



SKB-KP SERIES DIRECT DRIVE BELLOWS SAFETY COUPLING



Major Features

- Bellows safety coupling with radial clamping hubs.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Bellow compensates for axial, lateral and angular misalignment.
- Adjustable disengagement torque.

Material

- Stainless steel bellow; aluminum and steel hubs; steel safety element

Technical data/Dimensions

Size SKB-KP	Disengagement Torque Range		Moment of Inertia	Torsion Resistance	Max. Lateral Misalign- ment	Mass	Screw Size	Torque to Tighten Screws		Outer Diameter	Length	Switch- ing Distance	Bore Range øD1*		Bore Range øD2**	
	Nm (lb-in)	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	Nm/ arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		*Al Hub Nm (lb-in)	**Steel Hub Nm (lb-in)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)
SKB-KP-6	2 (18)	6 (53)	0.13 (0.44)	2.6 (115.1)	0.15 (0.006)	0.45 (1)	M5	7 (62)	10 (89)	52.5 (2.067)	89 (3.504)	0.9 (0.035)	6 (0.236)	21 (0.827)	7 (0.276)	16 (0.63)
SKB-KP-12	6 (53)	12 (106)	0.13 (0.44)	2.6 (115.1)	0.15 (0.006)	0.45 (1)	M5	7 (62)	10 (89)	52.5 (2.067)	89 (3.504)	0.9 (0.035)	8 (0.315)	21 (0.827)	11 (0.433)	16 (0.63)
SKB-KP-15	8 (71)	15 (133)	0.22 (0.75)	9 (398.3)	0.2 (0.008)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	94.5 (3.72)	1.2 (0.047)	9 (0.354)	30 (1.181)	11 (0.433)	25.4 (1)
SKB-KP-30	13 (115)	30 (266)	0.22 (0.75)	9 (398.3)	0.2 (0.008)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	94.5 (3.72)	1.2 (0.047)	12 (0.472)	30 (1.181)	15 (0.591)	25.4 (1)
SKB-KP-45	22 (195)	45 (399)	0.22 (0.75)	9 (398.3)	0.2 (0.008)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	94.5 (3.72)	1.2 (0.047)	16 (0.63)	30 (1.181)	18 (0.709)	25.4 (1)
SKB-KP-60	25 (221)	60 (531)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	1.9 (4.2)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	15 (0.591)	38 (1.496)	18 (0.709)	35 (1.378)
SKB-KP-100	40 (354)	100 (886)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	1.9 (4.2)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	20 (0.787)	38 (1.496)	22 (0.866)	35 (1.378)
SKB-KP-150	60 (531)	150 (1329)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	1.9 (4.2)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	25 (0.984)	38 (1.496)	26 (1.024)	35 (1.378)
SKB-KP-230	80 (709)	230 (2037)	5.5 (18.8)	28 (1239.1)	0.2 (0.008)	4 (8.8)	M10	65 (575)	80 (708)	115 (4.528)	132 (5.197)	1.8 (0.071)	25 (0.984)	43 (1.693)	25 (0.984)	44 (1.732)
SKB-KP-330	130 (1151)	330 (2923)	5.5 (18.8)	28 (1239.1)	0.2 (0.008)	4 (8.8)	M10	65 (575)	80 (708)	115 (4.528)	132 (5.197)	1.8 (0.071)	32 (1.26)	43 (1.693)	32 (1.26)	44 (1.732)
SKB-KP-500	200 (1772)	500 (4429)	14 (47.5)	52 (2301.3)	0.2 (0.008)	7.5 (16.5)	M12 M14	115 (1018)	220 (1947)	137 (5.394)	152.5 (6.004)	2.5 (0.098)	35 (1.378)	55 (2.165)	35 (1.378)	58 (2.283)
SKB-KP-800	350 (3100)	800 (7086)	16 (54.24)	106 (4691)	0.2 (0.008)	8 (17.6)	M12 M14	115 (1018)	220 (1947)	137 (5.394)	167 (6.575)	2.5 (0.098)	42 (1.654)	75 (2.953)	42 (1.654)	58 (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.

*Bellows side of coupling

**Safety element

SKB-KS SERIES DIRECT DRIVE BELLOWS SAFETY COUPLING



Major Features

- Bellows safety coupling with self-centering conical hub and radial clamping hub.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Bellows compensates for axial, lateral and angular misalignment.
- Adjustable disengagement torque.

