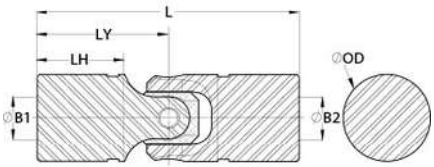
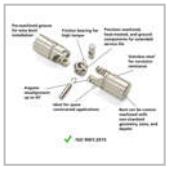
# US32-XX-XX-SS-KIT

Ruland US32-XX-XX-SS-KIT, Machinable Bore Single Universal Joint Kit, Friction Bearing, Stainless Steel, 1.995" (50.7mm) OD, 5.500" (139.7mm) Length







## Description

Ruland US32-XX-XX-SS-KIT is a single cardan friction bearing universal joint kit that can be machined with a bore size and geometry of the user's choice. It has a 1.995" (50.7mm) OD and 5.500" (139.7mm) length. US32-XX-XX-SS-KIT 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. US32-XX-XX-SS-KIT is made from high grade stainless steel for increased corrosion resistance. It can be combined with boot UBOOT32/51-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)** | No Bore | **Small Bore (B2)** | No Bore |
| **B1 Max Shaft Penetration** | 1.700 in (43.2 mm) | **B2 Max Shaft Penetration** | 1.700 in (43.2 mm) |
| **Joint Outer Diameter (OD)** | 1.995 in (50.7 mm) | **Length (L)** | 5.500 in (139.7 mm) |
| **Yoke Length (LY)** | 2.750 in (69.9 mm) | **Hub Depth (LH)** | 1.700 in (43.2 mm) |
| **Max Round Bore (Inch)** | 1.1875 in | **Max Round Bore (Metric)** | 30 mm |
| **Max Hex or Square Bore (Inch)** | 1.1250 in | **Max Hex or Square Bore (Metric)** | 30 mm |
| **Max Blind Bore (Inch)** | 1.5000 in | **Max Blind Bore (Metric)** | 38 mm |
| **Max Round Bore w/ Key (Inch)** | 1-3/16" Bore, 1/4" Keyway | **Max Round Bore w/ Key (Metric)** | 30mm Bore, 8mm Keyway |
| **Peak Torque** | 15600 in-lb (1762.6 Nm) | **Rated Torque** | 3,120 in-lb (352.5 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 |
| **Weight (lbs)** | 4.188000 | **Recommended Lubricant** | LUBRIPLATE No. 1200-2 |
| **Matching Boot Cover** | UBOOT32/51-NI-KIT | **UPC** | 634529289976 |
| **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. | | |