Miniature Couplings
Bellows Couplings
Servo Insert Couplings
Line Shafts

KBK Antriebstechnik GmbH   +49(9372) 134450

Votre distributeur France :   http://vicatronic.fr   contact@vicatronic.fr   Tél : +33 (0) 248 566 335

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.

Qualitäts · Management · System
EXCC ZERT
DIN EN ISO 9001

CONTENTS

MINIATURE COUPLINGS

KB1/05~100

Miniature Metal Bellows Couplings
with Set Screws

Page 5

KB2/1~100

Miniature Metal Bellows Couplings
with Collet Clamps

Page 6

KB2H/5~100

Miniature Metal Bellows Couplings
with Split Hubs

Page 7

KB2VA/1~100

Miniature Metal Bellows Couplings
with Collet Clamps in Stainless Steel

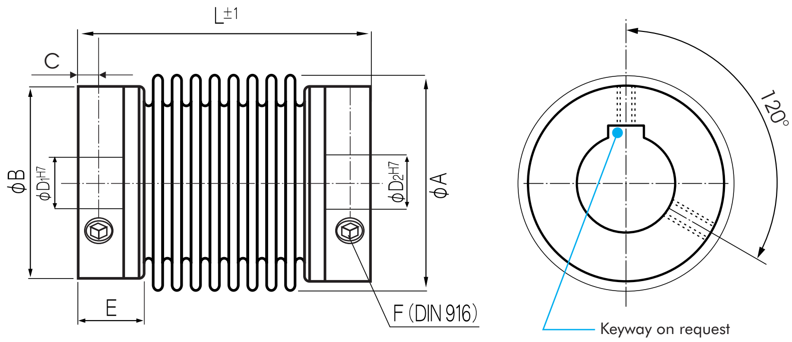
Page 8

KB3/5~100

Miniature Metal Bellows Couplings
with Expanding Clamps

Page 9

Miniature Metal Bellows Coupling



Order Code: KB 1 / 45 - 40 - 10 - 18 (- S)

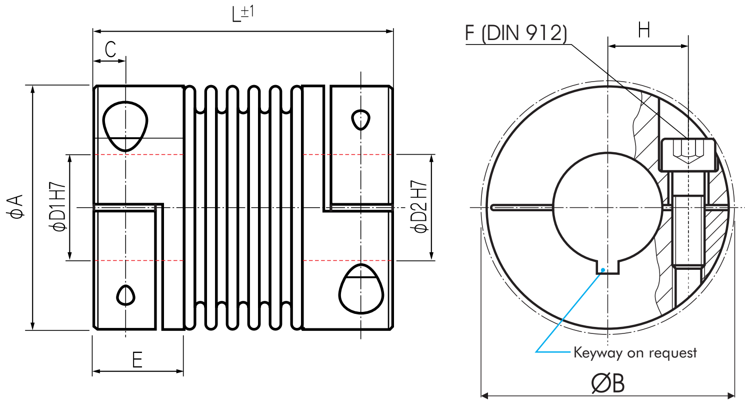
Type / Size — Length L — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque T_{KN} (Nm)	L Length (±1)	Ø A Outer Ø	D_1/D_2 Bohre 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 torsional C_T (Nm/rad)	Spring Stiffness radial C_R (N/mm)	Spring Stiffness axial C_A (N/mm)	Misalignment radial ΔK_r (mm)	Misalignment axial ΔK_a (mm)	Misalignment angular ΔK_w (°)
KB1/05	0.05	14	6.5	1-3	6.5	1.5	4	1x M2 0.35	1	0.1	50	6	9	0.1	0.4	1
KB1/1	0.1	23	10	1-4	10	2	6	1x M3 0.5	3	0.45	65	10	14	0.12	0.2	1.2
KB1/5	0.5	19	15	3-8	13.5	2	6	1x M3	4	1.3	260	43	13	0.1	0.2	1
		23							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
KB1/10	1	21	15	3-8	13.5	2	6	1x M3	5.5	1.8	510	74	27	0.1	0.2	1
		25							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
KB1/15	1.5	26	19	3-12	19	3	8	2x M4	10	6	750	59	15	0.1	0.3	1.5
		30						1.5	12	7.4	700	20	9	0.15	0.4	2
KB1/20	2	22	24	3-14	21.5	3	6	2x M4	11	9.2	1500	67	12	0.15	0.3	1.5
		28							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
KB1/45	4.5	40	32	6-19	29	4	12	2x M6	44	68	6500	168	32	0.1	0.3	1.5
		48						3	50	79	4200	41	20	0.2	0.5	2
KB1/100	10	45	40	6-24	36	4	12	2x M6	60	150	8100	120	27	0.15	0.4	1.5
		55						3	79	210	6800	29	17	0.3	0.6	2

- **Speed:** max. 15000 min^{-1}
- **Hub:** Bore Tolerance: H7 Keyway acc. DIN 6885 optional
- **Material:** Bellows - Stainless Steel, Size 05: Bronze
  Hub - Aluminium (also available in Stainless Steel)
- **Temperature Range:** -30° ~ 120° C

Miniature Metal Bellows Coupling

with Collet Clamps



Order Code: KB 2 / 45 - 50 - 10 - 16 (- S)

Type / Size — Length L — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)								Technical Ratings							
		L	Ø A	D1/D2	H	C	Ø B	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment		
	T_{KN} (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max			Max. Ø	Hub-length	Screw (DIN 912) T_A (Nm)	(g)	J (g cm²)	torsional 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 (°)
KB2/1	0.1	25	10	1-4	3.4	2	11	7	M1.6 / 0.1	3	0.5	65	10	14	0.12	0.2	1.2
KB2/5	0.5	21	15.5	3-8	5.2	2.5	17.5	8	M2	7.5	2.7	260	43	13	0.1	0.2	1
		25								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
KB2/10	1	23	15.5	3-8	5.2	2.5	17.5	8	M2	9	3.1	510	74	27	0.1	0.2	1
		26								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
KB2/15	1.5	26	20	3-10	7	3	21	9	M2.5	13	8	750	59	15	0.1	0.3	1.5
		31							0.85	15	9.3	700	20	9	0.15	0.4	2
KB2/20	2	32	25	3-14	9	3.5	27	11	M3	29	24	1500	67	12	0.15	0.3	1.5
		38								32	27	1300	21	11	0.2	0.4	1.5
		42							2	33	29	1050	11	9	0.25	0.5	2
KB2/45	4.5	41	32.5	6-16	12	5	34	14	M4	61	100	6500	168	32	0.1	0.3	1.5
		50							3.5	67	112	4200	41	20	0.2	0.5	2
KB2/100	10	47	40.5	6-25	15.5	5	41.5	14	M4	86	233	8100	120	27	0.15	0.4	1.5
		57							4.5	106	290	6800	29	17	0.3	0.6	2

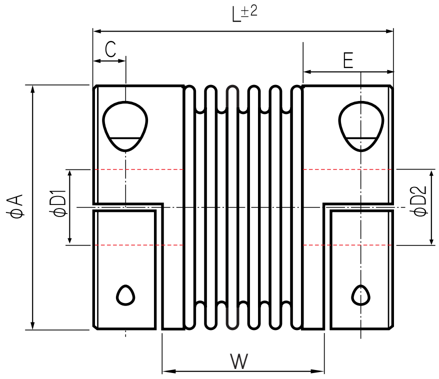
Speed: max. 15000 min^{-1}

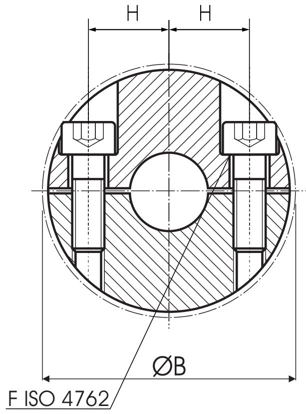
Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

