



2 Bore code
K With keyway

Metric table

Dimensions in: millimeters - inches

1 d ₁	3 d ₂ H7 Bore with keyway	4 l ₁ - l ₂		d ₃	l ₃ Guide length	l ₅	t +1 Max. assembly length of the shaft				
22 0.87	K 10	140-30	160- 40	180- 60	230-100	-	-	22 0.87	30 1.18	48 1.89	12 0.47
25 0.98	K 12	160-30	180- 45	200- 70	250-105	300-150	-	26 1.02	40 1.57	56 2.20	13 0.51
28 1.10	K 14	170-30	200- 60	220- 80	280-140	350-200	400-250	29 1.14	40 1.57	60 2.36	13 0.51
32 1.26	K 16	190-30	210- 40	240- 80	275-115	380-210	400-230	32 1.26	40 1.57	68 2.68	16 0.63
36 1.42	K 18	230-50	270-100	290-110	400-220	500-320	-	37 1.46	40 1.57	74 2.91	17 0.67
42 1.65	K 20	250-50	290- 90	320-120	420-220	500-300	-	42 1.65	45 1.77	82 3.23	18 0.71
45 1.77	K 22	270-50	330-100	470-240	-	-	-	47 1.85	50 1.97	95 3.74	22 0.87
50 1.97	K 25	295-50	350-100	420-170	500-245	-	-	52 2.05	50 1.97	108 4.25	26 1.02
58 2.28	K 30	330-50	400-110	-	-	-	-	58 2.28	60 2.36	122 4.80	29 1.14

Specification

- Body
Steel, plain finish
- Joint bearing surfaces / pins
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

- Different lengths l₁ - l₂
- Bores without keyway
- Bores with square
- Bores with hex
- Additional bores or d₂ with different bores
- Version in stainless steel
(bearing not rustproof)

Information

GN 808.3 universal joint shafts with needle bearing do not only bridge the misalignment of two shafts, but at the same time they offer an added length, which, depending on the overall length l₁, enables a corresponding extension dimension l₂. The power transmission is achieved by two DIN 808 universal joints (type EW), a spline shaft and a sliding sleeve.

It is important to check the accuracy when connecting the spline shaft to the sliding sleeve, the markings → ← have to be opposite to each other. Any kind of misconnection leads to an irregular output and to a quick abrasion.

see also...

- Mounting Information → page 1723
- Permissible RPM and Torques / Determining the Size → page 1725
- Universal Joint Shafts with Friction Bearing GN 808.2 → page 1729
- Universal Joints with Needle Bearing DIN 808 → page 1730

How to order	
1	Outside diameter d ₁
2	Bore code
3	Bore with keyway d ₂
4	Lengths l ₁ - l ₂

GN808.3-32-K16-240-80