

Safety Couplings Torque Limiters



KBK Antriebstechnik GmbH



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to mount Pulleys

Safety Couplings with ball bearings

KBK/L(LL)P10~1400

with Keyway



KBK/L(LL)K2~500

with Collet Clamp



KBK/L(LL)I10~1400

with Inner Cone



KBK/L(LL)A10~1400

with Outer Cone



Safety Couplings with bush bearings

KBK/CP10~500

with Keyway



KBK/CK2~500

with Collet Clamp



KBK/CI10~500

with Inner Cone



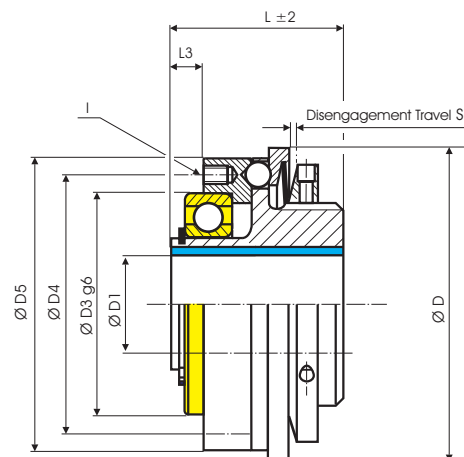
KBK/CA10~500

with Outer Cone



Safety Coupling

with Keyway



Order Code: KBK/L - P - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

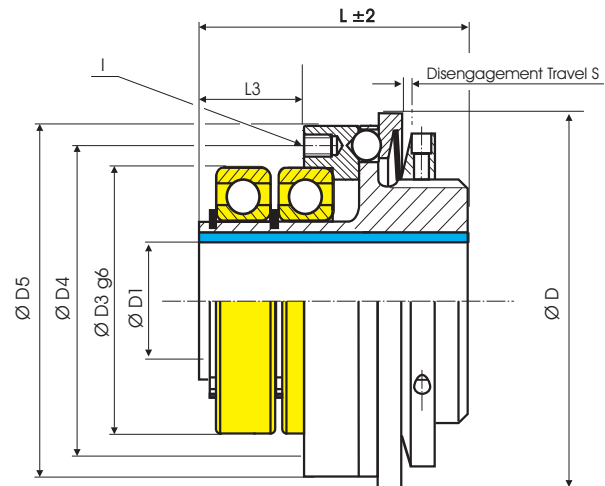
D = Multi Position Engagement

KBK/L-P-x	Dimensions (mm)									Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	1 TKN (Nm)	2 TKN (Nm)			
-10	49	6-12	37	42	47	26	5	0.7	M3	3-7	5-10	12000	0.15	0.4
-30	64	10-16	47	53	60	31.5	6	1.2	M4	5-15	10-30	9400	0.45	1.9
-60	79	15-24	62	69	75	45	8	1.2	M5	13-35	20-65	7800	0.83	5.1
-80	94	19-29	68	80	90	46	10	2	M6	15-40	30-80	6400	1.4	12
-150	94	19-29	68	80	90	46	10	2	M6	50-130	65-150	5500	1.4	12
-200	109	20-38	80	90	105	52	10	2	M6	30-90	80-200	5500	1.64	19
-300	119	20-42	90	102	115	58	10	2	M8	60-200	100-300	5000	2.5	38
-500	129	20-50	100	112	125	57	10	2	M8	80-250	200-500	4500	3.8	68
-800	169	30-60	110	125	165	80	15	2	M12	260-600	500-900	3500	11	318
-1400	169	30-60	110	125	165	80	15	2	M12	450-900	800-1400	3500	11	318

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Keyway



Order Code: KBK/LL - P - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

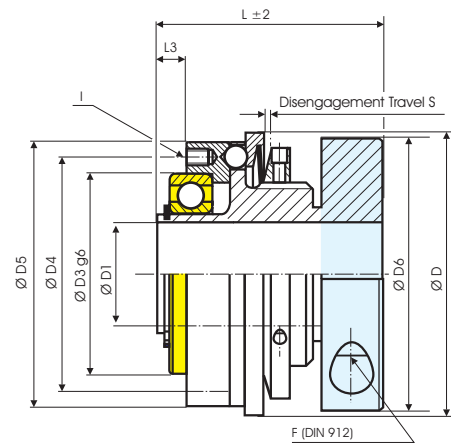
Single Position = C → D = Multi Position Engagement

KBK/LL-P-x	Dimensions (mm)									Technical Ratings				
	$\varnothing D$	$\varnothing D1$	$\varnothing D3$	$\varnothing D4$	$\varnothing D5$	L	L3	S	I	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer $\varnothing$	Bore Size (H7) min ~ max				Length			6 x	1 TKN (Nm)	2 TKN (Nm)			
-10	49	6-12	37	42	47	36	15	0.7	M3	3-7	5-10	12000	0.18	0.4
-30	64	10-16	47	53	60	48.5	20	1.2	M4	5-15	10-30	9400	0.53	2.2
-60	79	15-24	62	69	75	62	26	1.2	M5	13-35	20-65	7800	0.98	6.0
-80	94	19-29	68	80	90	62	27	2	M6	15-40	30-80	6400	1.7	14
-150	94	19-29	68	80	90	62	27	2	M6	50-130	65-150	5500	1.7	14
-200	109	20-38	80	90	105	71	28	2	M6	30-90	80-200	5500	1.9	23
-300	119	20-42	90	102	115	78	31	2	M8	60-200	100-300	5000	3.0	44
-500	129	20-50	100	112	125	77	31	2	M8	80-250	200-500	4500	4.5	80
-800	169	30-60	110	125	165	103	38	2	M12	260-600	500-900	3500	13	376
-1400	169	30-60	110	125	165	103	38	2	M12	450-900	800-1400	3500	13	376

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp



Order Code: KBK/L - K - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

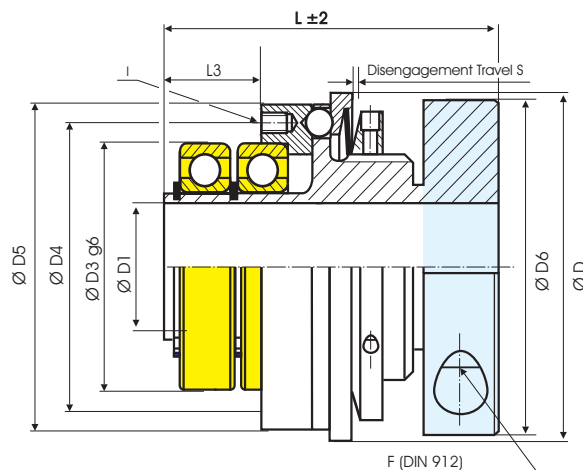
KBK/L-x	Dimensions (mm)											Technical Ratings				
	$\varnothing D$	$\varnothing D1$	$\varnothing D3$	$\varnothing D4$	$\varnothing D5$	$\varnothing D6$	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer $\varnothing$	Bore Size (H7) min ~ max								6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)			
-2	29	3-11	19	21	25	25	28	3	0.7	M2	M3 2	0.2-1.5	0.5-2	13200	0.06	0.05
-4.5	42	6-13	26	28	32	32	30	4	0.7	M2	M4 3.5	1-3	3-6	12300	0.11	0.20
-7	49	6-20	37	42	47	47	36	5	0.7	M3	M4 4.5	1-4	3-7	12000	0.18	0.4
-10	49	6-20	37	42	47	47	36	5	0.7	M3	M4 5.1	3-7	5-10	12000	0.18	0.4
-30	64	10-26	47	53	60	60	50.5	6	1.2	M4	M6 15	5-15	10-30	9400	0.59	2.4
-60	79	12-31	62	69	75	75	73	8	1.2	M5	M8 36	13-35	20-65	7800	1.05	6.4
-80	94	14-38	68	80	90	90	67	10	2	M6	M10 72	15-40	30-80	6400	2.4	21
-150	94	14-38	68	80	90	90	67	10	2	M6	M10 84	50-130	65-150	5500	2.4	21
-200	109	22-41	80	90	105	105	78	10	2	M6	M12 125	30-90	80-200	5500	2.9	35
-300	119	30-57	90	102	115	115	84	10	2	M8	M12 145	60-200	150-300	5000	4.4	66
-500	129	35-62	100	112	125	125	93	10	2	M8	M12 145	80-250	200-500	4500	6.4	113

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp and 2 Ball Bearings



Order Code: KBK/LL - K - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

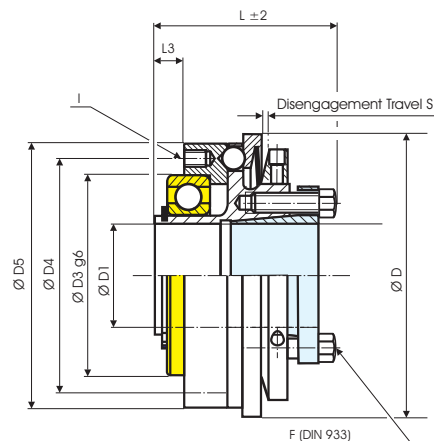
KBK/LL-x	Dimensions (mm)											Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	Ø D6	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Size (H7) min ~ max								6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)			
-2	29	3-11	19	21	25	25	34	7	0.7	M2	M3 2	0.2-1.5	0.5-2	13200	0.07	0.06
-4.5	42	6-13	26	28	32	32	37	9	0.7	M2	M4 3.5	1-3	3-6	12300	0.13	0.22
-7	49	6-20	37	42	47	40	46	15	0.7	M3	M4 4.5	1-4	3-7	12000	0.21	0.5
-10	49	6-20	37	42	47	40	46	15	0.7	M3	M4 5.1	3-7	5-10	12000	0.21	0.5
-30	64	10-26	47	53	60	56	67.5	20	1.2	M4	M6 15	5-15	10-30	9400	0.67	2.8
-60	79	12-31	62	69	75	66	90	26	1.2	M5	M8 36	13-35	20-65	7800	1.2	7.3
-80	94	14-38	68	80	90	82	83	27	2	M6	M10 72	15-40	30-80	6400	2.7	23
-150	94	14-38	68	80	90	82	83	27	2	M6	M10 84	50-130	65-150	5500	2.7	23
-200	109	22-41	80	90	105	90	97	28	2	M6	M12 125	30-90	80-200	5500	3.3	39
-300	119	30-57	90	102	115	110	104	31	2	M8	M12 145	60-200	150-300	5000	4.9	73
-500	129	35-62	100	112	125	122	113	31	2	M8	M12 145	80-250	200-500	4500	7.0	125