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

Temperature Range: -30° ~ 120° C

Miniature Metal Bellows Coupling with Split Hubs





Order Code: KB 2H / 45 - 50 - 10 - 16 (- S)

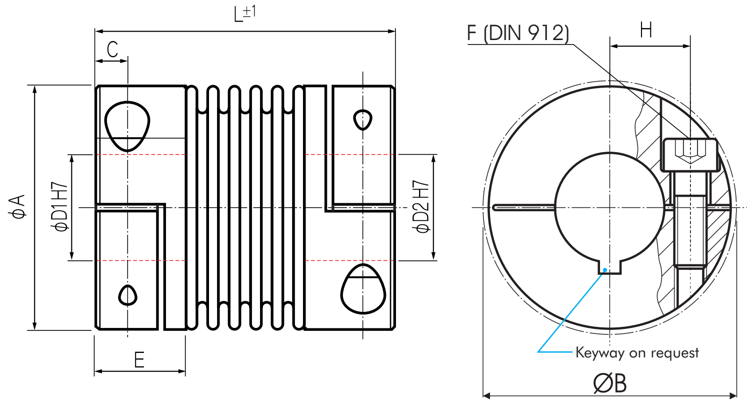
Type / Size — Length L — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)									Technical Ratings							
		L	Ø A	D1/D2	H	C	ØB	E	W	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment		
	T_{KN} (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max						Screw (DIN 912) T_A (Nm)	(g)	J (g cm²)	torsional 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 (°)
KB2H/5	0.5	21	15.5	3-8	5.2	2.5	17.5	8	12	M2	7.5	2.7	260	43	13	0.1	0.2	1
		25							16	0.43	7.8	2.8	200	18	10	0.15	0.3	1.5
		28							19		8.2	3	160	9	8	0.2	0.4	2
KB2H/10	1	23	15.5	3-8	5.2	2.5	17.5	8	14	M2	9	3.1	510	74	27	0.1	0.2	1
		26							17	0.43	9.3	3.4	380	31	20	0.15	0.3	1.5
		31							22		10	3.7	310	16	16	0.2	0.4	2
KB2H/15	1.5	26	20	3-10	7	3	21	9	14.4	M2.5	13	8	750	59	15	0.1	0.3	1.5
		31							19.4	0.85	15	9.3	700	20	9	0.15	0.4	2
KB2H/20	2	32	25	3-14	9	3.5	27	11	18.4	M3	29	24	1500	67	12	0.15	0.3	1.5
		38							24.4	2	32	27	1300	21	11	0.2	0.4	1.5
		42							28.4		33	29	1050	11	9	0.25	0.5	2
KB2H/45	4.5	41	32.5	6-16	12	5	34	14	24	M4	61	100	6500	168	32	0.1	0.3	1.5
		50							33	3.5	67	112	4200	41	20	0.2	0.5	2
KB2H/100	10	48	40.5	6-25	15.5	5	41.5	14	30	M4	86	233	8100	120	27	0.15	0.4	1.5
		57							39	4.5	106	290	6800	29	17	0.3	0.6	2

- Speed: max. 15000 min^{-1}
- Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional
- Material: Bellows - Stainless Steel; Hub - Aluminium
- Temperature Range: -30° ~ 120° C

Miniature Metal Bellows Coupling Stainless Steel

with Collet Clamps



Order Code: KB 2 / 45 - 55 - 10 - 16 - VA/VAW

Type / Size — Length L — Ø D1 (H7) — Ø D2 (H7) — VAW: Stainless Steel laser-beam-welded; VA: Stainless Steel glued

VA/VAW	Torque T_{KN} (Nm)	L Length (±1)	Ø A Outer Ø	D_1/D_2 Bore Sizes (H7) min ~ max	H	C	Ø B Max Ø	E Hub-length	F Screw (DIN 912)	Mass	Moment of Inertia J	Spring Stiffness: torsial C_T	Spring Stiffness: radial C_R	Spring Stiffness: axial C_A	Misalignment: radial ΔK_r	Misalignment: axial ΔK_a	Misalignment: angular ΔK_w
KB2/1	0.1	25	10	1-4	3.4	2	11	7	M1.6 / 0.1	7	1	65	10	14	0.12	0.2	1.2
KB2/5	0.5	21	15.5	3-8	5.2	2.5	17.5	8	M2	18	5.9	260	43	13	0.1	0.2	1
		25							0.43	18	6.2	200	18	10	0.15	0.3	1.5
		28								19	6.6	160	9	8	0.2	0.4	2
KB2/10	1	23	15.5	3-8	5.2	2.5	17.5	8	M2	19	6.8	510	74	27	0.1	0.2	1
		26							0.43	20	7.5	380	31	20	0.15	0.3	1.5
		31								21	8.1	310	16	16	0.2	0.4	2
KB2/15	1.5	26	20	3-10	7	3	21	9	M2.5	36	18	750	59	15	0.1	0.3	1.5
		31							0.85	38	21	700	20	9	0.15	0.4	2
KB2/20	2	32	25	3-14	9	3.5	18	11	M3	70	53	1500	67	12	0.15	0.3	1.5
		38							2	73	60	1300	21	11	0.2	0.4	1.5
		42								75	64	1050	11	9	0.25	0.5	2
KB2/45	4.5	41	32.5	6-16	11.5	5	34	14	M4	133	220	6500	168	32	0.1	0.3	1.5
		50						14	3.5	139	246	4200	41	20	0.2	0.5	2
KB2/100	10	47	40.5	6-25	15.5	5	41.5	14	M4	244	513	8100	120	27	0.15	0.4	1.5
		57						14	4.5	261	638	6800	29	17	0.3	0.6	2

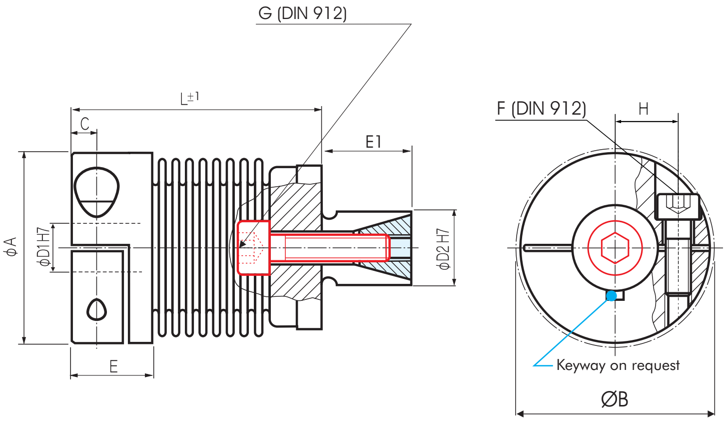
Material: Bellows - Stainless Steel
Hubs - Stainless Steel

Temperature Range: VA -30° ~ 120° (glued)
VAW -30° ~ 250° (laser-beam-welded)

Version VA: Stainless Steel glued
Version VAW: Stainless Steel laser-beam-welded

Keyway acc. DIN 6885 optional

Miniature Metal Bellows Coupling



Order Code: KB 3 / 45 - 36 - 10 - 18 (- S)

