



XEBEC®

DEBURRING
TECHNOLOGIES

XEBEC BRUSH™ END TYPE

FEATURES

- Ideal for cutter-mark removal, polishing and finishing of parts with narrow features.
- Self-sharpening action on the cutting edge of the Ceramic Fiber tips of the Brush.
- Available in multiple styles for various applications.
- Can be used in machines and hand tools.

SPECIFICATIONS

Brush Color: **Pink, Red, White, Blue**

Styles Available: **Straight Brush, 100° Angled Tip (5mm only)**

Recommended Materials: **Hard and Soft Metals**

FOR USE WITH THE FOLLOWING TOOLS:

CNC or Robotic Machines: *Follow manufacturers instructions for proper mounting*

Rotary Tool: *Follow manufacturers instructions for proper mounting*



Always operate within the recommended range of maximum speed of rotation, depth of cut and feed rate.

PRECAUTIONS FOR USE

Do not exceed the maximum rotation speed for use.

Operating above the maximum rotation speed may result in tool breakage.

Ensure any dust or debris generated during processing is collected, and work area is kept clean.

Even if there is no abnormal condition observed in the test run, stop use immediately if an abnormality is observed.

Do not use the tool at an unreasonable angle or under excessive pressure.

Do not use the tool in any place with risk of fire or explosion.

Do not grind with, alter or fabricate the shaft.

CONDUCT A TEST

Conduct a test run for 1 minute or more before starting the operation and 3 minutes or more after changing a tool.

Check for any abnormality including excessive vibration or looseness in the mounting place of the tool.

OPERATOR SAFETY MEASURES

Use Protective Gear Always wear protective goggles, gloves and masks when operating the tool or entering the work area. Wear long sleeves, tight cuffs, and clothing to minimize skin exposure.

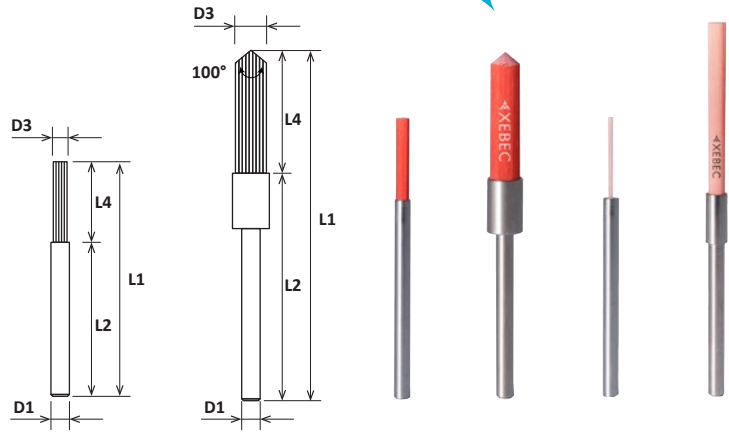
Take Caution Be cautious in surrounding area. Use of machines at high speed can cause flying debris within the work area. Dust or debris generated by operating process could be hazardous.



WARNING!

Use caution and follow all safety measures at all times. Failure to do so could result in injury. A tool or a part of a tool may crack, drop off, distort or break. Broken pieces of a tool or grinding dust may stick into skin or eyes and cause injury.

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Brush Size (D3)		Aggressiveness				D1 Shank Diameter		L1 Overall Length		L2 Shank Length		L4 Brush Length		Max RPM
MM	INCHES	Pink	Red	White	Blue	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	
1mm	0.039	30050 A13-EB01S	30054 A11-EB01S	-	-	3	0.118	52	2.047	37	1.457	15	0.591	15,000
1.5mm	0.059	30051 A13-EB015S	30055 A11-EB015S	-	-									
2mm	0.079	30052 A13-EB02S	30056 A11-EB02S	-	-									
2.5mm	0.098	30053 A13-EB025S	30057 A11-EB025S	-	-									
3mm	0.118	30014 A13-EB03M	-	-	-	3	0.118	67	2.638	28	1.102	30	1.181	6,000
5mm	0.19	-	60001 A11-EB06M	60002 A21-EB06M	60006 A32-EB06M	3	0.118	58	2.28	28	1.10	20	0.79	15,000

*60001, 60002 has 100 degree angled tip

Operating Parameters

EDP	Brush Diameter	Brush Color	End Type Brush Style	Part Number	Burr Root Thickness	Target Material Hardness	Starting Feed Rate	Starting Depth of Cut	Target Surface Finish	Starting RPM	Max. RPM
	30050	1 mm	Pink	Standard	A13-EB01S	Micro-fine	-	-	4 Ra or Better	8,000	15,000
	30051	1.5 mm	Pink	Standard	A13-EB015S	Micro-fine	-	-	4 Ra or Better	8,000	15,000
	30052	2 mm	Pink	Standard	A13-EB02S	Micro-fine	-	-	4 Ra or Better	8,000	15,000
	30053	2.5 mm	Pink	Standard	A13-EB025S	Micro-fine	-	-	4 Ra or Better	8,000	15,000
	30014	3 mm	Pink	Standard	A13-EB03M	Micro-fine	-	-	4 Ra or Better	4,000	6,000
	30054	1 mm	Red	Standard	A11-EB01S	Up to 0.004"	-	-	4 Ra	8,000	15,000
	30055	1.5 mm	Red	Standard	A11-EB015S	Up to 0.004"	-	-	4 Ra	8,000	15,000
	30056	2 mm	Red	Standard	A11-EB02S	Up to 0.004"	-	-	4 Ra	8,000	15,000
	30057	2.5 mm	Red	Standard	A11-EB025S	Up to 0.004"	-	-	4 Ra	8,000	15,000
	60001	5 mm	Red	100° Angled Tip	A11-EB06M	Up to 0.004"	-	-	4 Ra	7,000	15,000
	60002	5 mm	White	100° Angled Tip	A21-EB06M	Up to 0.006"	-	-	Up to 4 Ra	7,000	15,000
	60006	5 mm	Blue	100° Angled Tip	A32-EB06M	Up to 0.008"	-	-	Up to 4 Ra	7,000	15,000

ADDITIONAL LEARNING RESOURCES AVAILABLE ON OUR WEBSITE

3D Files (STEP, DXF), Dimensional Drawings and Safety Data Sheets (SDS)
deburringtechnologies.com/technical

Product Demonstration Videos
deburringtechnologies.com/video

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