Material

- Stainless steel bellows; aluminum and steel hubs; steel safety element

Technical data/Dimensions

Size SKB-KS	Disengagement Torque Range		Moment of Inertia	Torsion Resistance	Max. Lateral Misalign- ment	Mass	Screw Size	Torque to Tighten Screws		Outer Diameter	Length	Switch- ing Distance	Bore Range $\phi D1^*$		Bore Range $\phi D2^{**}$	
	Nm (lb-in)		10^{-3}kgm^2 (lb-in ²)	Nm/ arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)	*/**	Nm* (lb-in)	Nm** (lb-in)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)
SKB-KS-6	2 (18)	6 (53)	0.13 (0.44)	2.6 (115.1)	0.15 (0.006)	0.5 (1.1)	M4 / M5	3 (27)	10 (89)	52.5 (2.067)	89 (3.504)	0.9 (0.035)	6 (0.236)	15 (0.591)	7 (0.276)	16 (0.63)
SKB-KS-12	6 (53)	12 (106)	0.13 (0.44)	2.6 (115.1)	0.15 (0.006)	0.5 (1.1)	M4 / M5	3 (27)	10 (89)	52.5 (2.067)	89 (3.504)	0.9 (0.035)	6 (0.236)	15 (0.591)	11 (0.433)	16 (0.63)
SKB-KS-15	8 (71)	15 (133)	0.24 (0.82)	9 (398.3)	0.2 (0.008)	1.1 (2.4)	M4 / M6	4 (35)	18 (159)	69 (2.717)	86 (3.386)	1.2 (0.047)	9 (0.354)	19 (0.748)	11 (0.433)	25.4 (1)
SKB-KS-30	13 (115)	30 (266)	0.24 (0.82)	9 (398.3)	0.2 (0.008)	1.1 (2.4)	M4 / M6	4 (35)	18 (159)	69 (2.717)	86 (3.386)	1.2 (0.047)	9 (0.354)	19 (0.748)	15 (0.591)	25.4 (1)
SKB-KS-45	22 (195)	45 (399)	0.24 (0.82)	9 (398.3)	0.2 (0.008)	1.1 (2.4)	M4 / M6	4 (35)	18 (159)	69 (2.717)	86 (3.386)	1.2 (0.047)	10 (0.394)	19 (0.748)	18 (0.709)	25.4 (1)
SKB-KS-60	25 (221)	60 (531)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	2.1 (4.6)	M6 / M8	14 (124)	40 (354)	88 (3.465)	99 (3.898)	1.6 (0.063)	12 (0.472)	25 (0.984)	18 (0.709)	35 (1.378)
SKB-KS-100	40 (354)	100 (886)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	2.1 (4.6)	M6 / M8	14 (124)	40 (354)	88 (3.465)	99 (3.898)	1.6 (0.063)	12 (0.472)	25 (0.984)	22 (0.866)	35 (1.378)
SKB-KS-150	60 (531)	150 (1329)	1.5 (5.08)	20 (885.1)	0.2 (0.008)	2.1 (4.6)	M6 / M8	14 (124)	40 (354)	88 (3.465)	99 (3.898)	1.6 (0.063)	14 (0.551)	25 (0.984)	26 (1.024)	35 (1.378)
SKB-KS-230	80 (709)	230 (2037)	5.6 (19.14)	28 (1239.1)	0.2 (0.008)	4.4 (9.7)	M6 / M10	14 (124)	80 (708)	115 (4.528)	120 (4.724)	1.8 (0.071)	18 (0.709)	35 (1.378)	25 (0.984)	44 (1.732)
SKB-KS-330	130 (1151)	330 (2923)	5.6 (19.14)	28 (1239.1)	0.2 (0.008)	4.4 (9.7)	M6 / M10	14 (124)	80 (708)	115 (4.528)	120 (4.724)	1.8 (0.071)	22 (0.866)	35 (1.378)	32 (1.26)	44 (1.732)
SKB-KS-500	200 (1772)	500 (4429)	15 (51.27)	52 (2301.3)	0.2 (0.008)	8 (17.6)	M8 / M14	34 (301)	220 (1947)	137 (5.394)	141 (5.551)	2.5 (0.098)	26 (1.024)	42 (1.654)	35 (1.378)	58 (2.283)
SKB-KS-800	350 (3100)	800 (7086)	17 (58.11)	106 (4691)	0.2 (0.008)	9 (19.8)	M10 / M14	65 (575)	220 (1947)	137 (5.394)	156 (6.142)	2.5 (0.098)	32 (1.26)	48 (1.89)	42 (1.654)	58 (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.

