



UNIVERSAL JOINTS



Universal joints for shaft diameters from 8mm to 75mm.

BELDEN

The most comprehensive range of precision engineered universal joints available as standard catalogue items or custom designed/manufactures assemblies.

The pin & block single universal joint is of high quality, manufactured from high grade alloy steel for increased durability and better performance than standard industrial-grade models. All components are heat treated, precision machined and ground to close tolerances.

The single universal joint is designed to function in a variety of appliances where exceptional high strength-to-weight ratios, low deflection rates and long service life is required. these joints are available with or without a lubricant retaining boot.

- Choice of heavy duty, high strength or leveller high strength universal joints for exceptional service life in most demanding applications.
- High-grade alloy steel.
- Wide choice of hubs and finishes.

Needle bearing universal joints are fitted with high quality, pre-lubricated and double O-ring sealed needle bearings to provide precision positioning and continuous operation at high speeds.

Thanks to improved designs and production processes, Belden Inc. can now bring its customers a Needle Bearing Universal Joint of higher quality without increasing cost. Our new Needle Bearing Universal Joint is even stronger and longer lasting than its counterpart and has the capacity to be rebuilt when wear and tear occurs. Needle bearing universal joints are designed to maintain low backlash for the critical positioning required by robotics, shift linkage, and instrumentation. Additionally, Needle Bearing Universal Joints are excellent for continuous operation applications, including a broad range of machine tool applications. Needle Bearing Universal Joints are available in a wide choice of materials and finishes. Flexible lubricant retaining boots are recommended for operation in dirty, abrasive, corrosive environments.

- Operation at high RPM.
- Low backlash.
- Continuous operation.
- Operating angles up to 35°.
- Rigid axial stiffness for push/pull loads
- Available materials include stainless steel, aluminium & alloy steel with speciality platings

ELSO/ELBE

- Cardan shafts fixed & sliding capacity
- Torques up to 80,000Nm.

Applications include:

- Paper industry, textiles, fans, machine tools and vehicles.

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