

Safety Coupling I Series SKY-KS for direct drives

- /// with bellows attachment // with conical clamping hub on both sides
- /// low restoring forces // compensation of misalignments

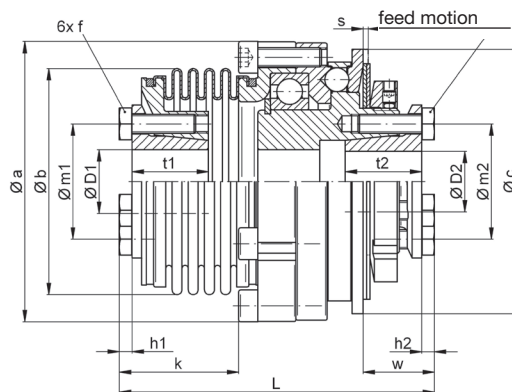
technical data:

SKY -KS size	setting range		moment of inertia [10 ⁻³ kgm ²]	mass approx. [kg]	torsional stiffness [Nm/arcmin]	max. shaft mis- alignment [mm]		tightening torque of screws		ø D1		ø D2	
	disengagement torque	T _{KA} [Nm]				axial ±	lateral	f [Nm]	i [Nm]	min	max	min	max
6	2	- 6	0,12	0,5	2,1	0,5	0,15	M4-3	M3-1,5	6	16	5	12
12	6	- 12								6	16	5	12
15	8	- 15	0,44	0,98	9	0,5	0,2	M4-3	M4-3	9	19	9	17
30	13	- 30								9	19	9	17
45	22	- 45	1,4	1,9	20	0,6	0,2	M6-12	M6-12	10	19	10	17
60	25	- 60								12	24	12	24
100	40	- 100	5,1	3,9	28	0,8	0,2	M6-12	M6-12	12	24	12	24
150	60	- 150								14	24	14	24
230	80	- 230	12,5	6,7	52	0,8	0,2	M8-30	M8-30	18	35	18	35
330	130	- 330								22	35	22	35
500	200	- 500	14,6	7,7	106	0,7	0,2	M10-50	M8-30	28	42	28	42
800	350	- 800								30	48	30	42
1000	500	- 1000	58	16	150	0,8	0,2	M10-50	M12-90	40	60	42	65
2000	800	- 2000								42	70	42	65

temperature range: -30°C up to +150°C

material:

- safety part: heat-treated steel
- conical hub: heat-treated steel
- bellows: stainless steel
- **screws: ISO 4762 / 12.9



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

SKY - KS	Øa	Øb	Øc	h1	h2	k	L±1	Øm1	Øm2	s	t1	t2	w
6/12	52,5	39,5	48	2,8	3	37,5	80	27	19	0,9	19	15	14
15/30/45	69	56	66	2,8	4	34,8	86	30	27	1,2	18	18	18
60/100/150	88	71	83	4	4	37,5	99	36	36	1,6	24	24	22
230/330	115	82	109	4	4	40	117	50	50	1,8	27	27	24
500	137	101	132	5,3	5,3	50	143	62	62	2,5	32,5	32	33
800	137	122	132	6,4	5,3	60	152	70	62	2,5	36	32	33
1000	181	132	185	6,4	7,5	69,5	192	83	90	3,7	44	45	64
2000	181	157	185	7,5	7,5	102	221,5	98	90	3,7	45	45	64

note: *alternative lengths possible on request
sizes 3000-9000 with shrink disc on both sides - further details and options on request

order example: SKY-KS 500 - D1 = 38 H7 - D2 = 32 H7 - T_{KA} = 400 Nm