*Bellows side of coupling

**Safety element



SKB-EK SERIES DIRECT DRIVE ELASTOMER SAFETY COUPLING



Major Features

- Elastomer safety coupling with radial EASY Clamp System hubs.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Electronically insulating and dampens oscillation resonance.

Material

- Aluminum and steel hubs; elastomer spider; steel safety element

Technical data/Dimensions

Size SKB-EK	Disengagement Torque Range		Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size	Torque to Tighten Screws		Outer Diameter	Length	Switch- ing Distance	Bore Range øD1*		Bore Range øD2**			
	Nm (lb-in)	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	Nm/arc- min (lb-ft/ Deg)	mm (inch)	kg (lbs)		*Al Hub Nm (lb-in)	**Steel Hub Nm (lb-in)				mm (inch)	mm (inch)	min.	max.	min.	max.
	SKB-EK-6	2 (18)	6 (53)	0.13 (0.44)	0.24 (10.6)	0.1 (0.004)		0.44 (1)	M5				8 (71)	10 (89)	52.5 (2.067)	77 (3.031)	0.9 (0.035)	8 (0.315)
SKB-EK-12	6 (53)	12 (106)	0.13 (0.44)	0.24 (10.6)	0.1 (0.004)	0.44 (1)	M5	8 (71)	10 (89)	52.5 (2.067)	77 (3.031)	0.9 (0.035)	8 (0.315)	20 (0.787)	11 (0.433)	16 (0.63)		
SKB-EK-15	8 (71)	15 (133)	0.5 (1.71)	0.61 (27)	0.1 (0.004)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	91.5 (3.602)	1.2 (0.047)	12 (0.472)	32 (1.26)	11 (0.433)	25.4 (1)		
SKB-EK-30	13 (115)	30 (266)	0.5 (1.71)	0.61 (27)	0.1 (0.004)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	91.5 (3.602)	1.2 (0.047)	12 (0.472)	32 (1.26)	15 (0.591)	25.4 (1)		
SKB-EK-45	22 (195)	45 (398)	0.5 (1.71)	0.61 (27)	0.1 (0.004)	1 (2.2)	M6	14 (124)	18 (159)	69 (2.717)	91.5 (3.602)	1.2 (0.047)	14 (0.551)	32 (1.26)	18 (0.709)	25.4 (1)		
SKB-EK-60	25 (221)	60 (531)	1.5 (5.08)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	16 (0.63)	33 (1.299)	18 (0.709)	35 (1.378)		
SKB-EK-100	40 (354)	100 (885)	1.5 (5.08)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	19 (0.748)	33 (1.299)	22 (0.866)	35 (1.378)		
SKB-EK-150	60 (531)	150 (1328)	1.5 (5.08)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	M8	35 (310)	40 (354)	88 (3.465)	107 (4.213)	1.6 (0.063)	22 (0.866)	33 (1.299)	26 (1.024)	35 (1.378)		
SKB-EK-230	80 (708)	230 (2036)	5.6 (19.14)	2 (88.5)	0.12 (0.005)	4.2 (9.3)	M10	70 (620)	80 (708)	115 (4.528)	134 (5.276)	1.8 (0.071)	24 (0.945)	42 (1.654)	25 (0.984)	44 (1.732)		
SKB-EK-330	130 (1151)	330 (2921)	5.6 (19.14)	2 (88.5)	0.12 (0.005)	4.2 (9.3)	M10	70 (620)	80 (708)	115 (4.528)	134 (5.276)	1.8 (0.071)	32 (1.26)	42 (1.654)	32 (1.26)	44 (1.732)		
SKB-EK-500	200 (1770)	500 (4425)	17 (58.11)	8 (354)	0.15 (0.006)	8.6 (19)	M14	185 (1637)	220 (1947)	137 (5.394)	167.5 (6.594)	2.5 (0.098)	30 (1.181)	70 (2.756)	35 (1.378)	58 (2.283)		
SKB-EK-800	350 (3098)	800 (7080)	17 (58.11)	8 (354)	0.15 (0.006)	8.6 (19)	M14	185 (1637)	220 (1947)	137 (5.394)	167.5 (6.594)	2.5 (0.098)	42 (1.654)	70 (2.756)	42 (1.654)	58 (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.

