

U N I V E R S A L

Boiler Damper Controls

Bottle Capping

Surgical Tables

Submarine Periscopes

Paper Making Equip.

A P P L I C A T I O N S



Curtis Carries Corrosion-Resistant Joints For Special Applications

Many applications require corrosion-resistant universal joints to assure sanitation or to avoid premature oxidation or deterioration. Curtis stainless steel U-joints are particularly important, for example, to industries that use food processing equipment, and for machinery that comes in contact with corrosive chemicals or is exposed to water for long periods. Furnace applications also benefit from stainless steel, which better withstands high temperatures and other environmental extremes.

Curtis offers:

- 14 standard O.D. sizes
- 3/8" to 4" diameter
- 303 grade stainless steel in stock
- 304, 316 and other grades available by special order

For assistance in ordering your universal joints, please refer to the Curtis How to Order instructions on page 19. To check the static torque rating, weight and other characteristics of Standard Curtis Stainless Steel joints, please refer to the Selection Guide for single joints on page 13.

SELECTION GUIDE - STAINLESS STEEL SINGLE JOINTS 18-8 TYPE 303 STAINLESS, NON-MAGNETIC

MEET MILITARY SPEC. MIL-U-20625A, CLASS C

SOLID OR STANDARD BORED JOINTS		SOLID HUBS		STANDARD BORED HUBS, 1/2 OF O.D. ± .0001"	
Joint Diameter Tol ± .020"	Max. Static Torque Inch Pounds*	Catalog Number	Approx. Weight in Pounds	Catalog Number	Approx. Weight in Pounds
3/8"	100	SS641	.05	SS641B	.04
1/2"	375	SS642	.10	SS642B	.08
5/8"	610	SS643	.18	SS643B	.14
3/4"	1000	SS644	.30	SS644B	.24
7/8"	1350	SS645	.45	SS645B	.31
1"	1900	SS646	.66	SS646B	.50
1-1/8"	2200	SS647	.88	SS647B	.69
1-1/4"	3600	SS648	1.15	SS648B	.88
1-1/2"	7200	SS650	1.81	SS650B	1.44
1-3/4"	10700	SS651	2.86	SS651B	2.31
2"	15500	SS652	4.06	SS652B	3.31
2-1/2"	21000	SS653	8.25	SS653B	6.81
3"	34000	SS654	15.25	SS654B	12.50
4"	81000	SS655	31.30	SS655B	25.80

* Static Torque to 10° Deflection in Inch Pounds

Universal joint hub modifications are available in metric, which include but may not be limited to bores, keyways, set screw holes, square holes and hex holes. Contact the Curtis sales department for more information.

Joins Can Be Ordered with Protective Lubrication Covers (Boots)

Curtis inventories lubrication covers (boots) that can be installed at Curtis or on site. Curtis boots are recommended where harsh environments exist or where lubrication retention is a problem. Curtis joints do not require grooves to be machined on hubs to retain boots. **See our Boot Kits Selection Guide on page 17 for further details.**

note:

Stainless steel joints are dimensionally the same as alloy steel joints, except for O.D. tolerance. Use the Selection Guide above for O.D. tolerance; see the Selection Guide for Alloy Steel Joints on page 7 for additional details.

**ASK US ABOUT
OUR GUARANTEED
SAME DAY SHIPPING!**



Curtis Universal Joint Company, Inc.
P.O. Box 70038 • 4 Birnie Avenue • Springfield, MA 01107-0038
(413) 737-0281

TO ORDER OR FOR MORE INFORMATION: (888) 885-6468 fax (413) 737-8430 • www.curtisuniversal.com