

turn-key / ready-to-use joints

U N I V E R S A L

Tractor Steering

Commercial Ovens

Bowling Alley Cleaning

Missile Containers

Snow Blowers

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



Curtis Bored Hub Universal Joints Are Even Simpler to Install

Manufacturers choose our TakeApart™ design for easy installation. But in some cases, Curtis Joints don't have to be disassembled at all! We supply a complete line of standard bored joints outfitted with standard keyways and set screws already installed. Talk about ease of matching connecting shafts! We call these U-joints Turn-Key Joints because they truly are complete and ready to go.

In alloy steel, we have all standard sizes

available in stock, ranging from 3/8" to 4" O.D. with standard bores (one-half of the O.D.), keyways and installed set screws. The 3/8" and 1/2" joints come with set screws only, while other standard O.D. sizes include keyways. Joints 7/8" or larger have Curtis' simple TakeApart feature to allow for more specialized modification.

Our large inventory allows O.E.M.'s and users delivery on demand.

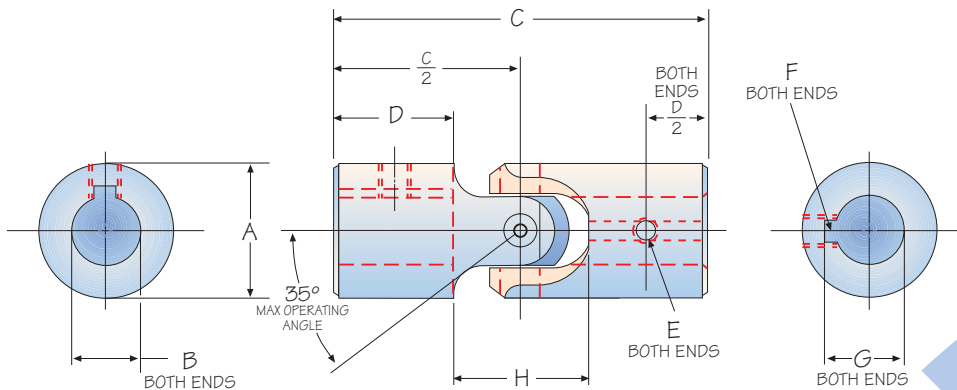


SELECTION GUIDE - TURN-KEY JOINTS ALLOY STEEL TURN-KEY / READY-TO-USE CURTIS JOINTS

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

SINGLE JOINTS		BREAKING LOADS		DIMENSIONS OF STANDARD JOINTS IN INCHES							APPROX. WEIGHT IN POUNDS
Standard Bored Hubs w/ Keyway & 1 Set Screw Ea. End*	Static Torque Rating	Compression or Tension Load	Outside Dia. "A"	Bore Dia. "B"	Total Length "C"	Hub/Bore Length "D"	Set Screw Size "E"	Keyway Size "F"	Far Side to Bottom of K/W "G"	Shaft to Shaft Distance "H"	
Cat. No.	Inch Pounds	Pounds	+0.000 -0.003	±.001	±1/64 **±1/32	±1/64	Unified Std. Threads Class 3B	Commercial Tolerance	+0.010 -0.000		
CJ641B1SS*	140	—	3/8"	3/16"	1-3/4"	11/16"	2-56 NC	—	—	3/8"	.04
CJ642B1SS*	425	1200	1/2"	1/4"	2"	3/4"	4-40 NC	—	—	1/2"	.08
CJ643BK1SS	900	2000	5/8"	5/16"	2-1/4"	13/16"	10-32 NF	3/32" x 3/64"	.352"	5/8"	.14
CJ644BKW1SS	1610	3200	3/4"	3/8"	2-11/16"	31/32"	10-32 NF	3/32" x 3/64"	.416"	3/4"	.24
CJ645BKW1SS	1800	4600	7/8"	7/16"	3"	1-1/32"	10-32 NF	3/32" x 3/64"	.480"	15/16"	.31
CJ646BKW1SS	3050	5600	1"	1/2"	3-3/8"	1-3/16"	1/4-20 NC	1/8" x 1/16"	.555"	1"	.50
CJ647BKW1SS	3500	6000	1-1/8"	9/16"	3-1/2"	1-7/32"	1/4-20 NC	1/8" x 1/16"	.618"	1"	.69
CJ648BKW1SS	5500	8800	1-1/4"	5/8"	3-3/4"	1-1/4"	5/16-18 NC	3/16" x 3/32"	.705"	1-1/4"	.88
CJ650BKW1SS	9000	14000	1-1/2"	3/4"	4-1/4"	1-11/32"	5/16-18 NC	3/16" x 3/32"	.832"	1-9/16"	1.44
CJ651BKW1SS	14000	18000	1-3/4"	7/8"	**5"	1-9/16"	5/16-18 NC	3/16" x 3/32"	.958"	1-7/8"	2.31
CJ652BKW1SS	22000	25000	2"	1"	**5-7/16"	1-5/8"	3/8-16 NC	1/4" x 1/8"	1.109"	2-3/16"	3.31
CJ653BKW1SS	32000	35000	2-1/2"	1-1/4"	**7"	2-3/32"	3/8-16 NC	1/4" x 1/8"	1.363"	2-13/16"	6.81
CJ654BKW1SS	55000	—	3"	1-1/2"	**9"	2-27/32"	1/2-13 NC	3/8" x 3/16"	1.663"	3-5/16"	12.5
CJ655BKW1SS	131000	—	4"	2"	**10-5/8"	3-1/8"	1/2-13 NC	1/2" x 1/4"	2.219"	4-3/8"	25.8

* Furnished with one (1) set screw each hub only (no keyway)



note:

Curtis standard single universal joints will operate through angles of 35°. For applications requiring greater angles, special design can be employed, enabling the joint to operate at angles up to 45°.

**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



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.