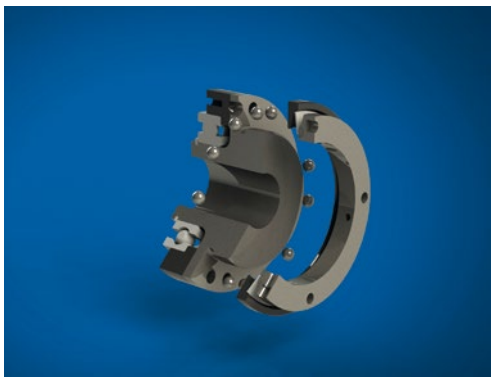
Possible systems with safety couplings



Single Position C

When exceeding the adjusted overload torque, the coupling will disengage. After eliminating the malfunction, the coupling will re-engage automatically. This can only happen at a certain position within 360° which can be noticed on the markings of the adjusting ring and the flange.

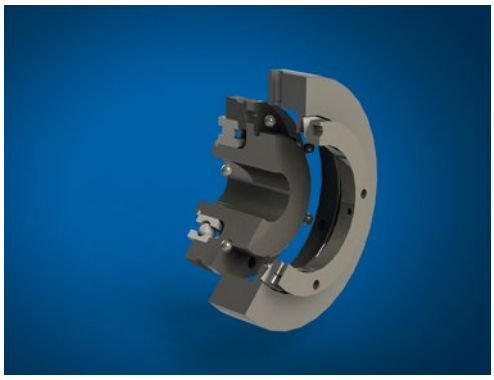
Note: Engagement is only possible at low speed.

Multi Position D

When exceeding the adjusted overload torque, the coupling will disengage. After eliminating the malfunction, the coupling will re-engage automatically at the next successive ball points. Thus the safety coupling is immediately ready for use.

Note: Engagement is only possible at low speed.

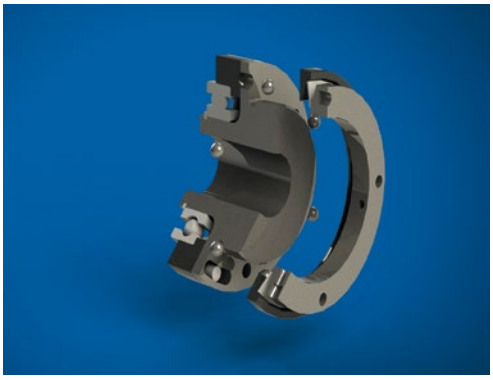
Up to size 30 the angle of engagement is 45°.
From size 60 the angle of engagement is 60°.
Further angles of engagement upon request.



Full Disengagement F

When exceeding the adjusted overload torque, the coupling will disengage. The driving and driven side are permanently torque-free separated from each other. After eliminating the malfunction, the coupling can be re-engaged by applying axial pressure on the pressure ring. It might be necessary to slightly rotate the driving and driven side towards each other.

Note: Engagement is only possible at standstill



Failsafe System G

When the preset overload torque has been reached, the coupling will disengage and after a few angle degrees it will be mechanically locked. The response of the safety coupling is detected by using a limit switch and the torque flow will be stopped.