Type / Size — Length L — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)										Technical Ratings							
		L	Ø A	D1	D2	Ø B	H	C	E	E1	F/G	Mass	Moment of Inertia	Spring Stiffness			Misalignment		
	T_{KN} (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max	Bore Size (H7)	Max. Ø					Screw (DIN 912) T_A (Nm)	(g)	J (g cm²)	torsional C_T (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
KB3/5	0.5	20	15.5	3-8	8-12	17,5	5.2	2.5	8	8	M2/M3	12.8	2.9	260	43	13	0.1	0.2	1
		24									0.3/1	13.2	3.1	200	18	10	0.15	0.3	1.5
		27										13.5	3.2	160	9	8	0.2	0.4	2
KB3/10	1	22	15.5	3-8	8-12	17,5	5.2	2.5	8	8	M2/M3	14.1	3.3	510	74	27	0.1	0.2	1
		26									0.3/1	14.6	3.4	380	31	20	0.15	0.3	1.5
		30										15.3	3.6	310	16	16	0.2	0.4	2
KB3/15	1.5	25	20	3-10	10-14	21	7	3	9	12	M2.5/M4	27.2	11	750	59	15	0.1	0.3	1.5
		29									0.8/3	29.3	12	700	20	9	0.15	0.4	2
KB3/20	2	28	25	3-14	10-16	27	9	3.5	11	12	M3/M4	40.1	25	1500	67	12	0.15	0.3	1.5
		34									1/3	43.2	29	1300	21	11	0.2	0.4	1.5
		38										49.1	30	1050	11	9	0.25	0.5	2
KB3/45	4.5	36	32.5	6-16	14-20	34	12	5	14	16	M4/M5	86.5	98	6500	168	32	0.1	0.3	1.5
		44									3/5.9	92.9	110	4200	41	20	0.2	0.5	2
KB3/100	10	41	40.5	6-25	16-22	41,5	15.5	5	14	20	M4/M6	135	235	8100	120	27	0.15	0.4	1.5
		51									3/10	154	292	6800	29	17	0.3	0.6	2

- 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° C

BELLOWS COUPLINGS

KB4/18~1400

Bellows Couplings
with Collet Clamps

Page11

KB4H/18~500

Bellows Couplings
with Split Hubs

Page 12

KB4AL/80~500

Bellows Couplings
with Aluminium Collet Clamps

Page 13

KB4C/18~500

Bellows Couplings Compact Version
with Collet Clamps

Page 14

KB4HC/18~500

Bellows Couplings Compact Version
with Split Hubs

Page 15

KB4F/18~1400

Bellows Couplings
with Flange Adaptor

Page 16

KB4VA/18~500

Bellows Couplings
Stainless Steel glued or welded

Page 17

KB5/18~5000

Bellows Couplings
with Inner Conical Hubs

Page 18

KB6/18~5000

Bellows Couplings
with Outer Conical Hubs

Page 19

KB7/18~5000

Bellows Couplings
for Flange Mounting

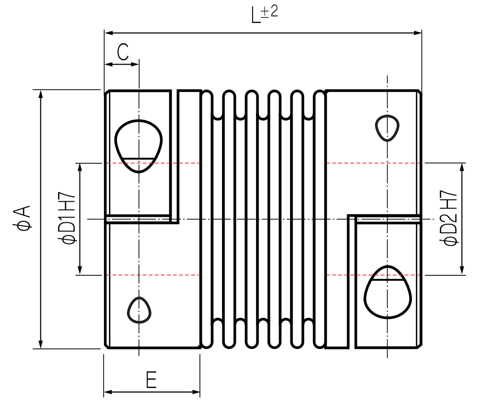
Page 20

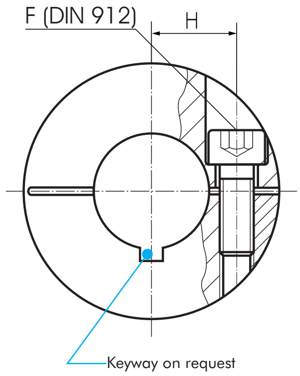
KB8/18~300

Bellows Couplings
with Expanding Clamp

Page 21

Bellows Couplings





Order Code: KB 4 / 60 - 89 - 12 - 32 (- S)

Type / Size · Length · Ø D1 (H7) · Ø D2 (H7) · Options

Type	Torque T_{KN} (Nm)	L 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 (g m²)	Spring Stiffness torsional C_T 10^3 (Nm/rad)	Spring Stiffness radial C_R (N/mm)	Spring Stiffness axial C_A (N/mm)	Misalignment radial ΔK_r (mm)	Misalignment axial ΔK_a (mm)	Misalignment angular ΔK_w (°)	max Speed rpm
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						8	0.15	0.05	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	1	2	10300
KB4/60	60	79	66	12-35	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	1	2	8700
KB4/80	80	91	82	14-44	28	11	33.5	M10	2.3	2.3	128	1200	80	0.2	0.5	1.5	6900
		102						72	2.4	2.4	75	400	50	0.25	0.8	2	6900
KB4/150	150	91	82	19-44	28	11	33.5	M10	2.3	2.5	155	2020	145	0.2	0.5	1.5	6900
		102						84	2.4	2.6	105	595	85	0.25	0.5	2	6900
KB4/200	200	101	90	22-48	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	0.8	2	6400
KB4/300	300	105	110	30-60	40	13	38	M12	4.3	7.6	502	6300	280	0.2	0.5	1.5	6000
		116						145	4.4	7.8	285	1400	145	0.25	0.8	2	6000
KB4/500	500	112	122	35-70	42	15	42	M12	5.5	13.5	690	7790	100	0.2	0.5	1.5	5000
		123						145	5.6	13.7	320	970	85	0.25	1	2	5000
KB4/800	800	168	157	40-80	55	22.5	55	2M20	9	35	1270	700	275	0.2	0.8	1.8	5000
								400									
KB4/1400	1400	168	157	50-80	55	22.5	55	2M20	10	36	1270	700	275	0.2	0.8	1.8	5000
								470									

Bellows: Stainless Steel

Material-Hubs:

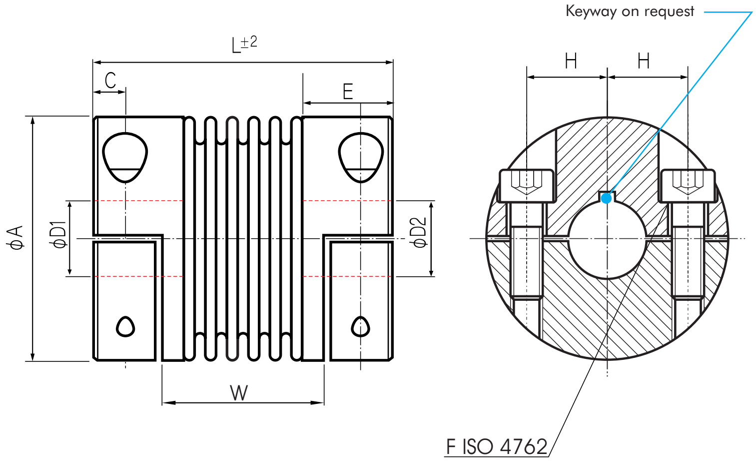
Size	Standard	Options
18 - 60	Aluminium	Stainless Steel
80 - 500	Steel	Aluminium, Stainless Steel
800 - 1400	Steel	Stainless Steel

Temperature Range: -30°C ~ 120°C
Size 800/1400: -30°C ~ 250°C

KB4H/18~500

Bellows Couplings

with Split Hubs



Order Code: KB 4H / 60 - 83 - 20 - 20 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

