



- 2 Bore code**  
**B** Without keyway  
**K** With keyway  
**V\*** With square
- 5 Type**  
**EG** Single jointed, friction bearing  
**DG** Double jointed, friction bearing

### Specification

- Body  
Steel, plain finish
- Joint bearing surfaces / pins / bearing sleeves  
Case-hardened
- Keyways JS9 DIN 6885 Page 1 → page 2040
- Cross Holes GN 110.1 → page 2043
- ISO Fundamental Tolerances → page 2129
- RoHS compliant

### On request

- Inch size bores
- Other or unequal bores

### Information

DIN 808 universal joints with friction bearings are known for their precision. They have minimal play and are long lasting.

The permissible RPM of these joints is largely dependent on the type of application, including load, duration, inclination angle and lubrication → page 1724. For RPM over 1000, universal joints with needle bearing → page 1730 should be used.

For continuous use ample lubrication is essential. 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  $d_2$  or  $s$  at both ends.

#### see also...

- Mounting Information → page 1723
- Permissible RPM and Torques / Determining the Size → page 1724
- Universal Joints with Needle Bearing DIN 808 (Steel, Plain Finish) → page 1730
- Universal Joints with Friction Bearing DIN 808 (Stainless Steel) → page 1728
- Universal Joint Shafts with Friction Bearing GN 808.2 → page 1729
- Cover Boots for Universal Joints GN 808.1 → page 1735

#### How to order

**DIN 808-25-B16-74-EG**

- |   |                        |
|---|------------------------|
| 1 | Outside diameter $d_1$ |
| 2 | Bore code              |
| 3 | Bore $d_2$ (s)         |
| 4 | Length $l_1$ ( $l_2$ ) |
| 5 | Type                   |

**Metric table**

Dimensions in: millimeters - inches

<b>d<sub>1</sub></b>	<b>d<sub>2</sub> H7 Bore</b>	<b>s H10 Square</b>	<b>l<sub>1</sub> Type EG</b>	<b>l<sub>2</sub> Type DG</b>	<b>l<sub>3</sub></b>	<b>l<sub>4</sub></b>	<b>t +1 Max. assembly length of the shaft</b>
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
16 0.63	10	V 8*	52 2.05	74 2.91	26 1.02	22 0.87	14 0.55
22 0.87	10	V 10*	48 1.89	74 2.91	24 0.94	26 1.02	12 0.47
22 0.87	12	V 10*	62 2.44	88 3.46	31 1.22	26 1.02	18 0.71
25 0.98	12	V 12*	56 2.20	86 3.39	28 1.10	30 1.18	13 0.51
25 0.98	16	V 12*	74 2.91	104 4.09	37 1.46	30 1.18	21 0.83
28 1.10	14	V 14*	60 2.36	96 3.78	30 1.18	36 1.42	13 0.51
32 1.26	16	V 16*	68 2.68	105 4.13	34 1.34	37 1.46	16 0.63
32 1.26	20	V 16*	86 3.39	124 4.88	43 1.69	38 1.50	24 0.94
36 1.42	18	V 18*	74 2.91	114 4.49	37 1.46	40 1.57	17 0.67
42 1.65	20	V 20*	82 3.23	128 5.04	41 1.61	46 1.81	18 0.71
42 1.65	25	V 20*	108 4.25	156 6.14	54 2.13	48 1.89	31 1.22
45 1.77	22	V 22*	95 3.74	145 5.71	47.5 1.87	50 1.97	22 0.87
50 1.97	25	V 25*	108 4.25	163 6.42	54 2.13	55 2.17	26 1.02
50 1.97	30	V 25*	132 5.20	188 7.40	66 2.60	56 2.20	38 1.50
58 2.28	30	V 30*	122 4.80	190 7.48	61 2.40	68 2.68	29 1.14
58 2.28	32	V 30*	130 5.12	198 7.80	65 2.56	68 2.68	33 1.30
70* 2.76	35	V 35	140 5.51	212 8.35	70 2.76	72 2.83	35 1.38

\* Not available from stock, requires a minimum order quantity

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