Safety Couplings with metal bellows

KBK|BKK -2 ~ 500

Safety Coupling
with collet clamp

P. 22

KBK|BKI -10 ~ 500

Safety Coupling
with collet clamp and inner cone

P. 23

KBK|BKA -10 ~ 500

Safety Coupling
with collet clamp and outer cone

P. 24

KBK|BHH -10 ~ 500

Safety Coupling
with split hubs

P. 25

KBK|BKPK -2 ~ 60

Safety Coupling
axial pluggable, with collet clamp

P. 26

KBK|BKPK -80 ~ 500

Safety Coupling
axial pluggable, with collet clamp

P. 27

KBK|BKPI -10 ~ 500

Safety Coupling
axial pluggable, with inner cone

P. 28

KBK|BKPA -10 ~ 500

Safety Coupling
axial pluggable, with outer cone

P. 29

KBK|BIK -10 ~ 500

Safety Coupling
with inner cone and collet clamp

P. 30

KBK|BII -10 ~ 1400

Safety Coupling
with two inner cones

P. 31

KBK|BIA -10 ~ 1400

Safety Coupling
with inner cone and outer cone

P. 32

KBK|BAK -10 ~ 500

Safety Coupling
with outer cone and collet clamp

P. 33

Safety Couplings with metal bellows

KBK|BAI -10 ~ 1400

Safety Coupling
with outer cone and inner cone

P. 34

KBK|BAA -10 ~ 1400

Safety Coupling
with two outer cones

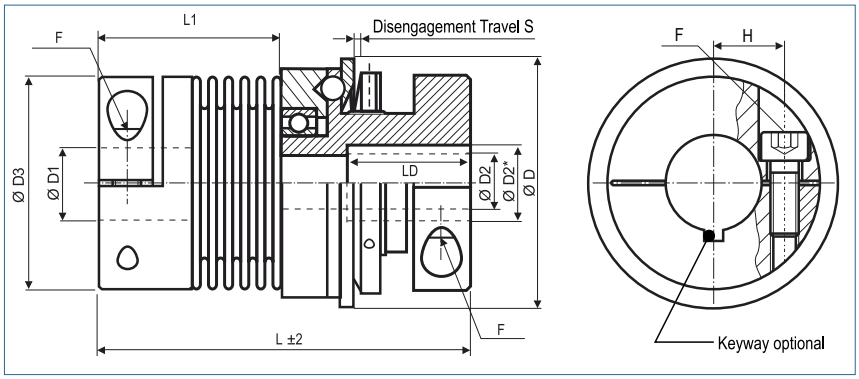
P. 35

Safety Coupling

with collet clamp

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BKK - 60 - 105 - 16H7 - 14H7 - 20Nm - C or **D - 1**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)									Technical Data										
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)						1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-2	29	46	3-14	3-8	25	9	M3	21	0.7	13200	0.08	0.06	0.2 - 1.5	0.5 - 2	1.5	67	12	0.15	0.3	1.5
		52					2	27							1.3	21	11	0.20	0.4	1.5
		56						31							1.0	11	9	0.25	0.5	2
-4.5	36	57	6-16	6-13	32.5	12	M4	27	0.7	12300	0.16	0.26	1 - 3	3 - 6	6.5	168	32	0.1	0.3	1.5
		65		9#			3.5	36							4.2	41	20	0.2	0.5	2
-7	49	65	6-25	6-16	40	15.5	M4	34	0.7	11690	0.25	0.58	1 - 4	3 - 7	8.1	120	27	0.15	0.4	1.5
		75		11#			5.1	43							6.8	29	17	0.3	0.6	2
-10	49	65	6-25	6-16	40	15.5	M4	34	0.7	11690	0.25	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		75		11#			5.1	43							6.8	29	17	0.3	0.6	2
-30	64	85	10-32	10-20	56	20	M6	40.5	1.2	9540	0.77	3.2	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		94	30#	14#			15	48.5							28	225	28	0.25	1	2
-60	79	105	12-32	12-28	66	23	M8	50	1.2	8180	1.34	8.2	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		115		21#			36	60							50	340	50	0.25	1	2
-80	94	113	14-42	14-35	82	28	M10	57.5	2	6220	3.52	31	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		125		27#			72	68.5							75	400	50	0.25	0.8	2
-150	94	113	19-42	14-35	82	28	M10	57.5	2	6220	3.52	31	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		125		27#			72	68.5							105	595	85	0.25	0.8	2
-200	109	125	22-45	22-41	90	31	M12	63	2	5720	4.45	53	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		138		33#			125	75							116	460	82	0.25	0.8	2
-300	119	140	30-60	30-50	110	39	M12	67	2	5200	6.47	97	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		150		41#			125	78							285	1400	145	0.25	0.8	2
-500	129	158	35-70	35-56	122	42	M12	70	2	4470	9.22	164	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		170		46#			125	81							320	970	85	0.25	1	2

Bore	> Ø D2 and ≤ D2* only over LD
Material	bellows – stainless steel collet clamp (size 2 to size 60): aluminium collet clamp (size 80 to size 500): steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Size	2	45	7	10	30	60	80	150	200	300	500
D2*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

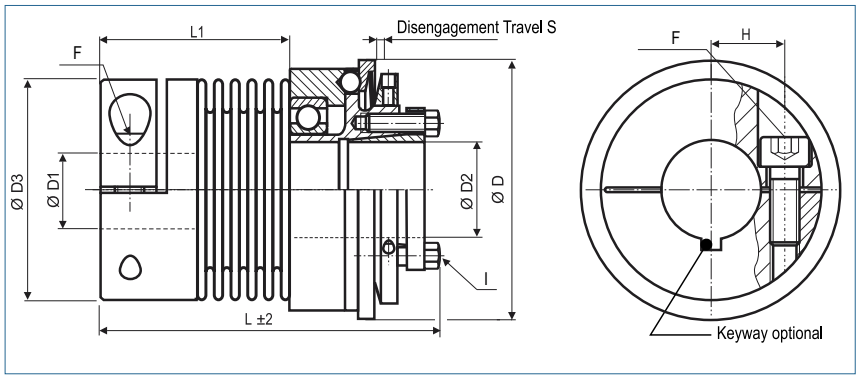
KBK/BKI -10 ~ 500

Safety Coupling

with collet clamp and inner cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BKI - 60 - 100 - 16H7 - 14H7 - 20Nm - C or **D - 1**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)										Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	65	6-25	6-14	40	15.5	M4	34	M3	0.7	11690	0.24	0.6	3-7	5-10	8.1	120	27	0.15	0.4	1.5
		75		10#			5.1	43	2.1							6.8	29	17	0.3	0.6	2
-30	64	77.5	10-32	12-20	56	20	M6	40.5	M5	1.2	9540	0.72	3.0	5-15	10-30	38	720	50	0.15	0.6	1.5
		86.5	30#	14#			15	48.5	6							28	225	28	0.25	1	2
-60	79	90	12-32	15-25	66	23	M8	50	M6	1.2	8180	1.3	7.9	12-35	20-60	75	1150	90	0.15	0.6	1.5
		100		18#			36	60	8.5							50	340	50	0.25	1	2
-80	94	106	14-42	20-35	82	28	M10	57.5	M6	2	6220	2.84	25	15-40	30-80	128	1200	80	0.2	0.5	1.5
		118		27#			72	68.5	14							75	400	50	0.25	0.8	2
-150	94	106	19-42	20-35	82	28	M10	57.5	M6	2	6220	2.84	25	50-130	65-150	155	2020	145	0.2	0.5	1.5
		118		27#			72	68.5	14							105	595	85	0.25	0.8	2
-200	109	113	22-45	20-40	90	31	M12	63	M6	2	5720	3.48	41	30-90	80-200	175	2500	147	0.2	0.5	1.5
		126		32#			125	75	14							116	460	82	0.25	0.8	2
-300	119	131	30-60	25-45	110	39	M12	67	M8	2	5200	5.35	80	60-200	150-300	502	6300	280	0.2	0.5	1.5
		141		37#			125	78	18							285	1400	145	0.25	0.8	2
-500	129	140	35-70	35-55	122	42	M12	70	M8	2	4470	7.54	134	80-250	200-500	690	7790	100	0.2	0.5	1.5
		151		45#			125	81	26							320	970	85	0.25	1	2

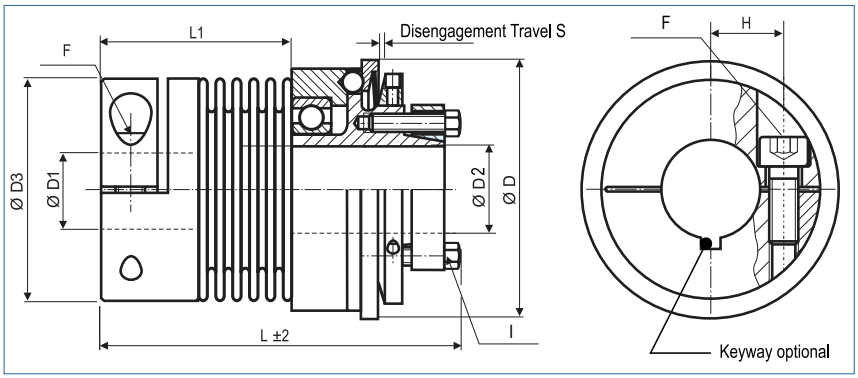
Material	bellows – stainless steel collet clamp (size 2 to size 60): aluminium collet clamp (size 80 to size 500): steel inner cone: steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Safety Coupling

