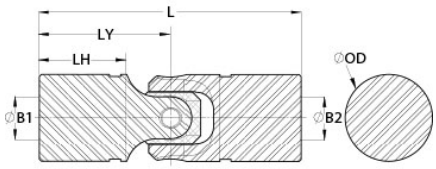
US24-XX-XX-F

Ruland US24-XX-XX-F, Machinable Bore Single Universal Joint, Friction Bearing, Steel, 1.495" (38.0mm) OD, 4.250" (108.0mm) Length





Description

Ruland US24-XX-XX-F is a single cardan friction bearing universal joint with friction bores that can be machined with a bore size and geometry of the user's choice. It has a 1.495" (38.0mm) OD and 4.250" (108.0mm) length. US24-XX-XX-F is ideal for applications with space constraints and has higher torque capacity than equivalently sized double universal joints. This plain bearing 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 45° when compared to commodity style single universal joints. US24-XX-XX-F is made from high grade alloy steel for durability and high strength. It can be combined with boot UBOOT24/38-NI-KIT to protect the joint from unwanted contaminants such as dust or water and self lubricate reducing maintenance time. This single 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	1.400 in (35.6 mm)	**B2 Max Shaft Penetration**	1.400 in (35.6 mm)
Joint Outer Diameter (OD)	1.495 in (38.0 mm)	**Length (L)**	4.250 in (108.0 mm)
Yoke Length (LY)	2.125 in (54.0 mm)	**Hub Depth (LH)**	1.400 in (35.6 mm)
Max Round Bore (Inch)	0.875 in	**Max Round Bore (Metric)**	22 mm
Max Hex or Square Bore (Inch)	0.7500 in	**Max Hex or Square Bore (Metric)**	20 mm
Max Blind Bore (Inch)	1.2500 in	**Max Blind Bore (Metric)**	31 mm
Max Round Bore w/ Key (Inch)	7/8" Bore, 3/16" Keyway	**Max Round Bore w/ Key (Metric)**	22mm Bore, 6mm Keyway
Peak Torque	10000 in-lb (1129.8 Nm)	**Rated Torque**	2,000 in-lb (226.0 Nm)
Max Operating Angle	45°	**Material Specification**	Alloy Steel
Manufacturer	Belden Universal	**Country of Origin**	USA
Weight (lbs)	1.813000	**Recommended Lubricant**	LUBRIPLATE No. 1200-2
Matching Boot Cover	UBOOT24/38-NI-KIT	**UPC**	634529289822
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 Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.		