

SKG SERIES INDIRECT DRIVE SAFETY COUPLING



Major Features

- Pulley safety coupling with self-centering conical hub and integrated bearing.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Integrated bearing for high axial and radial loading to support pulleys, gears or sprockets.
- Adjustable disengagement torque.

Material

- Steel hubs; steel safety element

Technical data/Dimensions

Size SKG	Disengagement Torque Range		Moment of Inertia	Mass	Screw Size	Torque to Tighten Screws	Outer Diameter	Length	Thread Size for Pulley	Switching Distance	Bore Range	
	Nm (lb-in)		10 ⁻³ kgm ² (lb-in ²)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)		mm (inch)	min.	max.
SKG-4	2	4	0.22	0.6	6 x M4	4	60	40	4 x M4	1	12	18
	(18)	(35)	(0.75)	(1.3)		(35)	(2.362)	(1.575)		(0.039)	(0.472)	(0.709)
SKG-9	4	9	0.22	0.6	6 x M4	4	60	40	4 x M4	1	12	18
	(35)	(80)	(0.75)	(1.3)		(35)	(2.362)	(1.575)		(0.039)	(0.472)	(0.709)
SKG-18	9	18	0.23	0.6	6 x M4	4	60	40	4 x M4	1	12	18
	(80)	(159)	(0.78)	(1.3)		(35)	(2.362)	(1.575)		(0.039)	(0.472)	(0.709)
SKG-23	9	23	1	1.5	6 x M6	10	77	55	4 x M6	1.4	18	24
	(80)	(204)	(3.41)	(3.3)		(89)	(3.031)	(2.165)		(0.055)	(0.709)	(0.945)
SKG-35	18	35	1	1.5	6 x M6	10	77	55	4 x M6	1.4	18	24
	(159)	(310)	(3.41)	(3.3)		(89)	(3.031)	(2.165)		(0.055)	(0.709)	(0.945)
SKG-75	25	75	1	1.5	6 x M6	10	77	55	4 x M6	1.4	18	24
	(221)	(664)	(3.41)	(3.3)		(89)	(3.031)	(2.165)		(0.055)	(0.709)	(0.945)
SKG-100	50	100	2.3	2.1	6 x M6	12	92	55	4 x M6	1.4	22	39
	(443)	(886)	(7.84)	(4.6)		(106)	(3.622)	(2.165)		(0.055)	(0.866)	(1.535)
SKG-170	65	170	5	3.7	6 x M6	12	105	66	4 x M6	1.7	22	39
	(576)	(1506)	(17.1)	(8.1)		(106)	(4.134)	(2.598)		(0.067)	(0.866)	(1.535)
SKG-270	100	270	16	7	6 x M8	34	135	85	6 x M8	2.2	29	44
	(886)	(2392)	(54.6)	(15)		(301)	(5.315)	(3.346)		(0.087)	(1.142)	(1.732)
SKG-550	200	550	16	7	6 x M8	34	135	85	6 x M8	2.2	29	44
	(1772)	(4872)	(54.6)	(15)		(301)	(5.315)	(3.346)		(0.087)	(1.142)	(1.732)
SKG-1000	400	1000	93	22	6 x M12	115	190	134	6 x M12	3.2	41	62
	(3543)	(8858)	(315)	(48)		(1019)	(7.48)	(5.276)		(0.126)	(1.614)	(2.441)
SKG-1500	600	1500	95	22	6 x M12	115	190	134	6 x M12	3.2	41	62
	(5315)	(13286)	(322)	(48)		(1019)	(7.48)	(5.276)		(0.126)	(1.614)	(2.441)

Coupling must be selected so nominal torque is higher than highest operational torque of the application (i.e., during acceleration). Bore diameters smaller than the minimum are possible but reliable transmission of nominal torque cannot be guaranteed.