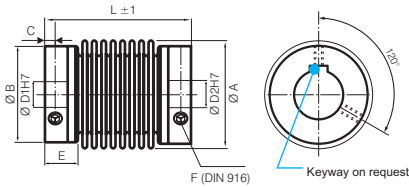


ZERO BACKLASH FLEXIBLE METAL BELLOW COUPLINGS



Metal Bellows Couplings : KB1 Series



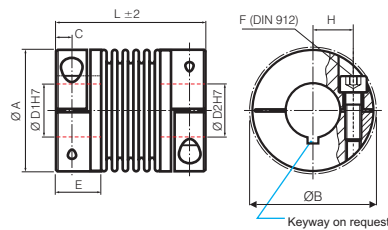
	Torque T _{KV} (Nm)	Dimensions (mm)							Technical Ratings								
		L Length (±1)	Ø A Outer Ø	D1/D2 Bore Sizes (H7) min - max	Ø B Hub Ø	C	E Hub- Length	F Screw (DIN 916) T _A (Nm)	Mass (g)	Moment of Inertia J (g cm ²)	Spring Stiffness			Misalignment			
											torsional C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)	
KB1/1	0.1	23	10	1-4 3*	10	2	6	M3	3	0.45	65	10	14	0.12	0.2	1.2	
		0.5	19	15	3-8 6*	13.5	2	6	M3	4	1.3	260	43	13	0.1	0.2	1
KB1/5	0.5	23	15	3-8 6*	13.5	2	6	M3	4.5	1.5	200	18	10	0.15	0.3	1.5	
		27	0.5	5	1.6	160	9	8	0.2	0.4	2						
		21	M3	5.5	1.8	510	74	27	0.1	0.2	1						
KB1/10	1	25	15	3-8 6*	13.5	2	6	M3	6	2	380	31	20	0.15	0.3	1.5	
		29	0.5	7	2.3	310	16	16	0.2	0.4	2						
		26	M4	10	6	750	59	15	0.1	0.3	1.5						
KB1/15	1.5	30	19	3-12 6*	19	3	8	M4	1.5	12	7.4	700	20	9	0.15	0.4	2
		22	M4	11	9.2	1500	67	12	0.15	0.3	1.5						
KB1/20	2	28	24	3-14 6/10*	21.5	3	6	M4	13	12.6	1300	21	11	0.2	0.4	1.5	
		32	1.5	15	13.5	1050	11	9	0.25	0.5	2						
		40	M6	44	68	6500	168	32	0.1	0.3	1.5						
KB1/45	4.5	48	32	6-18 10*	29	4	12	M6	3	50	79	4200	41	20	0.2	0.5	2
		45	M6	60	150	8100	120	27	0.15	0.4	1.5						
KB1/100	10	55	40	6-24 10*	36	4	12	M6	3	79	210	6800	29	17	0.3	0.6	2

*Standard Bore Sizes (H7)

Speed: max. 15000 min⁻¹
 Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional
 Material: Bellows - Stainless Steel
 Hub - Aluminium (also available in Stainless Steel)
 Temperature Range: -30° ~ 120°

Order Code : KB 1 / 45 - 40 - 10 - 18 - S
 Type / Size Length L Ø D1 Ø D2 Options
 (H7) (H7)

