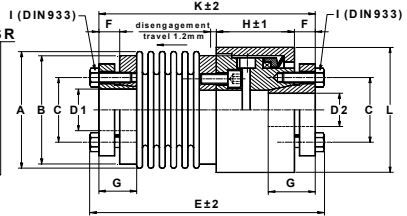


DBK/B TORQUE LIMITING COUPLINGS WITH CONICAL HUBS



ORDER CODE : **DBK/B 150 - 116 - 32H7 - 34H7 - 80Nm - a - SR**

Type _____
 Size (Nm) _____
 Length (mm) _____
 Bore D1 _____
 Bore D2 _____
 Disengagement Torque (Nm) _____
 Overload torque range _____
 Switch ring _____



DIMENSIONS (mm):

Type DBK/B	A	B	C ²⁾	D1	D2	E	F	G	H	I DIN 933	K	L
DBK/B 30 ¹⁾	56	52	31	12 - 20	12 - 20	82 / 90	8	20	30	M 5	75 / 83	60
DBK/B 60 ¹⁾	66	63	37	15 - 25	15 - 25	99 / 110	9	25	35	M 6	91 / 102	70
DBK/B 150 ¹⁾	82	80	51	20 - 35	20 - 35	116 / 128	11	31	38	M 6	108 / 120	92
DBK/B 200 ¹⁾	90	86	56	20 - 40	20 - 40	122 / 135	11	31	41	M 6	114 / 127	100
DBK/B 300 ¹⁾	110	110	62	30 - 50	30 - 46	135 / 146	13	33	44	M 8	124 / 135	110
DBK/B 500 ¹⁾	122	122	75	35 - 55	35 - 50	150 / 161	13	38	50	M 8	139 / 150	128
DBK/B 800	157	140	100	40 - 70	40 - 60	235	20	60	66	M 16	215	169
DBK/B 1200	157	140	100	40 - 70	40 - 60	235	20	60	66	M 16	215	169
DBK/B 1600	157	152	115	70 - 90	70 - 90	250	20	60	66	M 12	235	195

MISALIGNMENT:

	30	60	150	200	300	500	800	1200	1600
Lateral (mm)	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	0.2
Axial (mm)	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.4 / 0.5	0.5 / 1.0	0.5	0.5	0.5
Angular (°)	1.0 / 0.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0 / 1.5	1.0	1.0	1.0

TECHNICAL RATINGS:

Type DBK/B	Moment of Inertia 10 ³ J (gcm ²)	Overload Torque M _{NSK} Adjustable (Nm) ³⁾		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/B 30	3.2	5 - 15	10 - 30	36 / 26	9550	1	0.7	5	718 / 222	48 / 27
DBK/B 60	8	12 - 35	20 - 60	73 / 49	8180	3	1.5	7	1125 / 333	91 / 53
DBK/B 150	20	30 - 80	65 - 150	151 / 101	6220	7.5	2.5	14	2030 / 601	147 / 86
DBK/B 200	32	30 - 90	60 - 200	173 / 116	5720	10	3.2	14	1531 / 450	147 / 85
DBK/B 300	65	60 - 200	100 - 300	499 / 280	5200	15	5.5	18	6328 / 1470	284 / 153
DBK/B 500	170	80 - 250	200 - 500	680 / 310	4475	35	7.1	26	8800 / 972	105 / 86
DBK/B 800	540	240 - 600	500 - 800	758	3390	80	19	45	512	186
DBK/B 1200	560	360 - 1000	900 - 1400	1266	3390	120	20	80	706	278
DBK/B 1600	600	360 - 1000	900 - 1600	2800	2935	120	22	90	2950	310

1) Two metal bellows versions with different torsional stiffness are available, therefore, the lengths E and K vary. This length difference creates two different misalignment values.

2) C Dimension is for the maximum bore size. It will reduce for smaller bore size.

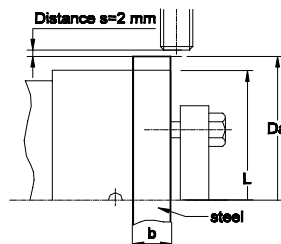
3) Additional range of disengagement torque available on request.

4) Disengagement travel 1.2 mm for series DBK/B.

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

STEEL RING DIMENSIONS:

Type	Diameter Da (mm)	Thickness b (mm)
DBK 30	65	5
DBK 60	80	6
DBK 150	100	6
DBK 200	110	6
DBK 300	120	8
DBK 500	140	10



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