



AN EXTENDED RANGE OF ABRASIVES

BEYOND YOUR EXPECTATIONS

3M

SUMMARY

Switch to Scotch-Brite™!



USER MANUAL



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

STRIPPING AND CLEANING

MANUAL USE

ANGLE GRINDER

STRAIGHT GRINDER

BACKSTAND

DEBURRING

ANGLE GRINDER

STRAIGHT GRINDER

ORBITAL SANDER

REEL

FINISHING

MANUAL USE

STRAIGHT GRINDER

REEL

BACKSTAND

POLISHING

ANGLE GRINDER

REEL



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.



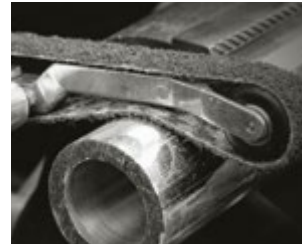
You want to



STRIPPING AND
CLEANING



DEBURR

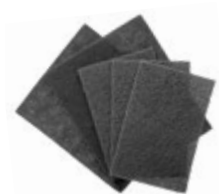


FINISH



POLISH

with



SHEET



DISC



WHEEL



BRUSH

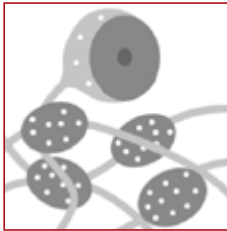


BAND

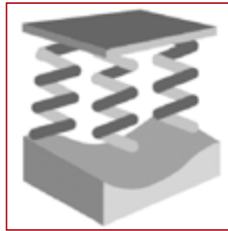
+ *simplicity* + *efficiency*...  Switch to Scotch-Brite™!

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



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



STRIPPING AND CLEANING



► BACKSTAND

SC-BL

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

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.



- 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.





► 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.

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.



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





► 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.

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 preparation.

GRAINS AND DIMENSIONS

50, 80, 120 grains.

Diam. 25, 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS

10 to 20 m/s.

- 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.



► 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).

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.



- 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.





► RETURN ANGLE GRINDER



SC-DR

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

APPLICATIONS

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

- 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.





► RETURN ANGLE GRINDER

XL-DR

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

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.



- 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.





► RETURN ANGLE GRINDER

XT-RD

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

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.



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





► 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.

APPLICATIONS

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

WORKED MATERIALS

All metals.

GRAINS AND DIMENSIONS

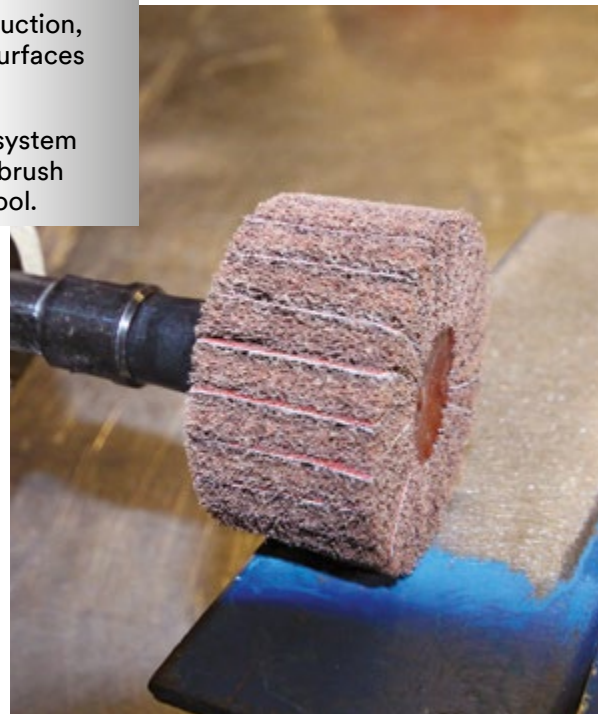
80, 120, 180 grains.
Dimensions: 63 × 32 mm.

RECOMMENDED OPERATING SPEEDS

20 to 30 m/s.



- 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.





► MANUAL USE



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

CF-SR

Scotch-Brite™ CF cloth, aluminium oxide grain.

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.

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.

