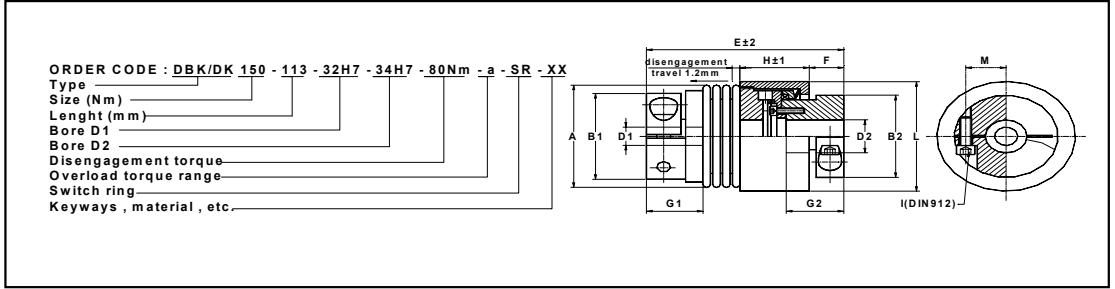


DBK/DK TORQUE LIMITING COUPLINGS WITH COLLET CLAMP



DIMENSIONS (mm):

Type DBK/DK	A	B1	B2	D1 ²⁾	D2 ²⁾	E	F	G1	G2	H	I DIN 912	L	M
DBK/DK 7	40	40	40	6 - 19	6 - 19	66	10	16	17	16	M 4	49	15.5
DBK/DK 10	40	40	40	6 - 25	6 - 19	66	10	16	17	16	M 4	49	15.5
DBK/DK 30 ¹⁾	56	47	44	10 - 20	10 - 20	85 / 93	15	24	24	30	M 6	60	16
				20 - 25									20
DBK/DK 60 ¹⁾	66	57	55	14 - 23	14 - 23	105 / 116	18	29	29	35	M 8	70	20
				23 - 35									23
				20 - 28									24
DBK/DK 80 ¹⁾	82	80	77	28 - 35	20 - 35	113 / 124	20	31	34	38	M 10	92	27
				35 - 40									28
				20 - 28									24
				28 - 35									27
DBK/DK 150 ¹⁾	82	80	77	28 - 35	20 - 35	113 / 124	20	31	34	38	M 10	92	27
				35 - 40									28
				20 - 28									24
				28 - 35									27
DBK/DK 200 ¹⁾	90	80	80	25 - 32	25 - 32	124 / 137	20	38	34	41	M 12	100	26
				32 - 42									31
				32 - 40									32
DBK/DK 300 ¹⁾	110	91	89	32 - 40	32 - 40	140 / 151	23	37	39	44	M 12	110	32
				40 - 50									35
				96									36
DBK/DK 500 ¹⁾	122	110	92	40 - 60	35 - 50	158 / 169	26	41	40	50	M 12	128	40

MISALIGNMENT:

	7	10	30	60	80	150	200	300	500
Lateral (mm)	0.15	0.15	0.1 / 0.2	0.1 / 0.2	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2
Axial (mm)	0.4	0.4	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.5 / 1.0
Angular (°)	1.2	1.2	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5

TECHNICAL RATINGS:

Type DBK/DK	Moment of Inertia 10 ³ J (gcm ²)	Overload Torque ⁶⁾ M _{NSK} Adjustable (Nm)		Torsional Stiffness 10 ³ (Nm/rad)	Max RPM (min ⁻¹)	Residual Friction (Nm)	Mass m (kg)	Torque to Tighten Clamps (Nm)	Spring Stiffness (N/mm)	
		Version a	Version b						Lateral	Axial
DBK/DK 7	0.7	1 - 4	3 - 7	5.4	11690	0.3	0.25	3	90	14
DBK/DK 10	0.7	3 - 7	5 - 10	8.0	11690	0.3	0.25	3	154	28
DBK/DK 30	3.2	5 - 15	10 - 30	36 / 26	9540	1	0.7	15 12	718 / 222	48 / 27
DBK/DK 60	8	12 - 35	20-60	73 / 49	8180	3	1.4	40 30	1125 / 333	91 / 53
DBK/DK 80	19	15 - 40	30 - 80	126 / 74	6220	4	2.3	60 55 50	1218 / 403	84 / 53
DBK/DK 150	30	50 - 130	65 - 150	151 / 101	6220	7.5	2.4	80 70 50	2030 / 601	147 / 86
DBK/DK 200	33	30 - 90	60 - 200	173 / 116	5720	10	3	100 80	1531 / 450	147 / 85
DBK/DK 300	65	60 - 200	100 - 300	499 / 280	5200	15	5.3	110 90	6328 / 1470	284 / 153
DBK/DK 500	130	80 - 250	200 - 500	680 / 310	4470	25	6.2	145	8800 / 972	105 / 86

1) Two metal bellows versions with different torsional stiffness are available, therefore, length E varies. This length difference creates two different misalignment values.

2) Transmission of the coupling's rated torque is only guaranteed for bore sizes within the recommended range with standard H7 bore tolerances, unless otherwise specified. Other types of borings can, however, be supplied by the manufacturer. All hub borings are supplied to fit standard H7 according to the customer's data.

3) Keyways according to standard DIN 6885 or American on request.

4) Clearance of keyway, standard Js 9.

5) Hubs made of AlCuMgPb, hub sizes larger than 60 are made of steel.

6) Additional range of disengagement torque is available on request.

7) Disengagement travel 0.7 mm for sizes DBK/DK 7 and 15, all else 1.2 mm.

8) Temperature range -30° C to + 100° C; higher temperatures on request.

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