



US20-1/2"-12MM-F

Ruland US20-1/2"-12MM-F, 1/2" x 12mm Single Universal Joint, Friction Bearing, Steel, 1.245" (31.6mm) OD, 3.750" (95.3mm) Length



Description

Ruland US20-1/2"-12MM-F is a single cardan friction bearing universal joint with 0.5000" x 12mm bores, 1.245" (31.6mm) OD, and 3.750" (95.3mm) length. It 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. US20-1/2"-12MM-F is made from high grade alloy steel for durability and high strength. It can be combined with boot UBOOT20/32-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)	0.5000 in	Small Bore (B2)	12 mm
B1 Max Shaft Penetration	1.250 in (31.8 mm)	B2 Max Shaft Penetration	1.250 in (31.8 mm)
Joint Outer Diameter (OD)	1.245 in (31.6 mm)	Bore Tolerance	+0.0010 in / -0.0000 in (+0.025 mm / -0.000 mm)
Length (L)	3.750 in (95.3 mm)	Yoke Length (LY)	1.875 in (47.6 mm)
Hub Depth (LH)	1.250 in (31.8 mm)	Peak Torque	5,200 in-lb (587.5 Nm)
Rated Torque	1,040 in-lb (117.5 Nm)	Max Operating Angle	45°
Material Specification	Alloy Steel	Manufacturer	Belden Universal
Country of Origin	USA	Recommended Lubricant	LUBRIPLATE No. 1200-2
Matching Boot Cover	UBOOT20/32-NI-KIT	UPC	63452933119
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.