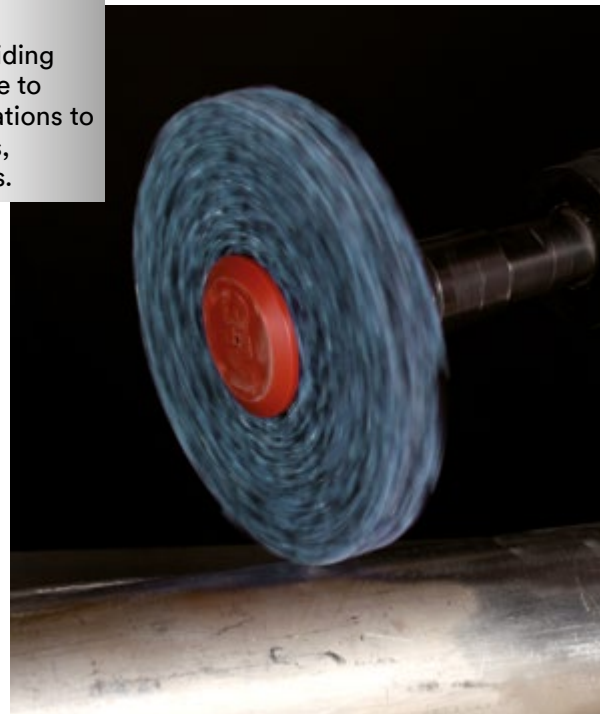
Dimensions 75 × 13 × 6 mm, 75 × 25 × 6 mm,
100 × 13 × 6 mm, 100 × 25 × 6 mm,
150 × 13 × 8 mm, 150 × 25 × 8 mm.

RECOMMENDED OPERATING SPEEDS

20 to 30 m/s.



- 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.





► 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.

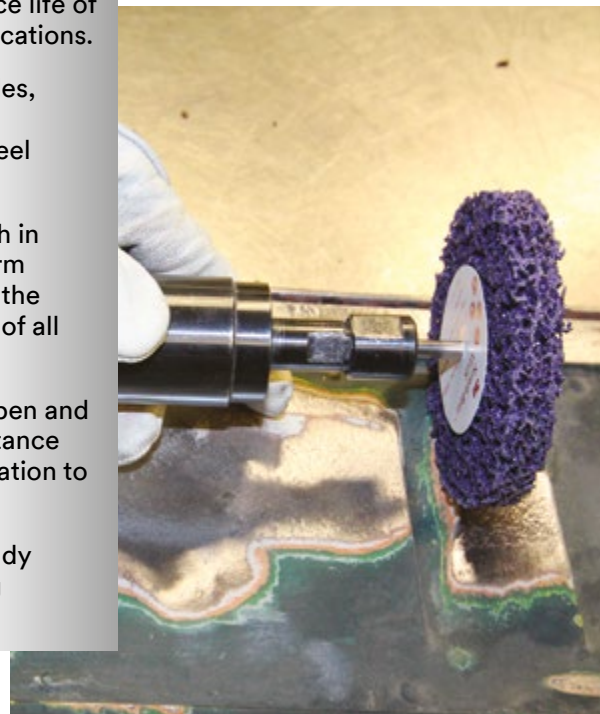
Dimensions 75 × 13 × 6 mm, 75 × 25 × 6 mm, 100 × 13 × 6 mm, 100 × 25 × 6mm, 150 × 13 × 8 mm, 150 × 25 × 8 mm.

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



DEBURRING



► RETURN ANGLE GRINDER

SC-DH

Scotch-Brite™ selfgripping disc.

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.



- 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.



► RETURN ANGLE GRINDER



XL-DR

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

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.

- 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.



► ORBITAL SANDER



SE-DH

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

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

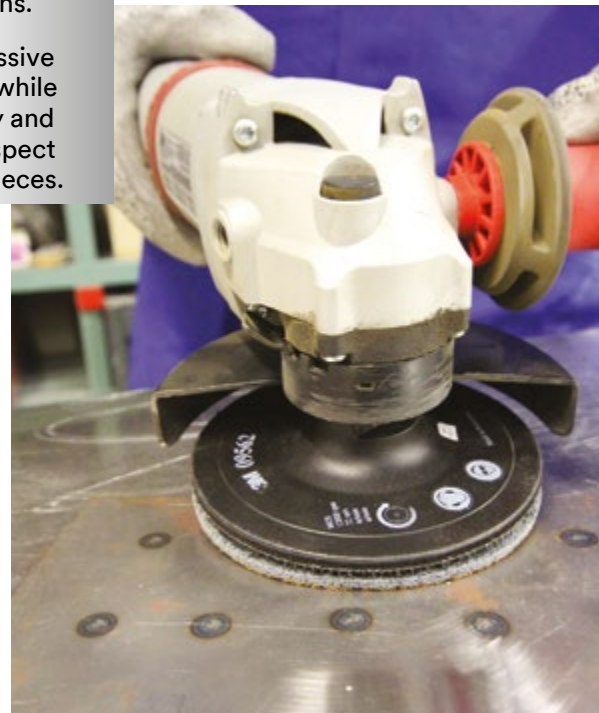
115 mm and 125 mm >10,000 rpm.