with collet clamp and outer cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BKA - 60 - 108 - 16H7 - 14H7 - 20Nm - C or **D - 1**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)										Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	max. speed (1/min)	Mass (kg)	Moment of Inertia (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	67	6-25	5-14	40	15.5	M4	34	M3	0.7	11690	0.24	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		77		10#			5.1	43	2.1							6.8	29	17	0.3	0.6	2
-30	64	81	10-32	12-20	56	20	M6	40.5	M5	1.2	9540	0.71	2.9	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		90	30#	14#			15	48.5	5.9							28	225	28	0.25	1	2
-60	79	98	12-32	15-30	66	23	M8	50	M5	1.2	8180	1.29	7.9	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		108		22#			36	60	8.7							50	340	50	0.25	1	2
-80	94	115	14-42	20-35	82	28	M10	57.5	M6	2	6220	2.89	25	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		127		27#			72	68.5	15							75	400	50	0.25	0.8	2
-150	94	115	19-42	20-35	82	28	M10	57.5	M6	2	6220	2.89	25	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		126		27#			72	68.5	15							105	595	85	0.25	0.8	2
-200	109	122	22-45	20-42	90	31	M12	63	M6	2	5720	3.5	42	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		135		34#			125	75	15							116	460	82	0.25	0.8	2
-300	119	140	30-60	25-50	110	39	M12	67	M8	2	5200	5.23	79	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		150		41#			125	78	25							285	1400	145	0.25	0.8	2
-500	129	154	34-75	35-55	122	42	M12	70	M8	2	4470	7.5	135	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		165		45#			125	81	36							320	970	85	0.25	1	2

Material	outer cone – steel bellows - stainless steel collet clamp - aluminium; from Size 80 - steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

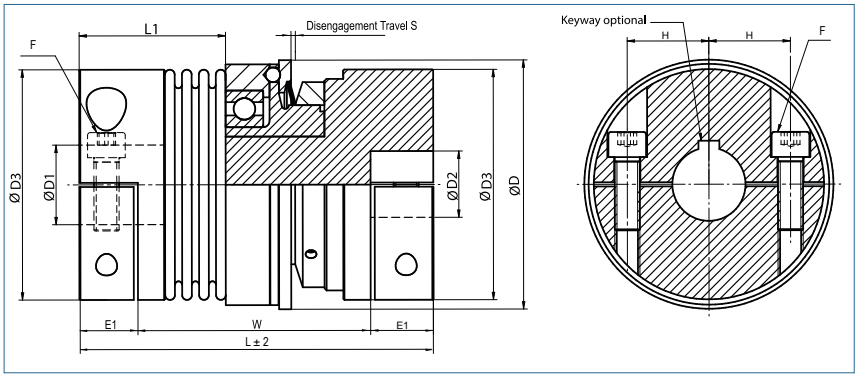
KBK|BHH -10 ~ 500

Safety Coupling

with split hubs

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BHH - 60 - 114 - 16H7 - 14H7 - 20Nm - C or **D - 1**

Type	Size	Length	ØD1 (H7)	ØD2 (H7)	Disengagement Torque		Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)											Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	E1	H	F	L1	W	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø			Screw ISO4762 TA (Nm)							1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	72	6-25	6-25	40	9	15.5	M4	34	54	0.7	11690	0,429	1,198	3	5	8.1	120	27	0.15	0.4	1.5
		81						5.1	43	63					7	10	6.8	29	17	0.3	0.6	2
-30	64	99	10-32	10-20	56	17	20	M6	42	65	1.2	9540	0,891	3,957	5	10	38	720	50	0.15	0.6	1.5
		107	30#					15	51	73					15	30	28	225	28	0.25	1	2
-60	79	116	12-32	12-28	66	22	23	M8	50	72	1.2	8180	1,523	9,705	12	20	75	1150	90	0.15	0.6	1.5
		127						36	60	83					35	60	50	340	50	0.25	1	2
-80	94	136	14-42	14-35	82	24	28	M10	60	86	2	6220	2,967	26,428	15	30	128	1200	80	0.2	0.5	1.5
		148						72	72	98					40	80	75	400	50	0.25	0.8	2
-150	94	136	19-42	14-35	82	24	28	M10	60	86	2	6220	2,967	26,428	50	65	155	2020	145	0.2	0.5	1.5
		148						72	72	98					130	150	105	595	85	0.25	0.8	2
-200	109	146	22-45	22-41	90	24	31	M12	66	92	2	5720	3,611	45,831	30	80	175	2500	147	0.2	0.5	1.5
		159						125	78	105					90	200	116	460	82	0.25	0.8	2
-300	119	171	30-60	30-50	110	30	39	M12	72	112	2	5200	5,561	92,694	60	150	502	6300	280	0.2	0.5	1.5
		182						145	83	122					200	300	285	1400	145	0.25	0.8	2
-500	129	189	35-65	35-56	122	35	42	M12	81	118	2	4470	9,307	194,726	80	200	690	7790	100	0.2	0.5	1.5
		200						145	92	130					250	500	320	970	85	0.25	1	2

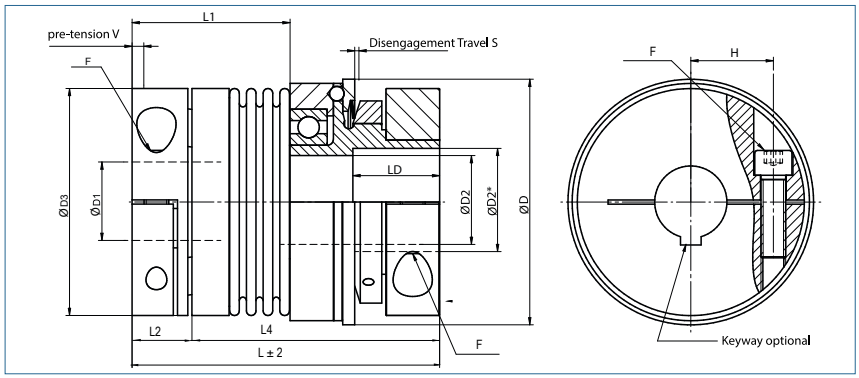
Material	bellows – stainless steel hub - aluminium
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Safety Coupling

axial pluggable, with collet clamp

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BKPK-60 - 121 - 16H7 - 14H7 - 20Nm - C or **D - 1**