*Elastomer side of coupling

**Safety element

SKB-ES SERIES DIRECT DRIVE ELASTOMER SAFETY COUPLING



Major Features

- Elastomer safety coupling with self-centering conical hub and radial clamping hubs.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Electronically insulating and dampens oscillation resonance.

Material

- Steel hubs; elastomer spider; steel safety element

Technical data/Dimensions

Size SKB-ES	Disengagement Torque Range		Moment of Inertia	Torsion Resistance	Max. Lateral Misalign- ment	Mass	Screw Size	Torque to Tighten Screws		Outer Diameter	Length	Switching Distance	Bore Range øD1*		Bore Range øD2**	
	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)	*/**	Nm* (lb-in)	Nm** (lb-in)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)
SKB-ES-6	2 (18)	6 (53)	0.13 (0.44)	0.24 (10.6)	0.1 (0.004)	0.44 (1)	6x M4 / M5	4 (35)	10 (89)	52.5 (2.067)	85 (3.346)	0.9 (0.035)	9 (0.354)	19 (0.748)	7 (0.276)	16 (0.63)
SKB-ES-12	6 (53)	12 (106)	0.13 (0.44)	0.24 (10.6)	0.1 (0.004)	0.44 (1)	6x M4 / M5	4 (35)	10 (89)	52.5 (2.067)	85 (3.346)	0.9 (0.035)	9 (0.354)	19 (0.748)	11 (0.433)	16 (0.63)
SKB-ES-15	8 (71)	15 (133)	0.55 (1.88)	0.6 (26.6)	0.1 (0.004)	1 (2.2)	4x M5 / M6	8 (71)	18 (159)	69 (2.717)	100.5 (3.957)	1.2 (0.047)	12 (0.472)	26 (1.024)	12 (0.472)	25.4 (1)
SKB-ES-30	13 (115)	30 (266)	0.55 (1.88)	0.6 (26.6)	0.1 (0.004)	1 (2.2)	4x M5 / M6	8 (71)	18 (159)	69 (2.717)	100.5 (3.957)	1.2 (0.047)	12 (0.472)	26 (1.024)	15 (0.591)	25.4 (1)
SKB-ES-45	22 (195)	45 (398)	0.55 (1.88)	0.6 (26.6)	0.1 (0.004)	1 (2.2)	4x M5 / M6	8 (71)	18 (159)	69 (2.717)	100.5 (3.957)	1.2 (0.047)	12 (0.472)	26 (1.024)	18 (0.709)	25.4 (1)
SKB-ES-60	25 (221)	60 (531)	1.6 (5.47)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	8x M5 / M8	8 (71)	40 (354)	88 (3.465)	115.5 (4.547)	1.6 (0.063)	12 (0.472)	36 (1.417)	18 (0.709)	35 (1.378)
SKB-ES-100	40 (354)	100 (885)	1.6 (5.47)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	8x M5 / M8	8 (71)	40 (354)	88 (3.465)	115.5 (4.547)	1.6 (0.063)	12 (0.472)	36 (1.417)	22 (0.866)	35 (1.378)
SKB-ES-150	60 (531)	150 (1328)	1.6 (5.47)	1.05 (46.5)	0.1 (0.004)	2 (4.4)	8x M5 / M8	8 (71)	40 (354)	88 (3.465)	115.5 (4.547)	1.6 (0.063)	14 (0.551)	36 (1.417)	26 (1.024)	35 (1.378)
SKB-ES-230	80 (708)	230 (2036)	6 (20.51)	2 (88.5)	0.12 (0.005)	4.2 (9.3)	4x M8 / M10	35 (310)	80 (708)	115 (4.528)	148 (5.827)	1.8 (0.071)	19 (0.748)	40 (1.575)	25 (0.984)	44 (1.732)
SKB-ES-330	130 (1151)	330 (2921)	6 (20.51)	2 (88.5)	0.12 (0.005)	4.2 (9.3)	4x M8 / M10	35 (310)	80 (708)	115 (4.528)	148 (5.827)	1.8 (0.071)	19 (0.748)	40 (1.575)	32 (1.26)	44 (1.732)
SKB-ES-500	200 (1770)	500 (4425)	21 (71.2)	8 (354)	0.15 (0.006)	8.6 (19)	4x M12 / M14	115 (1018)	220 (1947)	137 (5.394)	190.5 (7.5)	2.5 (0.098)	25 (0.984)	60 (2.362)	35 (1.378)	58 (2.283)
SKB-ES-800	350 (3098)	800 (7080)	21 (71.2)	8 (354)	0.15 (0.006)	8.6 (19)	4x M12 / M14	115 (1018)	220 (1947)	137 (5.394)	190.5 (7.5)	2.5 (0.098)	28 (1.102)	60 (2.362)	42 (1.654)	58 (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.

