Safety Coupling I Series SKB-EK *for direct drives*

with elastomer attachment · with lateral clamping hub on both sides
plug-in · flexible · backlash-free · oscillation dampening

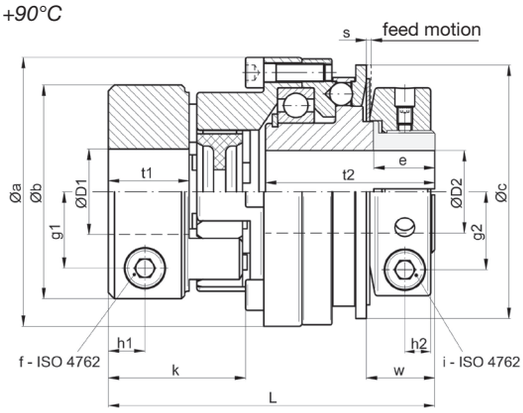
technical data:

SKB -EK size	setting range disengagement torque T_{KA}[Nm]	moment of inertia [10^{-3}kgm^2]	mass approx. [kg]	torsional stiffness [Nm/arcmin]	max. shaft misalignment [mm] axial±	lateral	tightening torque of screws f [Nm]	i [Nm]	ø D1 min	ø D1 max	ø D2 min	ø D2 max
1	0,5 - 1	0,06	0,29	0,005	0,8	0,2	M2,5-1	M5-10	4	10	5	14
2	1 - 2											
6	2 - 6	0,13	0,44	0,25	0,5	0,1	M5-8	M5-10	8	20	6	16
12	6 - 12								8	20	8	16
15	8 - 15	0,5	1	1	0,5	0,1	M6-14	M6-18	12	32	10	25,4
30	13 - 30								12	32	12	25,4
45	22 - 45								14	32	14	25,4
60	25 - 60	1,5	2	1,2	1	0,1	M8-35	M8-40	16	38	18	35
100	40 - 100								19	38	18	35
150	60 - 150								22	38	24	35
230	80 - 230	5,6	4,2	3,6	1	0,12	M12-115(90)*	M10-80	20	35(43)*	24	42
330	130 - 330								24	35(43)*	32	42
500	200 - 500	17	8,6	8	1	0,15	M14-180(140)*	M14-220	30	60(70)*	28	58
800	350 - 800								40	60(70)*	40	58
1000	500 - 1000	79	19,5	12	1	0,10	M14-180(140)*	M16-290	42	60(70)*	42	100
2000	800 - 2000	116	27,9	21	1	0,15	M16-290	M16-290	50	90	42	100

(*) note: reduced tightening torque for bigger hub bore diameter - see also Ø D 1max!

material:

safety part: heat treated steel
clamping hub: high-tensile aluminum (size 2000: tempered steel)
elastomer spider: polyurethane – 98 Shore A
screws: ISO 4762 / 12.9
temperature range: -30°C up to +90°C



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

SKB-EK	Øa	Øb	Øc	e	g1	g2	h1	h2	k	L±1	s	t1	t2	w
1/2	40,5	20	42	14	6,5	13,5	5	6	28,5	65,5	0,8	10	33	14,6
6/12	52,5	40	48	14	13	13,5	8	6	33	77	0,9	17	41	16
15/30/45	69	55	66	16	20	19,5	10	7,5	39	91,5	1,2	21	48	18,5
60/100/150	88	70	83	20	25	25,5	12	8,5	45	107	1,6	26,5	55,5	22
230/330	115	85	109	23	29	32	14	10,5	54	134	1,8	31	72	26,5
500/800	137	120	132	32	44	42	18	13,5	71	167,5	2,5	38	87,5	37
1000	181	120	185	74	44	69	18	17/30	72	204	3,7	38	89	74
2000	181	160	185	76	55,5	69	21	17/30	84	219	3,7	42	89	77

*note: other shore hardnesses of elastomer spider are possible on request
coupling side with conical hub: see series SKB-ES

order example: SKB-EK 45 - D1 = 28 ^{G7} - D2 = 24 ^{H7} - T_{KA} = 35 Nm