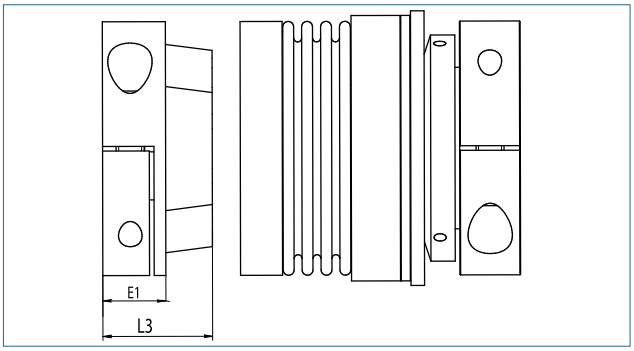
Type	Size	Length	ØD1 (H7)	ØD2 (H7)	Disengagement Torque	Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)									Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)						1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-2	29	52	3-14	3-8	25	9	M3	27	0.7	13200	0,07	0,068	0.2 - 1.5	0.5 - 2	1.5	67	12	0.15	0.3	1.5
		58	10#				2	33							1.3	21	11	0.20	0.4	1.5
		62						37							1.0	11	9	0.25	0.5	2
-4.5	36	64	6-16	6-13	32.5	12	M4	34	0.7	12300	0,15	0,22	1 - 3	3 - 6	6.5	168	32	0.1	0.3	1.5
		72	11#	9#			3.5	43							4.2	41	20	0.2	0.5	2
-7	49	73	6-25	6-16	40	15.5	M4	42	0.7	11690	0,31	0,866	1 - 4	3 - 7	8.1	120	27	0.15	0.4	1.5
		83	18#	11#			5.1	51							6.8	29	17	0.3	0.6	2
-10	49	73	6-25	6-16	40	15.5	M4	42	0.7	11690	0,31	0,866	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		83	18#	11#			5.1	51							6.8	29	17	0.3	0.6	2
-30	64	91	10-30	10-20	56	20	M6	47	1.2	9540	0,75	3,59	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		100	22#	14#			15	55							28	225	28	0.25	1	2
-60	79	111	12-35	12-28	66	23	M8	56	1.2	8180	1,21	8,65	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		121	27#	21#			40	66							50	340	50	0.25	1	2

Bore	> Ø D2 and ≤ D2* only over LD
Material	bellows – stainless steel collet clamp - aluminium plug hub- aluminium
Keyway	optional acc. DIN 6885
	biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

	Dimensions (mm)			
	E1	L2	L3	V
KBK/BKPK 2	10	11	16	0,5
KBK/BKPK 4,5	12	13	20	0,5
KBK/BKPK 7	12	13	21	0.5-1,0
KBK/BKPK 10	12	13	21	0,5-1.0
KBK/BKPK 30	17	19	31	0.5-1.0
KBK/BKPK 60	21	23	35	0.5-1.5



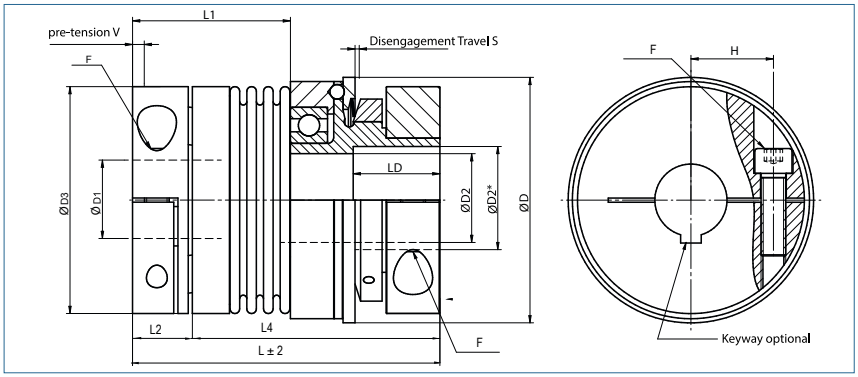
Size	2	4.5	7	10	30	60
D2*	11	X	20	20	26	31
LD	15	X	20	20	28	38

Safety Coupling

axial pluggable, with collet clamp

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BKPK-80 - 117 - 12H7 - 20H7 - 25Nm - C or **D - 1**

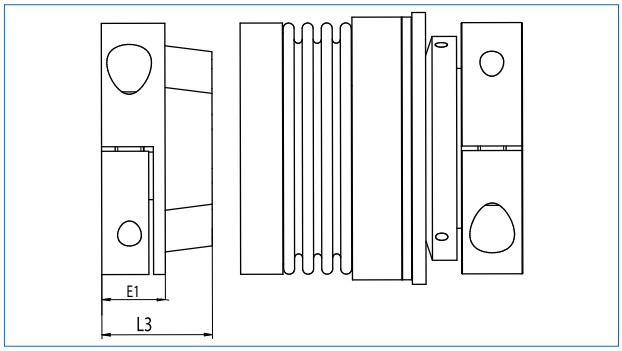
Type	Size	Length	ØD1 (H7)	ØD2 (H7)	Disengagement Torque		Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)									Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)						1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-80	94	117	12-44	14-35	82	28	M10	61,5	2	6220	2,44	26,5	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		129	36#	27#			72	72,5							75	400	50	0.25	0.8	2
-150	94	117	14-44	14-35	82	28	M10	61,5	2	6220	2,44	26,5	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		129	36#	27#			84	72,5							105	595	85	0.25	0.8	2
-200	109	129	16-48	22-41	90	31	M12	67	2	5720	3,44	48,6	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		142	39#	33#			125	79							116	460	82	0.25	0.8	2
-300	119	149	20-60	30-50	110	39	M12	76	2	5200	4,79	91,6	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		159	50#	41#			145	87							285	1400	145	0.25	0.8	2
-500	129	182	25-70	35-56	122	42	M12	94	2	4470	7,65	178,8	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		194	58#	46#			145	105							320	970	85	0.25	1	2

Bore	> Ø D2 and ≤ D2* only over LD
Material	bellows – stainless steel collet clamp - aluminium plug hub- aluminium
Keyway	optional acc. DIN 6885
	biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

	Dimensions (mm)			
	E1	L2	L3	V
KBK/KBPK 80	21,5	23.5	37.5	0.5-1.5
KBK/KBPK 150	21,5	23.5	37.5	0.5-1.5
KBK/KBPK 200	24	26	42	0.5-1.5
KBK/KBPK 300	27	29	47	0.5-1.5
KBK/KBPK 500	42	44	66	0.5-2.0



Size	80	150	200	300	500
D2*	38	38	X	57	62
LD	34	34	X	42	56

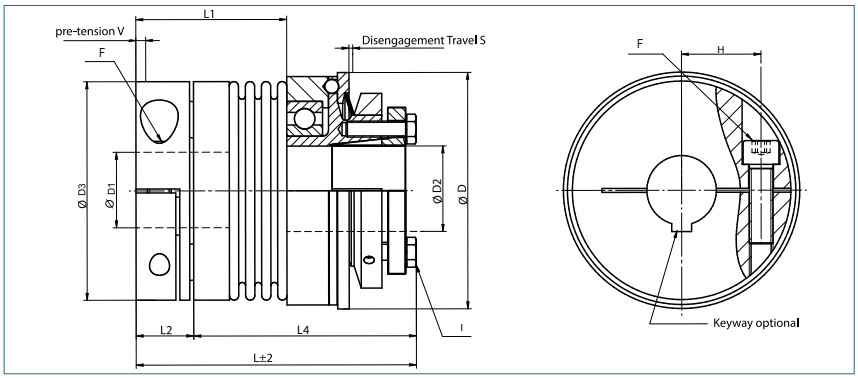
KBK|BKPI -10 ~ 500

Safety Coupling

axial pluggable, with inner cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