☉ Keyway acc. DIN 6885 optional

☉ Temperature Range: -30°C ~ 120°C

Safety Couplings

with Inner Cone



Order Code: KBK/L - I - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

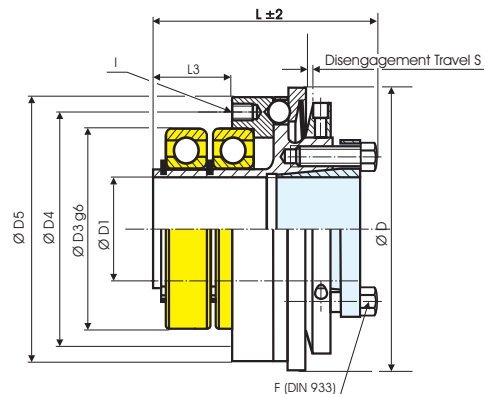
KBK/L-I-X	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm ²)
-10	49	6-14	37	42	47	36	5	0.7	M3	M3 4	3-7	5-10	12000	0.18	0.4
-30	64	12-20	47	53	60	43	6	1.2	M4	M5 6	5-15	10-30	9400	0.54	2.2
-60	79	15-25	62	69	75	58	8	1.2	M5	M6 8.5	13-35	20-65	7800	1.01	6.2
-80	94	20-35	68	80	90	60	10	2	M6	M6 14	15-40	30-80	6400	1.72	15
-150	94	20-35	68	80	90	60	10	2	M6	M6 14	50-130	65-150	5500	1.72	15
-200	109	20-40	80	90	105	66	10	2	M6	M6 14	30-90	80-200	5500	2	24
-300	119	25-50	90	102	115	75	10	2	M8	M8 20	60-200	150-300	5000	3.3	49
-500	129	35-55	100	112	125	75	10	2	M8	M8 26	80-250	200-500	4500	4.7	83
-800	169	50-70	110	125	165	110	15	2	M12	M16 45	260-600	500-900	3500	13.1	380
-1400	169	50-70	110	125	165	110	15	2	M12	M16 80	450-900	800-1400	3500	13.2	385

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Inner Cone and 2 ball bearings



Order Code: KBK/LL - I - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1(H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

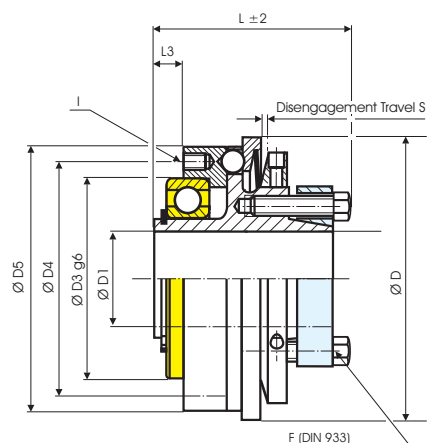
KBK/LL-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm ²)
-10	49	6-14	37	42	47	46	15	0.7	M3	M3 4	3-7	5-10	12000	0.21	0.5
-30	64	12-20	47	53	60	60	20	1.2	M4	M5 6	5-15	10-30	9400	0.62	2.6
-60	79	15-25	62	69	75	75	26	1.2	M5	M6 8.5	13-35	20-65	7800	1.16	7.1
-80	94	20-35	68	80	90	76	27	2	M6	M6 14	15-40	30-80	6400	1.97	17
-150	94	20-35	68	80	90	76	27	2	M6	M6 14	50-130	65-150	5500	1.97	17
-200	109	20-40	80	90	105	85	28	2	M6	M6 14	30-90	80-200	5500	2.30	27
-300	119	25-50	90	102	115	95	31	2	M8	M8 20	60-200	150-300	5000	3.7	56
-500	129	35-55	100	112	125	95	31	2	M8	M8 26	80-250	200-500	4500	5.3	95
-800	169	50-70	110	125	165	133	38	2	M12	M16 45	260-600	500-900	3500	15	438
-1400	169	50-70	110	125	165	133	38	2	M12	M16 80	450-900	800-1400	3500	15	438

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Outer Cone



Order Code: KBK/L - A - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

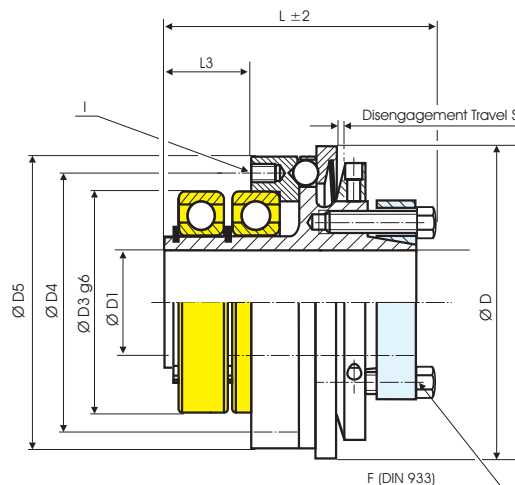
KBK/LA-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm ²)
-10	49	5-14	37	42	47	37.5	5	0.7	M3	M5 5.9	3-7	5-10	12000	0.18	0.4
-30	64	12-20	47	53	60	46	6	1.2	M4	M5 5.9	5-15	10-30	9400	0.54	2.2
-60	79	15-32	62	69	75	66	8	1.2	M5	M5 8.7	13-35	20-65	7800	1.01	6.2
-80	94	20-35	68	80	90	68.5	10	2	M6	M6 15	15-40	30-80	6400	1.72	15
-150	94	20-35	68	80	90	68.5	10	2	M6	M6 15	50-130	65-150	5500	1.72	15
-200	109	20-42	80	90	105	74.5	10	2	M6	M6 15	30-90	80-200	5500	2	24
-300	119	25-50	90	102	115	83.5	10	2	M8	M8 25	60-200	150-300	5000	3.3	49
-500	129	35-55	100	112	125	89	10	2	M8	M8 36	80-250	200-500	4500	4.7	83
-800	169	50-70	110	125	165	118	15	2	M12	M12 85	260-600	500-900	3500	13.1	380
-1400	169	50-70	110	125	165	118	15	2	M12	M12 115	450-900	800-1400	3500	13.2	385

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Outer Cone and 2 ball bearings



Order Code: KBK/LL - A - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

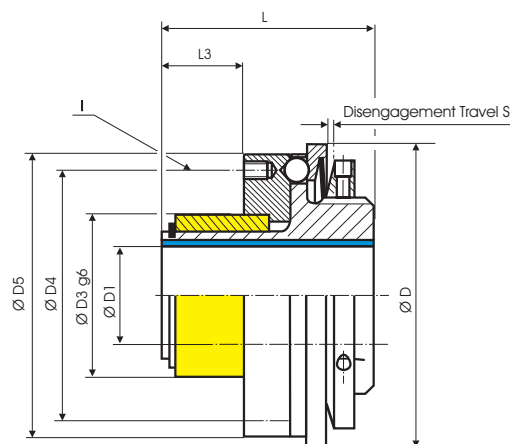
KBK/LLA-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	Screw (DIN 933) T _A (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm ²)
-10	49	5-14	37	42	47	47.5	15	0.7	M3	M5 5.9	3-7	5-10	12000	0.21	0.5
-30	64	12-20	47	53	60	63	20	1.2	M4	M5 5.9	5-15	10-30	9400	0.62	2.6
-60	79	15-32	62	69	75	83	26	1.2	M5	M5 8.7	13-35	20-65	7800	1.16	7.1
-80	94	20-35	68	80	90	84.5	27	2	M6	M6 15	15-40	30-80	6400	1.97	17
-150	94	20-35	68	80	90	84.5	27	2	M6	M6 15	50-130	65-150	5500	1.97	17
-200	109	20-42	80	90	105	93.5	28	2	M6	M6 15	30-90	80-200	5500	2.30	27
-300	119	25-50	90	102	115	103.5	31	2	M8	M8 25	60-200	150-300	5000	3.7	56
-500	129	35-55	100	112	125	109	31	2	M8	M8 36	80-250	200-500	4500	5.3	95
-800	169	50-70	110	125	165	141	38	2	M12	M12 85	260-600	500-900	3500	15	438
-1400	169	50-70	110	125	165	141	38	2	M12	M12 115	450-900	800-1400	3500	15	438

☉ Keyway acc. DIN 6885 optional

☉ Temperature Range: -30°C ~ 120°C

Safety Coupling

with Keyway



Order Code: KBK/CP - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

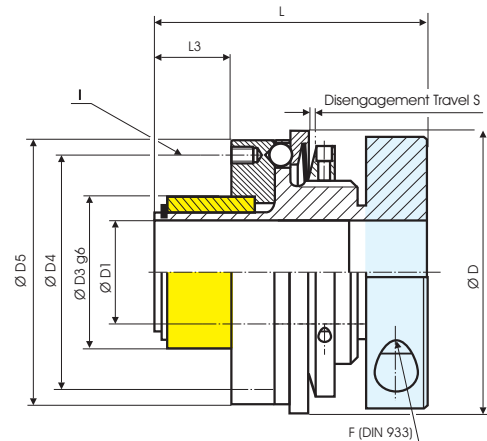
KBK/CP-x	Dimensions (mm)									Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Size (H7) min ~ max							6 x	1 TKN (Nm)	2 TKN (Nm)			
-10	49	6-10	24	30	47	34	8	0.7	M3	3-7	5-10	12000	0.15	0.35
-30	64	12-14	30	46	60	40	9	1.2	M4	5-15	10-30	9400	0.45	1.9
-60	79	15-19	36	50	75	48	16	1.2	M5	13-35	20-65	7800	0.83	5.1
-80	94	20-30	48	65	90	58	22	2	M6	15-40	30-80	6400	1.4	12
-150	94	20-30	48	65	90	58	22	2	M6	50-130	65-150	5500	1.4	12
-200	109	20-33	52	70	105	63	25	2	M6	30-90	80-200	5500	1.64	19
-300	119	30-38	58	76	115	75	31	2	M8	60-200	150-300	5000	2.5	38
-500	129	35-42	66	110	125	94	33	2	M8	80-250	200-500	4500	3.8	68

