

# 3M™ Radial Bristle Brush

*3M Expands The Versatility Of Its Bristle Technology With The Launch Of The New Radial Bristle Brush.*



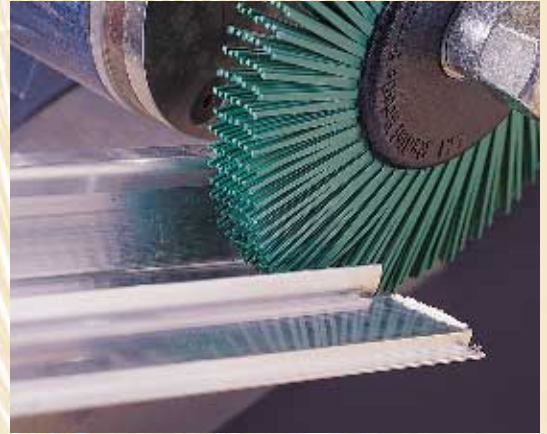
**3M** *Innovation*



# 3M™ Radial Bristle Brush

You have asked for a product that replaces the traditional wire brush and does not throw wires – this tough and flexible product replaces the wire brush but with the added benefit of not throwing wires. Not only are Radial Bristle Brushes inherently safer, but in most cases it will cut faster than a wire brush, leaving a uniform finish.

The versatility of 3M Bristle technology brings superior cleaning to a variety of surface areas. The 150mm Radial Bristle Brush works on most bench motors in place of wire brushes for general maintenance and production. The product can also be mounted to die grinder or flexible shaft machines for hand-tool applications.



## Why Use 3M Radial Bristle Brush?

### ■ Fast Cut Rate With More Consistent Finish

Due to its unique construction, the product contains a uniform concentration of Cubitron™ mineral which provides a higher cut rate than wire brushes for a faster, more uniform finish, reducing the possibility of scraping.

### ■ Promote Safety

The Radial Bristle Brush eliminates flying wires that are common with traditional wire brushes, making the product less hazardous and easier for the user.

### ■ Flexibility

The flexible bristles conform to the contours of the part and clean while being gentle to the base material, thereby helping to reduce damage and possible rework.

### ■ Long Performance Life

The abrasive-filled bristles apply a continuous, fresh supply of sharp Cubitron™ mineral to the work-piece. The unique construction of this product resists loading and gives a consistent performance (both cut and finish) throughout the whole life of the product.





# Typical Applications



■ **Weld Cleaning** - Especially on stainless steel the product gives an excellent finish, quickly, with no smear, even when the work-piece is hot.



■ **Light Deburring** - The Radial Bristle Brush deburrs quicker and more effectively than wire or nylon brushes, leaving a totally burr-free surface.



■ **General Cleaning** - Radial Bristle Brushes are an excellent tool for general cleaning and finishing on a variety of metals, without removing base material, reducing the chances of damage or reworking.

## Radial Bristle Brush Product Line

The 150mm Radial Bristle Brushes are available in three grades :

| GRADE   | APPLICATION                                     |
|---------|---|
| 36 Grit | Heavy Cleaning & Light Deburring Applications   |
| 50 Grit | General Cleaning & Light Deburring of Aluminium |
| 80 Grit | Cleaning & Finishing of Stainless Steel         |

**Key Markets For The 150mm Radial Bristle Brush are:**

- Metal Fabrication
- Aerospace
- Casting & Forging
- MRO
- Metal Engineering

## Radial Bristle Brush Product Line Details

### 3M Radial Bristle Brush

Complete brush with flanges and imperial adaptor

| Part Number | Size (mm) | Grade | Colour | Max RPM | Brushes Per Inner | Inners Per Outer |
|-------------|-----------|-------|--------|---------|-------------------|------------------|
| 27603       | 150 x 12  | 36    | Brown  | 10,000  | 1                 | 5                |
| 27605       | 150 x 12  | 50    | Green  | 10,000  | 1                 | 5                |
| 27606       | 150 x 12  | 80    | Yellow | 10,000  | 1                 | 5                |

### 3M Radial Bristle Brush - Refill Packs

Individual Bristle segments to replace old brushes, or create wider width brushes

| Part Number | Size (mm) | Grade | Colour | Max RPM | Segments Per Box |
|-------------|-----------|-------|--------|---------|------------------|
| 27620       | 150       | 36    | Brown  | 10,000  | 40               |
| 27622       | 150       | 50    | Green  | 10,000  | 40               |
| 27623       | 150       | 80    | Yellow | 10,000  | 40               |

### Accessories For Radial Bristle Brush

| Part Number | Description            | Colour | Max RPM | Quantity Per Box |
|-------------|------------------------|--------|---------|------------------|
| 30000       | Imperial Shaft Adaptor | Black  | 10,000  | 50               |
| 60007       | Metric Shaft Adaptor   | Silver | 10,000  | 5                |
| 27628       | Brush Flanges          | Black  | 10,000  | 25               |
| 09821       | 8mm Spindle Adaptor    | Black  | 10,000  | 10               |



# The 3M Bristle Family Of Products

## 3M™ Roloc™ Bristle Discs

The Roloc Bristle Disc is very effective at removing heavy coatings (rust, paint, sealant, glue, gaskets etc.), and its design allows it to conform to irregular surfaces, resisting loading and heat build-up.

On portable tools the product gives a much better finish than wire brushes or cup wheels, and will run at much higher speeds meaning even better productivity.

Available in three sizes (25mm, 50mm & 75mm) and three grades - 50 (green), 80 (yellow) & 120 grit (white).



## 3M™ Bristle Discs

The 3M Bristle Disc is a 115mm disc with an integral M14 thread for direct attachment to electric angle grinders. The product offers all the benefits of the Roloc product but has a more robust construction for the more aggressive angle grinder applications.

Available in three grades - 50 (green), 80 (yellow) & 120 grit (white).



**\* COMING SOON \* NEW PRODUCTS \* COMING SOON \***

## New 3M™ Radial Bristle Discs For High Precision Metal Products

The newly developed 50mm and 75mm Radial Bristle disc with a flexible body are designed for Deburring high precision, irregularly shaped metal parts in many hard to reach areas. It can also clean and blend machine marks on both soft and hard metals.

Available in two sizes (50mm and 75mm) and in a range of grades.

European Launch - Summer 2001.



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