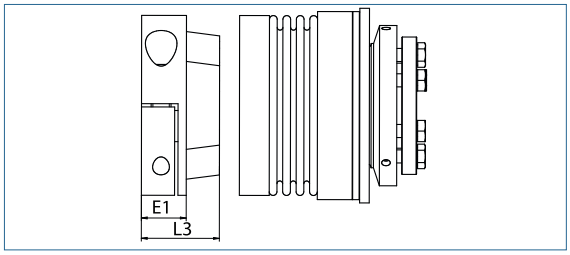
Order Code

KBK/BKPI-60 - 105 - 16H7 - 14H7 - 20Nm - C or **D - 1**

Type	Size	Length	ØD1 (H7)	ØD2 (H7)	Disengagement Torque		Torque Range
						C = Single Position	D = Multi Position Engagement

Size	Dimensions (mm)										Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Hub Ø		Screw ISO4762 TA (Nm)		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	73	6-25	6-14	40	15.5	M4	42	M3	0.7	11690	0,30	0,83	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		83	18#	10#			4,5	52	2.1							6.8	29	17	0.3	0.6	2
-30	64	84	10-30	12-20	56	20	M6	47	M5	1.2	9540	0,67	3,21	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		93	22#	14#			15	55	6							28	225	28	0.25	1	2
-60	79	96	12-35	15-25	66	23	M8	56	M6	1.2	8180	1,15	7,90	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		106	27#	18#			40	66	8.5							50	340	50	0.25	1	2
-80	94	110	14-44	20-35	82	28	M10	62	M6	2	6220	1,89	20,61	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		122	36#	27#			72	73	14							75	400	50	0.25	0.8	2
-150	94	110	19-44	20-35	82	28	M10	62	M6	2	6220	1,89	20,61	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		122	36#	27#			84	73	14							105	595	85	0.25	0.8	2
-200	109	117	22-48	20-40	90	31	M12	67	M6	2	5720	2,54	26,63	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		126	39#	32#			125	79	14							116	460	82	0.25	0.8	2
-300	119	140	20-60	25-45	110	39	M12	76	M8	2	5200	3,84	69,77	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		150	50#	37#			145	87	18							285	1400	145	0.25	0.8	2
-500	129	164	25-70	35-55	122	42	M12	94	M8	2	4470	5,13	118,22	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		175	58#	45#			145	105	26							320	970	85	0.25	1	2

Material	bellows – stainless steel inner cone - steel plug hub- aluminium
Keyway	optional acc. DIN 6885
	biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C



	Dimensions (mm)			
	E1	L2	L3	V
KBK/BKPI 10	12	13	21	0.5-1.0
KBK/BKPI 30	17	19	31	0.5-1.0
KBK/BKPI 60	21	23	35	0.5-1.5
KBK/BKPI 80	21.5	23.5	37.5	0.5-1.5
KBK/BKPI 150	21.5	23.5	37.5	0.5-1.5
KBK/BKPI 200	24	26	42	0.5-1.5
KBK/BKPI 300	27	29	47	0.5-1.5
KBK/BKPI 500	42	44	66	0.5-2.0

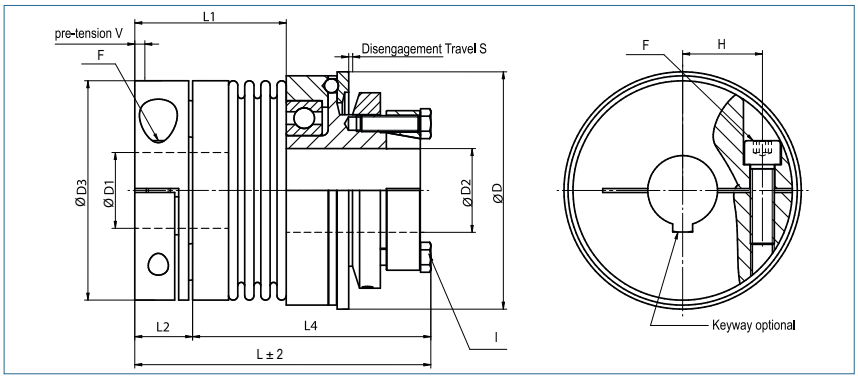
KBK|BKPA -10 ~ 500

Safety Coupling

axial pluggable, with outer cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



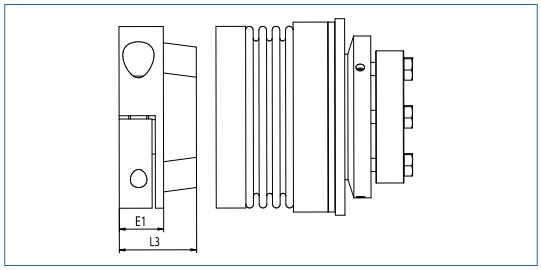
Order Code KBK/BKPA-60 - 104 - 20H7 - 25H7 - 20Nm - C or D - 1

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)										Technical Data									
	ØD	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max	Narben-durch-messer		Screw ISO4762 TA (Nm)		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	75	6-25	5-12	40	15.5	M4	42	M3	0.7	11690	0,32	0,85	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		85	18#	8#			5.1	51	2.1							6.8	29	17	0.3	0.6	2
-30	64	88	10-30	12-20	56	20	M6	47	M5	1.2	9540	0,72	3,38	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		97	22#	14#			15	55	5.9							28	225	28	0.25	1	2
-60	79	104	12-35	15-30	66	23	M8	56	M5	1.2	8180	1,22	8,79	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		114	27#	22#			40	66	8.7							50	340	50	0.25	1	2
-80	94	119	14-44	20-35	82	28	M10	62	M6	2	6220	2,11	22,71	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		130	36#	27#			72	73	15							75	400	50	0.25	0.8	2
-150	94	119	19-44	20-35	82	28	M10	62	M6	2	6220	2,11	22,71	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		130	36#	27#			84	73	15							105	595	85	0.25	0.8	2
-200	109	126	22-48	20-42	90	31	M12	67	M6	2	5720	2,8	39,44	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		139	39#	34#			125	79	15							116	460	82	0.25	0.8	2
-300	119	149	20-60	25-50	110	39	M12	76	M8	2	5200	3,8	70,27	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		159	50#	41#			145	87	25							285	1400	145	0.25	0.8	2
-500	129	178	25-70	35-55	122	42	M12	94	M8	2	4470	5,85	130,63	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		189	58#	45#			145	105	36							320	970	85	0.25	1	2