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp



Order Code: KBK/CK - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

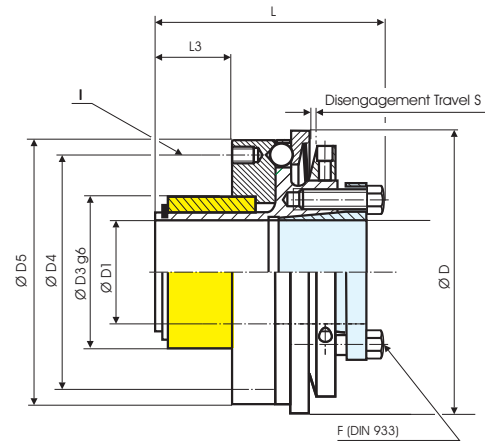
KBK/CK-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Size (H7) min ~ max								6 x	1 TKN (Nm)	2 TKN (Nm)			
-2	29	3-6	14	19	25	35	6	0.7	M2	M3 2	0.2-1.5	0.5-2	13200	0.06	0.05
-4.5	42	6-12	20	26	32	36	7	0.7	M2	M4 3.5	1-3	3-6	12300	0.12	0.20
-7	49	6-14	24	30	47	44	8	0.7	M3	M4 5.1	1-4	3-7	12000	0.18	0.4
-10	49	6-14	24	30	47	44	8	0.7	M3	M4 5.1	3-7	5-10	12000	0.18	0.4
-30	64	12-20	30	46	60	59	9	1.2	M4	M6 15	5-15	10-30	9400	0.59	2.4
-60	79	15-25	36	50	75	76	16	1.2	M5	M8 36	13-35	20-65	7800	1.05	6.4
-80	94	20-35	48	65	90	79	22	2	M6	M10 72	15-40	30-80	6400	2.4	21
-150	94	20-35	48	65	90	79	22	2	M6	M10 72	50-130	65-150	5500	2.4	21
-200	109	20-40	52	70	105	89	25	2	M6	M12 125	30-90	80-200	5500	3.0	35
-300	119	30-46	58	76	115	101	31	2	M8	M12 145	60-200	150-300	5000	4.4	66
-500	129	35-50	66	110	125	130	33	2	M8	M12 145	80-250	200-500	4500	6.4	113

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Inner Cone



Order Code: KBK/CI - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1 (H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

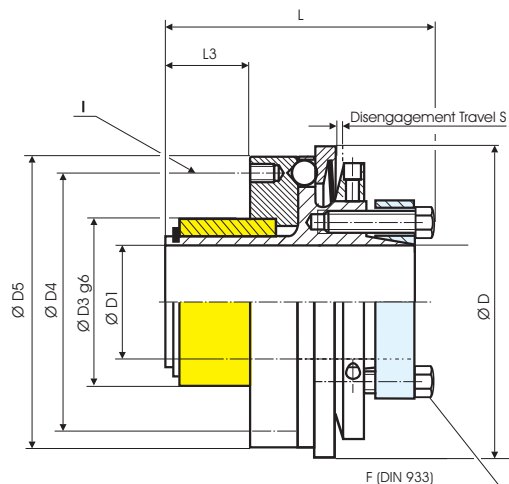
KBK/CI-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Sizes (H7) min ~ max							6 x	Screw (DIN 933) TA (Nm)	1 TKN (Nm)	2 TKN (Nm)			
-10	49	6-14	24	30	47	51	8	0.7	M3	M3 4	3-7	5-10	12000	0.18	0.4
-30	64	12-20	30	46	60	51	9	1.2	M4	M5 6	5-15	10-30	9400	0.54	2.2
-60	79	15-25	36	50	75	61	16	1.2	M5	M6 8.5	13-35	20-65	7800	1	6.2
-80	94	20-35	48	65	90	72	22	2	M6	M6 14	15-40	30-80	6400	1.7	15
-150	94	20-35	48	65	90	72	22	2	M6	M6 14	50-130	65-150	5500	1.7	15
-200	109	20-40	52	70	105	77	25	2	M6	M6 14	30-90	80-200	5500	2	24
-300	119	30-46	58	76	115	92	31	2	M8	M8 20	60-200	150-300	5000	3.3	49
-500	129	35-50	66	110	125	112	33	2	M8	M8 26	80-250	200-500	4500	4.7	83

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Outer Cone



Order Code: KBK/CA - 60 - 20H7 - 20Nm - C oder D - 2

Type - Size

Bore D1(H7)

Disengagement
Torque

Overload
Torque Range

Single Position = C

D = Multi Position Engagement

KBK/CA-x	Dimensions (mm)										Technical Ratings				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	F	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
	Outer Ø	Bore Sizes (H7) min ~ max							6 x	Screw (DIN 933) TA (Nm)	1 TKN (Nm)	2 TKN (Nm)			
-10	49	5-14	24	30	47	46	8	0.7	M3	M5 5.9	3-7	5-10	12000	0.18	0.4
-30	64	12-20	30	46	60	54	9	1.2	M4	M5 5.9	5-15	10-30	9400	0.53	2.2
-60	79	15-25	36	50	75	69	16	1.2	M5	M5 8.7	13-35	20-65	7800	1	6.1
-80	94	20-35	48	65	90	81	22	2	M6	M6 15	15-40	30-80	6400	1.8	16
-150	94	20-35	48	65	90	81	22	2	M6	M6 15	50-130	65-150	5500	1.8	16
-200	109	20-40	52	70	105	86	25	2	M6	M6 15	30-90	80-200	5500	2	24
-300	119	30-46	58	76	115	101	31	2	M8	M8 25	60-200	150-300	5000	3.2	47
-500	129	35-50	66	110	125	126	33	2	M8	M8 36	80-250	200-500	4500	4.7	84

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

to connect shafts

Safety Couplings with Metal Bellows to compensate Misalignment

KBK/BKK 2~500

with 2 Collet Clamps



Page 17

KBK/BKI10~500

with Collet Clamp and Inner Cone



Page 18

KBK/BKA10~500

with Collet Clamp and Outer Cone



Page 19

KBK/BIK10~500

with Inner Cone and Collet Clamp



Page 20

KBK/BII10~1400

with 2 Inner Cones



Page 21

KBK/BIA10~1400

with Inner Cone and Outer Cone



Page 22

KBK/BAK10~500

with Outer Cone and Collet Clamp



Page 23

KBK/BAI10~1400

with Outer Cone and Inner Cone



Page 24

KBK/BAA10~1400

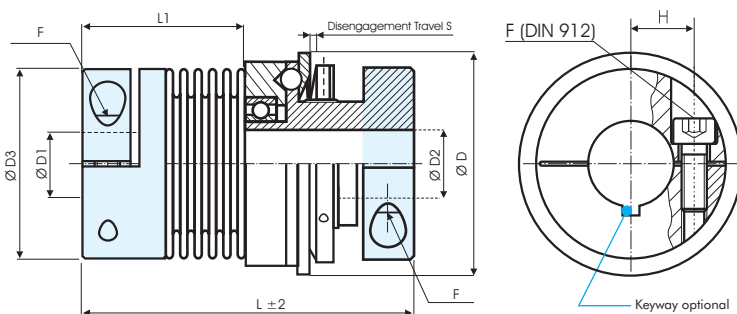
with 2 Outer Cones



Page 25

Safety Coupling

with 2 Collet Clamps



Order Code: KBK/BKK - 60 - 105 - 16H7 - 14H7 - 20Nm - C or D - 1

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BKK-x	Dimensions (mm)									Technical Ratings										
	Ø D	L	Ø D1	Ø D2	Ø D3	H	F	L1	S	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max	Hub- dia- meter		Screw (DIN 912) T _A (Nm)		1 T _{KN} (Nm)				2 T _{KN} (Nm)	torsional x10³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	
-2	29	46 52 56	3 14	3 11	25	9	M3 2	21 27 31	0.7	13200	0.08	0.06	0.2 1.5	0.5 2	1.5 1.3 1.0	67 21 11	12 11 9	0.15 0.20 0.25	0.3 0.4 0.5	1.5 1.5 2
-4.5	42	57 65	6 16	6 13	32.5	12	M4 3.5	27 36	0.7	12300	0.16	0.26	1 3	3 6	6.5 4.2	168 41	32 20	0.1 0.2	0.3 0.5	1.5 2
-7	49	65 75	6 25	6 20	40	15.5	M4 5.1	34 43	0.7	11690	0.25	0.58	1 4	3 7	8.1 6.8	120 29	27 17	0.15 0.3	0.4 0.6	1.5 2
-10	49	65 75	6 25	6 20	40	15.5	M4 5.1	34 43	0.7	11690	0.25	0.6	3 7	5 10	8.1 6.8	120 29	27 17	0.15 0.3	0.4 0.6	1.5 2
-30	64	85 94	10 30	10 26	56	20	M6 15	40.5 48.5	1.2	9540	0.77	3.2	5 15	10 30	38 28	720 225	50 28	0.15 0.25	0.6 1	1.5 2
-60	79	105 115	12 32	12 31	66	23	M8 36	50 60	1.2	8180	1.34	8.2	12 35	20 60	75 50	1150 340	90 50	0.15 0.25	0.6 1	1.5 2
-80	94	113 125	14 42	14 38	82	28	M10 72	57.5 68.5	2	6220	3.52	31	15 40	30 80	128 75	1200 400	80 50	0.2 0.25	0.5 0.8	1.5 2
-150	94	113 125	19 42	14 38	82	28	M10 72	57.5 68.5	2	6220	3.52	31	50 130	65 150	155 105	2020 595	145 85	0.2 0.25	0.5 0.8	1.5 2
-200	109	125 138	22 45	22 45	90	31	M12 125	63 75	2	5720	4.45	53	30 90	80 200	175 116	2500 460	147 82	0.2 0.25	0.5 0.8	1.5 2
-300	119	140 150	30 60	30 57	110	39	M12 125	67 78	2	5200	6.47	97	60 200	150 300	502 285	6300 1400	280 145	0.2 0.25	0.5 0.8	1.5 2
-500	129	158 170	35 70	35 62	122	42	M12 125	70 81	2	4470	9.22	164	80 250	200 500	690 320	7790 970	100 85	0.2 0.25	0.5 1	1.5 2

Material: Bellows: stainless steel

Hub (Size 2 to Size 60): Aluminum

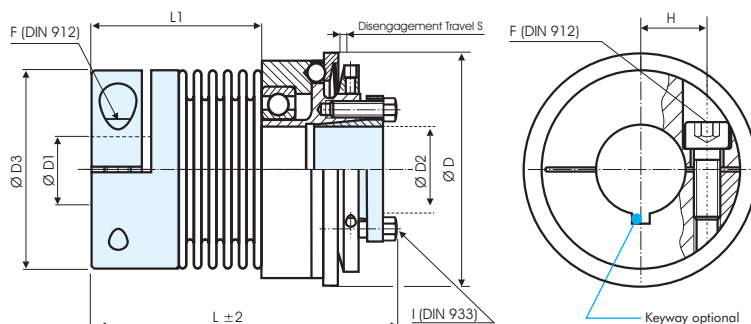
Hub (Size 80 to Size 500): Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp and Inner Cone



