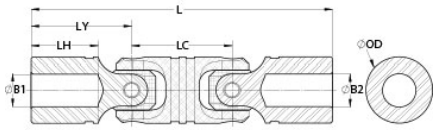
# UD12-8MM-5/16"-SS

Ruland UD12-8MM-5/16"-SS, 8mm x 5/16" Double Universal Joint, Friction Bearing, Stainless Steel, 0.745" (18.9mm) OD, 3.813" (96.9mm) Length






## Description

Ruland UD12-8MM-5/16"-SS is a double cardan friction bearing universal joint with 8mm x 0.3125" bores, 0.745" (18.9mm) OD, and 3.813" (96.9mm) length. It 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. UD12-8MM-5/16"-SS is made from high grade stainless steel for increased corrosion resistance. It can be combined with boot UBOOT12/19-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)** | 8 mm | **Small Bore (B2)** | 0.3125 in |
| **B1 Max Shaft Penetration** | 0.950 in (24.1 mm) | **B2 Max Shaft Penetration** | 0.950 in (24.1 mm) |
| **Joint Outer Diameter (OD)** | 0.745 in (18.9 mm) | **Bore Tolerance** | +0.0010 in / -0.0000 in (+0.025 mm / -0.000 mm) |
| **Length (L)** | 3.813 in (96.9 mm) | **Center Yoke Length (LC)** | 1.125 in (28.6 mm) |
| **Yoke Length (LY)** | 1.344 in (34.1 mm) | **Hub Depth (LH)** | 0.950 in (24.1 mm) |
| **Peak Torque** | 790 in-lb (89.3 Nm) | **Rated Torque** | 158 in-lb (17.9 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 |
| **Recommended Lubricant** | LUBRIPLATE No. 1200-2 | **Matching Boot Cover** | UBOOT12/19-NI-KIT |
| **UPC** | 63452931596 | **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. | | |