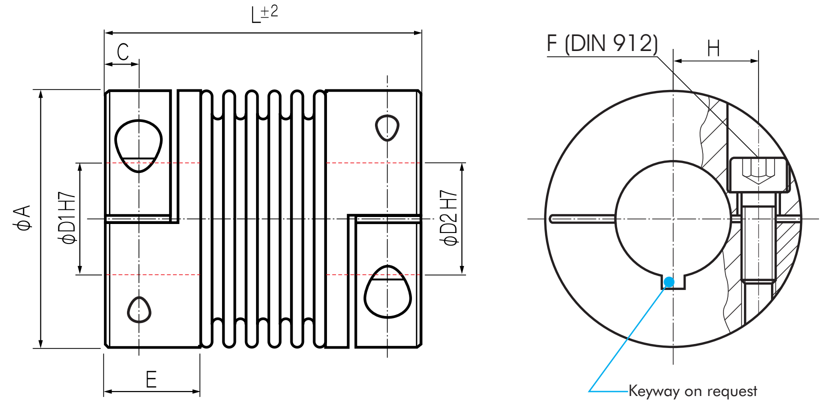
	Torque	Dimensions (mm)								Technical Ratings								
		L	Ø A	D1/D2	H	C	E	W	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	rpm
KB4H/18	18	63	45	10-25.4	17	5.5	19.5	37	M5	0.1	0.04	20	205	50	0.2	0.5	1.5	12800
		71						45	8	0.15	0.05	15	82	36	0.25	0.5	2	12800
KB4H/30	30	69	56	10-30	20	7.5	27	35	M6	0.3	0.14	38	720	50	0.15	0.6	1.5	10300
		77						43	15	0.32	0.15	28	225	28	0.25	1	2	10300
KB4H/60	60	83	66	12-35	23	9.5	31	41	M8	0.5	0.28	75	1150	90	0.15	0.6	1.5	8700
		93						51	40	0.6	0.29	50	340	50	0.25	1	2	8700
KB4H/80	80	94	82	12-44	28	11	36	47	M10	0.9	0.65	128	1200	80	0.2	0.5	1.5	6900
		106						59	72	0.95	0.67	75	400	50	0.25	0.8	2	6900
KB4H/150	150	95	82	14-44	28	11	36	48	M10	0.9	0.82	155	2020	145	0.2	0.5	1.5	6900
		107						60	84	0.95	0.86	105	595	85	0.25	0.5	2	6900
KB4H/200	200	105	90	16-48	31	12.5	41	51	M12	1.3	2.2	175	2500	145	0.2	0.5	1.5	6400
		117						63	125	1.35	2.7	120	460	82	0.25	0.8	2	6400
KB4H/300	300	111	110	20-60	39	13	43	55	M12	1.8	4.2	502	6300	280	0.2	0.5	1.5	6000
		125						69	145	1.85	5.2	285	1400	145	0.25	0.8	2	6000
KB4H/500	500	133	122	25-65	42	15	51	62	M12	2.505	8.6	690	7790	100	0.2	0.5	1.5	5000
		146						75	145	2.51	9.3	320	970	85	0.25	1	2	5000

Material: Bellows - Stainless Steel
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

KB4AL/80~500

Bellows Couplings



Order Code: KB 4AL / 80 - 91 - 15 - 20 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D_1/D_2	H	C	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)	rpm
KB4AL/80	80	91	82	12-44	28	11	33.5	M10	0.8	0.90	128	1200	80	0.2	0.5	1.5	6900
		102						72	0.85	0.95	75	400	50	0.25	0.8	2	6900
KB4AL/150	150	91	82	14-44	28	11	33.5	M10	0.9	1.0	155	2020	145	0.2	0.5	1.5	6900
		102						84	0.95	1.05	105	595	85	0.25	0.5	2	6900
KB4AL/200	200	101	90	16-48	31	13	38	M12	1.17	1.49	175	2500	145	0.2	0.5	1.5	6400
		113						125	1.21	1.57	120	460	82	0.25	0.8	2	6400
KB4AL/300	300	105	110	20-60	40	13	38	M12	1.62	3.28	502	6300	280	0.2	0.5	1.5	6000
		116						145	1.66	3.37	285	1400	145	0.25	0.8	2	6000
KB4AL/500	500	112	122	25-65	42	15	42	M12	2.4	6.4	690	7790	100	0.2	0.5	1.5	5000
		123						145	2.5	6.7	320	970	85	0.25	1.0	2	5000

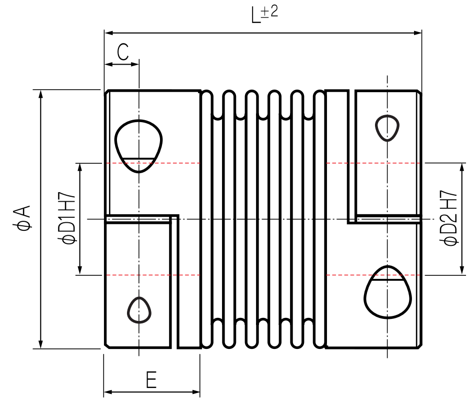
Aluminium Collet Clamps reduce mass and moment of inertia.

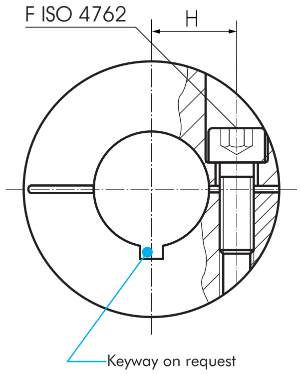
Material: Bellows - Stainless Steel
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

Bellows Couplings - Compact Version

with Collet Clamps





Order Code: KB 4C / 60 - 67 - 12 - 32 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D_1/D_2	H	C	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)	rpm
KB4C/18	18	58	45	10-25.4	17	5.5	17.5	M5	0.07	0.03	20	205	50	0.2	0.5	1.5	12800
		66						8	0.12	0.04	15	82	36	0.25	0.5	2	12800
KB4C/30	30	58	56	10-30	20	7.3	21	M6	0.26	0.13	38	720	50	0.15	0.6	1.5	10300
		66						15	0.27	0.14	28	225	28	0.25	1	2	10300
KB4C/60	60	67	66	12-35	24	8.6	24	M8	0.38	0.28	75	1150	90	0.15	0.6	1.5	8700
		77						40	0.42	0.31	50	340	50	0.25	1	2	8700
KB4C/80	80	78	82	12-44	28	9.8	27	M10	0.70	0.78	128	1200	80	0.2	0.5	1.5	6900
		89						72	0.76	0.85	75	400	50	0.25	0.8	2	6900
KB4C/150	150	78	82	14-44	28	9.8	27	M10	0.73	0.82	155	2020	145	0.2	0.5	1.5	6900
		89						84	0.80	0.89	105	595	85	0.25	0.5	2	6900
KB4C/200	200	83	90	16-48	31	10.8	29	M12	0.89	1.19	175	2500	145	0.2	0.5	1.5	6400
		94						125	0.95	1.27	120	460	82	0.25	0.8	2	6400
KB4C/300	300	94	110	20-60	39	11.8	32.5	M12	1.37	2.74	502	6300	280	0.2	0.5	1.5	6000
		105						145	1.43	2.86	285	1400	145	0.25	0.8	2	6000
KB4C/500	500	100	122	25-70	45	13.3	36	M12	1.81	4.45	690	7790	100	0.2	0.5	1.5	5000
		111						145	1.91	4.69	320	970	85	0.25	1	2	5000