Material	outer cone -steel bellows – stainless steel plug hub- aluminium
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C



	Dimensions (mm)			
	E1	L2	L3	V
KBK/KBPA 10	12	13	21	0.5-1.0
KBK/KBPA 30	17	19	31	0.5-1.0
KBK/KBPA 60	21	23	35	0.5-1.5
KBK/KBPA 80	21.5	23.5	37.5	0.5-1.5
KBK/KBPA 150	21.5	23.5	37.5	0.5-1.5
KBK/KBPA 200	24	26	42	0.5-1.5
KBK/KBPA 300	27	29	47	0.5-1.5
KBK/KBPA 500	42	44	66	0.5-2.0

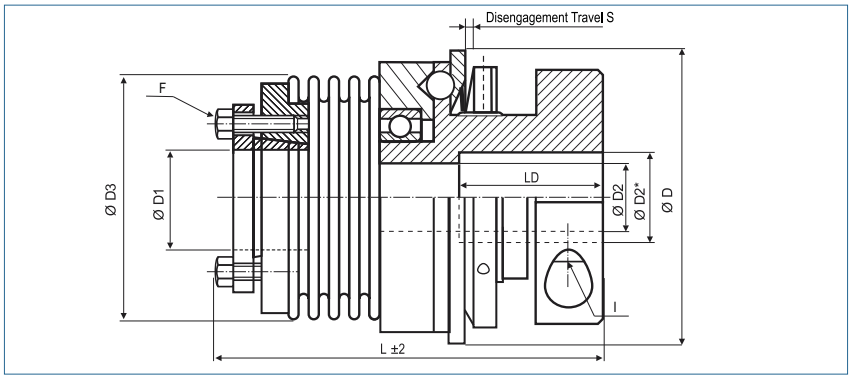
KBK|BIK -10 ~ 500

Safety Coupling

with inner cone and collet clamp

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BIK - 60 - 107 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type	Size	Length	ØD1 (H7)	ØD2 (H7)	Disengagement Torque		Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)								Technical Data									
	ØD	L	ØD1	ØD2	ØD3	F	I	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)	Screw ISO4762 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	68	6-14	6-16	40.5	M3	M4	0.7	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		78	10#	11#		2.1	5.1							6.8	29	17	0.3	0.6	2
-30	64	79	12-20	10-20	56	M5	M6	1.2	9540	0.81	3.3	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		88	14#	14#		6	15							28	225	28	0.25	1	2
-60	79	97	15-25	12-28	66	M6	M8	1.2	8180	1.48	9	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		107	18#	21#		8.5	36							50	340	50	0.25	1	2
-80	94	107	20-35	14-35	82	M6	M10	2	6220	3.2	28	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		119	27#	27#		14	72							75	400	50	0.25	0.8	2
-150	94	107	20-35	14-35	82	M6	M10	2	6220	3.2	28	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		119	27#	27#		14	72							105	595	85	0.25	0.8	2
-200	109	114	20-40	22-41	90	M6	M12	2	5720	3.9	46	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		127	32#	33#		14	125							116	460	82	0.25	0.8	2
-300	119	133	25-50	30-50	110	M8	M12	2	5200	6.1	92	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		143	41#	41#		18	125							285	1400	145	0.25	0.8	2
-500	129	147	35-55	35-56	122	M8	M12	2	4470	8.4	150	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		158	45#	46#		26	125							320	970	85	0.25	1	2

Bores	> Ø D2 and ≤ D2* only over LD
Material	bellows – stainless steel inner cone - steel collet clamp - aluminium; from Size 80 - steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Size	2	45	7	10	30	60	80	150	200	300	500
D2*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

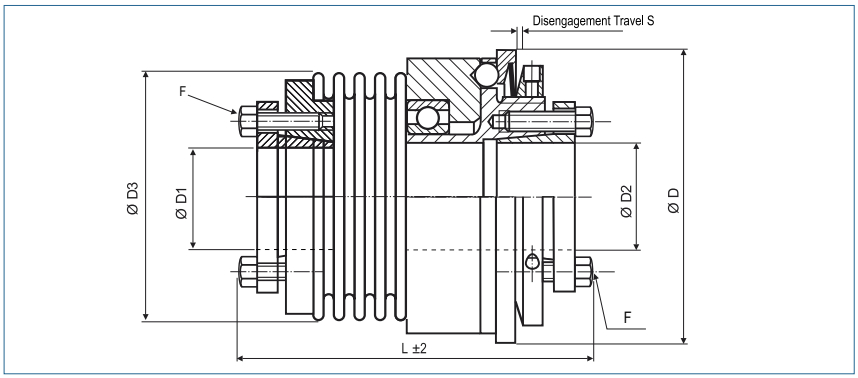
KBK|BII -10 ~ 1400

Safety Coupling

with two inner cones

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BII - 60 - 100 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)							Technical Data									
	ØD	L	ØD1	ØD2	ØD3	F	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	68	6-14	6-14	40.5	M3	0.7	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		78	10#	10#		2.1							6.8	29	17	0.3	0.6	2
-30	64	85	12-20	12-20	56	M5	1.2	9540	0.76	3.1	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		94	14#	14#		6							28	225	28	0.25	1	2
-60	79	100	15-25	15-25	66	M6	1.2	8180	1.44	8.8	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		110	18#	18#		8.5							50	340	50	0.25	1	2
-80	94	115	20-35	20-35	82	M6	2	6220	2.5	22	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		128	27#	27#		14							75	400	50	0.25	0.8	2
-150	94	115	20-35	20-35	82	M6	2	6220	2.5	22	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		128	27#	27#		14							105	595	85	0.25	0.8	2
-200	109	125	20-40	20-40	90	M6	2	5720	2.88	34	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		135	32#	32#		14							116	460	82	0.25	0.8	2
-300	119	135	25-50	25-45	110	M8	2	5200	5.0	75	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		145	41#	37#		18							285	1400	145	0.25	0.8	2
-500	129	150	35-55	35-55	122	M8	2	4470	6.73	120	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		162	45#	45#		26							320	970	85	0.25	1	2
-800	169	235	50-70	50-70	157	M16	2	3350	17.8	518	240 - 600	500 - 800	700	500	185	0.2	0.8	1.8
			58#	58#		45												
-1400	169	235	50-70	50-70	157	M16	2	3350	18.0	523	360 - 1000	900 - 1400	1270	700	275	0.2	0.8	1.8
			58#	58#		80												