*Elastomer side of coupling

**Safety element



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

► 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.



▶ SKX-L SERIES INDIRECT DRIVE SAFETY COUPLING



Major Features

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

Material

- Steel hubs; steel safety element

Technical data/Dimensions

Size SKX-L	Disengagement Torque Range		Moment of Inertia	Mass	Screw Size	Torque to Tighten Screws	Thread Size for Pulley	Outer Diameter	Length	Switching Distance	Bore Range		Extended Diameter
	Nm (lb-in)	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	kg (lbs)		Nm (lb-in)		mm (inch)	mm (inch)		mm (inch)	min. (inch)	
SKX-L-6	2	6	0.05	0.25	M5	10	6 x M3	42	46	0.9	7	16	20
	(18)	(53)	(0.17)	(0.6)		(89)		(1.654)	(1.811)		(0.035)	(0.276)	(0.63)
SKX-L-12	6	12	0.05	0.25	M5	10	6 x M3	42	46	0.9	11	16	20
	(53)	(106)	(0.17)	(0.6)		(89)		(1.654)	(1.811)		(0.035)	(0.433)	(0.63)
SKX-L-15	8	15	0.25	0.65	M6	18	6 x M4	60	52	1.2	11	25.4	30
	(71)	(133)	(0.85)	(1.4)		(159)		(2.362)	(2.047)		(0.047)	(0.433)	(1)
SKX-L-30	13	30	0.25	0.65	M6	18	6 x M4	60	52	1.2	15	25.4	30
	(115)	(266)	(0.85)	(1.4)		(159)		(2.362)	(2.047)		(0.047)	(0.591)	(1)
SKX-L-45	22	45	0.25	0.65	M6	18	6 x M4	60	52	1.2	18	25.4	30
	(195)	(398)	(0.85)	(1.4)		(159)		(2.362)	(2.047)		(0.047)	(0.709)	(1)
SKX-L-60	25	60	0.95	1.5	M8	40	6 x M6	76	69	1.6	18	35	42
	(221)	(531)	(3.25)	(3.3)		(354)		(2.992)	(2.717)		(0.063)	(0.709)	(1.378)
SKX-L-100	40	100	0.95	1.5	M8	40	6 x M6	76	69	1.6	22	35	42
	(354)	(885)	(3.25)	(3.3)		(354)		(2.992)	(2.717)		(0.063)	(0.866)	(1.378)
SKX-L-150	60	150	0.95	1.5	M8	40	6 x M6	76	69	1.6	26	35	42
	(531)	(1328)	(3.25)	(3.3)		(354)		(2.992)	(2.717)		(0.063)	(1.024)	(1.378)
SKX-L-230	80	230	3.3	3	M10	80	6 x M8	104	84	1.8	25	42	50
	(708)	(2036)	(11.28)	(6.6)		(708)		(4.094)	(3.307)		(0.071)	(0.984)	(1.654)
SKX-L-330	130	330	3.3	3	M10	80	6 x M8	104	84	1.8	32	42	50
	(1151)	(2921)	(11.28)	(6.6)		(708)		(4.094)	(3.307)		(0.071)	(1.26)	(1.654)
SKX-L-500	200	500	10.7	6	M14	220	6 x M10	132	104	2.5	35	58	65
	(1770)	(4425)	(36.27)	(13.2)		(1947)		(5.197)	(4.094)		(0.098)	(1.378)	(2.283)
SKX-L-800	350	800	10.7	6	M14	220	6 x M10	132	104	2.5	42	58	65
	(3098)	(7080)	(36.27)	(13.2)		(1947)		(5.197)	(4.094)		(0.098)	(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.

