

A revolutionary bristle disc that provides exceptional finish, outstanding performance, and a safer workplace

The Roloc™ Bristle Disc is an abrasive-filled product that makes deburring, blending, finishing, polishing, and cleaning surfaces easier than ever before. It has been designed to deliver high-quality finish and performance, but with the advantage of a safer operating environment.

Surface conditioning applications can be difficult with traditional wire and bristle products. Problems often arise when working inside tight corners, over uneven surfaces, or around obstructions. It can also be difficult to remove just the desired amount of surface material while still producing a quality finish. The Roloc bristle disc virtually eliminates these problems. It offers greater surface conformability and a more aggressive cut, while greatly enhancing performance, finish, and safety.

Designed for maximum versatility and universal application

A broad range of product sizes and grades provides greater versatility, making the Roloc bristle disc the ideal choice for many surface conditioning applications.

The Roloc bristle disc is a molded, abrasive-filled bristle disc for use on right angle tools. It is available in a wide variety of grades and bristle lengths, and 1, 2 and 3-inch sizes. The Roloc bristle disc is also very versatile; it can be used on most right angle die grinders, including CNC and robotic applications.

Performance and finish are better, plus it's faster

The Roloc bristle disc is designed to deliver exceptional performance and finish versus traditional wire and bristle cup and end brushes. It is made with 3M's patented Regalite mineral, providing tough, durable, and long-lasting performance when compared to conventional abrasives. Its three-dimensional construction ensures a controlled cut, eliminating undercutting and gouging, so it produces a better, more consistent finish. Even as the bristle disc wears away, fresh abrasive is continually exposed to the work surface, so performance doesn't diminish. And the bristle disc is more aggressive than wire brushes, so it gets the job done faster.

The high concentration of abrasive means a better cut and more uniform finish can be achieved, producing higher quality at a lower cost. The abrasive-filled bristle also produces a cleaner surface, which results in better adhesion of subsequent coatings and a better surface profile. Because it operates at speeds from 15,000–25,000 RPMs, it can be used on many of your existing right angle die grinders. In addition, the Roloc bristle disc runs cool to resist heat buildup; this helps eliminate heat damage and tempering of the work surface.



The Roloc bristle disc is appropriate for all typical surface conditioning applications, including deburring, which is shown here.



Everyday tasks such as paint removal, demonstrated here, are easier than ever before with the Roloc bristle disc.



The Roloc bristle disc is ideal for coating, defect, and scratch removal on aluminum surfaces found in aerospace applications.



Rust removal is only one of the maintenance and repair operations (MRO) which are made easier with the Roloc bristle disc.

The most convenient, easy-to-use bristle product available

The Roloc bristle disc dramatically improves productivity because it is so convenient and simple to use. Areas which were once difficult to clean, deburr, or finish completely are now within easy reach because the Roloc bristle disc's flexible design conforms to irregular surfaces. It is also designed to resist loading, so fewer disc changes are required.

The high maximum operating speed of the Roloc bristle disc means it can run on existing right angle die grinders — there's no need for special equipment. It is designed to work with the Roloc holder, which features a threaded attaching button on the back of each disc for quick and easy mounting to Roloc disc pads. In addition, downtime is reduced because the Roloc attachment system enables a quick change of abrasive products without a wrench or messy adhesives, plus it provides the ability to use several different products on one tool.

The Roloc system also provides the most convenient access to the whole family of 3M coated abrasives and surface conditioning products.

The danger from loose and flying wires is eliminated

With traditional wire brushes, the wires come loose and can injure operators. With the Roloc bristle disc, there is no danger of loose or flying wires because of its molded, one-piece construction. So it's safer, plus it produces additional labor savings because it can reduce injuries to operators.

The broadest range of metalworking applications

The Roloc bristle disc is appropriate for all typical surface conditioning applications, including deburring, blending, finishing, polishing, and cleaning. It can be utilized across the full spectrum of general metalworking applications. And it is ideal for coating, defect, and scratch removal on thin aluminum surfaces because it will not damage or gouge the base material.