150 mm >8,000 rpm.

178 mm >6,000 rpm.

200 mm >4,500 rpm.

- 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.





► STRAIGHT GRINDER

BB-ZS

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

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.



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



► STRAIGHT GRINDER



RB-ZB

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

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

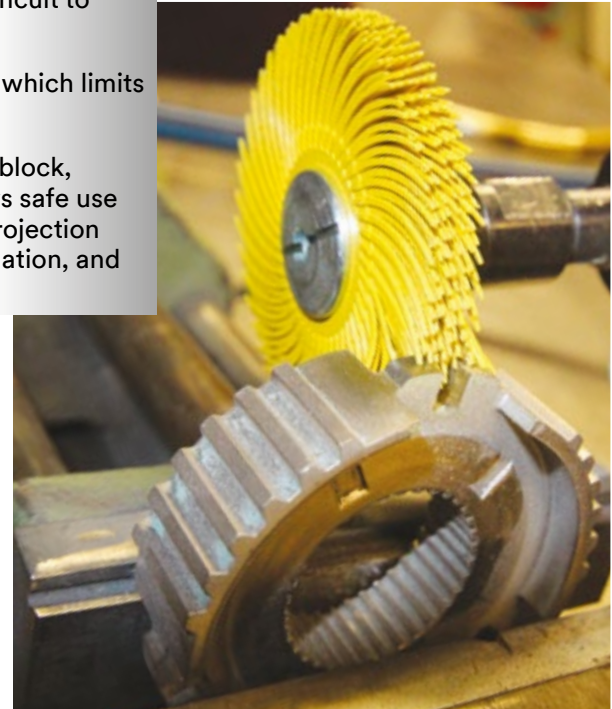
Grains: 36, 50, 80, 120, 220, 400.

Diam. 19, 25, 50 and 75 mm.

RECOMMENDED OPERATING SPEEDS

10 to 25 m/s.

- 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.





► 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

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.



- 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.





► REEL

DB-WL

Scotch-Brite™ deburring wheel in silicon carbide grain.

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.



- 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.



► REEL

XL-WL

Scotch-Brite™ deburring wheel in silicon carbide grain.

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.



- 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.



FINISHING



FINISHING

► BACKSTAND



- 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.

SC-BL/SC-BS

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

APPLICATIONS

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

WORKED MATERIALS

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

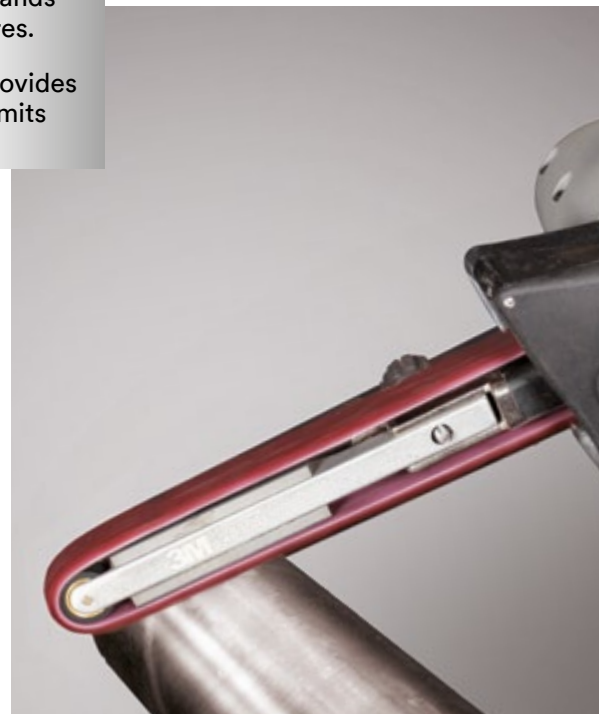
GRAINS AND DIMENSIONS

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

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.

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™ three-dimensional 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.

