶ REEL

BB-ZB

Scotch-Brite™ Bristle Radial brush, aluminium oxide and 3M™ Cubitron™ grains.

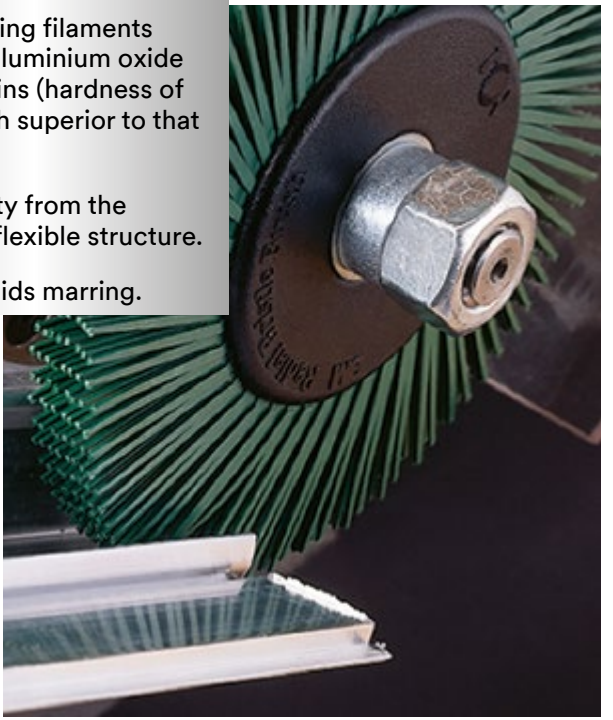
APPLICATIONS
Roughness attenuation on form parts.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
Type A grains: 36, 50, 80, type C: 80, 120, 220, 400, type S: 50, 80, 120.
Diam. 150 × 12 mm and 200 × 32 mm.

RECOMMENDED OPERATING SPEEDS
10 to 25 m/s.

- Part moulded from a single block and without metal: no threads or filaments coming loose when in use.
- Reel cutting tool using filaments impregnated with aluminium oxide and Cubitron™ grains (hardness of abrasive grain much superior to that of metal or wood).
- Large conformability from the three-dimensional flexible structure.
- Open structure avoids marring.



▶ REEL

DB-WL

Scotch-Brite™ wheel, silicon carbide grain.

APPLICATIONS
Roughness attenuation.

WORKED MATERIALS
All metals.

GRAINS AND DIMENSIONS
Type S fine and medium grains, densities 8 and 9.
Dimensions 150 × 25 × 25 mm, 150 × 13 × 25 mm,
200 × 25 × 76 mm, 200 × 50 × 76 mm, 200 × 13 × 76 mm,
200 × 75 × 76 mm, 200 × 13 × 25mm.

RECOMMENDED OPERATING SPEEDS
20 to 30 m/s.

- Available in different densities and dimensions to cover most deburring needs.
- The abrasive is constantly in contact with the worked part to produce a clean, uniform and regular finish over its entire service life.
- Ability to match the shape of the worked part while respecting its geometry/tolerance without digging.

EXPERTISE

3M abrasives are used all over the world, in all industrial markets, on most ferrous materials, non-ferrous metals, specific alloys, wood, plastics, composite materials, ceramics, glass, rubber, leather etc. They are used in multiple applications from sectioning, trimming, grinding and deburring to polishing and superfinishing.

DEDICATED TEAM

Conscious of the specificity of every activity, we provide our customers with a dedicated and engaged team regarding technical, marketing and commercial plans as well as the material means to facilitate your success and bring you an appropriate answer.

WEBSITE

Technical references, downloads, news, stay connected with indispensable information to realise your projects etc.

https://www.3m.co.uk/3M/en_GB/scotch-brite-industrial-uk/

3M United Kingdom PLC,
3M Centre, Cain Road,
Bracknell | RG12 8HT

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