

Universal Joint Shafts with Needle Bearing

Steel, with Longitudinal Compensation

SPECIFICATION

Bore codes

- Version **K**: with keyway
- Steel
- blank
- Joint bearing areas, pins
- case hardened

INFORMATION

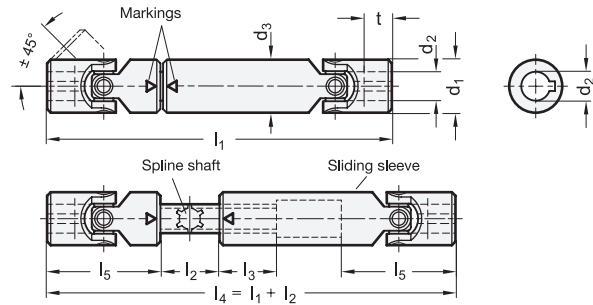
Universal joint shafts with needle bearing GN 808.3 not only join the offset between two shafts, but also enable the alignment of lengths, which depending on the overall length l_1 enables the corresponding extraction length l_2 . The power transmission is achieved by two universal joints. DIN 808 (see page 1126) (type EW) a splined shaft and a sliding sleeve. It is important to check the accuracy when connecting the splined shaft to the sliding sleeve. The markings $\rightarrow$ $\leftarrow$ have to be opposite to each other. Any kind of misconnection leads to an inhomogeneous output and to a quick abrasion.

ON REQUEST

- different length l_1 - l_2
- Bores without keyway
- Bores with square
- Bores with hexagon
- with other or unequal bores
- Version in Stainless Steel (needle bearing not rustproof)

TECHNICAL INFORMATION

- Permissible r.p.m. and torque (see page 1124)
- Keyway DIN 6885 (see page A16)
- Cross holes GN 110.1 (see page A17)
- ISO-Fundamental Tolerances (see page A21)



GN 808.3

Description	d1	d2	H7	l1-l2	d3	l3	l5	t	+1	Δ
GN 808.3-22-K10-140-30	22	K 10	140-30	22	30	48	12	320		
GN 808.3-22-K10-160-40	22	K 10	160-40	22	30	48	12	360		
GN 808.3-22-K10-180-60	22	K 10	180-60	22	30	48	12	395		
GN 808.3-22-K10-230-100	22	K 10	230-100	22	30	48	12	500		
GN 808.3-25-K12-160-30	25	K 12	160-30	26	40	56	13	520		
GN 808.3-25-K12-180-45	25	K 12	180-45	26	40	56	13	563		
GN 808.3-25-K12-200-70	25	K 12	200-70	26	40	56	13	610		
GN 808.3-25-K12-250-105	25	K 12	250-105	26	40	56	13	755		
GN 808.3-25-K12-300-150	25	K 12	300-150	26	40	56	13	900		
GN 808.3-28-K14-170-30	28	K 14	170-30	29	40	60	13	627		
GN 808.3-28-K14-200-60	28	K 14	200-60	29	40	60	13	730		
GN 808.3-28-K14-220-80	28	K 14	220-80	29	40	60	13	804		
GN 808.3-28-K14-280-140	28	K 14	280-140	29	40	60	13	972		
GN 808.3-28-K14-350-200	28	K 14	350-200	29	40	60	13	1140		
GN 808.3-28-K14-400-250	28	K 14	400-250	29	40	60	13	1330		
GN 808.3-32-K16-190-30	32	K 16	190-30	32	40	68	16	910		
GN 808.3-32-K16-210-40	32	K 16	210-40	32	40	68	16	980		
GN 808.3-32-K16-240-80	32	K 16	240-80	32	40	68	16	1106		
GN 808.3-32-K16-275-115	32	K 16	275-115	32	40	68	16	1250		
GN 808.3-32-K16-380-210	32	K 16	380-210	32	40	68	16	1640		
GN 808.3-32-K16-400-230	32	K 16	400-230	32	40	68	16	1743		

GN 808.3

Description	d1	d2	H7	l1-l2	d3	l3	l5	t	+1	Δ
GN 808.3-36-K18-230-50	36	K 18	230-50	37	40	74	17	1355		
GN 808.3-36-K18-270-100	36	K 18	270-100	37	40	74	17	1575		
GN 808.3-36-K18-290-110	36	K 18	290-110	37	40	74	17	1910		
GN 808.3-36-K18-400-220	36	K 18	400-220	37	40	74	17	2241		
GN 808.3-36-K18-500-320	36	K 18	500-320	37	40	74	17	2750		
GN 808.3-42-K20-250-50	42	K 20	250-50	42	45	82	18	1947		
GN 808.3-42-K20-290-90	42	K 20	290-90	42	45	82	18	2250		
GN 808.3-42-K20-320-120	42	K 20	320-120	42	45	82	18	2480		
GN 808.3-42-K20-420-220	42	K 20	420-220	42	45	82	18	3130		
GN 808.3-42-K20-500-300	42	K 20	500-300	42	45	82	18	3600		
GN 808.3-45-K22-270-50	45	K 22	270-50	47	50	95	22	2540		
GN 808.3-45-K22-330-100	45	K 22	330-100	47	50	95	22	3060		
GN 808.3-45-K22-470-240	45	K 22	470-240	47	50	95	22	4140		
GN 808.3-50-K25-295-50	50	K 25	295-50	52	50	108	26	3375		
GN 808.3-50-K25-350-100	50	K 25	350-100	52	50	108	26	3940		
GN 808.3-50-K25-420-170	50	K 25	420-170	52	50	108	26	4680		
GN 808.3-50-K25-500-245	50	K 25	500-245	52	50	108	26	5120		
GN 808.3-58-K30-330-50	58	K 30	330-50	58	60	122	29	5500		
GN 808.3-58-K30-400-110	58	K 30	400-110	58	60	122	29	5800		