Roloc™ Bristle Disc

Product Availability Chart

Size (Diameter)	Mineral Type	Trim	Grade
1"	Regalite	5/8"	50, 80, 120
2", 3"	Regalite	1/2", 5/8" tapered	50, 80, 120

Order Numbers

UPC Number 048011-	Size	Grade	Color	Trim (T=Tapered)	Maximum Operating Speed (MOS)	Each/Box	Boxes/Case
18698	1"	50	Green	5/8"	30,000	20	4
18706	1"	80	Yellow	5/8"	30,000	20	4
18710	1"	120	White	5/8"	30,000	20	4
18526	2"	50	Green	1/2"	25,000	10	4
18534	2"	80	Yellow	1/2"	25,000	10	4
18537	2"	120	White	1/2"	25,000	10	4
18730	2"	50	Green	5/8" T	25,000	10	4
18732	2"	80	Yellow	5/8" T	25,000	10	4
18733	2"	120	White	5/8" T	25,000	10	4
18527	3"	50	Green	1/2"	18,000	10	4
18535	3"	80	Yellow	1/2"	18,000	10	4
18538	3"	120	White	1/2"	18,000	10	4
18734	3"	50	Green	5/8" T	18,000	10	4
18736	3"	80	Yellow	5/8" T	18,000	10	4
18737	3"	120	White	5/8" T	18,000	10	4

Roloc Disc Pad Holders

UPC Number	Size	Hardness	Maximum Operating Speed (MOS)	Each/Box	Boxes/Case
Roloc					
051144-45101	1"	Medium	30,000	5	1
051144-45095	2"	Medium	25,000	5	1
051144-45096	2"	Hard	25,000	5	1
051144-45092	3"	Medium	18,000	5	1
051144-45091	3"	Hard	20,000	5	1
051144-45102	1/4"	Threaded Shaft	x	1	1

Introductory Packs

UPC Number	Intro Pack Number	Contents
120X	18696	982BS (2) ea. Roloc Bristle Disc, 2" x 5/8" tapered, 50X, 80X,
		(1) ea. Roloc Disc Pad Holder, 2", Hard
120X	18697	983BS (2) ea. Roloc Bristle Disc, 3" x 5/8" tapered, 50X, 80X,
		(1) ea. Roloc Disc Pad Holder, 3", Hard
120X	18694	982RS (3) ea. 3M 777F Roloc Discs, 2", 60YF, 80YF, 120YF
		(2) ea. Roloc Surface Conditioning Discs, 2", ACRS, AMED, AVFN, SSFN
		(2) ea. Roloc SE Surface Conditioning Discs, 2", ACRS
		(1) ea. Roloc EXL Unitized Wheels, 2", 2SFIN, 6AMED, 8ACRS
120X	18695	983RS (2) ea. Roloc Bristle Disc, 2" x 5/8" tapered, 50X, 80X,
		(1) ea. Roloc Disc Pad Holder, 2", Hard
		(3) ea. 3M 777F Roloc Discs, 3", 60YF, 80YF, 120YF
		(2) ea. Roloc Surface Conditioning Discs, 3", ACRS, AMED, AVFN, SSFN
		(2) ea. Roloc SE Surface Conditioning Discs, 3", ACRS
		(1) ea. Roloc EXL Unitized Wheels, 3", 2SFIN, 6AMED, 8ACRS
		(2) ea. Roloc Bristle Disc, 3" x 5/8" tapered, 50X, 80X,

For More Information and Assistance:

Contact your local 3M surface conditioning products distributor or 3M at the numbers listed below.

For the contiguous 48 United States

Call1-800-742-9546

Fax1-800-852-4668

For: Alaska907-522-5200

Canada519-451-2500

Hawaii808-422-2721

Northern Mexico.....915-599-4685

Puerto Rico809-750-3000

Important Notice

This brochure is intended to be an introductory summary of 3M surface conditioning products. The information provided is based on typical conditions and is believed to be reliable; however, due to the wide variety of intervening factors, 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms are available from 3M.

Read and follow instructions for use. Always use appropriate protective glasses, face shields and body protection. Do not exceed maximum operating RPMs. Use guides provided with machine. Follow safety operation procedures posted in work areas.

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