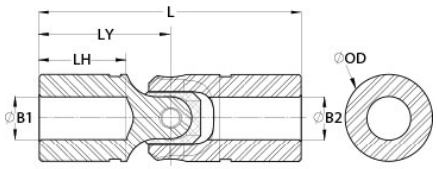
# US24-20MM-12MM-SS

Ruland US24-20MM-12MM-SS, 20mm x 12mm Single Universal Joint, Friction Bearing, Stainless Steel, 38.0mm OD, 108.0mm Length






## Description

Ruland US24-20MM-12MM-SS is a single cardan friction bearing universal joint with 20mm x 12mm bores, 38.0mm OD, and 108.0mm 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. US24-20MM-12MM-SS is made from high grade stainless steel for increased corrosion resistance. 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

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|---|---|---|---|
| **Bore (B1)** | 20 mm | **Small Bore (B2)** | 12 mm |
| **B1 Max Shaft Penetration** | 35.6 mm | **B2 Max Shaft Penetration** | 35.6 mm |
| **Joint Outer Diameter (OD)** | 38.0 mm | **Bore Tolerance** | +0.025 mm / -0.000 mm |
| **Length (L)** | 108.0 mm | **Yoke Length (LY)** | 54.0 mm |
| **Hub Depth (LH)** | 35.6 mm | **Peak Torque** | 819.1 Nm |
| **Rated Torque** | 163.8 Nm | **Max Operating Angle** | 45° |
| **Material Specification** | Yokes: 303 Stainless Steel<br>Pins and Blocks: 416 Stainless Steel | **Manufacturer** | Belden Universal |
| **Country of Origin** | USA | **Recommended Lubricant** | LUBRIPLATE No. 1200-2 |
| **Matching Boot Cover** | UBOOT24/38-NI-KIT | **UPC** | 63452933198 |
| **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. | | |