Order Code: KBK/BKI - 60 - 100 - 16H7 - 14H7 - 20Nm - C or D - 1

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement Torque

Overload Torque Range

C = Single Position D = Multi Position Engagement

KBK/BKI-x	Dimensions (mm)										Technical Ratings										
	Ø D	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min max	Bore Size (H7) min max	Hub-diameter		Screw (DIN 912) T _A (Nm)		Screw (DIN 933) T _A (Nm)					1	2	torsional x10 ³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
														T _{KN} (Nm)	T _{KN} (Nm)						
-10	49	65 75	6 25	6 14	40	15.5	M4 5.1	34 43	M3 4	0.7	11690	0.24	0.6	3 7	5 10	8.1 6.8	120 29	27 17	0.15 0.3	0.4 0.6	1.5 2
-30	64	77.5 86.5	10 30	12 20	56	20	M6 15	40.5 48.5	M5 6	1.2	9540	0.72	3.0	5 15	10 30	38 28	720 225	50 28	0.15 0.25	0.6 1	1.5 2
-60	79	90 100	12 32	15 25	66	23	M8 36	50 60	M6 8.5	1.2	8180	1.3	7.9	12 35	20 60	75 50	1150 340	90 50	0.15 0.25	0.6 1	1.5 2
-80	94	106 118	14 42	20 35	82	28	M10 72	57.5 68.5	M6 14	2	6220	2.84	25	15 40	30 80	128 75	1200 400	80 50	0.2 0.25	0.5 0.8	1.5 2
-150	94	106 118	19 42	20 35	82	28	M10 72	57.5 68.5	M6 14	2	6220	2.84	25	50 130	65 150	155 105	2020 595	145 85	0.2 0.25	0.5 0.8	1.5 2
-200	109	113 126	22 45	20 40	90	31	M12 125	63 75	M6 14	2	5720	3.48	41	30 90	80 200	175 116	2500 460	147 82	0.2 0.25	0.5 0.8	1.5 2
-300	119	131 141	30 60	25 50	110	39	M12 125	67 78	M8 18	2	5200	5.35	80	60 200	150 300	502 285	6300 1400	280 145	0.2 0.25	0.5 0.8	1.5 2
-500	129	140 151	35 70	35 55	122	42	M12 125	70 81	M8 26	2	4470	7.54	134	80 250	200 500	690 320	7790 970	100 85	0.2 0.25	0.5 1	1.5 2

Material: Bellows: Stainless Steel

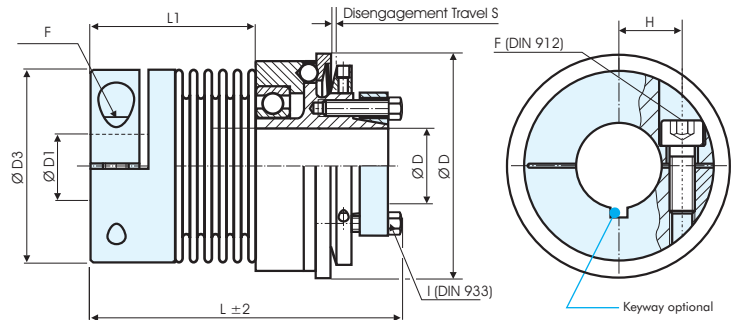
Hub: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp and Outer Cone



Order Code: KBK/BKA - 60 - 108 - 16H7 - 14H7 - 20Nm - C or D - 1

Type / Size

Length Ø D2 (H7)

Ø D2 (H7)

Disengagement Torque

Overload Torque Range

C = Single Position D = Multi Position Engagement

KBK/BKA-x	Dimensions (mm)										Technical Range										
	Ø D	L	Ø D1	Ø D2	Ø D3	H	F	L1	I	S	Maximum Speed	Mass	Moment of Inertia	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min	Bore Size (H7) min	Hub-dia-meter		Screw (DIN 912) T _A (Nm)		Screw (DIN 933) T _A (Nm)		rpm. (1/min)	(kg)	J (kg cm ²)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10 ³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
			max	max																	
-10	49	67	6	5	40	15.5	M4	34	M5	0.7	11690	0.24	0.6	3	5	8.1	120	27	0.15	0.4	1.5
		77	25	14			5.1	43	5.9					7	10	6.8	29	17	0.3	0.6	2
-30	64	81	10	12	56	20	M6	40.5	M5	1.2	9540	0.71	2.9	5	10	38	720	50	0.15	0.6	1.5
		90	30	20			15	48.5	5.9					15	30	28	225	28	0.25	1	2
-60	79	98	12	15	66	23	M8	50	M5	1.2	8180	1.29	7.9	12	20	75	1150	90	0.15	0.6	1.5
		108	32	32			36	60	8.7					35	60	50	340	50	0.25	1	2
-80	94	115	14	20	82	28	M10	57.5	M6	2	6220	2.89	25	15	30	128	1200	80	0.2	0.5	1.5
		127	42	35			72	68.5	15					40	80	75	400	50	0.25	0.8	2
-150	94	115	19	20	82	28	M10	57.5	M6	2	6220	2.89	25	50	65	155	2020	145	0.2	0.5	1.5
		126	42	35			72	68.5	15					130	150	105	595	85	0.25	0.8	2
-200	109	122	22	20	90	31	M12	63	M6	2	5720	3.5	42	30	80	175	2500	147	0.2	0.5	1.5
		135	45	42			125	75	15					90	200	116	460	82	0.25	0.8	2
-300	119	140	30	25	110	39	M12	67	M8	2	5200	5.23	79	60	150	502	6300	280	0.2	0.5	1.5
		150	60	50			125	78	25					200	300	285	1400	145	0.25	0.8	2
-500	129	154	35	35	122	42	M12	70	M8	2	4470	7.5	135	80	200	690	7790	100	0.2	0.5	1.5
		165	75	55			125	81	36					250	500	320	970	85	0.25	1	2

Material: Bellows: Stainless Steel

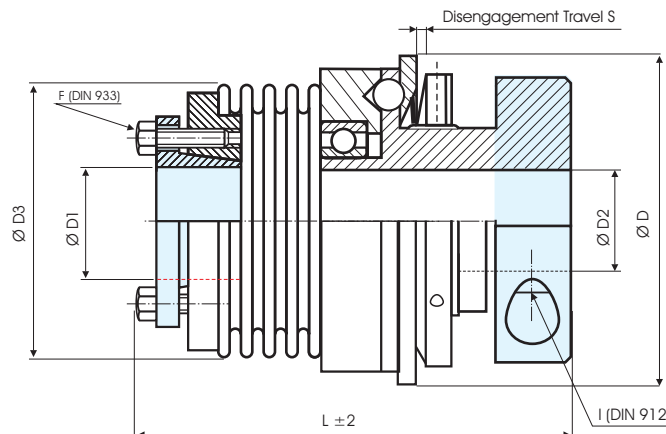
Hub: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Coupling

with Inner Cone and Collet Clamp



Order Code: KBK/BIK - 60 - 107 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BIK-x	Dimensions (mm)								Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	I	S	Maximum Speed	Mass	Moment of Inertia	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw (DIN 933) T _A (Nm)	Screw (DIN 912) T _A (Nm)					1	2	torsional	radial	axial	radial	axial	angular
									rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	T _{KN} (Nm)	x10 ³ C _T (Nm/rad)	C _R (N/mm)	C _A (N/mm)	ΔKr (mm)	ΔKa (mm)	ΔKw (°)
-10	49	68	6-14	6-20	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				1.5	5.1							6.8	29	17	0.3	0.6	2
-30	64	79	12-20	10-26	56	M5	M6	1.2	9540	0.81	3.3	5-15	10-30	38	720	50	0.15	0.6	1.5
		88				6	15							28	225	28	0.25	1	2
-60	79	97	15-25	12-31	66	M6	M8	1.2	8180	1.48	9	12-35	20-60	75	1150	90	0.15	0.6	1.5
		107				8.5	36							50	340	50	0.25	1	2
-80	94	107	20-35	14-38	82	M6	M10	2	6220	3.2	28	15-40	30-80	128	1200	80	0.2	0.5	1.5
		119				14	72							75	400	50	0.25	0.8	2
-150	94	107	20-35	14-38	82	M6	M10	2	6220	3.2	28	50-130	65-150	155	2020	145	0.2	0.5	1.5
		119				14	72							105	595	85	0.25	0.8	2
-200	109	114	20-40	22-45	90	M6	M12	2	5720	3.9	46	30-90	80-200	175	2500	147	0.2	0.5	1.5
		127				14	125							116	460	82	0.25	0.8	2
-300	119	133	25-50	30-57	110	M8	M12	2	5200	6.1	92	60-200	150-300	502	6300	280	0.2	0.5	1.5
		143				18	125							285	1400	145	0.25	0.8	2
-500	129	147	35-55	35-62	122	M8	M12	2	4470	8.4	150	80-250	200-500	690	7790	100	0.2	0.5	1.5
		158				26	125							320	970	85	0.25		2

Material: Bellows: Stainless Steel

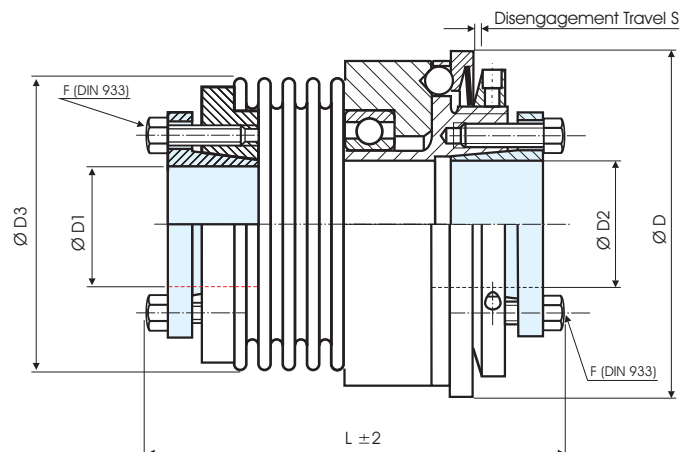
Hubs: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Couplings

with 2 Inner Cones



Order Code: KBK/BII - 60 - 100 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

$\varnothing D2$ (H7)

