

Safety coupling I Series SKB - KS for direct drives

- with bellow attachment for direct drives
- with clamping hub - bellow side with conical clamping hub
- compensations of misalignments - low restoring forces

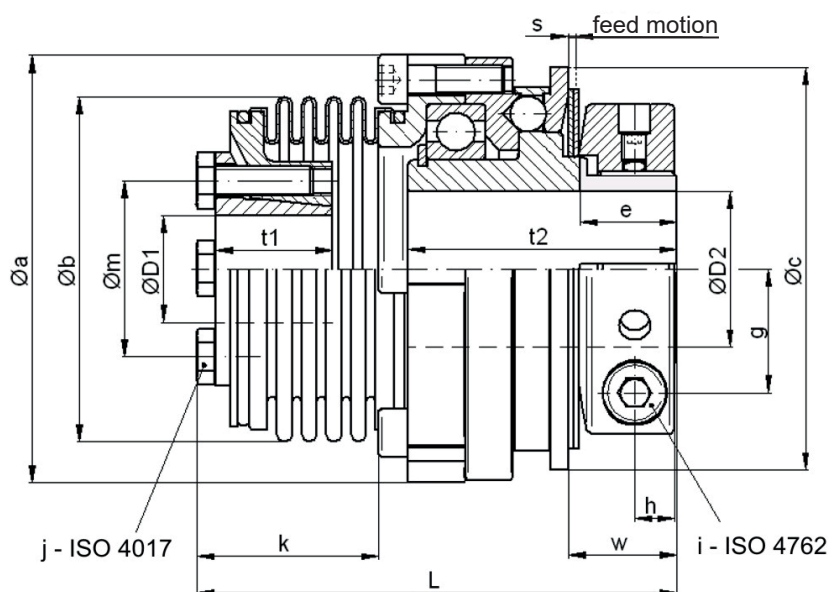
Technical data:

SKB -KS Size	static disengagement torque T_{KA} [Nm]	moment of inertia $[10^{-3} \text{kgm}^2]$	mass approx. [kg]	torsional stiffness [Nm/arcmin]	max. shaft displacement [mm]	tightening torque of screws „j“ [Nm]	tightening torque of screws „i“ [Nm]	$\varnothing D1$ min max	$\varnothing D2$ min max
6	2 - 6							6	5
12	6 - 12	0,13	0,5	2,1	0,5 0,15	M4 [3]	M5 [10]	6 15	8 16
15	8 - 15							9	10
30	13 - 30	0,5	1,1	9	0,5 0,2	M4 [3]	M6 [18]	9 19	12 25,4
45	22 - 45							10	14
60	25 - 60							12	18
100	40 - 100	1,5	2,1	20	0,6 0,2	M6 [12]	M8 [40]	12 24	18 35
150	60 - 150							14	24
230	80 - 230	5,6	4,4	28	0,8 0,2	M6 [12]	M10 [80]	18 35	24 44
330	130 - 330							22	32
500	200 - 500	15	8	52	0,8 0,2	M8 [25]	M14 [220]	26 42	28 58
800	350 - 800	17	9	106	0,7 0,2	M10 [50]	M14 [220]	32 48	40 58
1000	500 - 1000	82	21,4	150	0,8 0,2	M10 [50]	2xM16 [290]	40 60	42 100
2000	800 - 2000	91	23	240	1 0,3	M12 [90]	2xM16 [290]	42 70	45 100



Material:

safety part: heat treated steel
conical bush: heat treated steel
bellows: stainless steel
temperature range: -30°C up to +200°C



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

SKB - KS	$\varnothing a$	$\varnothing b$	$\varnothing c$	e	g	h	k*	L±1	$\varnothing m$	s	t1	t2	w
6/12	52,5	39,5	48	14	13,5	6	45	89	27	0,9	21	41	16
15/30/45	69	56	66	16	19,5	7,5	34,8	86	30	1,2	18	48	18,5
60/100/150	88	71	83	20	25,5	8,5	37,5	99	36	1,6	24	55,5	22
230/330	115	82	109	23	32	10,5	40	120	50	1,8	27	72	26
500	137	101	132	32	42	13,5	49	145	62	2,5	32,5	87,5	37
800	137	122	132	32	42	13,5	60	156	70	2,5	36	87,5	37
1000	181	132	185	74	69	17/30	69,5	202	83	3,7	44	124	74
2000	181	157	185	74	69	17/30	83	215	98	3,7	45	124	74

* Notice: Alternative length of bellows are possible on request.

• For higher disengagement torques up to 9000Nm see series SKY-KS

Ordering example: SKB - KS 30 - D1 = $\varnothing 18^{G7}$ - D2 = $\varnothing 24^{H7}$ - $T_{KA} = 25 \text{ Nm}$