



# ► SKB SERIES INDIRECT DRIVE SAFETY COUPLING



## Major Features

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

## Material

- Steel hubs; steel safety element

## Technical data/Dimensions

Size SKB	Disengagement Torque Range		Moment of Inertia 10 <sup>-3</sup> kgm <sup>2</sup> (lb-in <sup>2</sup> )	Mass kg (lbs)	Screw Size	Torque to Tighten Screws Nm (lb-in)	Thread Size for Pulley	Outer Diameter mm (inch)	Length mm (inch)	Switching Distance mm (inch)	Bore Range	
	Nm (lb-in)										min. mm (inch)	max. mm (inch)
SKB-6	2	6	0.09 (0.31)	0.36 (0.8)	M5	10 (89)	6 x M3	48 (1.89)	41 (1.614)	0.9 (0.035)	7	16
	(18)	(53)									(0.276)	(0.63)
SKB-12	6	12	0.09 (0.31)	0.36 (0.8)	M5	10 (89)	6 x M3	48 (1.89)	41 (1.614)	0.9 (0.035)	11	16
	(53)	(106)									(0.433)	(0.63)
SKB-15	8	15	0.36 (1.23)	0.8 (1.8)	M6	18 (159)	6 x M4	66 (2.598)	48 (1.89)	1.2 (0.047)	11	25.4
	(71)	(133)									(0.433)	(1)
SKB-30	13	30	0.36 (1.23)	0.8 (1.8)	M6	18 (159)	6 x M4	66 (2.598)	48 (1.89)	1.2 (0.047)	15	25.4
	(115)	(266)									(0.591)	(1)
SKB-45	22	45	0.36 (1.23)	0.8 (1.8)	M6	18 (159)	6 x M4	66 (2.598)	48 (1.89)	1.2 (0.047)	18	25.4
	(195)	(399)									(0.709)	(1)
SKB-60	25	60	1.1 (3.75)	1.5 (3.3)	M8	40 (354)	6 x M6	83 (3.268)	55.5 (2.185)	1.6 (0.063)	18	35
	(221)	(531)									(0.709)	(1.378)
SKB-100	40	100	1.1 (3.75)	1.5 (3.3)	M8	40 (354)	6 x M6	83 (3.268)	55.5 (2.185)	1.6 (0.063)	22	35
	(354)	(886)									(0.866)	(1.378)
SKB-150	60	150	1.1 (3.75)	1.5 (3.3)	M8	40 (354)	6 x M6	83 (3.268)	55.5 (2.185)	1.6 (0.063)	26	35
	(531)	(1329)									(1.024)	(1.378)
SKB-230	80	230	4.2 (14.24)	3.3 (7.3)	M10	80 (709)	6 x M8	109 (4.291)	71.5 (2.815)	1.8 (0.071)	25	44
	(709)	(2037)									(0.984)	(1.732)
SKB-330	130	330	4.2 (14.24)	3.3 (7.3)	M10	80 (709)	6 x M8	109 (4.291)	71.5 (2.815)	1.8 (0.071)	32	44
	(1151)	(2923)									(1.26)	(1.732)
SKB-500	200	500	12.2 (41.4)	6.2 (13.6)	M14	220 (1949)	8 x M8	132 (5.197)	87.5 (3.445)	2.5 (0.098)	35	58
	(1772)	(4429)									(1.378)	(2.283)
SKB-800	350	800	12.2 (41.4)	6.2 (13.6)	M14	220 (1949)	8 x M8	132 (5.197)	87.5 (3.445)	2.5 (0.098)	42	58
	(3100)	(7086)									(1.654)	(2.283)

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.