



SS Stainless Steel

2 Bore code

- B** Without keyway
- K** With keyway
- V*** With square

5 Type

- EG** Single jointed, friction bearing
- DG** Double jointed, friction bearing

Metric table

| 1 d ₁ | 3 d ₂ H7 Bore | 3 s H10 Square | 4 l ₁ Type EG | 4 l ₂ Type DG | l ₃ | l ₄ | t +1 Max. assembly length of the shaft |
|-------------------------|---------------------------------|-----------------------|---------------------------------|---------------------------------|----------------|----------------|--|
| 16 0.63 | 6 | V 6* | 34 1.34 | 56 2.20 | 17 0.67 | 22 0.87 | 8 0.31 |
| 16 0.63 | 8 | V 8* | 40 1.57 | 62 2.44 | 20 0.79 | 22 0.87 | 11 0.43 |
| 22 0.87 | 10 | V 10* | 48 1.89 | 74 2.91 | 24 0.94 | 26 1.02 | 12 0.47 |
| 25 0.98 | 12 | V 12* | 56 2.20 | 86 3.39 | 28 1.10 | 30 1.18 | 13 0.51 |
| 32 1.26 | 16 | V 16* | 68 2.68 | 105 4.13 | 34 1.34 | 37 1.46 | 16 0.63 |
| 42 1.65 | 20 | V 20* | 82 3.23 | 128 5.04 | 41 1.61 | 46 1.81 | 18 0.71 |
| 50 1.97 | 25 | V 25* | 108 4.25 | 163 6.42 | 54 2.13 | 55 2.17 | 26 1.02 |

Dimensions in: millimeters - inches

* Not available from stock, requires a minimum order quantity

Specification

- Body
Stainless steel AISI 304 **NI**
- Keyways JS9 DIN 6885 Page 1 → page 2040
- Cross Holes GN 110.1 → page 2043
- ISO Fundamental Tolerances → page 2129
- Stainless Steel Characteristics → page 2143
- RoHS compliant

On request

- Other or unequal bores

Information

Since the moveable parts of DIN 808 universal joints with friction bearing are not surface treated, i.e. not case-hardened, the possible applications are much more limited compared to the ones made of steel. Therefore, the guidelines for the selection of universal joints with friction bearing → page 1724 may be applied **at a limited extent only**. RPM over 200 may become critical.

For stainless steel universal joints, ample lubrication is especially important. This can be achieved by fitting the joint with a grease filled GN 808.1 cover boot → page 1735.

The “How to order” example refers to universal joints with equal bores d₂ or s at both ends.

see also...

- Mounting Information → page 1723
- Permissible RPM and Torques / Determining the Size → page 1724
- Universal Joints with Friction Bearing DIN 808 (Steel, Plain Finish) → page 1726
- Cover Boots for Universal Joints GN 808.1 → page 1735

| How to order | 1 Outside diameter d ₁ |
|--------------|---|
| | 2 Bore code |
| | 3 Bore d ₂ (s) |
| | 4 Length l ₂ (l ₁) |
| | 5 Type |
| | 6 Material |

1 2 3 4 5 6
DIN 808-32-B16-105-DG-NI