

Safety Coupling I Series SKB for indirect drives

- /// simple installation with clamping ring hub // with integral ball bearing
- /// for high axial and lateral loads // excellent run-out accuracy
- /// alternative in corrosion-resistant design

technical data:

SKB size	setting range disengagement torque T_{KA} [Nm]		moment of inertia $[10^{-3} \text{kgm}^2]$	mass approx. [kg]	tightening torque of screw 'i' [Nm]		max. lateral load F_R [N]	bore diameters $\varnothing D$		
	min	max			min	max		min	max	
1	0,5	- 1	0,044	0,22	M5	- [10]	2.550	5	5	14
2	1	- 2								
6	2	- 6	0,09	0,36	M 5	- [10]	5.000	6	8	16
12	6	- 12								
15	8	- 15	0,36	0,80	M 6	- [18]	8.000	10	12	25,4
30	13	- 30								
45	22	- 45	1,10	1,50	M 8	- [40]	9.500	17	18	35
60	25	- 60								
100	40	- 100	4,2	3,3	M 10	- [80]	23.000	21	32	44
150	60	- 150								
230	80	- 230	12,2	6,2	M14	- [220]	30.000	27	40	58
330	130	- 330								
500	200	- 500	76	20	2x M16	- [290]	50.000	38	42	100
800	350	- 800								
1000	500	- 1000	48	100	100	100	100	100	100	100
2000	800	- 2000								

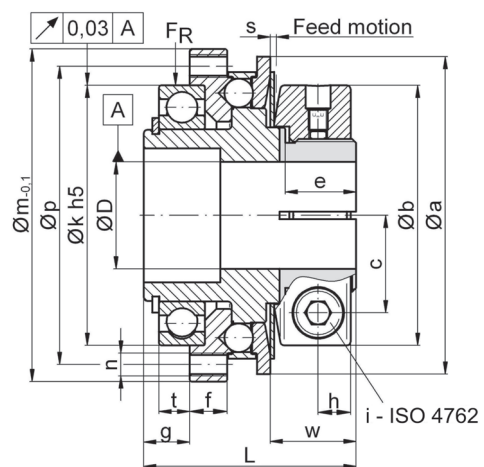
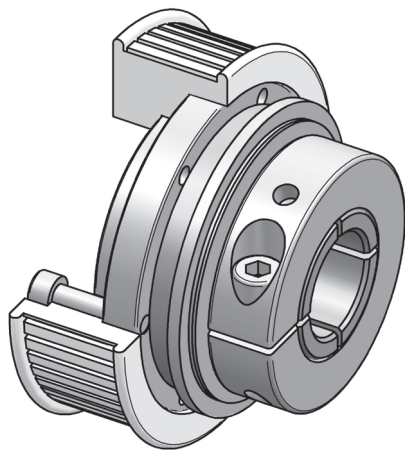
note: for higher torques, see series SKY

material:

heat-treated steel
temperature range:
-30°C up to +200°C



update version



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

SKB	$\varnothing a$	$(\varnothing a^*)$	$\varnothing b$	c	e	f	g	h	$\varnothing k^{h5}$	$\varnothing m$	$\varnothing p$	L	n	s	t	w
1/2	42	-	38	13,5	13	6	6	6	30	40	35	33,5	6xM3	0,8	4	14,6
6/12	48	(42)	38,5	13,5	13	8	9,8	6	42	52	47	41	6xM3	0,9	7	15,8
15/30/45	66	(60)	53	19,5	15	9	11,5	7,5	55	69	62	48	6xM4	1,2	8	18,5
60/100/150	83	(76)	68	25,5	18,5	9	12	8,5	68	87	78	55,5	6xM6	1,6	8	22,4
230/330	109	(104)	87	32	21	14	16,5	10,5	90	113	102	71,5	6xM8	1,8	12	25,6
500/800	132	-	115	42	30	15	17	13,5	110	136	124	87,5	8xM8	2,5	12	37
1000/2000	185	-	172	69	76	16	28	17/30	140	181	165	142±2	12xM10	3,7	22,5	77

*note: smaller outer diameters of the thrust plate are possible (see values in brackets)

order example:

SKB 30 -
SKB 230 - corrosion resistant -

$D = 24^{H7}$ - $T_{KA} = 25 \text{ Nm}$
 $D = 35^{G6}$ - $T_{KA} = 200 \text{ Nm}$