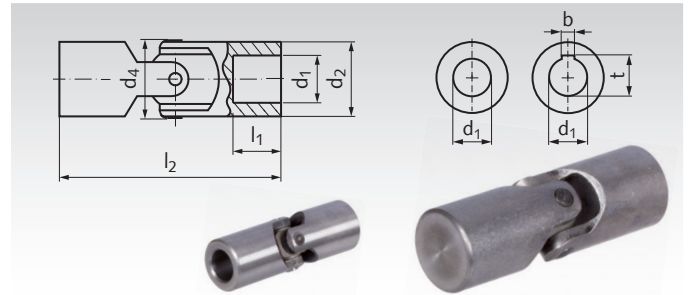


## Cardan Joints KE according to the old Standard DIN 7551 similar to DIN 808 with or without Bore

Material: Steel C 45.

Max. Operating Angle 45°.

Optionally without or with keyway DIN 6885-1 on both sides, or without borehole on both sides.



Ordering Details: e.g.: Product No. 630 110 00, Cardan Joint KE, 6 mm Bores, without Keyway

Product No. without keyway	Product No. with keyway	Product No. without bore	d <sub>1</sub> <sup>H7</sup> mm	d <sub>2</sub> mm	d <sub>4</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	b <sup>JS9</sup> mm	t mm	Torque max. Nm	Weight	
											with Bore kg	without Bore kg
630 110 00	-	630 010 00	6	10	10,5	12	40	-	-	2	0,014	0,020
630 113 00	630 113 00N	630 013 00	8	13	14,0	12	42	2	9,0	6	0,024	0,035
630 116 00	630 116 00N	630 016 00	10	16	17,5	15	52	3	11,4	8	0,047	0,067
630 120 00	630 120 00N	630 020 00	12	20	21,5	18	62	4	13,8	20	0,089	0,14
630 125 00	630 125 00N	630 025 00	16	25	26,5	22	74	5	18,3	30	0,16	0,23
630 132 00	630 132 00N	630 032 00	20	32	33,5	25	86	6	22,8	60	0,31	0,44
630 140 00	630 140 00N	630 040 00	25	40	42,0	32	108	8	28,3	160	0,63	0,88
630 150 00	630 150 00N	630 050 00	32	50	52,5	40	132	10	35,3	290	1,20	1,71
630 163 00	630 163 00N	630 063 00	40	63	64,0	50	166	12	43,3	550	2,40	3,07

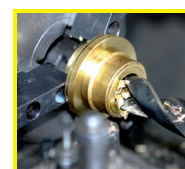
The cardan joints KE are, other than the cardan joints with needle-roller bearing, only sliding-contact bearings. Their scope of application is therefore limited to slow running drives. The respective maximum speeds depend on operating angle and load, but must never exceed 1000 min<sup>-1</sup>. The maximum torque values listed in the table are limits, which must neither be exceeded. They may only be used to their full extend with intermittent operation or at low speed.

### The following limit applies:

The product of speed (min<sup>-1</sup>) x working angle (degrees) may not exceed the reference number 500. This means, e.g., for a working angle of 10 degrees a max. speed of 50 min<sup>-1</sup>. If, however, the maximum torque is not taken to the limit, speed and working angle can be larger. At 0.5 x max. torque applies: speed x working angle, smaller or equal 4.000. In case of doubt choose larger joint.

At continuous operation the cardan joints need to be sufficiently lubricated. If no drip-feed lubrication is possible (drip-feed lubricators see page 863), lubricate the joints at least once a day. Another possibility is to cover the joints with a bellow, filled with a suitable lubricant.

Bellows  
page 397



Reworking within  
24h-service possible.  
Custom made parts  
on request.