

U N I V E R S A L

Depth Control Valves

Aircraft Machine Guns

Glass Manufacturing

Ship Reach Rods

Soft Ice Cream Mach.

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



## Non-Corrosive and Special Material Joints Will Handle Especially Rugged Jobs

**F**or marine and other applications which require unusually high non-corrosion standards, Curtis provides universal joints and parts in Alloy Steel, Stainless Steel, Bronze, Naval Brass, Aluminum-Bronze, Nickel-Aluminum-Bronze and Monel.

For assistance in ordering your universal joints and to determine the availability of special materials, call Curtis Universal at 888-885-6468

Use the Selection Guide provided on page 15 to check the dimensions, weight, and static torque rating of Curtis universal joints in naval brass.

We are always prepared to help you specify joints for special applications. Please call at any time for assistance in determining the torque rating or other specifications required for your particular application.

**SELECTION GUIDE - NAVAL BRASS JOINTS**  
**NAVY SPEC. MIL-N-994, COMP. A**  
 MEET MILITARY SPEC. MIL-U-20625A, CLASS B

*Curtis Inventories  
 Naval Brass Joints in  
 Popular Sizes. Call to  
 Check Availability.*

SOLID OR STANDARD BORED JOINTS		SOLID HUBS		STANDARD BORED HUBS, 1/2 OF O.D. ± .001"	
Joint Diameter Tol. ± .020"	Max. Static Torque Inch Pounds*	Catalog Number	Approx. Weight in Pounds	Catalog Number	Approx. Weight in Pounds
3/8"	75	BZ641	.06	BZ641B	.05
1/2"	200	BZ642	.11	BZ642B	.09
5/8"	470	BZ643	.20	BZ643B	.16
3/4"	750	BZ644	.33	BZ644B	.27
7/8"	900	BZ645	.50	BZ645B	.34
1"	1600	BZ646	.73	BZ646B	.55
1-1/8"	1900	BZ647	.97	BZ647B	.76
1-1/4"	2900	BZ648	1.27	BZ648B	.97
1-1/2"	4700	BZ650	1.99	BZ650B	1.58
1-3/4"	8800	BZ651	3.15	BZ651B	2.54
2"	13000	BZ652	4.47	BZ652B	3.64
2-1/2"	16000	BZ653	9.08	BZ653B	7.49
3"	28000	BZ654	16.78	BZ654B	13.75
4"	65000	BZ655	34.43	BZ655B	28.38

*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.*

\* Static Torque to 10° Deflection in Inch Pounds

**note:**

*Naval brass joints are dimensionally the same as alloy steel joints, except for O.D. tolerance. Use the Naval Brass 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](http://www.curtisuniversal.com)**