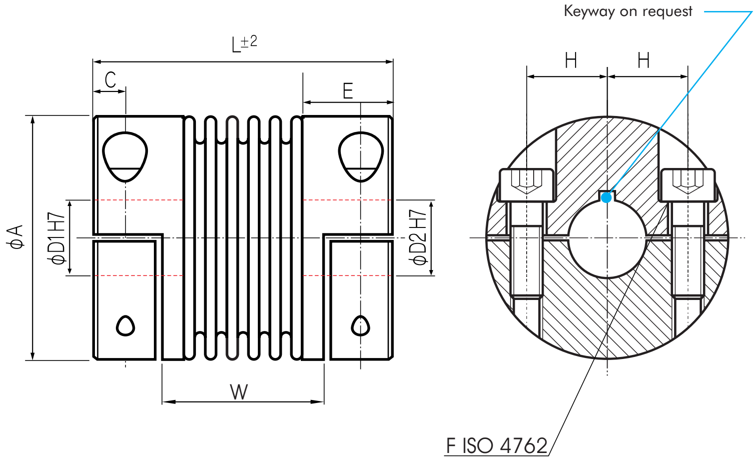
Material: Bellows - Stainless Steel
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

KB4HC/18~500

Bellows Couplings - Compact Version

with Split Hubs



Order Code: KB 4HC / 60 - 67 - 20 - 20 (- S)

Type / Size · Length · Ø D1 (H7) · Ø D2 (H7) · Options

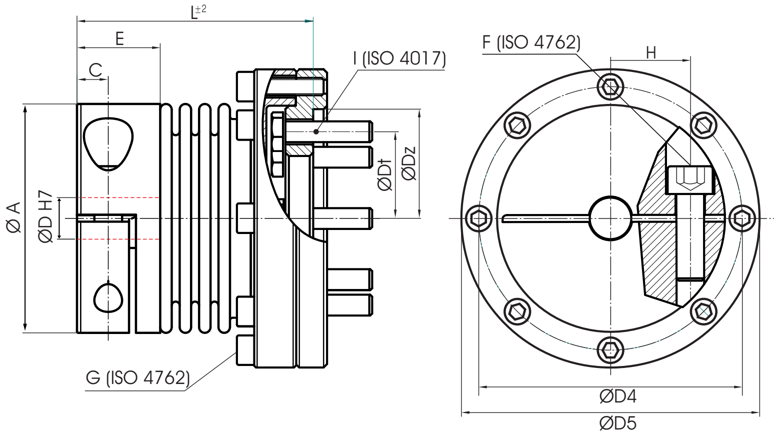
	Torque	Dimensions (mm)								Technical Ratings								
		L	Ø A	D_1/D_2	H	C	E	W	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	min^{-1}
KB4HC/18	18	58	45	10-25.4	17	5.5	17.5	37	M5	0.07	0.03	20	205	50	0.2	0.5	1.5	12800
		66						45	8	0.12	0.04	15	82	36	0.25	0.5	2	12800
KB4HC/30	30	58	56	10-30	20	7.3	21	35	M6	0.26	0.13	38	720	50	0.15	0.6	1.5	10300
		66						43	15	0.27	0.14	28	225	28	0.25	1	2	10300
KB4HC/60	60	67	66	12-35	23	8.6	24	41	M8	0.38	0.28	75	1150	90	0.15	0.6	1.5	8700
		77						51	40	0.42	0.31	50	340	50	0.25	1	2	8700
KB4HC/80	80	78	82	12-44	28	9.8	27	47	M10	0.70	0.78	128	1200	80	0.2	0.5	1.5	6900
		89						59	72	0.76	0.85	75	400	50	0.25	0.8	2	6900
KB4HC/150	150	78	82	14-44	28	9.8	27	48	M10	0.73	0.82	155	2020	145	0.2	0.5	1.5	6900
		89						60	84	0.80	0.89	105	595	85	0.25	0.5	2	6900
KB4HC/200	200	83	90	16-48	31	10.8	29	51	M12	0.89	1.19	175	2500	145	0.2	0.5	1.5	6400
		94						63	125	0.95	1.27	120	460	82	0.25	0.8	2	6400
KB4HC/300	300	94	110	20-60	39	11.8	32.5	55	M12	1.37	2.74	502	6300	280	0.2	0.5	1.5	6000
		105						69	145	1.43	2.86	285	1400	145	0.25	0.8	2	6000
KB4HC/500	500	100	122	25-70	45	13.3	36	62	M12	1.81	4.45	690	7790	100	0.2	0.5	1.5	5000
		111						75	145	1.91	4.69	320	970	85	0.25	1	2	5000

Material: Bellows - Stainless Steel
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

Bellows Couplings

with Flange Adaptor



Order Code: KB 4F / 150 - 79 - 30 - 63

Type / Size — Length — Ø D1 (H7) — Pitch Circle

	Torque T_{KN} (Nm)	Dimensions (mm) L Length (±2)	Ø A Outer Ø	D1 Bore Sizes (H7)	H	C	E	D4	F/G Screw (DIN 912) T_A (Nm)	Technical Ratings Mass (kg)	Moment of Inertia J (g m²)	Spring Stiffness torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	Misalignment radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	max Speed min^{-1}
KB4F/18	18	61	45	10-25.4	17	5.5	17.5	56.5	M5	0.50	0.15	20	205	50	0.2	0.5	1.5	12800
		69							8	0.52	0.16	15	82	36	0.25	0.5	2	
KB4F/30	30	61	56	10-30	20	7.3	21	65	M6	0.70	0.20	38	720	50	0.15	0.6	1.5	10300
		69							15	0.72	0.21	28	225	28	0.25	1.0	2	
KB4F/60	60	68	66	12-35	23	8.6	24	76	M8	1.00	0.65	75	1150	90	0.15	0.6	1.5	8700
		78							40	1.05	0.68	50	340	50	0.25	1.0	2	
KB4F/150	150	79	82	14-42	28	9.8	27	94	M10	1.65	1.30	155	2020	145	0.2	0.5	1.5	6900
		90							84	1.75	1.37	105	595	85	0.25	0.5	2	
KB4F/300	300	90	110	30-60	39	11.8	32.5	120	M12	2.90	5.50	502	6300	280	0.2	0.5	1.5	6000
		101							145	3.00	5.62	285	1400	145	0.25	0.8	2	
KB4F/500	500	100	122	35-70	45	13.3	36	142	M12	4.55	9.00	690	7790	100	0.2	0.5	1.5	5000
		111							145	4.70	9.15	320	970	85	0.25	1	2	
KB4F/1400	1400	140	157	50-80	55	22.5	55	171	2xM20	10.50	45	1270	700	275	0.2	0.8	1.8	5000
									470									

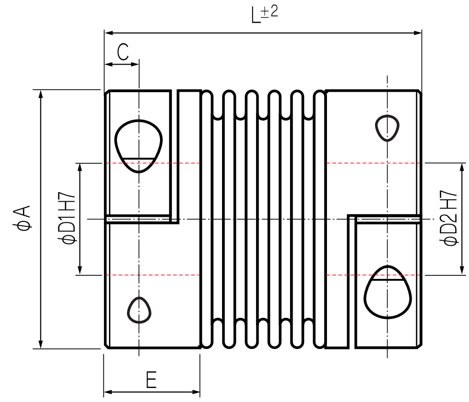
Material: Bellows - Stainless Steel
Nubs - to Size 500 Aluminium,
Size 1400 Steel

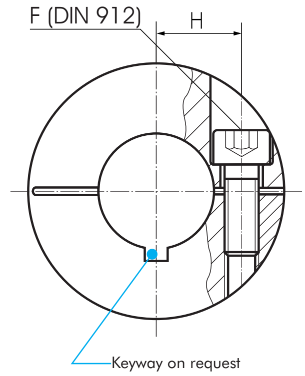
Temperature Range: -30°C ~ 120°C

	Dimensions (mm) G Screw (ISO4762)	D5	Dt	Dz	I Screw (ISO4017)
KB4F/18	8 x M4	63.5	31.5	40	8 x M5
KB4F/30	8 x M5	74	40	50	8 x M6
KB4F/60	8 x M5	86	50	63	8 x M6
KB4F/150	8 x M6	104	63	80	12 x M6
KB4F/300	12 x M6	132	80	100	12 x M8
KB4F/500	12 x M8	155	100	130	12 x M10
KB4F/1400	16 x M8	184	125	160	12 x M10

