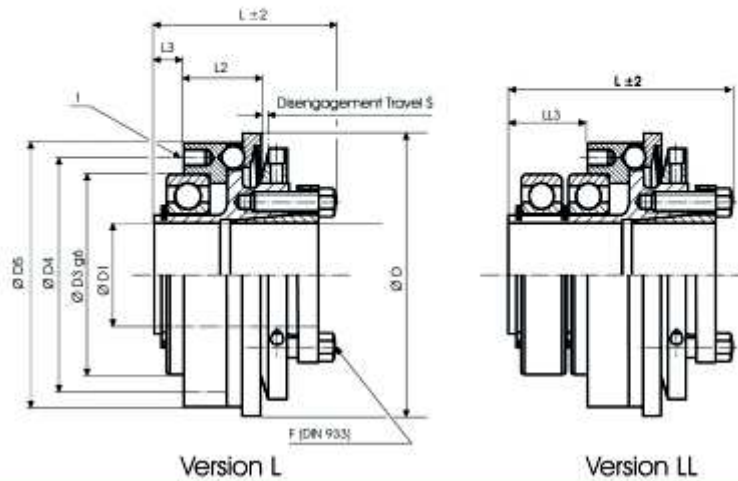


Safety Coupling



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

Type - Size

Bore D1(H7)

Disengagement Torque

Overload Torque Range

Single Position = C

D = Multi Position Engagement

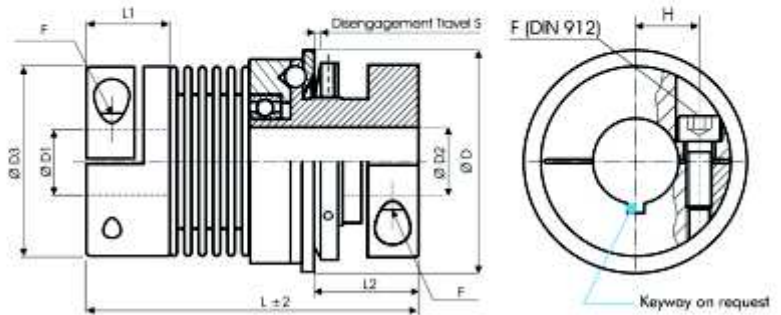
KBK/L-x KBK/LL-x	Dimensions (mm)											Technical Ratings						
	Ø D Outer	Ø D1 Bore Size (H7) min - max	Ø D3	Ø D4	Ø D5	L - LL		L2	L3 - LL3		S	I 6x	F Screw (DIN 933) TA (Nm)	Overload Torque adjustable		Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)
						Length KBK/L KBK/LL	KBK/LL		KBK/L KBK/LL	1 TKN (Nm)				2 TKN (Nm)				
-10	49	6-16	37	42	47	36 46	15	5 15	0.7	M3	M3 4	2-5	5-10	12000	0.25	1		
-30	64	8-20	47	53	60	43 60	18	6 20	1.2	M4	M5 6	5-15	10-30	9400	0.5	3		
-60	79	12-25	62	69	75	58 75	25	8 26	1.2	M5	M6 8.5	13-35	20-65	7800	1	6		
-80	94	15-35	68	80	90	60 76	26	10 27	2	M6	M6 14	15-40	30-80	6400	1.6	17		
-150	94	15-35	68	80	90	60 76	26	10 27	2	M6	M6 14	50-130	65-150	5500	1.7	17		
-200	109	20-40	80	90	105	66 85	30	10 28	2	M6	M6 14	30-90	80-200	5500	2.6	27		
-300	119	30-46	90	102	115	75 95	32	10 31	2	M8	M8 20	60-200	100-300	5000	3.6	39		
-500	129	35-50	100	112	125	75 95	32	10 31	2	M8	M8 26	80-250	200-500	4500	4.4	80		
-800	169	40-60	110	125	165	110 133	50	15 38	2	M12	M16 45	260-600	500-900	3500	12	278		
-1400	169	40-60	110	125	165	110 113	50	15 38	2	M12	M16 80	450-900	800-1400	3500	12	278		
-1600	194	60-90	150	168	190	125 133	60	19 47	2	M12	M14 100	500-1000	900-1600	3000	16	325		

Keyway acc. DIN 6885 optional

Temperature Range: -30° ~ 120° C

Safety Coupling

with Collect Clamp



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

Type / Size
Length
Ø D2 (H7)
Ø D2 (H7)
Disengagement Torque
or
Ø D2 (H7)
Disengagement Torque
D
- 1 - S
Options