► ECH SERIES INDIRECT DRIVE SAFETY COUPLING



Major Features

- Chain drive safety coupling with keyed connection.
- Upon disengagement, coupling will re-engage automatically at only one point per revolution and retain the drive's reference point.
- Short profile, low cost.
- Adjustable disengagement torque.

Material

- Steel hubs; steel safety element

Technical data/Dimensions

Size ECH	Disengagement Torque Range		Moment of Inertia	Mass	Outer Diameter	Length	Switching Distance	Bore Range		Extended Diameter	Smallest Possible Chain Wheels Pitch Size Number of Teeth
	Nm (lb-in)		10 ⁻³ kgm ² (lb-in ²)	kg (lbs)	mm (inch)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)	mm (inch)	
ECH-5	2	5	0.15	0.35	64	33	1	10	22	20	0.3125, 0.375, 0.5, 0.63
	(18)	(44)	(0.51)	(0.8)	(2.52)	(1.299)	(0.039)	(0.394)	(0.866)	(0.787)	20, 25, 20, 16
ECH-16	6	16	0.16	0.35	64	33	1	12	22	20	0.3125, 0.375, 0.5, 0.63
	(53)	(142)	(0.55)	(0.8)	(2.52)	(1.299)	(0.039)	(0.472)	(0.866)	(0.787)	20, 25, 20, 16
ECH-25	10	25	0.16	0.36	64	33	1	14	22	30	0.3125, 0.375, 0.5, 0.63
	(89)	(221)	(0.55)	(0.8)	(2.52)	(1.299)	(0.039)	(0.551)	(0.866)	(1.181)	20, 25, 20, 16
ECH-40	16	40	0.29	0.5	72	36	1.2	16	28	30	0.3125, 0.375, 0.5, 0.625, 0.75
	(142)	(354)	(0.99)	(1.1)	(2.835)	(1.417)	(0.047)	(0.63)	(1.102)	(1.181)	22, 28, 22, 18, 16
ECH-63	25	63	0.3	0.5	72	36	1.2	18	28	30	0.3125, 0.375, 0.5, 0.625, 0.75
	(221)	(558)	(1.03)	(1.1)	(2.835)	(1.417)	(0.047)	(0.709)	(1.102)	(1.181)	22, 28, 22, 18, 16
ECH-80	32	80	0.52	0.7	82	43	1.4	18	32	42	0.3125, 0.375, 0.5, 0.625, 0.75, 1.0
	(283)	(708)	(1.78)	(1.5)	(3.228)	(1.693)	(0.055)	(0.709)	(1.26)	(1.654)	25, 32, 25, 20, 18, 14
ECH-140	56	140	0.54	0.7	82	43	1.4	20	32	42	0.3125, 0.375, 0.5, 0.625, 0.75, 1.0
	(496)	(1239)	(1.85)	(1.5)	(3.228)	(1.693)	(0.055)	(0.787)	(1.26)	(1.654)	25, 32, 25, 20, 18, 14
ECH-200	80	200	2.54	1.6	110	57	1.7	22	50	42	0.3125, 0.5, 0.625, 0.75, 1.0, 1.25
	(708)	(1770)	(8.68)	(3.5)	(4.331)	(2.244)	(0.067)	(0.866)	(1.969)	(1.654)	32, 32, 26, 22, 17, 15
ECH-400	160	400	2.64	1.7	110	57	1.7	26	50	50	0.3125, 0.5, 0.625, 0.75, 1.0, 1.25
	(1416)	(3540)	(9.02)	(3.7)	(4.331)	(2.244)	(0.067)	(1.024)	(1.969)	(1.969)	32, 32, 26, 22, 17, 15
ECH-630	250	630	10.9	4	148	75	2.4	30	60	50	0.625, 0.75, 1.0, 1.25
	(2213)	(5576)	(37.26)	(8.8)	(5.827)	(2.953)	(0.094)	(1.181)	(2.362)	(1.969)	34, 28, 22, 19
ECH-1000	400	1000	44.8	9.4	202	92	2.8	40	80	65	0.75, 1.0, 1.25, 1.5
	(3540)	(8850)	(153.13)	(20.7)	(7.953)	(3.622)	(0.11)	(1.575)	(3.15)	(2.559)	37, 28, 23, 20

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.