$\varnothing D2$ (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BII-x	Dimensions(mm)							Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	S	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw (DIN 933) TA (Nm)					1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10 ³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-10	49	6878	6-14	6-14	40.5	M31.5	0.7	11650	0.27	0.6	3-7	5-10	8.16.8	12029	2717	0.150.3	0.40.6	1.52
-30	64	8594	12-20	12-20	56	M56	1.2	9540	0.76	3.1	5-15	10-30	3828	720225	5028	0.150.25	0.61	1.52
-60	79	100110	15-25	15-25	66	M68.5	1.2	8180	1.44	8.8	12-35	20-60	7550	1150340	9050	0.150.25	0.61	1.52
-80	94	115128	20-35	20-35	82	M614	2	6220	2.5	22	15-40	30-80	12875	1200400	8050	0.20.25	0.50.8	1.52
-150	94	115128	20-35	20-35	82	M614	2	6220	2.5	22	50-130	65-150	155105	2020595	14585	0.20.25	0.50.8	1.52
-200	109	125135	20-40	20-40	90	M614	2	5720	2.88	34	30-90	80-200	175116	2500460	14782	0.20.25	0.50.8	1.52
-300	119	135145	25-50	25-50	110	M818	2	5200	5.0	75	60-200	150-300	502285	63001400	280145	0.20.25	0.50.8	1.52
-500	129	150162	35-55	35-55	122	M826	2	4470	6.73	120	80-250	200-500	690320	7790970	10085	0.20.25	0.51	1.52
-800	169	235	50-70	50-70	157	M1645	2	3350	17.8	518	240-600	500-800	700	500	185	0.2	0.8	1.8
-1400	169	235	50-70	50-70	157	M1680	2	3350	18.0	523	360-1000	900-1400	1270	700	275	0.2	0.8	1.8

Material: Bellows: Stainless Steel

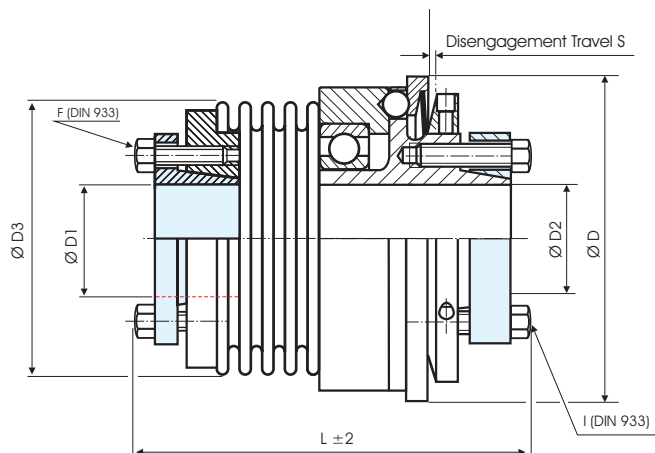
Hubs: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Couplings

with Inner Cone and Outer Cone



Order Code: KBK/BIA - 60 - 100 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BIA-x	Dimensions (mm)								Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	S	I	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw (DIN 933) T _A (Nm)		Screw (DIN 933) T _A (Nm)				1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10 ³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔK _r (mm)	axial ΔK _a (mm)	angular ΔK _w (°)
-10	49	69	6-14	5-14	40.5	M3	0.7	M5	11650	0.27	0.6	3-7	5-10	8.1	120	27	0.15	0.4	1.5
		79				1.5		5.9						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				6		5.9						28	225	28	0.25	1	2
-60	79	89	15-25	15-32	66	M6	1.2	M5	8180	1.43	8.8	12-35	20-60	75	1150	90	0.15	0.6	1.5
		100				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				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				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				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				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				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
						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
						80		115											

Material: Bellows: Stainless Steel

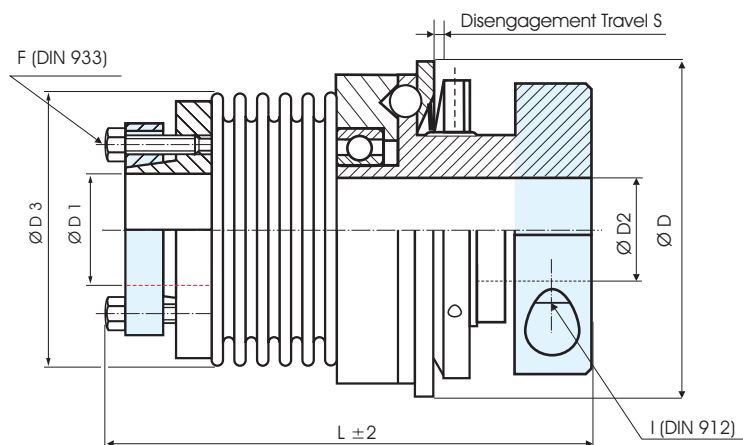
Hubs: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Safety Couplings

with Outer Cone and Collet Clamp



Order Code: KBK/BAK - 60 - 115 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BAK-x	Dimensions (mm)								Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	S	I	Maximum Speed	Mass	Moment of Inertia	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) von~bis	Bore Size (H7) von~bis		Screw (DIN 933) T _A (Nm)		Screw (DIN 912) T _A (Nm)	rpm. (1/min)	(kg)	J (kg cm²)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-10	49	65 74	5-14	6-20	40.5	M5 5.9	0.7	M4 5.1	11650	0.27	0.6	3-7	5-10	8.1 6.8	120 29	27 17	0.15 0.3	0.4 0.6	1.5 2
-30	64	82 92	12-20	10-26	56	M5 5.9	1.2	M6 15	9540	0.80	3.3	5-15	10-30	38 28	720 225	50 28	0.15 0.25	0.6 1	1.5 2
-60	79	104 115	15-32	12-31	66	M5 8.7	1.2	M8 36	8180	1.46	8.9	12-35	20-60	75 50	1150 340	90 50	0.15 0.25	0.6 1	1.5 2
-80	94	115 127	20-35	14-38	82	M6 15	2	M10 72	6220	3.3	29	15-40	30-80	128 75	1200 400	80 50	0.2 0.25	0.5 0.8	1.5 2
-150	94	115 127	20-35	14-38	82	M6 15	2	M10 72	6220	3.3	29	50-130	65-150	155 105	2020 595	145 85	0.2 0.25	0.5 0.8	1.5 2
-200	109	122 135	20-42	20-45	90	M6 15	2	M12 125	5720	3.9	46	30-90	80-200	175 116	2500 460	147 82	0.2 0.25	0.5 0.8	1.5 2
-300	119	141 152	25-50	30-57	110	M8 25	2	M12 125	5200	5.9	88	60-200	150-300	502 285	6300 1400	280 145	0.2 0.25	0.5 0.8	1.5 2
-500	129	163 175	35-55	35-62	122	M8 36	2	M12 125	4470	8.5	151	80-250	200-500	690 320	7790 970	100 85	0.2 0.25	0.5 1	1.5 2

Material: Bellows: Stainless Steel

Hubs: Steel (also available in Stainless Steel)

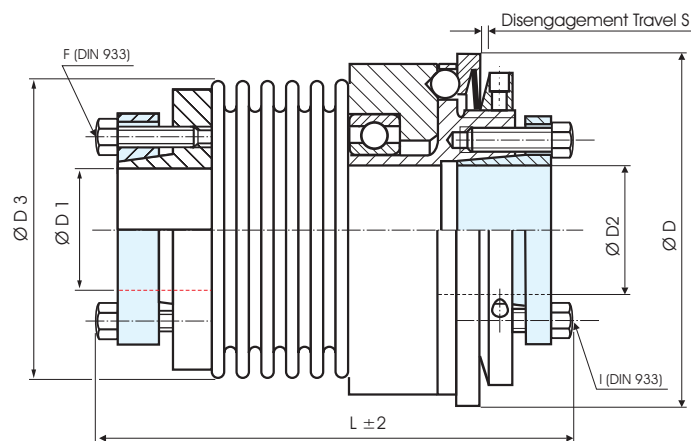
Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C



Safety Couplings

with Outer Cone and Inner Cone



Order Code: KBK/BAI - 60 - 100 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BAI-x	Dimensions (mm)								Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	S	I	Maximum Speed	Mass	Moment of Inertia	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) von~bis	Bore Size (H7) von~bis		Screw (DIN 933) T _A (Nm)		Screw (DIN 933) T _A (Nm)	rpm. (1/min)	(kg)	J (kg cm ²)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10 ³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔK _r (mm)	axial ΔK _a (mm)	angular ΔK _w (°)
-10	49	65	5-14	6-14	40.5	M5	0.7	M3	11650	0.27	0.6	3-7	5-10	8.1	120	27	0.15	0.4	1.5
		74				5.9		1.5						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				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				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				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				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				15		14						116	460	82	0.25	0.8	2
-300	119	133	25-50	25-50	110	M8	2	M8	5200	4.8	72	60-200	150-300	502	6300	280	0.2	0.5	1.5
		143				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				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
						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
						115		80											

Material: Bellows: Stainless Steel

Hubs: Steel (also available in Stainless Steel)

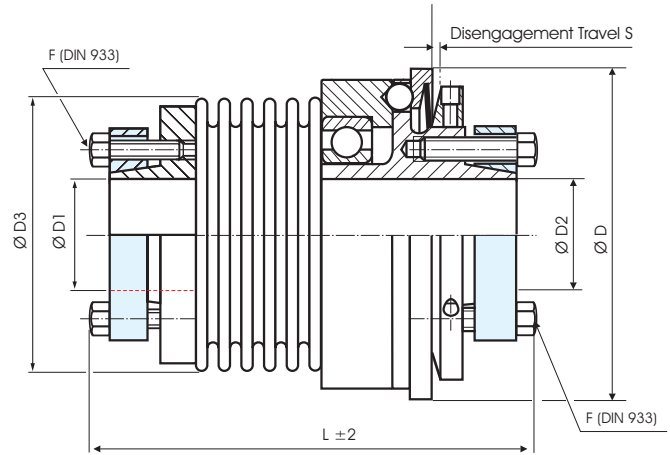
Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C



Safety Couplings

with 2 Outer Cones



Order Code: KBK/BAA - 60 - 108 - 15H7 - 18H7 - 20Nm - C or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position D = Multi Position Engagement

