



2 Bore code

- B** without keyway
- K** with keyway
- V** with square

5 Type

- EW** single, needle bearing
- DW** double, needle bearing

| 1 d_1 | 3 d_2 H7 Bore | 3 s H10 Square | 4 l_1 Type EW | 4 l_2 Type DW | l_3 | l_4 | $t + 1$ max. assembly length of the shaft | Permissible r.p.m. / torque / Selection of the size → Page 1143 |
|----------------|---------------------------|----------------------------|---------------------------|---------------------------|-------|-------|--|--|
| 22 | 10 | V 10* | 48 | 74 | 24 | 26 | 12 | |
| 22 | 12 | V 10* | 62 | 88 | 31 | 26 | 18 | |
| 25 | 12 | V 12* | 56 | 86 | 28 | 30 | 13 | |
| 25 | 16 | V 12* | 74 | 104 | 37 | 30 | 21 | |
| 28 | 14 | V 14* | 60 | 96 | 30 | 36 | 13 | |
| 32 | 16 | V 16* | 68 | 105 | 34 | 37 | 16 | |
| 32 | 20 | V 16* | 86 | 124 | 43 | 38 | 24 | |
| 36 | 18 | V 18* | 74 | 114 | 37 | 40 | 17 | |
| 42 | 20 | V 20* | 82 | 128 | 41 | 46 | 18 | |
| 42 | 25 | V 20* | 108 | 156 | 54 | 48 | 31 | |
| 45 | 22 | V 22* | 95 | 145 | 47,5 | 50 | 22 | |
| 50 | 25 | V 25* | 108 | 163 | 54 | 55 | 26 | |
| 50 | 30 | V 25* | 132 | 188 | 66 | 56 | 38 | |
| 58 | 30 | V 30* | 122 | 190 | 61 | 68 | 29 | |
| 58 | 32 | V 30* | 130 | 198 | 65 | 68 | 33 | |
| 70* | 35 | V 35 | 140 | 212 | 70 | 72 | 35 | |

* not available from stock, requires a minimum order quantity

Specification

- Steel blank
- Joint bearing areas, pins case hardened
- Keyway JS9 DIN 6885 → Page 1420
- Cross holes GN 110.1 → Page 1422
- ISO-Fundamental tolerances → Page 1479
- RoHS compliant

On request

- with other or unequal bores

Information

The permissible r.p.m. of universal joints with needle bearings DIN 808 is higher than for those with friction bearings, but is still dependent on the load, duration of use as well as angular disposition. Ideal applications allow speeds of up to 4000 r.p.m → Page 1143.

Needle bearings give the universal joints at 3° to 5° angular disposition a considerably higher degree of efficiency than those fitted with friction bearings. The needle bearings have a permanent lubrication and thus do not require servicing. Information regarding the selection of universal joints with needle bearing.

How to order

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

DIN 808-50-B 25-163-DW