

► 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

- Aluminum and steel hubs; steel safety element

Size SKG	Disengagement Torque Range		Moment of Inertia 10 ⁻³ kgm ² (lb-in ²)	Mass kg (lbs)	Screw Size	Torque to Tighten Screws		Outer Diameter mm (inch)	Length mm (inch)	Thread Size for Pulley	Switching Distance mm (inch)	Bore Range	
	Nm (lb-in)					Nm (lb-in)						min. mm (inch)	max. mm (inch)
SKG-4	2	4	0.2	0.5	M4	4		60	40	4xM4	1	12	18
	(18)	(35)	(0.68)	(1.10)		(35)		(2.362)	(1.575)			(0.472)	(0.709)
SKG-9	4	9	0.2	0.5	M4	4		60	40	4xM4	1	12	18
	(35)	(80)	(0.68)	(1.10)		(35)		(2.362)	(1.575)			(0.472)	(0.709)
SKG-18	9	18	0.2	0.5	M4	4		60	40	4xM4	1	12	18
	(80)	(159)	(0.68)	(1.10)		(35)		(2.362)	(1.575)			(0.472)	(0.709)
SKG-23	9	23	0.7	1.1	M5	8		77	54	4xM6	1.4	18	25.5
	(80)	(204)	(2.39)	(2.43)		(71)		(3.031)	(2.126)			(0.709)	(1.004)
SKG-35	18	35	0.7	1.1	M5	8		77	54	4xM6	1.4	18	25.5
	(159)	(310)	(2.39)	(2.43)		(71)		(3.031)	(2.126)			(0.709)	(1.004)
SKG-75	25	75	0.7	1.1	M5	8		77	54	4xM6	1.4	18	25.5
	(221)	(664)	(2.39)	(2.43)		(71)		(3.031)	(2.126)			(0.709)	(1.004)
SKG-100	50	100	1.8	1.9	M6	12		92	55	4xM6	1.4	22	39
	(443)	(885)	(6.15)	(4.19)		(106)		(3.622)	(2.165)			(0.866)	(1.535)
SKG-170	65	170	3	2.4	M6	12		105	66	4xM6	1.7	22	39
	(575)	(1505)	(10.25)	(5.29)		(106)		(4.134)	(2.598)			(0.866)	(1.535)
SKG-270	100	270	10.4	5	M8	35		135	85	4xM6	2.2	29	44
	(885)	(2390)	(35.54)	(11.02)		(310)		(5.315)	(3.346)			(1.142)	(1.732)
SKG-550	200	550	10.7	5.3	M8	35		135	85	4xM6	2.2	29	44
	(1770)	(4868)	(36.56)	(11.68)		(310)		(5.315)	(3.346)			(1.142)	(1.732)

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.

Type Code for Safety Couplings

Series	Size	Bore 1* (Coupling End)	Key	Bore 2** (Safety Element)	Key	Disengagement Torque	Configuration Code
SKB-KP	- 30	- 15000	N	- 00750	N	- 25	- C0000
See safety coupling tables for available series and sizes		Bore diameter in 00.000 mm or inches. For example 15000 = 15 mm 00750 = 0.750 in	N = No Keyway K = Keyway	Bore diameter in 00.0000 mm or inches. For example 15000 = 15.000 mm 00750 = 0.750 in	K = Keyway N = No Keyway	in Nm	Assigned by GAM

*See coupling tables for minimum and maximum bore available. For couplings with 2 bores of different sizes, list the larger bore first (Bore 1).

** Bore 2 used for Direct type safety couplings only