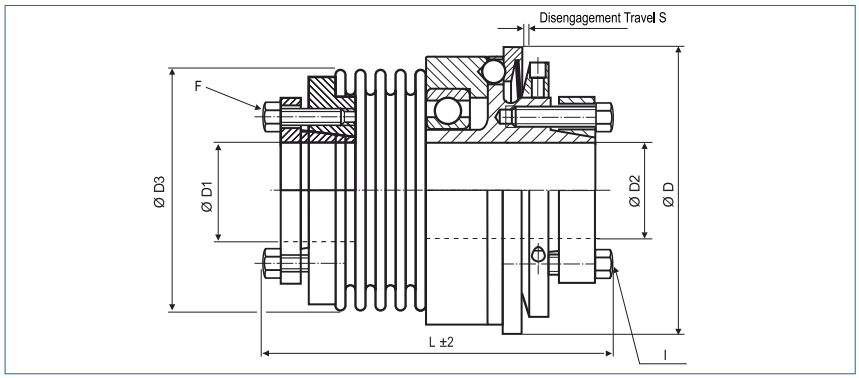
Material	bellows – stainless steel inner cone - steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Safety Coupling

with inner cone and outer cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BIA - 60 - 100 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)								Technical Data										
	ØD	L	ØD1	ØD2	ØD3	F	S	l	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)		Screw ISO4017 TA (Nm)				1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	69	6-14	5-14	40.5	M3	0.7	M3	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		79	10#	10#		2.1		2.1						6.8	29	17	0.3	0.6	2
-30	64	74	12-20	12-20	56	M5	1.2	M5	9540	0.75	3.1	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		83	14#	14#		6		5.9						28	225	28	0.25	1	2
-60	79	89	15-25	15-30	66	M6	1.2	M5	8180	1.43	8.8	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		100	18#	22#		8.5		8.7						50	340	50	0.25	1	2
-80	94	108	20-35	20-35	82	M6	2	M6	6220	2.5	22	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		120	27#	27#		14		15						75	400	50	0.25	0.8	2
-150	94	108	20-35	20-35	82	M6	2	M6	6220	2.5	22	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		120	27#	27#		14		15						105	595	85	0.25	0.8	2
-200	109	110	20-40	20-42	90	M6	2	M6	5720	2.9	34	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		123	32#	34#		14		15						116	460	82	0.25	0.8	2
-300	119	132	25-50	25-50	110	M8	2	M8	5200	4.9	73	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		143	41#	41#		18		25						285	1400	145	0.25	0.8	2
-500	129	149	35-55	35-55	122	M8	2	M8	4470	6.8	120	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		160	45#	45#		26		36						320	970	85	0.25	1	2
-800	169	243	50-70	50-70	157	M16	2	M12	3350	18	516	240 - 600	500 - 800	700	500	185	0.2	0.8	1.8
			58#	58#		45		85											
-1400	169	243	50-70	50-70	157	M16	2	M12	3350	18	520	360 - 1000	900 - 1400	1270	700	275	0.2	0.8	1.8
			58#	58#		80		115											

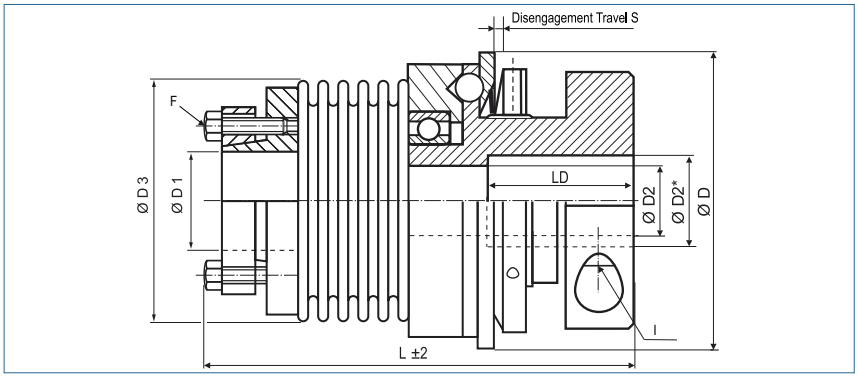
Material	outer cone - steel bellows – stainless steel inner cone - steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Safety Coupling

with outer cone and collet clamp

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BAK - 60 - 115 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)								Technical Data										
	ØD	L	ØD1	ØD2	ØD3	F	S	l	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)		Screw ISO4762 TA (Nm)				1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	65	5-14	6-16	40.5	M3	0.7	M4	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		74	10#	11#		2.1		5.1						6.8	29	17	0.3	0.6	2
-30	64	82	12-20	10-20	56	M5	1.2	M6	9540	0.80	3.3	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		92	14#	14#		5.9		15						28	225	28	0.25	1	2
-60	79	104	15-32	12-28	66	M5	1.2	M8	8180	1.46	8.9	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		115	24#	21#		8.7		36						50	340	50	0.25	1	2
-80	94	115	20-35	14-35	82	M6	2	M10	6220	3.3	29	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		127	37#	37#		15		72						75	400	50	0.25	0.8	2
-150	94	115	20-35	14-35	82	M6	2	M10	6220	3.3	29	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		127	37#	37#		15		72						105	595	85	0.25	0.8	2
-200	109	122	20-42	22-41	90	M6	2	M12	5720	3.9	46	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		135	34#	33#		15		125						116	460	82	0.25	0.8	2
-300	119	141	25-50	30-50	110	M8	2	M12	5200	5.9	88	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		152	41#	41#		25		125						285	1400	145	0.25	0.8	2
-500	129	163	35-55	35-56	122	M8	2	M12	4470	8.5	151	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		175	45#	46#		36		125						320	970	85	0.25	1	2

Bores	> Ø D2 and ≤ D2* only over LD
Material	outer cone - steel bellows – stainless steel collet clamp - aluminium; from size 80 steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

Size	2	45	7	10	30	60	80	150	200	300	500
D2*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