Bellows Couplings in Stainless Steel

with Collet Clamps





Order Code: KB 4 / 60 - 89 - 12 - 32 - VA/VAW

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7)

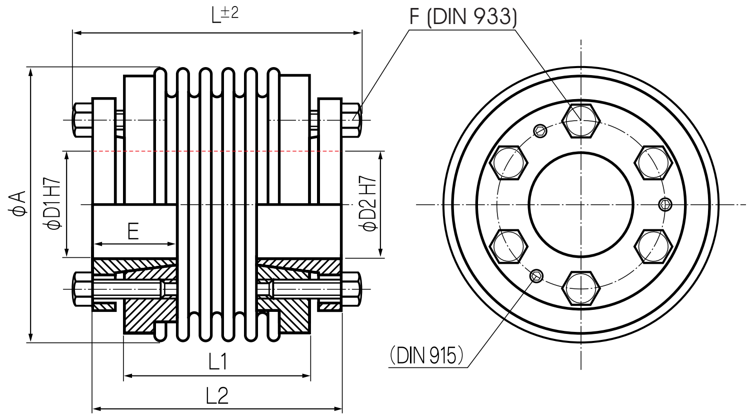
VAW: Stainless Steel laserwelded
VA: Stainless Steel glued

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	H	C	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	rpm
KB4/18	18	63	45	10-25.4	17	5.5	19.5	M5	0.27	0.11	20	205	50	0.2	0.5	1.5	12800
		71						8	0.41	0.14	15	82	36	0.25	0.5	2	12800
KB4/30	30	65	56	10-30	20	7.5	24.5	M6	0.83	0.41	38	720	50	0.15	0.6	1.5	10300
		73						15	0.89	0.44	28	225	28	0.25	1	2	10300
KB4/60	60	79	66	12-35	23	10	29	M8	1.4	0.91	75	1150	90	0.15	0.6	1.5	8700
		89						40	1.7	1.00	50	340	50	0.25	1	2	8700
KB4/80	80	91	82	14-44	28	11	33.5	M10	2.3	2	128	1200	80	0.2	0.5	1.5	6900
		102						72	2.4	2.1	75	400	50	0.25	0.8	2	6900
KB4/150	150	91	82	19-44	28	11	33.5	M10	2.3	2	155	2020	145	0.2	0.5	1.5	6900
		102						84	2.4	2.1	105	595	85	0.25	0.5	2	6900
KB4/200	200	101	90	22-48	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	0.8	2	6400
KB4/300	300	105	110	30-60	40	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	0.8	2	6000
KB4/500	500	112	122	35-70	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	1	2	5000

- Material: Bellows - high tensile Stainless Steel
  Hubs - Stainless Steel
- Temperature Rage: VA -30° ~ 120° (glued)
  VAW -30° ~ 250° (laser-beam-welded)
- Version VA: Stainless Steel glued
  Version VAW: Stainless Steel laser-beam-welded
- Hubs: Keyway acc. DIN 6885 optional

Bellows Couplings

with Inner Conical Hubs



Order Code: KB 5 / 60 - 73 - 20 - 25 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

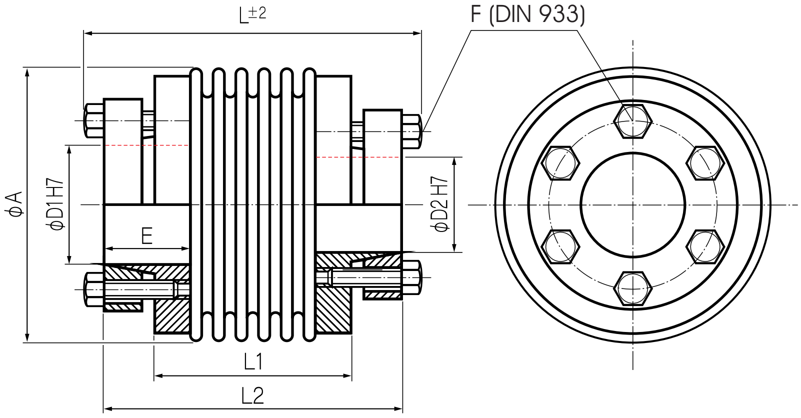
	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	E	L1	L2	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Size (H7)	Hub Length			Screw (DIN 933) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	rpm
KB5/18	18	63	45	10-18	20	38	56	4xM5	0.36	0.075	20	205	50	0.2	0.5	1.5	11500
		71				46	64	4.5	0.37	0.078	15	82	36	0.25	0.5	2	
KB5/30	30	53	56	12-20	20	30	46	6xM5	0.4	0.11	38	720	50	0.15	0.6	1.5	11000
		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	0.6	1.5	9100
		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	0.5	1.5	7000
		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	0.5	1.5	7000
		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	0.5	1.5	6700
		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	0.5	1.5	5200
		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	0.5	1.5	4600
		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	0.8	1.8	3700
KB5/1400	1400	170	157	50-70	60	110	150	6xM16 80	9.15	24.2	1270	700	275	0.2	0.8	1.8	3700
KB5/3000	3000	206	157	55-85	60	150	190	6xM12 85	9.43	25.7	2810	2945	305	0.2	0.8	1.5	2800
KB5/5000	5000	206	208	60-90	65	146	186	6xM16 210	19.9	96.7	4810	4915	505	0.2	0.8	1.5	2800

Material: Bellows - Stainless Steel Hubs - High Tensile Steel (also available in Stainless Steel)

Temperature Range: -30° ~ 120° C

Bellows Couplings

with Outer Conical Hubs



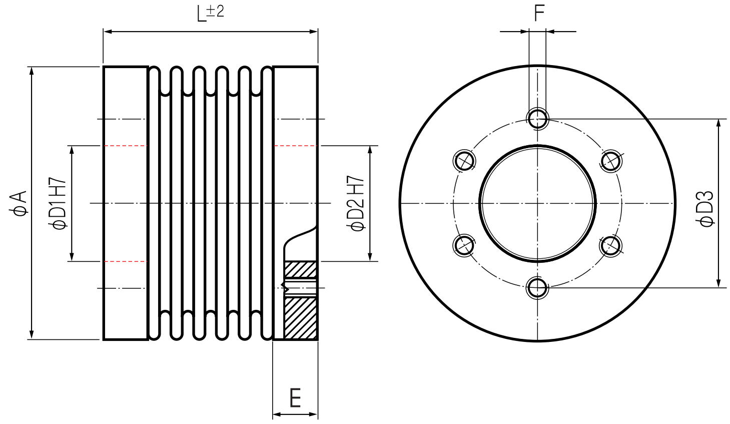
Order Code: KB 6 / 60 - 78 - 20 - 32 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	E	L1	L2	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Size (H7)	Hub Length			Screw (DIN 933) T_A (Nm)	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	rpm
KB6/18	18	65	45	8-15	16.5	37	58	4x M5	0.3	0.081	20	205	50	0.2	0.5	1.5	11500
		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	11000
		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	9100
		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	7000
		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	7000
		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	6700
		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	5200
		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	4600
		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	3700
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	3700
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	2800
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	2800

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

Bellows Couplings



Order Code: KB 7 / 60 - 41 - 38 (- S)

