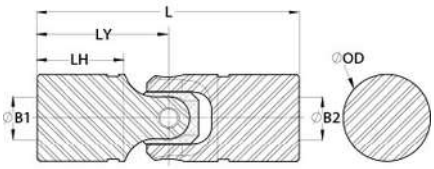
US18-XX-XX-SS

Ruland US18-XX-XX-SS, Machinable Bore Single Universal Joint, Friction Bearing, Stainless Steel, 1.120" (28.4mm) OD, 3.500" (88.9mm) Length









Description

Ruland US18-XX-XX-SS 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 1.120" (28.4mm) OD and 3.500" (88.9mm) length. US18-XX-XX-SS 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. US18-XX-XX-SS is made from high grade stainless steel for increased corrosion resistance. It can be combined with boot UBOOT18/29-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	1.220 in (31.0 mm)	**B2 Max Shaft Penetration**	1.220 in (31.0 mm)
Joint Outer Diameter (OD)	1.120 in (28.4 mm)	**Length (L)**	3.500 in (88.9 mm)
Yoke Length (LY)	1.750 in (44.5 mm)	**Hub Depth (LH)**	1.220 in (31.0 mm)
Max Round Bore (Inch)	0.625 in	**Max Round Bore (Metric)**	15 mm
Max Hex or Square Bore (Inch)	0.6250 in	**Max Hex or Square Bore (Metric)**	14 mm
Max Blind Bore (Inch)	0.8750 in	**Max Blind Bore (Metric)**	22 mm
Max Round Bore w/ Key (Inch)	5/8" Bore, 3/16" Keyway	**Max Round Bore w/ Key (Metric)**	16mm Bore, 5mm Keyway
Peak Torque	2250 in-lb (254.2 Nm)	**Rated Torque**	450 in-lb (50.8 Nm)
Max Operating Angle	45°	**Material Specification**	Yokes: 303 Stainless Steel Pins and Blocks: 416 Stainless Steel
Manufacturer	Belden Universal	**Country of Origin**	USA
Weight (lbs)	0.875000	**Recommended Lubricant**	LUBRIPLATE No. 1200-2
Matching Boot Cover	UBOOT18/29-NI-KIT	**UPC**	634529289723
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.		