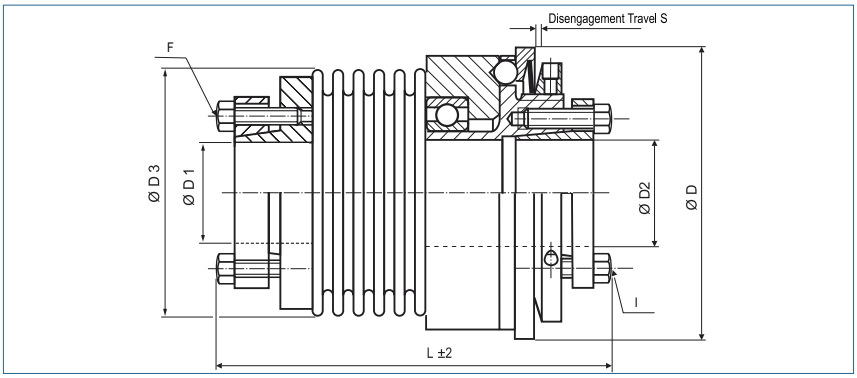
KBK|BAI -10 ~ 1400

Safety Coupling

with outer cone and inner cone

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BAI - 60 - 100 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)								Technical Data									
	ØD	L	ØD1	ØD2	ØD3	F	S	l	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)		Screw ISO4017 TA (Nm)				1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	65	5-14	6-14	40.5	M3	0.7	M3	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		74	10#	10#		2.1		2.1						6.8	29	17	0.3	0.6	2
-30	64	75	12-20	12-20	56	M5	1.2	M5	9540	0.75	3.1	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		84	14#	14#		5.9		6						28	225	28	0.25	1	2
-60	79	89	15-32	15-25	66	M5	1.2	M6	8180	1.42	8.7	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		100	24#	18#		8.7		8.5						50	340	50	0.25	1	2
-80	94	108	20-35	20-35	82	M6	2	M6	6220	2.6	23	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		120	27#	27#		15		14						75	400	50	0.25	0.8	2
-150	94	108	20-35	20-35	82	M6	2	M6	6220	2.6	23	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		120	27#	27#		15		14						105	595	85	0.25	0.8	2
-200	109	110	20-42	20-40	90	M6	2	M6	5720	2.9	34	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		123	34#	32#		15		14						116	460	82	0.25	0.8	2
-300	119	133	25-50	25-45	110	M8	2	M8	5200	4.8	72	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		143	41#	37#		25		18						285	1400	145	0.25	0.8	2
-500	129	145	35-55	35-55	122	M8	2	M8	4470	6.8	121	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		157	45#	45#		36		26						320	970	85	0.25	1	2
-800	169	242	50-70	50-70	157	M12	2	M16	3350	17.8	515	240 - 600	500 - 800	700	500	185	0.2	0.8	1.8
			58#	58#		85		45											
-1400	169	242	50-70	50-70	157	M12	2	M16	3350	17.9	519	360 - 1000	900 - 1400	1270	700	275	0.2	0.8	1.8
			58#	58#		115		80											

Material	outer cone: steel bellows – stainless steel inner cone: steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C

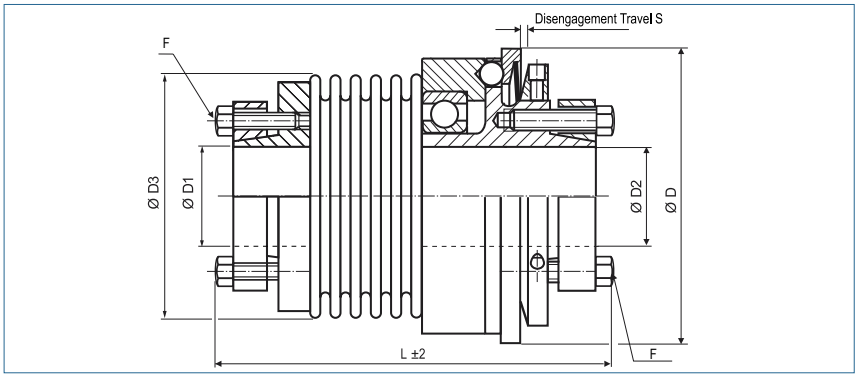
KBK|BAA -10 ~ 1400

Safety Coupling

with two outer cones

optional nickel-plated version
optional full stainless steel version

optional laserwelded



Order Code

KBK/BAA - 60 - 108 - 15H7 - 18H7 - 20Nm - C or **D - 2**

Type | Size | Length | ØD1 (H7) | ØD2 (H7) | Disengagement Torque | Torque Range

C = Single Position D = Multi Position Engagement

Size	Dimensions (mm)							Technical Data									
	ØD	L	ØD1	ØD2	ØD3	F	S	max. speed (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque Range		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw ISO4017 TA (Nm)					1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial Δ Kr (mm)	axial Δ Ka (mm)	angular Δ Kw (°)
-10	49	66	5-14	5-14	40.5	M3	0.7	11650	0.27	0.6	3 - 7	5 - 10	8.1	120	27	0.15	0.4	1.5
		75	10#	10#		2.1							6.8	29	17	0.3	0.6	2
-30	64	78	12-20	12-20	56	M5	1.2	9540	0.74	3.0	5 - 15	10 - 30	38	720	50	0.15	0.6	1.5
		87	14#	14#		5.9							28	225	28	0.25	1	2
-60	79	97	15-32	15-30	66	M5	1.2	8180	1.41	8.6	12 - 35	20 - 60	75	1150	90	0.15	0.6	1.5
		108	24#	22#		8.7							50	340	50	0.25	1	2
-80	94	116	20-35	20-35	82	M6	2	6220	2.6	23	15 - 40	30 - 80	128	1200	80	0.2	0.5	1.5
		129	27#	27#		15							75	400	50	0.25	0.8	2
-150	94	116	20-35	20-35	82	M6	2	6220	2.6	23	50 - 130	65 - 150	155	2020	145	0.2	0.5	1.5
		129	27#	27#		15							105	595	85	0.25	0.8	2
-200	109	118	20-42	20-42	90	M6	2	5720	2.9	35	30 - 90	80 - 200	175	2500	147	0.2	0.5	1.5
		132	34#	34#		15							116	460	82	0.25	0.8	2
-300	119	141	25-50	25-50	110	M8	2	5200	4.6	70	60 - 200	150 - 300	502	6300	280	0.2	0.5	1.5
		152	41#	41#		25							285	1400	145	0.25	0.8	2
-500	129	159	35-55	35-55	122	M8	2	4470	6.8	121	80 - 250	200 - 500	690	7790	100	0.2	0.5	1.5
		171	45#	45#		36							320	970	85	0.25	1	2
-800	169	250	50-70	50-70	157	M12	2	3350	17.7	514	240 - 600	500 - 800	700	500	185	0.2	0.8	1.8
			58#	58#		85												
-1400	169	250	50-70	50-70	157	M12	2	3350	17.8	516	360 - 1000	900 - 1400	1270	700	275	0.2	0.8	1.8
			58#	58#		115												

Material	outer cone - steel bellows – stainless steel
Keyway	optional acc. DIN 6885 biggest bore marked with a #
Temperature Range	-30 °C ~ 120 °C