Metal Bellows Couplings : KB2 Series



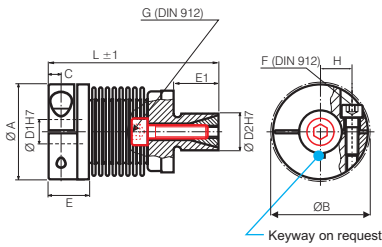
	Torque T _{KV} (Nm)	Dimensions (mm)							Technical Ratings									
		L Length (±1)	Ø A Outer Ø	D1/D2 Bore Sizes (H7) min - max	H	C	Ø B Max. Ø	E Hub- length	F Screw (DIN 912) T _A (Nm)	Mass (g)	Moment of Inertia J (g cm ²)	Spring Stiffness			Misalignment			
												torsional C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)	
KB2/1	0.1	25	10	1-4 3*	3.4	2	11	M1.6	3	0.5	65	10	14	0.12	0.2	1.2		
		0.5	21	15.5	3-7 6*	5.2	2.5	17.5	M2	7.5	2.7	260	43	13	0.1	0.2	1	
KB2/5	0.5	25	15.5	3-7 6*	5.2	2.5	17.5	M2	7.8	2.8	200	18	10	0.15	0.3	1.5		
		28	0.43	8.2	3	160	9	8	0.2	0.4	2							
		23	M2	9	3.1	510	74	27	0.1	0.2	1							
KB2/10	1	26	15.5	3-8 6*	5.2	2.5	17.5	M2	9.3	3.4	380	31	20	0.15	0.3	1.5		
		31	0.43	10	3.7	310	16	16	0.2	0.4	2							
		26	M2.5	13	8	750	59	15	0.1	0.3	1.5							
KB2/15	1.5	31	20	3-10 6*	7	3	21	M2.5	0.85	15	9.3	700	20	9	0.15	0.4	2	
		32	M3	29	24	1500	67	12	0.15	0.3	1.5							
KB2/20	2	38	25	3-14 6/10*	9	3.5	18	M3	32	27	1300	21	11	0.2	0.4	1.5		
		42	2	33	29	1050	11	9	0.25	0.5	2							
		41	M4	61	100	6500	168	32	0.1	0.3	1.5							
KB2/45	4.5	50	32.5	6-16 10*	12	5	34	M4	14	3.5	67	112	4200	41	20	0.2	0.5	2
		48	M4	86	233	8100	120	27	0.15	0.4	1.5							
KB2/100	10	57	40.5	6-22 10*	15.5	5	41.5	M4	14	4.5	106	290	6800	29	17	0.3	0.6	2

*Standard Bore Sizes (H7)

Speed: max. 15000 min⁻¹
 Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional
 Material: Bellows - Stainless Steel
 Hub - Aluminium (also available in Stainless Steel)
 Temperature Range: -30° ~ 120°

Order Code : KB 2 / 45 - 50 - 10 - 16 - S
 Type / Size Length L Ø D1 Ø D2 Options
 (H7) (H7)

Metal Bellows Couplings : KB3 Series



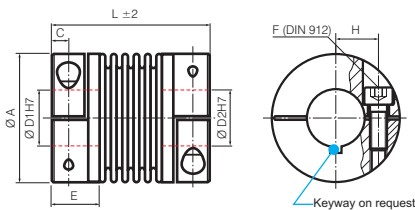
	Torque T _{KN} (Nm)	Dimensions (mm)										Technical Ratings							
		Length (±1)	Ø A Outer Ø	D ₁ Bore Size (H7) min - max	D ₂ Bore Size (H7)	Ø B Max. Ø	H	C	E	E1	F/G Screw (DIN 912) T _A (Nm)	Mass (g)	Moment of Inertia J (g cm ²)	Spring Stiffness			Misalignment		
														torsional C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)
KB3/5	0.5	28	15.5	3-7 3*	8	17.5	5.2	2.5	8	8	M2/M3	12.8	2.9	260	43	13	0.1	0.2	1
		32		13.2								3.1	200	18	10	0.15	0.3	1.5	
		35		13.5								3.2	160	9	8	0.2	0.4	2	
KB3/10	1	30	15.5	3-7 6*	8	17.5	5.2	2.5	8	8	M2/M3	14.1	3.3	510	74	27	0.1	0.2	1
		34		14.6								3.4	380	31	20	0.15	0.3	1.5	
		38		15.3								3.6	310	16	16	0.2	0.4	2	
KB3/15	1.5	37	20	3-10 6*	10	21	7	3	9	12	M2.5/M4	27.2	11	750	59	15	0.1	0.3	1.5
		41		29.3								12	700	20	9	0.15	0.4	2	
KB3/20	2	40	25	3-12.7 6/10*	10	27	9	3.5	11	12	M3/M4	40.1	25	1500	67	12	0.15	0.3	1.5
		46		43.2								29	1300	21	11	0.2	0.4	1.5	
		50		49.1								30	1050	11	9	0.25	0.5	2	
KB3/45	4.5	52	32.5	6-16 10*	14	34	12	5	14	16	M4/M5	86.5	98	6500	168	32	0.1	0.3	1.5
		60		92.9								110	4200	41	20	0.2	0.5	2	
KB3/100	10	61	40.5	6-22 10*	16	41.5	15.5	5	14	20	M4/M6	135	235	8100	120	27	0.15	0.4	1.5
		71		154								292	6800	29	17	0.3	0.6	2	

*Standard Bore Sizes (H7)