C = Single Position
D = Multi Position Engagement
Overload Torque Range
Options

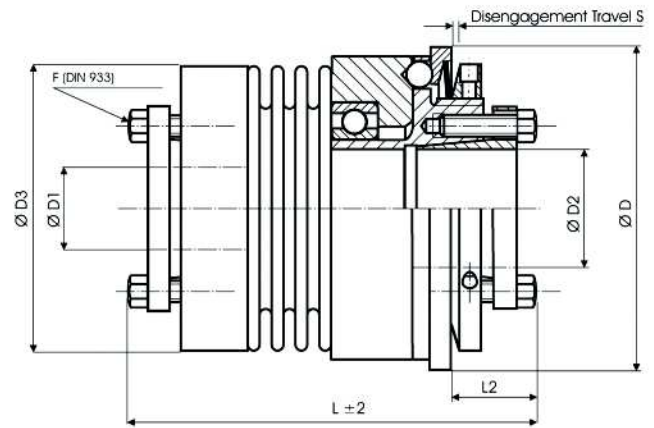
KBK/BK-x	Dimensions (mm)										Technical Ratings										
	Ø D	L	Ø D1	Ø D2	Ø D3	H	F	L1	L2	S	Maximum Speed rpm, (1/min)	Mass (kg)	Moment of Inertia J (kg cm ²)	Overload Torque adjustable		Spring Stiffness			Misalignment		
	Outer Ø	Length	Bore Size (H7) min max	Bore Size (H7) min max	Hub-diameter	Screw (DIN 912) TA (Nm)								1 TKN (Nm)	2 TKN (Nm)	torsional x10 ³ CT (Nm/rad)	radial Cr (N/mm)	axial Ca (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-7	49	65	6	6	40	15.5	M4	16	20	0.7	11690	0.25	0.7	1	3	8.1	120	27	0.15	0.4	1.5
		75	25	19			5.1							4	7						
-10	49	65	6	6	40	15.5	M4	16	20	0.7	11690	0.25	0.7	3	5	8.1	120	27	0.15	0.4	1.5
		75	25	19			5.1							7	10						
-30	64	85	10	10	56	20	M6	25	30.5	1.2	9540	0.7	3.2	5	10	38	720	50	0.15	0.6	1.5
		94	25	20			15							15	30						
-60	79	105	14	14	66	23	M8	30	28	1.2	8180	1.4	8	12	20	75	1150	90	0.15	0.6	1.5
		115	35	25			36							35	60						
-80	94	113	20	20	82	33.5	M10	33	42	2	6220	2.3	19	15	30	128	1200	80	0.2	0.5	1.5
		125	40	35			72							40	80						
-150	94	113	20	20	82	33.5	M10	33	42	2	6220	2.4	30	50	65	155	2020	145	0.2	0.5	1.5
		125	40	35			72							130	150						
-200	109	125	25	25	90	38	M12	38	42	2	5720	3	33	30	80	175	2500	147	0.2	0.5	1.5
		138	42	32			125							90	200						
-300	119	140	32	32	110	38	M12	38	38	2	5200	5.3	65	60	100	502	6300	280	0.2	0.5	1.5
		150	50	40			125							200	300						
-500	129	158	40	35	122	42	M12	42	56	2	4470	6.2	130	80	200	690	7790	100	0.2	0.5	1.5
		170	60	50			125							250	500						

Material: Bellows - Stainless Steel
 Hub (KBK/BK7, KBK/BK10, KBK/BK30, KBK/BK60) Aluminium
 Hub (KBK/BK80, KBK/BK150, KBK/BK200, KBK/BK300, KBK/BK500) Steel

