

Scotch-Brite™

RS Surface Conditioning Discs

*The new generation of performance –
faster cut, longer life, and the finish you want*



2

Raising the standards – the latest purple* abrasive from 3M



Fastest cutting surface conditioning disc

4

5

With new Scotch-Brite™ RS Surface Conditioning Discs, you can raise your production and quality standards for blending, deburring, and finishing of any metal. This is the only family of abrasives to combine the conditioning quality of 3M non-woven technology with the aggressive cut of 3M patented **Cubitron™** abrasive grain. The following characteristics add up to high performance and value for even your most demanding applications:

- Higher cut rate to help reduce time, effort and cost per part
- Fewer abrasive steps for increased part through-put
- Less operator effort and pressure on the part
- Easy to use with minimal operator training
- Reduced chance for part gouging
- Longer life and more parts per disc with three-dimensional non-woven construction that resists loading and runs cool
- Fresh abrasive always available as the disc wears, providing reliable, consistent finishes

Longest lasting
surface conditioning
disc on all metals

3



High quality, uniform, burr-free finishes

Color-coded Grades

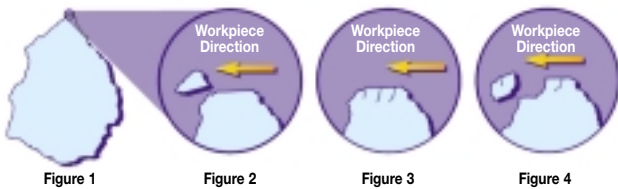
For ease in selecting the right grade for the job, the back of each purple disc is color-coded: brown for coarse; maroon for medium.

Symbol of the Toughest Abrasive Mineral Available

Cubitron™
Abrasive Grain



When you see the Cubitron mark, you're getting the only sol gel mineral that sharpens as it wears. Initial grinding breaks away small edges of the grain (2). As grinding continues, micro-fractures form (3) which break off to create fresh sharp edges for continued fast cutting (4). This process repeats throughout grinding for long-term efficiency and full value for your abrasive investment.



*** The Assurance of Purple**

The Purple color is a trademark of 3M. It's your assurance of getting authentic 3M quality and the latest in abrasive technology – a product manufactured to rigid standards for reliable performance and the lowest possible applied cost. RS surface conditioning discs earn the Purple color as the latest generation of Scotch-Brite products for fast, aggressive cutting.

Choices for easy mounting

TN Quick Change discs — integral mounting nuts attach directly to a tool (4 1/2", 5", and 7" diameters).



3M™ Roloc™ Discs — quick-threading attachments are available in metal TSM (1 1/2", 2", and 3" diameters); and plastic TR, TP, and TS fastening systems (1"-4" diameters).

Hook and Loop — loops on back of the disc mesh with hooks on the tool pad for secure reusable attachment that's easy to change (4 1/2"-48" diameters).



Case Histories

Applications	Results	Comments
Carbon steel, removing and finishing small corner welds	RS medium disc removed weld and left a paintable finish; replacing competitive 80 grit fibre and medium non-woven discs	Leaves a good paintable finish
Stainless steel corner weld blending and finishing	RS coarse disc removed 36 grit type 27 wheel scratch; eliminated a step by replacing competitive 80 grit fibre and medium non-woven discs	Fast cut and good finish
Aluminum weld blending and finishing	RS coarse disc eliminated type 27 wheel and outlasted coarse non-woven 3 to 1	Long life, fast cut and reduced chance of gouging

Stock Items

Scotch-Brite™ Roloc™ RS Surface Conditioning Discs

UPC Number 048011-	Diameter	Grade	Attachment	Maximum Operating Speed (MOS)	Discs per Case
29212-0	2"	Medium	Roloc TR	25,000	200
29211-3	2"	Coarse	Roloc TR	25,000	200
29214-4	3"	Medium	Roloc TR	18,000	100
29213-7	3"	Coarse	Roloc TR	18,000	100

3M™ Roloc™ Discs Pads (TR)

UPC Number 051144-	Diameter	Hardness	Maximum Operating Speed (MOS)	Holders per Case
45096-1	2"	Hard	25,000	5
45095-4	2"	Medium	25,000	5
45091-6	3"	Hard	20,000	5
45092-3	3"	Medium	18,000	5
1/4" threaded shaft needed with all Roloc Holders				
45102-9	1/4" Shank			1

Scotch-Brite™ RS Surface Conditioning Discs (Hook & Loop)

UPC Number 048011-	Diameter	Grade	Attachment	Maximum Operating Speed (MOS)	Discs per Case
29218-2	4 1/2"	Medium	Hook & Loop	13,000	50
29217-5	4 1/2"	Coarse	Hook & Loop	13,000	50
30189-1	4 1/2"	Coarse	7/8" CH	13,000	50
29220-5	5"	Medium	Hook & Loop	10,000	50
29219-9	5"	Coarse	Hook & Loop	10,000	50
29222-9	7"	Medium	Hook & Loop	6,000	25
29221-2	7"	Coarse	Hook & Loop	6,000	25
30159-4	7"	Coarse	7/8" CH	6,000	25

3M™ Disc Pad Holders (Hook & Loop)

UPC Number 048011-	Diameter	Hub/Shank	Maximum Operating Speed (MOS)	Holders per Case
14111-4	4 1/2"	5/8" - 11 Female	13,000	1
05680-7	5"	5/8" - 11 Female	10,000	1
09450-2	7"	5/8" - 11 Female	6,000	1

3M™ Disc Pad Face Plates

UPC Number 051144-	Diameter	Hardness	Color	Maximum Operating Speed (MOS)
14270-5	4 1/2"	Hard	Black	13,000
80514-3	7"	Extra Hard	Red Ribbed	8,500
45192-0	7"	Hard	Black	8,500

The lower of the disc or pad Maximum Operating Speed rating must always be used

For more information and assistance:

Contact your local 3M abrasive products distributor or 3M.

Contiguous 48 United States..... 1-800-742-9546
 Fax..... 1-800-852-4668
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 Canada..... 519-451-2500
 Hawaii..... 808-422-2721
 Northern Mexico..... 526-647-6000
 Puerto Rico 809-750-3000

IMPORTANT NOTICE TO PURCHASER

Product Use: User is responsible for determining whether the product is fit for a particular purpose and suitable for user's application.

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LIMITATION OF LIABILITY: Except where prohibited by law, 3M shall not be liable for direct, indirect, special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory.

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