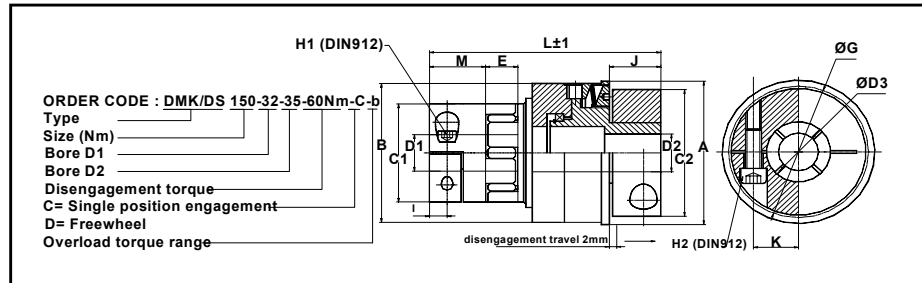


DMK/DS TORQUE LIMITING COUPLINGS WITH SERVO INSERT FOR DAMPENING



DIMENSIONS (MM):

Type DMK/DS	A	B	C1	C2	D1	D2	D3	E	G	I	J	K	L	M	H1 DIN 912	H2 DIN 912
DMK/DS 10	52	49	30	45	9 - 14	8 - 14		13	34	5	20	10.5	75	11	M4	M5
DMK/DS 18	65	62	40	56	10 - 20	12 - 16	12	15	45	6	22	15	96	25	M5	M6
DMK/DS 30	65	60	45	56	12 - 24	12 - 20	16	17	47	7.5	22	17	100	26	M5	M6
DMK/DS 60	75	70	55	66	20 - 28	20 - 25	20	18	57	10	28	20	115	30	M6	M8
DMK/DS 150	95	92	65	84	24 - 35	24 - 35	24	20	70	11	42	24	142	35	M8	M10
DMK/DS 300	115	110	80	96	32 - 44	32 - 40	27	24	89	18	38	30	160	45	M10	M12
DMK/DS 500	129	125	105	110	40 - 60	40 - 50	39	28	111	20	56	40	195	56	M12	M12

MISALIGNMENT:

	10	18	30	60	150	300	500
Lateral (mm)	0.06	0.06	0.08	0.1	0.11	0.12	0.16
Axial (mm)	1.2	1.2	1.3	1.4	1.5	1.8	2.1
Angular (°)	0.9	0.9	0.9	0.9	0.9	0.9	0.9

TECHNICAL RATINGS:

Type DMK/DS	Moment of Inertia J (gcm ²)	Overload Torque M _{NSK} Adjustable (Nm)		Dynamic Torsional Stiffness 10 ³ (Nm/rad)(2)	Max RPM (min ⁻¹)	Mass m (kg)	Torque to Tighten Clamps (Nm)	Spring Stiffness Axial (N/mm)	Disengagement Travel (mm)
DMK/DS 10	1.4	2 - 5	5 - 10	513	11450	0.3	5	604	0.7
DMK/DS 18	3	5 - 12	12 - 20	2580	8950	0.5	10	2010	0.7
DMK/DS 30	5.3	5 - 20	15 - 35	4380	8810	0.7	10	2290	1.2
DMK/DS 60	9.7	12 - 40	20 - 70	6189	7630	1.4	18	2560	1.8
DMK/DS 150	23	25 - 75	65 - 150	10314	6030	2.2	43	3200	2
DMK/DS 300	80	30 - 140	50 - 300	21486	4980	4.6	84	4400	2
DMK/DS 500	150	140 - 350	250 - 500	55925	4440	7.5	145	5930	2

- 1) Temperature range of -30° C to 90° C.
- 2) Insert made of polyurethane Sh 98 A, other shore hardnesses of Sh 92 A / Sh 64 D are available.
- 3) Keyways according to standard DIN 6885 or American on request.
- 4) Clearance of keyway, standard Js 9
- 5) D1 Elastomer side: hubs for size 10 to 300 made of aluminum, hub size 500 made of steel.
- 6) D2 of Hub side: 10 to 500 made of steel.
- 7) D3 is recess diameter of insert.
- 8) G is clearance diameter of clamp bolt N2.

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