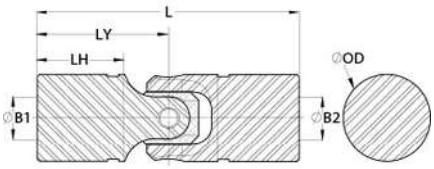
US40-XX-XX-F

Ruland US40-XX-XX-F, Machinable Bore Single Universal Joint, Friction Bearing, Steel, 2.495" (63.4mm) OD, 7.000" (177.8mm) Length









Description

Ruland US40-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 2.495" (63.4mm) OD and 7.000" (177.8mm) length. US40-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. US40-XX-XX-F is made from high grade alloy steel for durability and high strength. It can be combined with boot UBOOT40/64-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	2.090 in (53.1 mm)	**B2 Max Shaft Penetration**	2.090 in (53.1 mm)
Joint Outer Diameter (OD)	2.495 in (63.4 mm)	**Length (L)**	7.000 in (177.8 mm)
Yoke Length (LY)	3.500 in (88.9 mm)	**Hub Depth (LH)**	2.090 in (53.1 mm)
Max Round Bore (Inch)	1.4375 in	**Max Round Bore (Metric)**	36 mm
Max Hex or Square Bore (Inch)	1.2500 in	**Max Hex or Square Bore (Metric)**	35 mm
Max Blind Bore (Inch)	2.0000 in	**Max Blind Bore (Metric)**	50 mm
Max Round Bore w/ Key (Inch)	1-1/2" Bore, 3/8" Keyway	**Max Round Bore w/ Key (Metric)**	38mm Bore, 10mm Keyway
Rated Torque	6,400 in-lb (723.1 Nm)	**Max Operating Angle**	45°
Material Specification	Alloy Steel	**Manufacturer**	Belden Universal
Country of Origin	USA	**Weight (lbs)**	7.931000
Recommended Lubricant	LUBRIPLATE No. 1200-2	**Matching Boot Cover**	UBOOT40/64-NI-KIT
UPC	63452929000	**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.		