Speed: max. 15000 min⁻¹
 Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional
 Material: Bellows - Stainless Steel
 Hub - Aluminium (also available in Stainless Steel)
 Temperature Range: -30° ~ 120°

Order Code : KB 3 / 45 - 52 - 10 - S
 Type / Size Length L Ø D1 Keyway, material etc.
 (H7)

Metal Bellows Couplings : KB4 Series

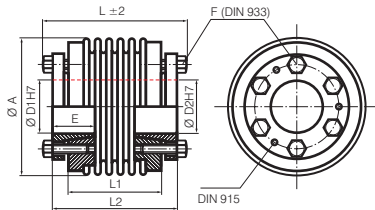


	Torque T _{KN} (Nm)	Dimensions (mm)							Technical Ratings								
		Length (±2)	Ø A Outer Ø	D ₁ /D ₂ Bore Sizes (H7)	H	C	E	F Screw (DIN 912) T _A (Nm)	Mass (kg)	Moment of Inertia J (kg m ²)	Spring Stiffness			Misalignment			max Speed rpm
											torsional C _T (Nm/rad)	radial C _R (N/mm)	axial C _A (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)	
KB4/18	18	63	45	10-25.4	17	5.5	19.5	M5	0.1	0.04	20	205	50	0.2	0.5	1.5	12800
		71									15	82	36	0.25	0.5	2	12800
KB4/30	30	65	56	10-30	20	7.5	24.5	M6	0.3	0.15	38	720	50	0.15	0.6	1.5	10300
		73									15	0.32	0.16	28	225	28	0.25
KB4/60	60	79	66	12-32	23	10	29	M8	0.5	0.33	75	1150	90	0.15	0.6	1.5	8700
		89									40	0.6	0.36	50	340	50	0.25
KB4/80	80	91	82	14-42	28	11	33.5	M10	1.8	2	128	1200	80	0.2	0.5	1.5	6900
		102									72	1.9	2.1	75	400	50	0.25
KB4/150	150	91	82	19-42	28	11	33.5	M10	1.8	2	155	2020	145	0.2	0.5	1.5	6900
		102									84	1.9	2.1	105	595	85	0.25
KB4/200	200	101	90	22-45	31	13	38	M12	2.6	3.3	175	2500	145	0.2	0.5	1.5	6400
		113									125	2.7	3.5	120	460	82	0.25
KB4/300	300	105	110	30-60	39	13	38	M12	3.6	7.3	502	6300	280	0.2	0.5	1.5	6000
		116									145	3.7	7.5	285	1400	145	0.25
KB4/500	500	112	122	35-65	42	15	42	M12	5.1	12.4	690	7790	100	0.2	0.5	1.5	5000
		123									145	5.2	12.7	320	970	85	0.25

Material:
 Bellows - Stainless Steel
 Hub (KB4/18, KB4/30, KB4/60)
 Aluminium (also available in Stainless Steel)
 Hub (KB4/80, KB4/150, KB4/200, KB4/300, KB4/500) Steel (also available in Stainless Steel)

Order Code : KB 4 / 60 - 89 - 12 - 32 - S
 Type / Size Length Ø D1 Ø D2 Options
 (H7) (H7)

