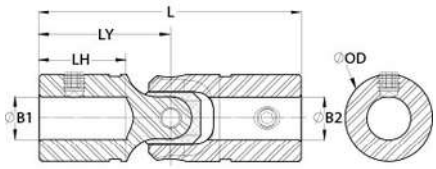
# USS8-5MM-5MM-F

Ruland USS8-5MM-5MM-F, 5mm x 5mm Single Universal Joint, Friction Bearing, Steel, Set Screw, 12.6mm OD, 50.8mm Length










## Description

Ruland USS8-5MM-5MM-F is a single cardan friction bearing universal joint with 5mm x 5mm bores, 12.6mm OD, 50.8mm length, and #4-40 set screws. 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. USS8-5MM-5MM-F is designed for use in high RPM applications up to 6000 RPM and has extended service life due to pre-lubricated maintenance free bearings. It can be combined with boot UBOOT8/13-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)** | 5 mm | **Small Bore (B2)** | 5 mm |
| **B1 Max Shaft Penetration** | 18.8 mm | **B2 Max Shaft Penetration** | 18.8 mm |
| **Joint Outer Diameter (OD)** | 12.6 mm | **Bore Tolerance** | +0.025 mm / -0.000 mm |
| **Length (L)** | 50.8 mm | **Yoke Length (LY)** | 25.4 mm |
| **Hub Depth (LH)** | 18.8 mm | **Broached Set Screw** | #4-40 |
| **Screw Finish** | Black Oxide | **Peak Torque** | 39.5 Nm |
| **Rated Torque** | 7.9 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** | UBOOT8/13-NI-KIT | **UPC** | 63452933757 |
| **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. | | |