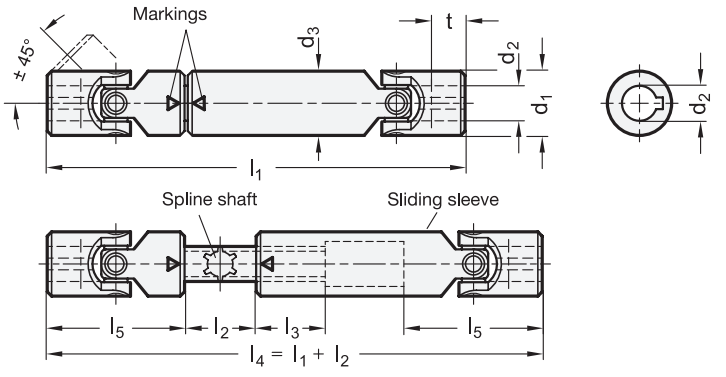
Universal Joint Shafts with Friction Bearing

Steel, with Extended Shaft Length



Metric

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	370-85	400-110	500-220	-	-	58 2.28	60 2.36	122 4.80	29 1.14

Specification

Steel

- Plain finish
- Joint bearing areas / pins / bearing sleeves Case-hardened

RoHS

On request

- Diifferent lengths l_1 - l_2
- Bores without keyway
- Bores with square
- Bores with hex
- Additional bores or d_2 with different bores
- Version in stainless steel

Technical Information

Permissible RPM and Torques / Determining the Size	QVX
Mounting Information	QVX
Keyways WN 6885 / DIN 6885-1	QVX
Cross Holes GN 110.1	QVX
ISO Fundamental Tolerances	QVX

Universal joint shafts with friction bearing GN 808.2 do not only bridge the misaligenment of two shafts, but at the same time they offer an added length compensation, which, depending on the overall lenght l_1, enables a corresponding extension dimension l_2. The power transmission is achieved by two DIN 808 universal joints (type EG), 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...	Page
DIN 808 Universal Joints with Friction Bearing (Steel, Plain Finish)	QVX
GN 808.3 Universal Joint Shafts with Needle Bearing	QVX

How to order

1 2 3 4

GN 808.2-50-K25-350-100

1	**Outside diameter d_1**
2	**Bore code**
3	**Bore with keyway d_2**
4	**Lengths l_1 - l_2**

⚠ WARNING: Cancer and Reproductive Harm — www.P65Warnings.ca.gov