Metal Bellows Couplings : KB5 Series

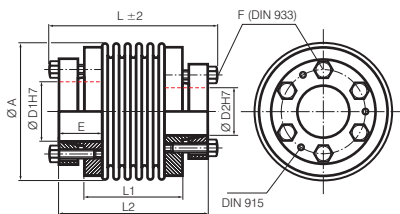


	Torque T _{Kv} (Nm)	Dimensions (mm)							Technical Ratings							
		L Length (±2)	Ø A Outer Ø	D1/D2 Bore Size (H7)	E Hub Length	L1	L2	F Screw (DIN 933) T _A (Nm)	Mass (kg)	Moment of Inertia J (kg m ²)	Spring Stiffness			Misalignment		
											torsional C _r (Nm/rad)	radial C _r (N/mm)	axial C _a (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)
KB5/18	18	63	47	10-18	20	38	56	4xM5	0.36	0.075	20	205	50	0.2	1	1.5
		71				46	64	4.5	0.37	0.078	15	82	36	0.25	1	2
KB5/30	30	53	56	12-20	20	30	46	6xM5	0.4	0.11	38	720	50	0.15	1	1.5
		61				38	54	4.5	0.42	0.12	28	225	25	0.25	1	2
KB5/60	60	62	66	15-25	25	36	54	6xM6	0.77	0.32	75	1150	90	0.15	1	1.5
		73				47	65	8.5	0.79	0.34	50	340	50	0.25	1	2
KB5/80	80	78	82	20-35	30	50	70	6xM6	1.34	1.05	128	1200	80	0.2	1	1.5
		90				62	82	10	1.39	1.11	75	400	50	0.25	1	2
KB5/150	150	78	82	20-35	30	50	70	6xM6	1.36	1.15	155	2020	145	0.2	1	1.5
		90				62	82	15	1.41	1.21	105	595	85	0.25	1	2
KB5/200	200	78	90	20-40	30	50	70	6xM6	1.59	1.39	175	2500	145	0.2	1	1.5
		91				63	83	15	1.66	1.49	120	460	82	0.25	1	2
KB5/300	300	90	110	25-50	37	56	80	6xM8	3.26	4.66	502	6300	280	0.2	1	1.5
		102				67	91	17	3.32	4.81	285	1400	145	0.25	1	2
KB5/500	500	101	122	35-55	40	66	90	6xM8	3.78	6.11	690	7790	100	0.2	1	1.5
		112				77	101	25	3.87	6.38	320	970	85	0.25	1	2
KB5/800	800	170	157	50-70	60	110	150	6xM16 45	9.05	24.05	760	500	185	0.2	1	1.8
KB5/1400	1400	170	157	50-70	60	110	150	6xM16 80	9.15	24.2	1270	700	275	0.2	1	1.8
KB5/3000	3000	206	157	55-75	60	110	150	6xM16 115	9.43	25.7	2810	2945	305	0.2	1	1.5
KB5/5000	5000	206	208	60-90	65	146	186	6xM16 210	19.9	96.7	4810	4915	505	0.2	1	1.5

Material:
Bellows - Stainless Steel
Hub - Steel (also available in Stainless Steel)
Temperature Range: -30°C ~ 120°C

Order Code : KB 5 / 60 - 73 - 20 - 25 - S
Type / Size Length Ø D1 Ø D2 Options
(H7) (H7)

Metal Bellows Couplings : KB6 Series

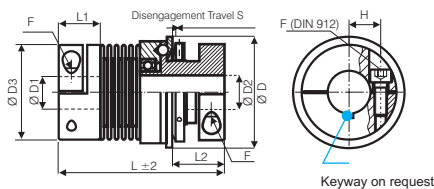


	Torque T _{Kv} (Nm)	Dimensions (mm)							Technical Ratings							
		L Length (±2)	Ø A Outer Ø	D1/D2 Bore Size (H7)	E Hub Length	L1	L2	F Screw (DIN 933) T _A (Nm)	Mass (kg)	Moment of Inertia J (kg m ²)	Spring Stiffness			Misalignment		
											torsional C _r (Nm/rad)	radial C _r (N/mm)	axial C _a (N/mm)	radial DK _r (mm)	axial DK _a (mm)	angular DK _w (°)
KB6/18	18	65	47	8-15	16.5	37	58	4x M5	0.3	0.081	20	205	50	0.2	0.5	1.5
		73				45	66	5.9	0.31	0.084	15	82	36	0.25	0.5	2
KB6/30	30	60	56	12-20	18	31	53	6x M5	0.37	0.13	38	720	50	0.15	0.6	1.5
		68				39	61	5.9	0.39	0.14	28	225	25	0.25	1	2
KB6/60	60	78	66	15-32	25	36	71	6x M5	0.76	0.46	75	1150	90	0.15	0.6	1.5
		89				47	82	8.7	0.79	0.49	50	340	50	0.25	1	2
KB6/80	80	95	82	20-35	31	50	87	6x M6	1.57	1.37	128	1200	80	0.2	0.5	1.5
		107				62	99	15	1.62	1.43	75	400	50	0.25	1	2
KB6/150	150	95	82	20-35	31	50	87	6x M6	1.59	1.39	155	2020	145	0.2	0.5	1.5
		107				62	99	15	1.64	1.45	105	595	85	0.25	1	2
KB6/200	200	95	90	20-42	31	50	87	6x M6	1.6	1.64	175	2500	145	0.2	0.5	1.5
		108				63	100	15	1.67	1.74	120	460	82	0.25	1	2
KB6/300	300	108	110	25-50	34	57	98	6x M8	2.83	4.52	502	6300	280	0.2	0.5	1.5
		120				68	109	25	2.89	4.68	285	1400	145	0.25	1	2
KB6/500	500	122	122	35-55	41	59	112	6x M8	3.89	7.04	690	7790	100	0.2	0.5	1.5
		134				70	123	36	3.98	7.31	320	970	85	0.25	1	2
KB6/800	800	184	157	50-70	50	108	169	6x M12 85	8.87	24.9	760	500	185	0.2	0.8	1.8
KB6/1400	1400	184	157	50-70	50	108	169	6x M12 115	8.92	25.2	1270	700	275	0.2	0.8	1.8
KB6/3000	3000	220	157	55-75	60	146	204	6x M12 125	10.9	30.9	2810	2945	305	0.2	0.8	1.5
KB6/5000	5000	245	208	60-90	55	146	225	6x M16 210	27.7	144.4	4810	4915	505	0.2	0.8	1.5