Type / Size — Length — ØD1/ØD2 — Options

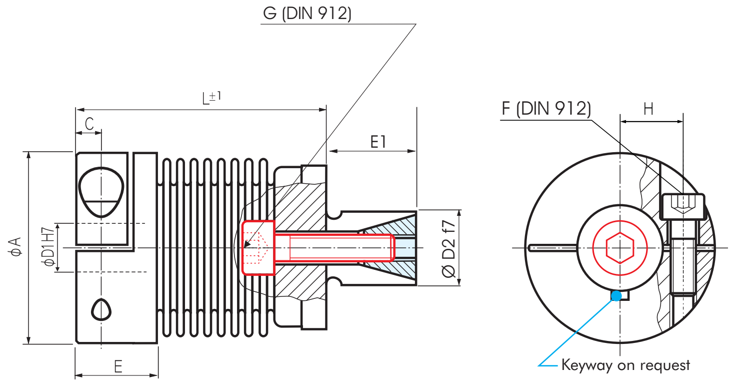
	Torque	Dimensions (mm)						Technical Ratings								
		L	Ø A	Ø D1/D2	Ø D3	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Size (H7)			Thread	(kg)	J (g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	rpm
KB7/18	18	36	45	22	31	6	M5	0.11	0.04	20	205	50	0.2	0.5	1.5	11500
		44						0.115	0.04	15	82	36	0.25	0.5	2	
KB7/30	30	30	56	28	37	7	M5	0.16	0.09	38	720	50	0.15	0.6	1.5	11000
		38						0.17	0.09	28	225	25	0.25	1	2	
KB7/60	60	41	66	38	46	10.5	M6	0.33	0.25	75	1150	90	0.15	0.6	1.5	9100
		51						0.37	0.29	50	340	50	0.25	1	2	
KB7/80	80	50	82	50	62	13	M6	0.69	0.83	128	1200	80	0.2	0.5	1.5	7000
		62						0.75	0.92	75	400	50	0.25	1	2	
KB7/150	150	50	82	50	62	13	M6	0.69	0.83	155	2020	145	0.2	0.5	1.5	7000
		62						0.75	0.92	105	595	85	0.25	1	2	
KB7/200	200	50	90	50	62	13	M6	0.74	1.0	175	2500	145	0.2	0.5	1.5	6700
		63						0.80	1.1	120	460	82	0.25	1	2	
KB7/300	300	55	110	65	80	13	M8	1.18	2.5	502	6300	280	0.2	0.5	1.5	5200
		66						1.24	2.7	285	1400	145	0.25	1	2	
KB7/500	500	61	122	70	94	16	M8	1.95	5.0	690	7790	100	0.2	0.5	1.5	4600
		72						2.05	5.3	320	970	85	0.25	1	2	
KB7/800	800	131	157	85	110	23	M16	3.55	15	760	500	185	0.2	0.8	1.8	3700
KB7/1400	1400	131	157	85	110	23	M16	3.55	15	1270	700	275	0.2	0.8	1.8	3700
KB7/3000	3000	131	157	85	110	23	M16	3.70	16	2810	2945	305	0.2	0.8	1.5	2800
KB7/5000	5000	146	208	100	130	36.5	M16	8.22	61	4810	4915	505	0.2	0.8	1.5	2800

Material: Bellows - Stainless Steel Hubs - High Tensile Steel (also available in Stainless Steel)

Temperature Range: -30° ~ 120° C

Bellows Couplings

with Expanding Clamp



Order Code: KB 8 / 30 - 53 - 15 - 20 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque T_{KN} (Nm)	L Length (±1)	Ø A Outer Ø	D1 Bore Size (H7) min ~ max	D2 Expanding Clamp min ~ max	H	C	E	E1	F/G Screw (DIN 912) T_A (Nm)	Mass (kg)	Moment of Inertia J (g m²)	Spring Stiffness torsional C_T 10^3 (Nm/rad)	Spring Stiffness radial C_R (N/mm)	Spring Stiffness axial C_A (N/mm)	Misalignment radial ΔKr (mm)	Misalignment axial ΔKa (mm)	Misalignment angular ΔKw (°)	Speed (rpm)
KB8/18	18	45	45	10-25.4	13-25	17	5.5	19.5	20	M5	0.14	0.04	20	205	50	0.2	0.5	1.5	12800
		52								8	0.15	0.05	15	82	35	0.25	0.5	2	12800
KB8/30	30	53	56	10-30	14-30	20	7.5	24.5	25	M6	0.30	0.15	38	720	50	0.15	0.6	1.5	10300
		61								15	0.31	0.16	28	225	28	0.25	1.0	2	10300
KB8/60	60	62	66	12-35	23-38	23	10	29	27	M8	0.40	0.28	128	1150	90	0.15	0.6	1.5	8700
		72								40	0.42	0.31	75	340	50	0.25	1.0	2	8700
KB8/150	150	71	82	14-44	26,42	28	11	33.5	32	M10	0.80	0.90	155	2020	145	0.2	0.5	1.5	6900
		83								84	0.85	0.95	105	595	85	0.25	0.5	2	6900
KB8/300	300	84	110	20-60	38-60	39	13	38	45	M12	1.62	3.28	502	6300	280	0.2	0.5	1.5	6000
		98								145	1.66	3.37	285	1400	145	0.25	0.8	2	6000

Dimensions (mm): L to F/G. Technical Ratings: Mass to Speed.

- **Hubs:** Bore Tolerance for hollow shaft: H7 Keyway acc. DIN 6885 optional
- **Material:** Bellows - Stainless Steel
  Hub - Aluminium (also available in Stainless Steel)
  Expanding Clamp - Stainless Steel
- **Temperature Range:** -30° ~ 120°

SERVO INSERT COUPLINGS

KBE1-5~48

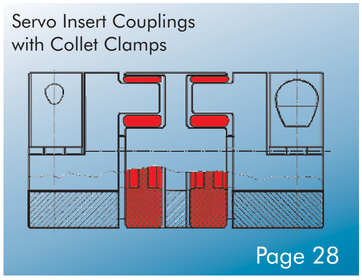
KBE2-5~19

KBE2-24~48

KBE2C-7~38

KBE2H-14~48

KBE2D-7~38



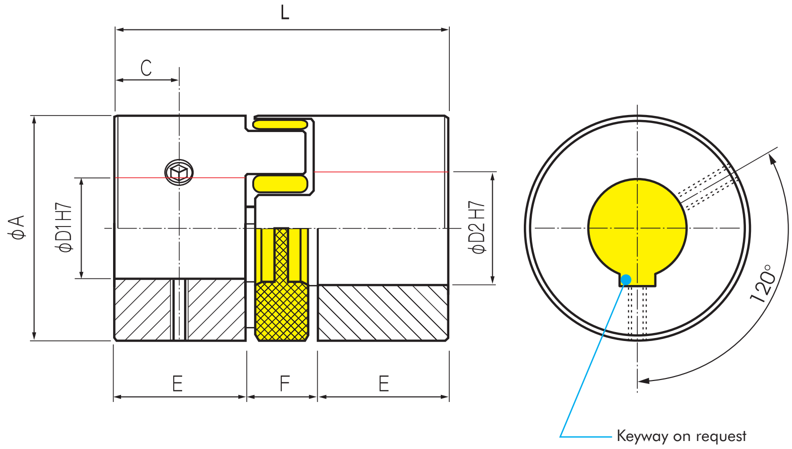
KBE3-14~48

KBE3C-14~48

KBE4-14~38

Servo Insert Coupling

with Set Screws



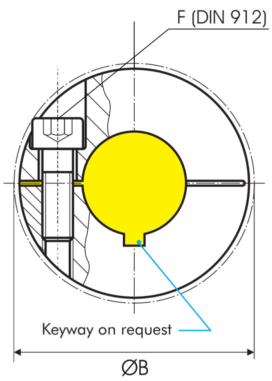
Order Code: KBE 1 - 14 - 10H7 - 12H7 (- S)