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

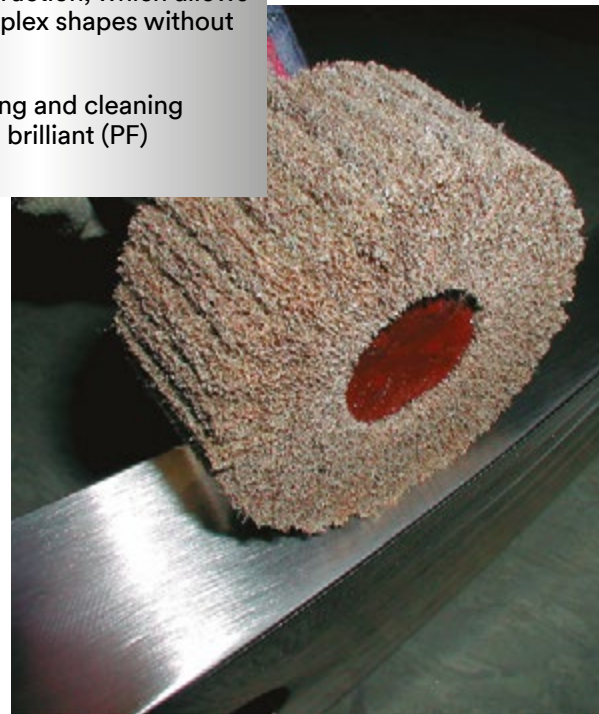
Diam. 50 mm >6,000-8,000 rpm.

Diam. 75 mm >3,500-6,000 rpm.

Diam. 100 mm >2,500-4,500 rpm.



- 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.



► REEL

CF-FB

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

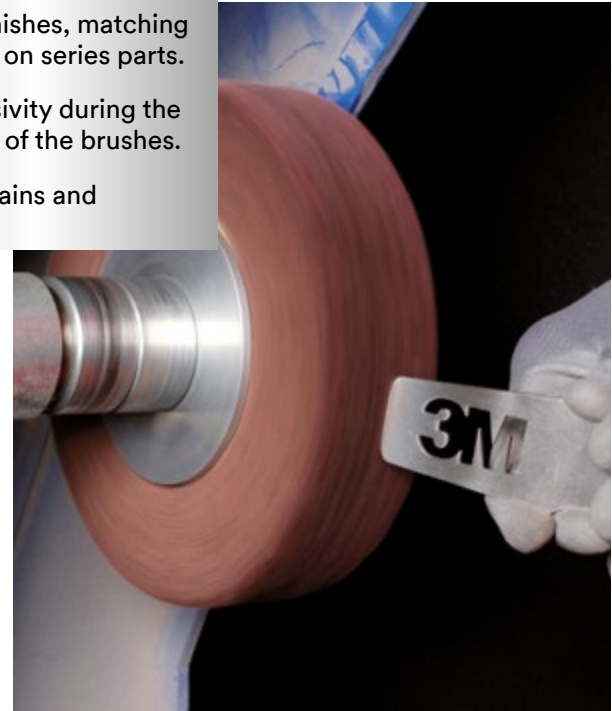
Dimensions 100 × 25 × 25 mm, 150 × 25 × 50 mm, 200 × 25 × 76 mm, 200 × 50 × 76 mm.

RECOMMENDED OPERATING SPEEDS

15 to 20 m/s.



- 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.



POLISHING



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.

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.



- 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.



► RETURN ANGLE GRINDER

SC-DR

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

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.



- 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.



► RETURN ANGLE GRINDER

XL-DR

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

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

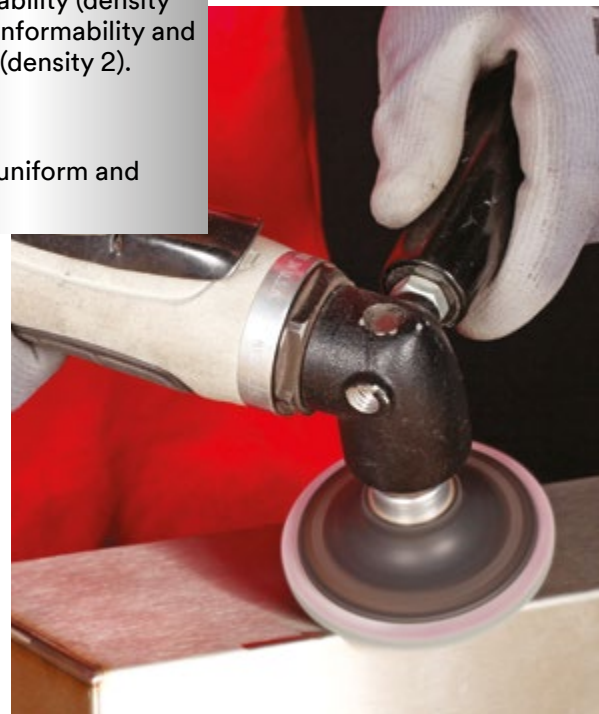
A large, A medium, S fine grains.
Diam. 50 and 75 mm, densities 2 to 8.

RECOMMENDED OPERATING SPEEDS

60 to 80 m/s.



- 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.



► 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.



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