Keyway acc. DIN 6885 optional
Temperature Range: -30°C ~ 120°C

Order Code : KB 6 / 60 - 78 - 20 - 32 - S
Type / Size Length Ø D1 Ø D2 Options
(H7) (H7)

Metal Bellows Couplings : KBK/BK-7 Series



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 DKr (mm)	axial DKa (mm)	angular DKw (°)
-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	6.8	29	17	0.3	0.6	2
-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	6.8	29	17	0.3	0.6	2
-30	64	85	10	10	56	20	M6	25	22	1.2	9540	0.7	3.2	5	10	38	720	50	0.15	0.6	1.5
		94	25	20			15							15	30	28	225	28	0.25	1	2
-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	50	340	50	0.25	1	2
-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	75	400	50	0.25	0.8	2
-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	105	595	85	0.25	0.8	2
-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	116	460	82	0.25	0.8	2
-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	285	1400	145	0.25	0.8	2
-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	320	970	85	0.25	1	2

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°C ~ 120°C

Order Code :

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

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

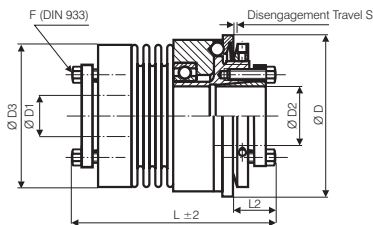
Disengagement Torque

Overload Torque Range

Options

C= Single Position D= Multi Position Engagement

Metal Bellows Couplings : KB6 Series



KBK/BI-x	Dimensions (mm)										Technical Ratings									
	Ø D	L	Ø D1	Ø D2	Ø D3	F	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 933) TA (Nm)								1 TKN (Nm)	2 TKN (Nm)	torsional x10 ³ CT (Nm/rad)	radial Cr (N/mm)	axial Ca (N/mm)	radial DKr (mm)	axial DKa (mm)
-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				1.5								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				6								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				8.5								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				14								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				14								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				14								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				18								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				26								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														

Order Code :

KBK/BI - 60 - 100 - 15H7 - 18H7 - 20Nm - C Or D - 2

Type / Size

Length

Ø D2 (H7)

Ø D2 (H7)

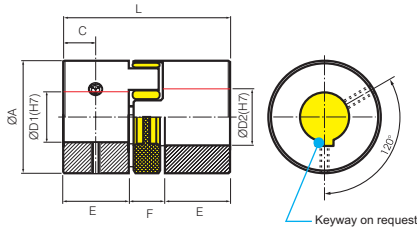
Disengagement Torque

Overload Torque Range

C= Single Position D= Multi Position Engagement

Material: Bellows: Stainless Steel
Hub: Steel (also available in Stainless Steel)
Keyway acc. DIN 6885 optional
Temperature Range: -30°C ~ 120°C

Metal Insert Couplings : KBE-1 Series

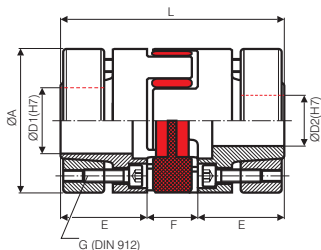


Material:
 Insert (KBE1-7; KBE1-9):
 Polyurethan 92 Sh A (yellow)
 Insert (KBE1-14 bis KBE1-65):
 Polyurethan 98 Sh A (red) Nub: Aluminium

