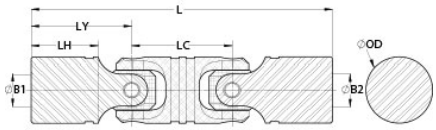
UD12-XX-XX-SS

Ruland UD12-XX-XX-SS, Machinable Bore Double Universal Joint, Friction Bearing, Steel, 0.745" (18.9mm) OD, 3.813" (96.9mm) Length





Description

Ruland UD12-XX-XX-SS is a double cardan friction bearing universal joint with plain bores that can be machined to a bore size and geometry of the user's choice. It has a 0.745" (18.9mm) OD and 3.813" (96.9mm) length. UD12-XX-XX-SS is ideal for applications with wide distances between shafts and can accommodate all forms of misalignment. This plain bearing double universal joint is comprised of pins and blocks that are precision machined, selectively heat treated, and ground for high strength, accuracy, and wear resistance. The combination of these components with precision ground and hardened yoke ears allow for a longer lifespan, increased performance in demanding applications, and greater angular misalignment of up to 90° when compared to commodity style double universal joints. UD12-XX-XX-SS is made from high grade stainless steel for increased corrosion resistance. It can be combined with boot UBOOT12/19-NI-KIT to protect the joints from unwanted contaminants such as dust or water and self lubricate reducing maintenance time. This double cardan universal joint is manufactured in the USA by Belden Universal for strict control of processes.

Product Specifications

Bore (B1)	No Bore	**Small Bore (B2)**	No Bore
B1 Max Shaft Penetration	0.950 in (24.1 mm)	**B2 Max Shaft Penetration**	0.950 in (24.1 mm)
Joint Outer Diameter (OD)	0.745 in (18.9 mm)	**Length (L)**	3.813 in (96.9 mm)
Center Yoke Length (LC)	1.125 in (28.6 mm)	**Yoke Length (LY)**	1.344 in (34.1 mm)
Hub Depth (LH)	0.950 in (24.1 mm)	**Max Round Bore (Inch)**	0.4531 in
Max Round Bore (Metric)	11 mm	**Max Hex or Square Bore (Inch)**	0.4375 in
Max Hex or Square Bore (Metric)	10 mm	**Max Blind Bore (Inch)**	0.6250 in
Max Blind Bore (Metric)	15 mm	**Max Round Bore w/ Key (Inch)**	7/16" Bore, 3/32" Keyway
Max Round Bore w/ Key (Metric)	12mm Bore, 4mm Keyway	**Peak Torque**	790 in-lb (89.3 Nm)
Rated Torque	158 in-lb (17.9 Nm)	**Max Operating Angle**	90°
Material Specification	Yokes: 303 Stainless Steel Pins and Blocks: 416 Stainless Steel	**Manufacturer**	Belden Universal
Country of Origin	USA	**Weight (lbs)**	0.397000
Recommended Lubricant	LUBRIPLATE No. 1200-2	**Matching Boot Cover**	UBOOT12/19-NI-KIT
UPC	634529288306	**Tariff Code**	8483.60.4000
UNSPC	25173810		
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Prop 65	⚠**WARNING** This product can expose you to the chemical Nickel (metallic), known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.		