Elastomer Coupling I Series EKM

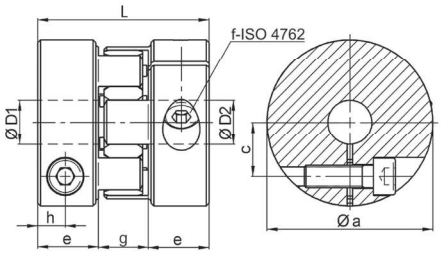
- with clamping hub on both sides
- plug-in
- backlash-free
- cost-effective standard series

technical data:

EKM size	T_N [Nm]	hardness [shore]	moment of inertia [10^{-3}kgm^2]	torsional stiffness (stat. 0,5 x T_N) [Nm/arcmin]	max. shaft misalignment (mm) axial ±	lateral	radial spring rate [N/mm]	mass approx. [kg]	hubs Ø D 1/2 prebored
8	8	98 Sh-A	0,01	0,09	0,5	0,10	600	0,06	Ø 5
15	15	98 Sh-A	0,03	0,24	0,5	0,10	2100	0,12	Ø 6,1
20	20	72 Sh-D	0,03	0,46	0,5	0,10	2900	0,12	Ø 6,1
30	30	98 Sh-A	0,09	0,41	0,5	0,10	2500	0,21	Ø 8,5
45	45	72 Sh-D	0,09	0,75	0,5	0,10	3600	0,21	Ø 8,5
60	60	98 Sh-A	0,18	1,0	0,5	0,10	2600	0,32	Ø 12
90	90	72 Sh-D	0,18	2,0	0,5	0,10	3700	0,32	Ø 12
150	150	98 Sh-A	0,38	1,2	1	0,10	3300	0,52	Ø 15
200	200	72 Sh-D	0,38	2,3	1	0,07	4600	0,52	Ø 15
300	300	98 Sh-A	1,0	3,6	1	0,12	4500	0,9	Ø 18
400	400	72 Sh-D	1,0	7,0	1	0,10	6500	0,9	Ø 18
500	500	98 Sh-A	2,2	4,5	1	0,15	5900	1,5	Ø 20
700	700	98 Sh-A	5,2	8,0	1	0,15	7000	2,5	Ø 24
1000	1000	72 Sh-D	5,2	12	1	0,10	9600	2,5	Ø 24
2000	2000	98 Sh-A	50	21	1	0,15	9000	14	Ø 30

update version

material:
elastomer spider: polyurethane
hubs: high-tensile strength aluminum
(size 2000: tempered steel)
screws: ISO 4762 / 12.9



Dimensions [mm]: length dimensions according to DIN ISO 2768 cH

EKM	Ø a	c / c**	e	h	L	f	Ø D 1/2 min / max	f**	Ø D 1/2 max f**
8	32	10,5	13,5	6	40	M 4 - 4 Nm	8 / 15	-	-
15	40	13	17	8	50	M 5 - 8 Nm	8 / 20	-	-
20	40	13	17	8	50	M 5 - 8 Nm	10 / 20	-	-
30	50	16,5 / 18	20	9	58	M6 - 14 Nm	10 / 25	M5 - 8 Nm	Ø 30
45	50	16,5 / 18	20	9	58	M6 -14 Nm	15 / 25	M5 - 8 Nm	Ø 30
60	60	19,5 / 20	22	10	62	M 8 - 35 Nm	13 / 28	M6 - 14 Nm	Ø 32
90	60	19,5 / 20	22	10	62	M 8 - 35 Nm	16 / 28	M6 - 14 Nm	Ø 32
150	70	23 / 25	26,5	12	73	M 10 - 65 (50)* Nm	18 / 27 (32)*	M8 - 35 Nm	Ø 38
200	70	23 / 25	26,5	12	73	M 10 - 65 (50)* Nm	20 / 27 (32)*	M8 - 35 Nm	Ø 38
300	85	29 / 30	31	14	86	M 12 - 115 (90)* Nm	20 / 34 (40)*	M10 - 65 Nm	Ø 48
400	85	29 / 30	31	14	86	M 12 - 115 (90)* Nm	24 / 34 (40)*	M10 - 65 Nm	Ø 48
500	100	36	33	16	94	M 12 - 115 (90)* Nm	28 / 48 (56)*	-	-
700	120	44	38	18	109	M 14 - 180 (140)* Nm	32 / 60 (70)*	-	-
1000	120	44	38	18	109	M 14 - 180 (140)* Nm	42 / 60 (70)*	-	-
2000	160	55,5	42	21	124	M 16 - 290 Nm	50 / 90	-	-

note:
(*) reduced tightening torque for bigger hub bore diameter - see also Ø D 1/2max f!
*state alternate values separately while ordering (for larger shaft diameters). Also notice smaller bore diameter and reduced tightening torques

order example: EKM 90 D1 = 24 ^{G7} D2 = 28 ^{G6}
EKM 150 M8 / M8 - D1 = 35 ^{G7} D2 = 38 ^{H6}