	Dimensions (mm)							Technical Ratings			
	Ø A	L	Ø D1-D2	E	F	C	F	Maximum Speed rpm. (1/min)	Mass (per Hub) (g)	Moment of Inertia J (kg mm ²)	Torque (Nm)
	Outer Ø	Length	Bore Sizes (H7) min - max				Screw (DIN 912) T _A (Nm)				
KBE 1 - 7	14	22	4 - 7	7	8	3.5	M3	34000	3	0.2	1.2
							1.3				
KBE 1 - 9	20	30	6 - 9	10	10	5	M3	24000	9	1.1	3
							1.3				
KBE 1 - 14	30	35	6 - 16	11	13	5	M4	16000	20	5.6	7.5
							3				
KBE 1 - 19	40	66	10 - 24	25	16	10	M5	12000	26	36	10
							6				
KBE 1 - 24	55	78	16 - 28	30	18	10	M5	8500	132	150	35
							6				
KBE 1 - 28	65	90	20 - 38	35	20	15	M6	7200	253	330	160
							11				
KBE 1 - 38	80	114	20 - 45	45	24	15	M8	6000	455	960	325
							25				
KBE 1 - 42	95	126	20 - 55	50	26	20	M8	4800	1850	4900	450
							25				
KBE 1 - 48	105	140	20 - 60	56	28	20	M8	4300	2520	8300	525
							25				
KBE 1 - 55	120	160	25 - 70	65	30	22	M10	3900	3800	15000	685
							45				
KBE 1 - 65	135	185	25 - 75	75	35	22	M10	3500	4500	25000	940
							45				

Order Code : KBE 1 - 14 - 10H7 - 12H7 - S
 Type Size Bore D1(H7) Bore D2(H7) Options

Metal Insert Couplings : KBE-3 Series



Material:
 Insert: Polyurethan 98 Sh A (red)
 Hub: (KBE3-14, KBE3-19, KBE3-24)
 KBE3-28, KBE3-38) Aluminium
 Hub: (KBE3-42, KBE3-48)
 KBE3-55, KBE3-65) Steel

	Dimensions (mm)							Technical Ratings			
	Ø A	L	Ø D1-D2	E	F	G		Maximum Speed rpm. (1/min)	Mass (per Hub) (kg)	Moment of Inertia J (kg mm ²)	Torque (Nm)
	Outer Ø	Total Length	Bore Sizes (H7) von - bis			Screw (DIN 912)	Torque to Tighten Clamps T _A (Nm)				
KBE 3 - 14	30	50	8 - 14	19	13	M3	1.34	25000	0.05	7	12.5
KBE 3 - 19	40	66	10 - 19	25	16	M4	2.9	19000	0.12	31	17
KBE 3 - 24	55	78	19 - 25	30	18	M5	6	14000	0.28	135	60
KBE 3 - 28	65	90	19 - 38	35	20	M5	6	12000	0.45	313	160
KBE 3 - 38	80	114	24 - 38	45	24	M6	10	10000	0.95	960	325
KBE 3 - 42	95	126	28 - 50	50	26	M8	35	8000	2.3	3200	450
KBE 3 - 48	105	140	35 - 60	56	28	M8	35	7000	3.08	5200	525
KBE 3 - 55	120	160	40 - 65	65	30	M10	69	6000	4.67	15000	685
KBE 3 - 65	135	185	45 - 70	75	30	M12	120	5000	6.7	25000	940

Transmissible Torque (Nm) of the Hubs

	Ø Bore (mm)																								
	6	10	11	14	15	16	19	20	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	
KBE 3 - 14	8.6	13.8	14.7	22.7																					
KBE 3 - 19		41	45	62	68	67	83	90																	
KBE 3 - 24			48	67	74	72	90	97	112	120	143														
KBE 3 - 28					142	154	189	188	237	250	280	307	310	353	389										
KBE 3 - 38							269	337	356	398	436	424	501	533	572	585	644								
KBE 3 - 42								399	445		506	470	566	581	647	630	728	836	858						
KBE 3 - 48											775	819	955	999	1092	1091	1230	1381	1334	1540					
KBE 3 - 55													918	954	1052	1040	1185	1220	1318	1359	1646	1662	1960		
KBE 3 - 65																	1568	1569	1768	1833	1968	2049	2438	2495	2898

Order Code : KBE 3 - 48 - 40H7 - 35H7 - S
 Type Size Bore D1(H7) Bore D2(H7) Options