

Eagle Stainless is a leading supplier of ultra high precision, cut-to-length, stainless steel tubing and bar for medical, electronic, semi-conductor, industrial and aerospace applications. Our manufacturing facilities enable us to cut and deburr any diameter tubing in quantities from a single piece to millions. . . and from lengths of .040" and longer with standard tolerances of  $\pm .005$ . If you need even closer tolerances, talk to us. We have the desire and the capability to do what other suppliers can't!

# PRECISION TUBING

## World Class Burr-Free Cutting

- Burr-Free Production
- No Work Hardening
  - No ReCast
- Faster than EDM



Eagle Stainless Tube & Fabrication, Inc.  
10 Discovery Way • Franklin, MA 02038

# CUT-TO-LENGTH



### Ordering Your Tubing

Tubing is generally ordered to outside diameter and wall thickness, and is inventoried as Eagle Service Center Stock. Although tubing has three dimensions (O.D., I.D. and wall thickness) only two may be specified with tolerances; the third is theoretical. If inside diameter is the more important dimension for you, tubing can be specially produced by our mill to I.D. and wall, or to O.D. and I.D. dimensions. Tolerances in any tube are applicable only to two cross-sectional dimensions. Thus, if outside diameter and wall thickness are specified, the inside diameter may not necessarily conform to published tolerances.

### Grades of Stainless Steel

Grades are important depending on your application. One grade may be better than others for certain environments and uses (see pages 20 - 21).

### Get Tubing Cut to Exact Lengths

Our facilities enable us to cut and deburr any diameter tubing in quantities from 1 piece to 100,000 pieces or more. . . from lengths of 0.040" and longer. See the table at the right for standard cut to length tolerances. Closer tolerances are certainly possible. Talk to us!

Eagle Stainless Standard Cutting Tolerances				
Outside Diameter 0.008" - 0.019"				
OAL	.040" - 6"	6" - 18"	18" - 36"	36" - 80"
TOL	$\pm .010$	$\pm .030$	$\pm .060$	$\pm 1"$
Outside Diameter 0.020" - 0.755"				
OAL	.040" - 6"	6" - 18"	18" - 36"	36" - 80"
TOL	$\pm .005$	$\pm .010$	$\pm .030$	$\pm 1"$
Outside Diameter 0.756" - 2"				
OAL	.750" - 6"	6" - 18"	18" - 36"	36" - 80"
TOL	$\pm .010$	$\pm .030$	$\pm .060$	$\pm 1"$

### Finish of Tubing

Most stainless tubes are produced with a bright silvery finish, although in some cases a "pickled" or dull pewter finish is produced. Most of Eagle Stainless finishes are of the "Bright" variety. It is always suggested to specify the expected finish.

All cut-to-length materials are certified to applicable specifications