KBK/BAA-x	Dimensions (mm)							Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	S	Maximum Speed	Mass	Moment of Inertia	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min~max	Bore Size (H7) min~max		Screw (DIN 933) T _A (Nm)		rpm. (1/min)	(kg)	(kg cm²)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	torsional x10³ C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-10	49	66 75	5-14	5-14	40.5	M5 5.9	0.7	11650	0.27	0.6	3-7	5-10	8.1	120	27	0.15	0.4	1.5
		6.8				29							17	0.3	0.6	2		
-30	64	78 87	12-20	12-20	56	M5 5.9	1.2	9540	0.74	3.0	5-15	10-30	38	720	50	0.15	0.6	1.5
		28				225							28	0.25	1	2		
-60	79	97 108	15-32	15-32	66	M5 8.7	1.2	8180	1.41	8.6	12-35	20-60	75	1150	90	0.15	0.6	1.5
		50				340							50	0.25	1	2		
-80	94	116 129	20-35	20-35	82	M6 15	2	6220	2.6	23	15-40	30-80	128	1200	80	0.2	0.5	1.5
		75				400							50	0.25	0.8	2		
-150	94	116 129	20-35	20-35	82	M6 15	2	6220	2.6	23	50-130	65-150	155	2020	145	0.2	0.5	1.5
		105				595							85	0.25	0.8	2		
-200	109	118 132	20-42	20-42	90	M6 15	2	5720	2.9	35	30-90	80-200	175	2500	147	0.2	0.5	1.5
		116				460							82	0.25	0.8	2		
-300	119	141 152	25-50	25-50	110	M8 25	2	5200	4.6	70	60-200	150-300	502	6300	280	0.2	0.5	1.5
		285				1400							145	0.25	0.8	2		
-500	129	159 171	35-55	35-55	122	M8 36	2	4470	6.8	121	80-250	200-500	690	7790	100	0.2	0.5	1.5
		320				970							85	0.25	1	2		
-800	169	250	50-70	50-70	157	M12 85	2	3350	17.7	514	240-600	500-800	700	500	185	0.2	0.8	1.8
-1400	169	250	50-70	50-70	157	M12 115	2	3350	17.8	516	360-1000	900-1400	1270	700	275	0.2	0.8	1.8

Material: Bellows: Stainless Steel

Hubs: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

to connect shafts

Safety Couplings with Elastomer Servo Insert to compensate Misalignment

KBK/EPP14~42

with 2 Keyways



KBK/EPK14~42

with Keyway and Collet Clamp



KBK/EPI14~42

with Keyway an Inner Cone



KBK/EPA14~42

with Keyway and Outer Cone



KBK/EKP14~42

with Collet Clamp and Keyway



KBK/EKK14~42

with 2 Collet Clamps



KBK/EKI14~42

with Collet Clamp and Inner Cone



KBK/EKA14~42

with Collet Clamp and Outer Cone



KBK/EAP14~42

with Outer Cone and Keyway



KBK/EAK14~42

with Outer Cone and Collet Clamp



KBK/EAI14~42

with Outer Cone and Inner Cone



KBK/EAA14~42

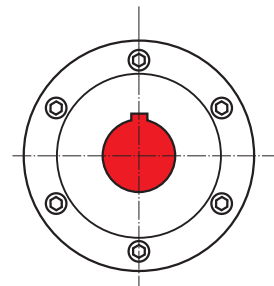
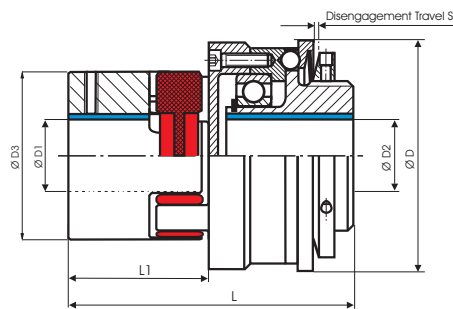
with 2 Outer Cones





Safety Coupling

with 2 Keyways



Order Code: KBK/EPP - 24 - 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EPP-x	Dimensions (mm)							Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	L1	S	Maximum Speed	Mass	Moment of Inertia	Torsion 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max				rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	55	6-16	6-12	30	24	0.7	11690	0.19	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	81	10-24	10-16	40	41	1.2	8950	0.63	2.6	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	87	16-28	15-24	55	50	1.2	7630	1.1	6.8	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	121	20-38	19-29	65	59	2	6030	2	17	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	134	20-45	20-42	80	67	2	4980	3.8	57	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	159	20-55	20-50	95	76	2	4440	7.9	140	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Material:

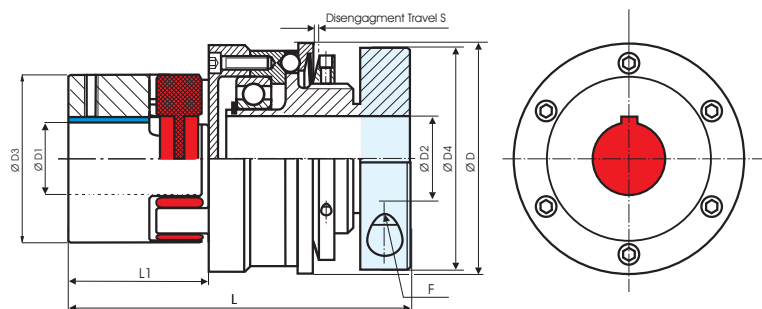
Insert: Polyurethane 98 Sh A red
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C



Safety Couplings

with Keyway and Collet Clamp



Order Code: KBK/EPK - 24 - 16H7 - 14H7 - 20Nm - C or D - 2

Type - Size

Bore D1(H7)

Bore D2(H7)

Disengagement Torque

Overload Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EPK-x	Dimensions (mm)									Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	Ø D4	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Length	Bore Size (H7) von ~ bis	Bore Size (H7) von ~ bis			Screw (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK _r (mm)	axial ΔK _a (mm)	angular ΔK _w (°)
-14	49	65	6-16	6-20	30	42	M4 5.1	24	0.7	11690	0.22	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	100	10-24	10-26	40	56	M6 15	41	1.2	8950	0.77	3.2	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	115	16-28	12-31	55	66	M8 36	50	1.2	7630	1.34	8.2	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	142	20-38	14-38	65	82	M10 72	59	2	6030	3	26	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	160	20-45	30-57	80	110	M12 125	67	2	4980	5.7	86	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	195	20-55	35-62	95	122	M12 125	76	2	4440	10.5	186	450	80-250	200-500	0.14	+2.0 -1.0	0.9

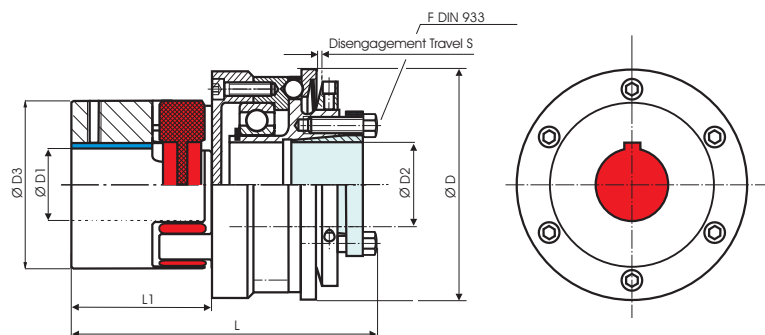
Material: Insert: Polyurethane 98 Sh A red
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C



Safety Coupling

mit Keyway and Inner Cone



Order Code: KBK/EPI - 24 - 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EPI-x	Dimensions (mm)								Technical Ratings								
	$\varnothing D$	L	$\varnothing D1$	$\varnothing D2$	$\varnothing D3$	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Außen- durch- messer	Länge	Bohrung (H7) von ~ bis	Bohrung (H7) von ~ bis		Schraube (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-14	49	65	6-16	6-14	30	M3 4	24	0.7	11690	0.22	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	93	10-24	12-20	40	M5 6	41	1.2	8950	0.72	2.9	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	100	16-28	15-25	55	M6 8.5	50	1.2	7630	1.3	7.9	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	135	20-38	20-35	65	M6 14	59	2	6030	2.28	20	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	151	20-45	25-50	80	M8 20	67	2	4980	4.6	69	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	177	20-55	35-55	95	M8 26	76	2	4440	8.75	156	450	80-250	200-500	0.14	+2.0 -1.0	0.9

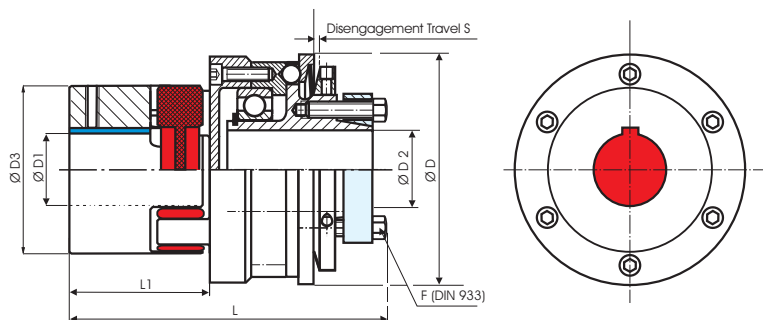
Material: Insert: Polyurethane 98 Sh A red
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C



Safety Coupling

with Keyway and Outer Cone



Order Code: KBK/EPA - 24 - 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

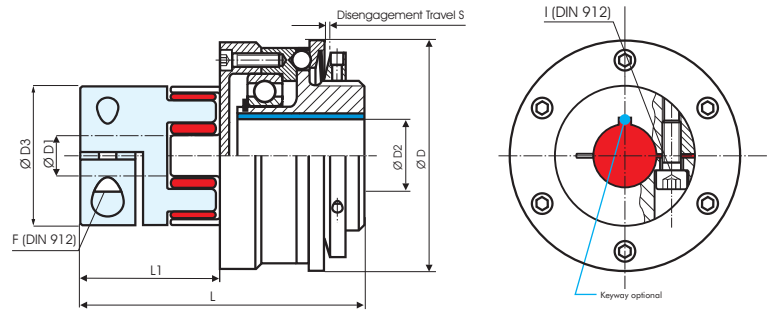
KBK/EPA-x	Dimensions (mm)								Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Länge	Bore Size (H7) von ~ bis	Bore Size (H7) von ~ bis		Screw (DIN 933) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK _r (mm)	axial ΔK _a (mm)	angular ΔK _w (°)
-14	49	67	6-16	5-14	30	M5 5.9	24	0.7	11690	0.22	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	96	10-24	12-20	40	M5 5.9	41	1.2	8950	0.71	2.9	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	108	16-28	15-32	55	M5 8.7	50	1.2	7630	1.29	7.9	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	144	20-38	20-35	65	M6 15	59	2	6030	2.3	20.4	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	160	20-45	25-50	80	M8 25	67	2	4980	4.5	67.3	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	191	20-55	35-55	95	M8 36	76	2	4440	8.8	156.1	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Material: Insert: Polyurethane 98 Sh A red
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C