Temperature Range: -30° ~ 120° C

Safety Coupling

with Inner Conical Hub



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

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

Disengagement Torque

oder

D - 2

Overload Torque Range

C = Single Position D = Multi Position Engagement

KBK/BI-x	Dimensions (mm)								Technical Ratings										
	ØD	L	ØD1	ØD2	ØD3	F	L2	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)	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	68	6-14	6-14	40.5	M3	10	0.7	11650	0.25	0.7	3-7	5-10	8.1	120	27	0.15	0.4	1.5
		78				6.8								29	17	0.3	0.6	2	
-30	64	85	10-20	10-20	56	M5	12	1.2	9540	0.7	3.2	5-15	10-30	38	720	50	0.15	0.6	1.5
		94				28								225	28	0.25	1	2	
-60	79	100	15-25	15-25	66	M6	13	1.2	8180	1.4	8	12-35	20-60	75	1150	90	0.15	0.6	1.5
		110				50								340	50	0.25	1	2	
-80	94	115	20-35	20-35	82	M6	15	2	6220	2.3	19	15-40	30-80	128	1200	80	0.2	0.5	1.5
		128				75								400	50	0.25	0.8	2	
-150	94	115	20-35	20-35	82	M6	15	2	6220	2.4	20	50-130	65-150	155	2020	145	0.2	0.5	1.5
		128				105								595	85	0.25	0.8	2	
-200	109	125	20-40	20-40	90	M6	15	2	5720	3	33	30-90	80-200	175	2500	147	0.2	0.5	1.5
		135				116								460	82	0.25	0.8	2	
-300	119	135	30-50	30-46	110	M8	19	2	5200	5.3	65	60-200	100-300	502	6300	280	0.2	0.5	1.5
		145				285								1400	145	0.25	0.8	2	
-500	129	150	35-55	35-50	122	M8	18.5	2	4470	7	170	80-250	200-500	690	7790	100	0.2	0.5	1.5
		162				320								970	85	0.25	1	2	
-800	169	235	40-70	40-60	157	M16	30	2	3350	19	540	240-600	500-800	700	500	185	0.2	0.8	1.8
		45																	
-1400	169	235	40-70	40-60	157	M16	30	2	3350	20	560	360-1000	900-1400	1270	700	275	0.2	0.8	1.8
		80																	
-1600	194	250	60-90	70-90	157	M12	32	2	3000	22	600	360-1000	900-1600	2810	2945	305	0.2	0.8	1.5
		90																	

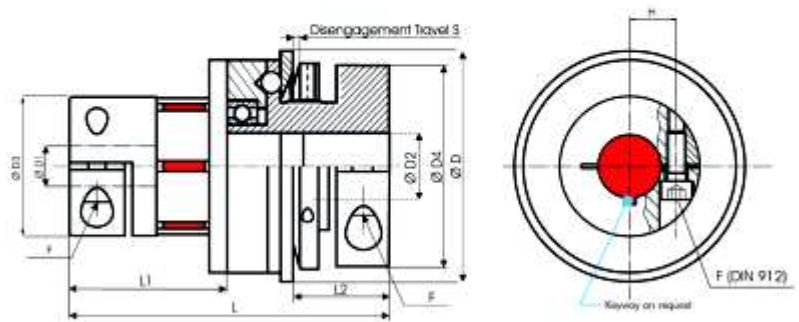
Material: Bellows: Stainless Steel Hub: Steel (also available in Stainless Steel)

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Torque Limiting

with Collect Clamp



Oder Code: KBK/EK - 24 - 16H7 - 14H7 - 20Nm - CoderD - 2

Type - Size

Bore D1(H7)

Bore D2(H7)

Disengagement
Torque

Overload
Torque Range

C = Single Position, D = Multi Position Engagement

KBK/EK-x	Dimensions (mm)											Technical Ratings								
	ϕD	L	$\phi D1$	$\phi D2$	$\phi D3$	$\phi D4$	H	F	L1	L2	S	Maximum Speed	Mass	Moment of Inertia	Torque	Overload Torque adjustable		Misalignment		
	Outer ϕ	Length	Bore (H7) min - max	Bore (H7) min - max				Screw (DIN 912) TA (Nm)				rpm. (1/min)	(kg)	J (kg cm ²)	T _{EN} (Nm)	T _{EN} (Nm)	T _{EN} (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	65	4-14	6-19	30	40	15.5	M4 5.1	16	20	0.7	11690	0.3	1.4	12.5	3-7	5-10	0.06	1.2	0.9
-19	64	100	10-20	10-20	40	56	24.5	M6 15	25	22	1.2	8950	0.5	3	17	5-15	10-19	0.06	1.2	0.9
-24	79	115	15-28	14-23	55	66	29	M8 36	30	28	1.2	7630	0.7	5.4	60	12-35	20-60	0.08	1.3	0.9
-28	94	142	19-35	20-35	65	82	33.5	M10 72	33	42	2	6030	1.4	9.7	160	50-130	65-150	0.1	1.4	0.9
-38	119	160	20-45	32-40	80	110	38	M12 125	38	38	2	4980	2.2	23	325	60-200	100-300	0.11	1.5	0.9
-42	129	195	28-45	35-50	95	122	42	M12 125	42	56	2	4440	4.6	80	450	80-250	200-500	0.12	1.8	0.9

Material: Insert: Polyurethan 98 Sh A red
Hub (KBK/EK-14, KBK/EK-19, KBK/EK-24, KBK/EK-28): Aluminium
Hub (KBK/EK-38, KBK/EK-42): Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C – 90°C

Form of Hubs (KBK/EK-14, KBK/EK-19): Single Slit
Form of Hubs (KBK/EK-24, KBK/EK-28, KBK/EK-38, KBK/EK-42): Double Slit