

← Deburring steel tubing on an automated machine.



### Tube End Deburring Brushes

Cylindrical rotary brushes are an ideal media for production applications involving the batch deburring of the ends of tubing that has been cut-to-length. Automated brushing systems are readily available and considerably less expensive to purchase and operate than chamfering machines.

Brush deburring machines can be integrated with cut-off operations to eliminate work-in-process and increase throughput, and they are flexible enough to be quickly adjusted for various shapes, sizes, and lengths of tubing. Unlike chamfering operations, brush deburring does not leave secondary burrs, brushing equipment is more tolerant of slight variations in machine set-up and tube length, and quality brushes last much longer than cutting inserts on double-end finishers.

Tube end deburring brushes are most commonly manufactured as disposable assemblies which are then mounted onto keyed shafts. High-tensile steel, hard-drawn steel, and Type 302 stainless steel wire are the most common fill materials used in tube end deburring brushes. Weiler offers high quality brushes with wire sizes from .006 to .020 and four available levels of fill density so that the brushing performance can be tailored to the material, burr condition, and budget of the end-user.

### Replacement Tube End Deburring Brushes -

The brushes in the chart below are a few of the popular Weiler replacement brushes that are available for the most common tube end deburring machines.

Dia.	Face Width	Arbor Hole	Wire Size	Brush Density	Item No.
					Steel
10"	18"	3-1/4"	.014	General Purpose	07340
				High Performance	07341
12"	18"	3-1/4"	.014	General Purpose	07286
				High Performance	07342
12"	18"	3-1/4"	.020	General Purpose	07343
				High Performance	07344

\* The most common arbor hole sizes are 3-1/4" and 2" with 1/2" x 1/4" keyways. Other arbor holes are available upon request.

Contact your Weiler Sales Rep. or our Customer Service Department for price and availability.

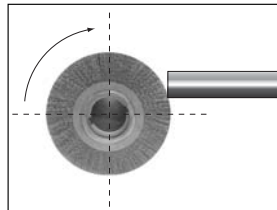
### Custom Tube End Deburring Brushes

Please use the appropriate specification sheet on the next page when requesting a quotation on a custom tube end deburring brush.

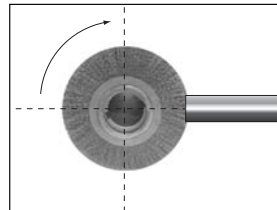


### Brush- Tube Orientation

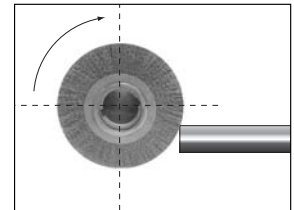
Brush-tube orientation determines which edges of the tube are deburred. The illustrations below show three orientations and the target edge.



Deburring Tube I.D.



Deburring Tube I.D. and O.D.



Deburring Tube O.D.



Call our Application Engineering Hotline at 888-299-APPS (2777). If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or your facility. Either way, Weiler will provide the most cost-effective solution for your specific application.