



US20-12MM-12MM-F

Ruland US20-12MM-12MM-F, 12mm x 12mm Single Universal Joint, Friction Bearing, Steel, 31.6mm OD, 95.3mm Length



Description

Ruland US20-12MM-12MM-F is a single cardan friction bearing universal joint with 12mm x 12mm bores, 31.6mm OD, and 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. US20-12MM-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)	12 mm	Small Bore (B2)	12 mm
B1 Max Shaft Penetration	31.8 mm	B2 Max Shaft Penetration	31.8 mm
Joint Outer Diameter (OD)	31.6 mm	Bore Tolerance	+0.025 mm / -0.000 mm
Length (L)	95.3 mm	Yoke Length (LY)	47.6 mm
Hub Depth (LH)	31.8 mm	Peak Torque	587.5 Nm
Rated Torque	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	63452933121
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 .		