Safety Couplings

with Collet Clamp and Keyway



Order Code: KBK/EKP - 24 - 77 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EKP-x	Dimensions (mm)								Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Length	Bore Size (H7) von ~ bis	Bore Size (H7) von ~ bis		Schrew (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	55	4-16	6-12	30	M3 1.4	24	0.7	11690	0.21	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	81 73	10-22	10-16	40	M6 11	41 33	1.2	8950	0.65	2.7	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	87 77	15-32	15-24	55	M6 11	50 40	1.2	7630	1.24	7.6	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	121 107	19-38	19-29	65	M8 25	59 45	2	6030	2.1	18	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	134 120	20-45	20-42	80	M8 25	67 53	2	4980	3.8	57	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	159	28-45	20-50	95	M8 25	76	2	4440	5.9	104	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Material: Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

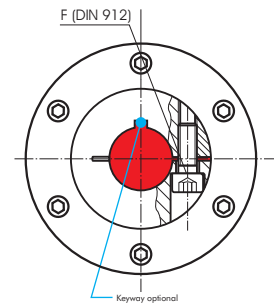
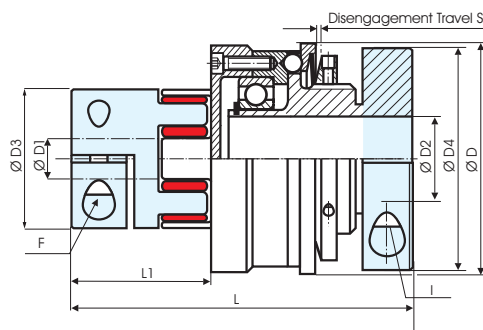
Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 90°C

Slit (Sizes 14 and 19): single
Slit (Sizes 24 - 42): double

Safety Coupling

with 2 Collet Clamps



Order Code: KBK/EKK - 24 - 115 16H7 - 14H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EKK-x	Dimension (mm)										Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	Ø D4	F	I	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max			Screw (DIN 912) T _A (Nm)	Screw (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK _r (mm)	axial ΔK _a (mm)	angular ΔK _w (°)
-14	49	65	4-16	6-20	30	42	M3 1.4	M4 5.1	24	0.7	11690	0.24	0.6	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	100 92	10-22	10-26	40	56	M6 11	M6 15	41 33	1.2	8950	0.79	3.2	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	115 105	15-32	12-31	55	66	M6 11	M8 36	50 40	1.2	7630	1.46	8.9	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	142 128	19-38	14-38	65	82	M8 25	M10 72	59 45	2	6030	3.1	27	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	160 146	20-45	30-57	80	110	M8 25	M12 125	67 59	2	4980	5.7	86	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	195	28-45	35-62	95	122	M8 25	M12 125	76	2	4440	8.5	150	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Material: Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Keyway acc. DIN 6885 optional

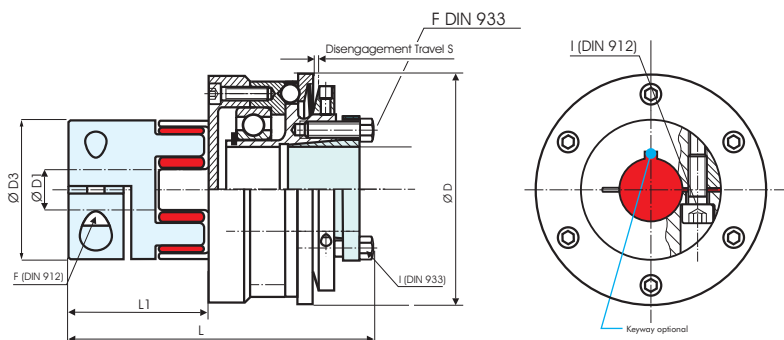
Temperature Range: -30°C ~ 90°C

Slit (Sizes 14 and 19): single
Slit (Sizes 24 - 42): double



Safety Couplings

with Collet Clamp and Inner Cone



Order Code: KBK/EKI - 24 - 90 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size - Length Bore D1(H7) Bore D2(H7) Disengagement Torque Overload Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EKI-x	Dimensions (mm)										Technical Ratings							
	$\varnothing D$	L	$\varnothing D1$	$\varnothing D2$	$\varnothing D3$	F	I	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer $\varnothing$	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max		Screw (DIN 912) T _A (Nm)	Screw (DIN 933) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-14	49	65	4-16	6-14	30	M3	M3	24	0.7	11690	0.24	0.6	12.5	3-7	5-10	0.09	+1.0	0.9
						1.4	4										-0.5	
-19	64	93	10-22	12-20	40	M6	M5	41	1.2	8950	0.74	3.0	17	5-15	10-19	0.06	+1.2	0.9
		85				11	6	33									-0.5	
-24	79	100	15-32	15-25	55	M6	M6	50	1.2	7630	1.42	8.7	60	12-35	20-60	0.10	+1.4	0.9
		90				11	8.5	40									-0.5	
-28	94	135	19-38	20-35	65	M8	M6	59	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5	0.9
		121				25	14	45									-0.7	
-38	119	151	20-45	25-50	80	M8	M8	67	2	4980	4.6	69	325	60-200	150-300	0.12	+1.8	0.9
		137				25	20	53									-0.7	
-42	129	177	28-45	35-55	95	M8	M8	76	2	4440	6.7	120	450	80-250	200-500	0.14	+2.0	0.9
						25	26										-1.0	

Material: Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 90°C

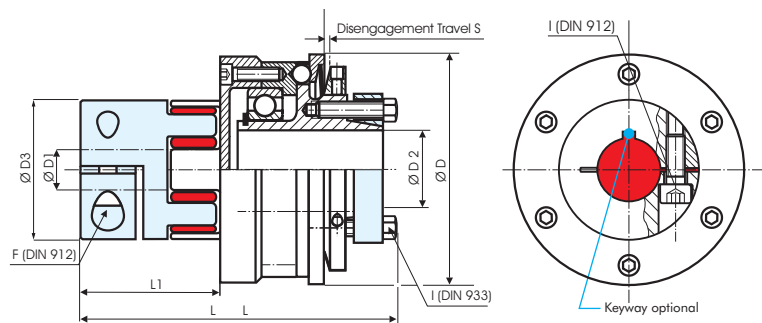
Slit (Sizes 14 and 19): single
Slit (Sizes 24 - 42): double





Safety Coupling

with Collet Clamp and Outer Cone



Order Code: KBK/EKA - 24 - 98 16H7 - 14H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement Torque

Overload Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EKA-x	Dimensions (mm)									Technical Ratings								
	$\varnothing D$	L	$\varnothing D1$	$\varnothing D2$	$\varnothing D3$	F	I	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer $\varnothing$	Length	Bore Size (H7) von ~ bis	Bore Size (H7) von ~ bis		Screw (DIN 912) T _A (Nm)	Screw (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-14	49	67	4-16	5-14	30	M3 1.4	M5 5.9	24	0.7	11690	0.24	0.6	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	96 88	10-22	12-20	40	M6 11	M5 5.9	41 33	1.2	8950	0.73	3.0	17	5-15	10-19	0.06	+1.2 -0.5	0.9
-24	79	108 98	15-32	15-32	55	M6 11	M5 8.7	50 40	1.2	7630	1.41	8.6	60	12-35	20-60	0.10	+1.4 -0.5	0.9
-28	94	144 130	19-38	20-35	65	M8 25	M6 15	59 45	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5 -0.7	0.9
-38	119	160 146	20-45	25-50	80	M8 25	M8 25	67 53	2	4980	4.5	67	325	60-200	150-300	0.12	+1.8 -0.7	0.9
-42	129	191	28-45	35-55	95	M8 25	M8 36	76	2	4440	6.8	120	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Material: Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 90°C

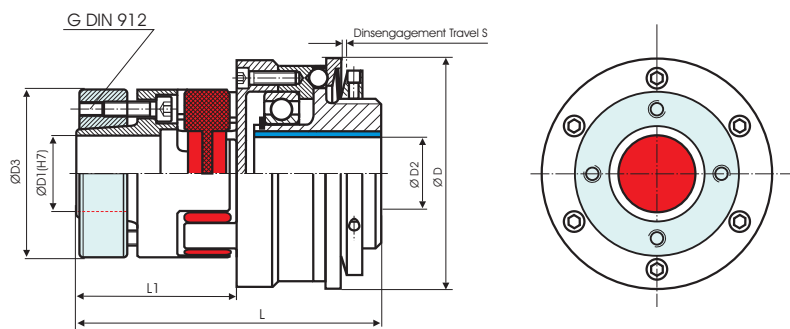
Slit (Sizes 14 and 19): single
Slit (Sizes 24 - 42): double





Safety Coupling

with Outer Cone and Keyway



Order Code: KBK/EAP - 24 - 85 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Überlast-
bereich

C = Single Position, D = Multi Position Engagement

KBK/EAP-x	Dimensions (mm)								Technical Ratings								
	$\varnothing D$	L	$\varnothing D1$	$\varnothing D2$	$\varnothing D3$	G	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer $\varnothing$	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max		Screw (DIN 912) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-14	49	63	6-14	6-12	30	M3	32	0.7	11690	0.26	0.6	12.5	3-7	5-10	0.09	+1.0	0.9
		58				1.34	27									-0.5	
-19	64	81	10-19	10-16	40	M4	41	1.2	8950	0.71	2.9	17	5-15	10-19	0.06	+1.2	0.9
		76				2.9	36									-0.5	
-24	79	85	15-25	15-24	55	M5	50	1.2	7630	1.45	8.9	60	12-35	20-60	0.10	+1.4	0.9
		78				6	43									-0.5	
-28	94	117	19-38	19-29	65	M5	59	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5	0.9
		110				6	52									-0.7	
-38	119	136	20-45	20-42	80	M6	67	2	4980	4.6	69	325	60-200	150-300	0.12	+1.8	0.9
		127				10	58									-0.7	
-42	129	159	28-50	20-50	95	M8	76	2	4440	8.9	158	450	80-250	200-500	0.14	+2.0	0.9
		147				35	64									-1.0	

Material:

Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

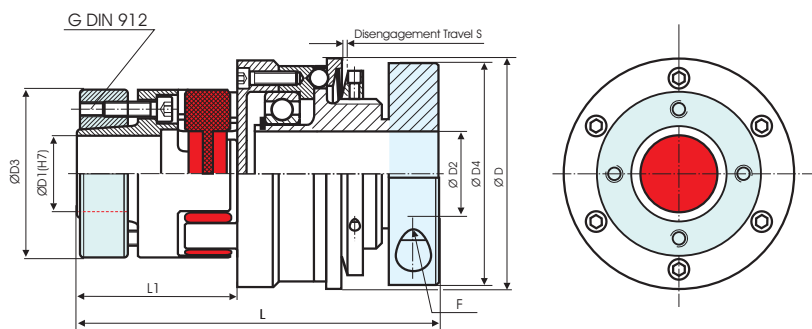
Temperature Range: -30°C ~ 90°C





Safety Coupling

mit Outer Cone and Collet Clamp



Order Code: KBK/EAK - 24 - 106 16H7 - 14H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EAK-x	Dimensions (mm)										Technical Ratings									angular
	Ø D	L	Ø D1	Ø D2	Ø D3	Ø D4	G	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment			
	Outer Ø	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max			Screw (DIN 912) T _A (Nm)	Screw (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK _r (mm)	axial ΔK _a (mm)	ΔK _w (°)	
-14	49	73	6-14	6-20	30	42	M3	M4	32	0.7	11690	0.29	0.7	12.5	3-7	5-10	0.09	+1.0	0.9	
		68					1.34	5	27									-0.5		
-19	64	100	10-19	10-26	40	56	M4	M6	41	1.2	8950	0.85	3.5	17	5-15	10-19	0.06	+1.2	0.9	
		95					2.9	15	36									-0.5		
-24	79	113	15-25	12-31	55	66	M5	M8	50	1.2	7630	1.67	10.2	60	12-35	20-60	0.10	+1.4	0.9	
		106					6	36	43									-0.5		
-28	94	138	19-38	14-38	65	82	M5	M10	59	2	6030	3.4	30	160	50-130	65-150	0.11	+1.5	0.9	
		131					6	72	52									-0,7		
-38	119	162	20-45	30-57	80	110	M6	M12	67	2	4980	6.5	98	325	60-200	150-300	0.12	+1.8	0.9	
		153					10	125	58									-0,7		
-42	129	195	28-50	35-62	95	122	M8	M12	76	2	4440	11.5	204	450	80-250	200-500	0.14	+2.0	0.9	
		183					35	125	64									-1.0		

Material: Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

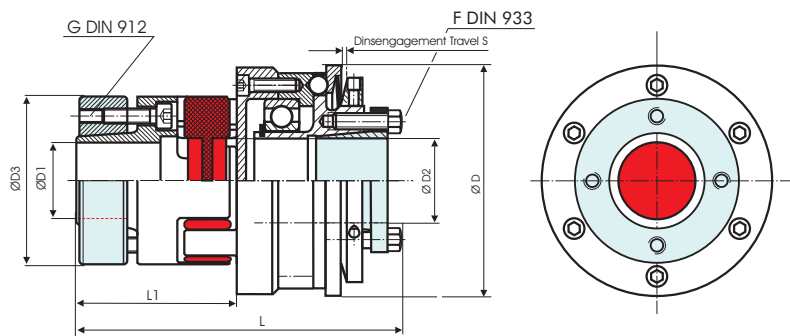
Temperature Range: -30°C ~ 90°C





Safety Coupling

with Outer Cone and Inner Cone



Order Code: KBK/EA1 - 24 - 91 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

C or D - 2

Überlast-
bereich

C = Single Position, D = Multi Position Engagement

KBK/EA1-x	Dimensions (mm)									Technical Ratings								
	$\varnothing D$	L	$\varnothing D1$	$\varnothing D2$	$\varnothing D3$	G	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 978 Sh	Overload Torque adjustable		Misalignment		
	Outer $\varnothing$	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max		Screw (DIN 912) T _A (Nm)	Screw (DIN 912) T _A (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-14	49	73	6-14	6-14	30	M3	M3	32	0.7	11690	0.29	0.7	12.5	3-7	5-10	0.09	+1.0	0.9
		68				1.34	4	27									-0.5	
-19	64	93	10-19	12-20	40	M4	M5	41	1.2	8950	0.80	3.3	17	5-15	10-19	0.06	+1.2	0.9
		88				2.9	6	36									-0.5	
-24	79	98	15-25	15-25	55	M5	M6	50	1.2	7630	1.63	10	60	12-35	20-60	0.10	+1.4	0.9
		91				6	8.5	43									-0.5	
-28	94	131	19-38	20-35	65	M5	M6	59	2	6030	2.7	24	160	50-130	65-150	0.11	+1.5	0.9
		124				6	14	52									-0.7	
-38	119	153	20-45	25-50	80	M6	M8	67	2	4980	5.4	81	325	60-200	150-300	0.12	+1.8	0.9
		144				10	20	58									-0.7	
-42	129	177	28-50	35-55	95	M8	M8	76	2	4440	9.7	173	450	80-250	200-500	0.14	+2.0	0.9
		165				35	26	64									-1.0	

Material:

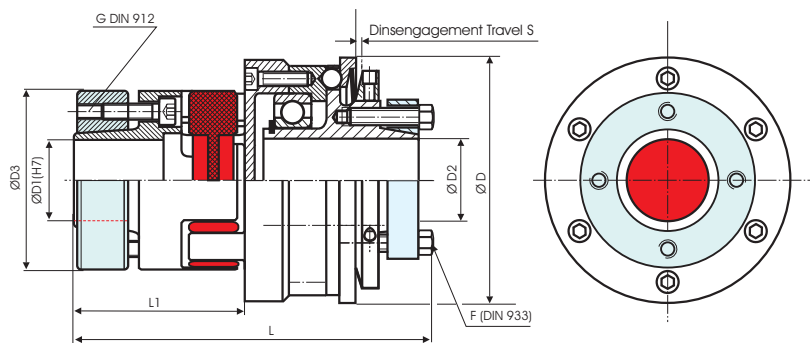
Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C



Safety Coupling

with Outer Cone and Inner Cone



Order Code: KBK/EAA - 24 - 99 16H7 - 15H7 - 20Nm - C or D - 2

Type - Size - Length

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Überlast-
bereich

C = Single Position, D = Multi Position Engagement

KBK/EAA-x	Dimensions (mm)									Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	G	F	L1	S	Maximum Speed	Mass	Moment of Inertia	Torque 98 Sh	Overload Torque adjustable		Misalignment		
	Outer Ø	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~ max		Screw (DIN 912) TA (Nm)	Screw (DIN 933) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm ²)	T _{KN} (Nm)	1 T _{KN} (Nm)	2 T _{KN} (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	75	6-14	5-14	30	M3	M5	32	0.7	11690	0.29	0.7	12.5	3-7	5-10	0.09	+1.0	0.9
		70				1.34	6	27									-0.5	
-19	64	96	10-19	12-20	40	M4	M5	41	1.2	8950	0.79	3.2	17	5-15	10-19	0.06	+1.2	0.9
		91				2.9	6	36									-0.5	
-24	79	106	15-25	15-32	55	M5	M5	50	1.2	7630	1.62	9.9	60	12-35	20-60	0.10	+1.4	0.9
		99				6	8.7	43									-0.5	
-28	94	140	19-38	20-35	65	M5	M6	59	2	6030	2.8	24	160	50-130	65-150	0.11	+1.5	0.9
		133				6	15	52									-0.7	
-38	119	162	20-45	25-50	80	M6	M8	67	2	4980	5.3	79	325	60-200	150-300	0.12	+1.8	0.9
		153				10	25	58									-0.7	
-42	129	191	28-50	35-55	95	M8	M8	76	2	4440	9.8	174	450	80-250	200-500	0.14	+2.0	0.9
		179				35	36	64									-1.0	

Material:

Insert: Polyurethane 98 Sh A rot
Hubs (Sizes 14 - 38): Aluminum
Hubs (Size 42): Steel

Temperature Range: -30°C ~ 90°C



KBK – The Company

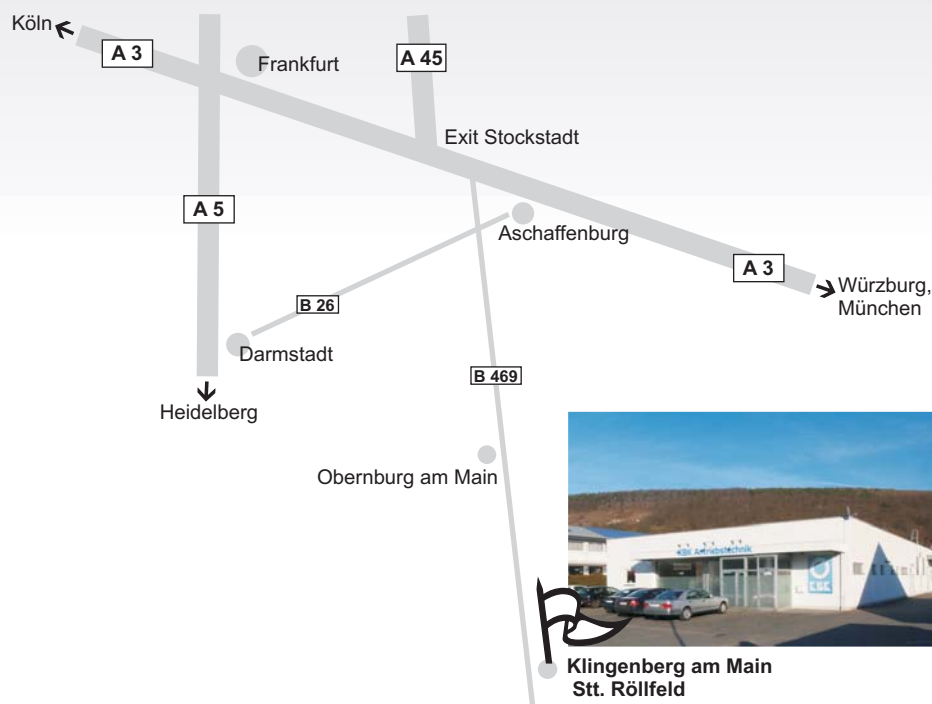
KBK Antriebstechnik GmbH was founded in July 2003.

Our vision of manufacturing high quality products “made in Germany” at competitive prices made us become the supplier of a steadily growing number of satisfied customers in 52 countries.

KBK products are the result of over thirty years experience in developing and manufacturing couplings and locking devices.

In 2010 we have extended not only our product range but also our production site to over 1000 square meters and have refurnished our NC turning lathes and Milling machines. This helps us to dispatch standard as well as customized products within two hours.

Our manufacturing facilities are located only 50 minutes from Frankfurt International Airport, which also enables us to provide worldwide short and punctual deliveries.



We also manufacture:

Miniature Couplings
Bellows Couplings
Servo Insert Couplings
Line Shafts



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Spannsätze
Locking Devices



KBK Antriebstechnik GmbH

The details contained in this catalogue are product descriptions based on our knowledge and experience.

We reserve the right to make alterations at any time and cannot be responsible for any omissions or printing errors.

2010

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