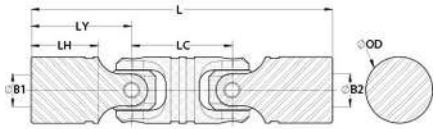
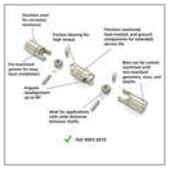
# UD20-XX-XX-SS-KIT

Ruland UD20-XX-XX-SS-KIT, Machinable Bore Double Universal Joint Kit, Friction Bearing, Stainless Steel, 1.245" (31.6mm) OD, 5.625" (142.9mm) Length







## Description

Ruland UD20-XX-XX-SS-KIT is a double cardan friction bearing universal joint kit that can be machined with a bore size and geometry of the user's choice. It has a 1.245" (31.6mm) OD and 5.625" (142.9mm) length. UD20-XX-XX-SS-KIT is ideal for applications with wide distances between shafts and can accommodate all forms of misalignment. This plain bearing double 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 90° when compared to commodity style double universal joints. UD20-XX-XX-SS-KIT is made from high grade stainless steel for increased corrosion resistance. It can be combined with boot UBOOT20/32-NI-KIT to protect the joints from unwanted contaminants such as dust or water and self lubricate reducing maintenance time. This double 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** | 1.250 in (31.8 mm) | **B2 Max Shaft Penetration** | 1.250 in (31.8 mm) |
| **Joint Outer Diameter (OD)** | 1.245 in (31.6 mm) | **Length (L)** | 5.625 in (142.9 mm) |
| **Center Yoke Length (LC)** | 1.875 in (47.6 mm) | **Yoke Length (LY)** | 1.875 in (47.6 mm) |
| **Hub Depth (LH)** | 1.250 in (31.8 mm) | **Max Round Bore (Inch)** | 0.750 in |
| **Max Round Bore (Metric)** | 19 mm | **Max Hex or Square Bore (Inch)** | 0.7500 in |
| **Max Hex or Square Bore (Metric)** | 16 mm | **Max Blind Bore (Inch)** | 1.0000 in |
| **Max Blind Bore (Metric)** | 25 mm | **Max Round Bore w/ Key (Inch)** | 3/4" Bore, 3/16" Keyway |
| **Max Round Bore w/ Key (Metric)** | 19mm Bore, 6mm Keyway | **Peak Torque** | 3060 in-lb (345.7 Nm) |
| **Rated Torque** | 612 in-lb (69.1 Nm) | **Max Operating Angle** | 90° |
| **Material Specification** | Yokes: 303 Stainless Steel<br>Pins and Blocks: 416 Stainless Steel | **Manufacturer** | Belden Universal |
| **Country of Origin** | USA | **Weight (lbs)** | 1.597000 |
| **Recommended Lubricant** | LUBRIPLATE No. 1200-2 | **Matching Boot Cover** | UBOOT20/32-NI-KIT |
| **UPC** | 634529288559 | **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. | | |