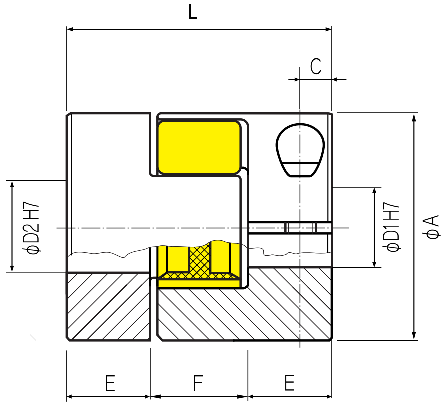
Type — Size — Bohre D1(H7) — Bohre D2(H7) — Options

	Dimensions (mm)							Technical Ratings			
	Ø A Outer Ø	L Length	Ø D1-D2 Bohre Sizes (H7) min ~ max	E	F	C	F Screw (DIN 916) TA (Nm)	Maximum Speed rpm. (1/min)	Mass (per Hub) (g)	Moment of Inertia J (kg mm²)	Torque (Nm)
KBE 1 - 5	10	15	2 - 6	5	5	2.5	1 x M3 0.5	47500	1	0.034	0.5
KBE 1 - 7	14	22	4 - 7	7	8	3.5	2 x M3 1.3	34000	3	0.2	1.2
KBE 1 - 9	20	30	6 - 9	10	10	5	2 x M3 1.3	24000	9	1.1	3
KBE 1 - 14	30	35	6 - 16	11	13	5	1 x M4 3	16000	20	5.6	12.5
KBE 1 - 19	40	66	10 - 24	25	16	10	1 x M5 6	12000	80	36	17
KBE 1 - 24	55	78	16 - 28	30	18	10	1 x M5 6	8500	132	150	60
KBE 1 - 28	65	90	20 - 38	35	20	15	1 x M6 11	7200	253	330	160
KBE 1 - 38	80	114	20 - 45	45	24	15	1 x M8 25	6000	600	960	325
KBE 1 - 42	95	126	20 - 55	50	26	20	1 x M8 25	4800	1850	4900	450
KBE 1 - 48	105	140	20 - 60	56	28	20	1 x M8 25	4300	3200	8300	525

Material: Insert (KBE1-5 to KBE1-9): Polyurethan 92 Sh A (yellow)
Insert (KBE1-14 to KBE1-48): Polyurethan 98 Sh A (red)
Hubs: Aluminum

Servo Insert Coupling





Order Code: KBE 2 - 14 - 10H7 - 12H7 (- S)

KBE 2	14	10H7	12H7	- S
Type	Size	Ø D1(H7)	Ø D2(H7)	Options

	Dimensions (mm)								Technical Ratings			
	ØA	L	Ø D1-D2	E	F	C	B	F	Maximum Speed	Mass (per Hub)	Moment of Inertia (per Hub)	Torque
		Length	Bohre Sizes (H7) min ~ max				Max. Ø	Screw (DIN 912) TA (Nm)	rpm. (1/min)	(g)	J (g cm²)	(Nm)
KBE 2 - 5	10	15	2 - 5	5	5	2.5	11.4	M1.6 / 0.5	38000	1	0.034	0.5
KBE 2 - 7	14	22	4 - 7	7	8	3.5	15	M2 / 0.37	27000	3.5	1	1.2
KBE 2 - 9	20	30	4 - 11	10	10	5	23.4	M2.5 / 0.75	19000	10	5.7	3
KBE 2 - 14	30	35	4 - 16	11	13	5	32.2	M3 / 1.4	13000	27	33	12.5
KBE 2 - 19	40	66	10 - 22	25	16	12	47	M6 / 11	10000	88	200	17

Transmissible Torque (Nm) of the Hubs

Higher torques possible! Please contact us.

	Ø Bohre (mm)															
	2	3	4	5	6	7	8	9	10	11	12	14	15	16	19	20
KBE 2 - 5	0.5	0.5	0.5													
KBE 2 - 7	0.8	0.8	0.9	0.95	1	1.1										
KBE 2 - 9			2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8						
KBE 2 - 14			3.4	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.1	6.3	6.5		
KBE 2 - 19									27	27	29	30	31	32	32	34

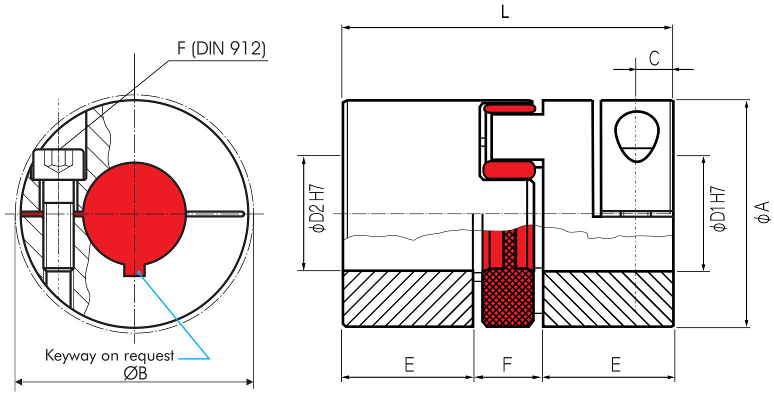
Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

Material: Insert - Polyurethan
Hubs - Aluminium

Hardness: up to Size 9: 92 Shore A (yellow)
from Size 14: 98 Shore A (red)

Servo Insert Coupling

with Collet Clamps



Order Code: KBE 2 - 38 - 20H7 - 40H7 (- S)

Type / Size / Ø D1(H7) / Ø D2(H7) / Options

	Dimensions (mm)								Technical Ratings			
	ØA	L Length	Ø D1-D2 Bohre Sizes (H7) min ~ max	E	F	C	B Max. Ø	F Screw (DIN 912) TA (Nm)	Maximum Speed rpm. (1/min)	Mass (per Hub) (g)	Moment of Inertia (per Hub) J (g cm²)	Torque (Nm)
KBE 2 - 24	55	78	15 - 32	30	18	12	56.4	M6 / 11	7000	187	0.84	60
KBE 2 - 28	65	90	19 - 38	35	20	15	72.6	M8 / 25	6000	297	1.85	160
KBE 2 - 38	80	114	20 - 45	45	24	20	83.3	M8 / 25	5000	590	5.50	325
KBE 2 - 42	95	126	25 - 50	50	26	20	95	M10 / 70	4000	940	12.1	450
KBE 2 - 48	105	140	25 - 55	56	28	22	105	M12 / 120	3750	1300	20.2	525

Transmissible Torque (Nm) of the Hubs

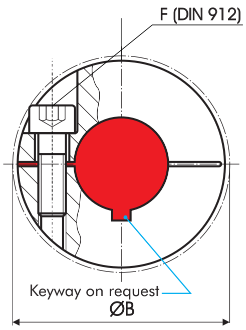
Higher torques possible! Please contact us.

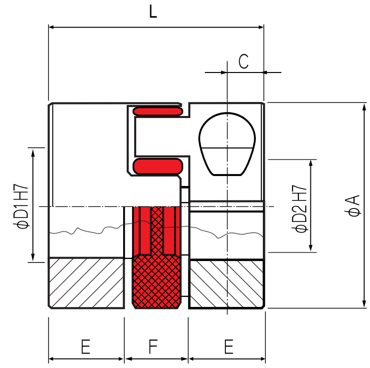
	Bohre (mm)																
	15	16	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50
KBE 2 - 24	39	43	44	46	47	49	50	52									
KBE 2 - 28			91	93.5	96	98	100	104	107	110	113						
KBE 2 - 38				107	110	112	114	118	121	123	127	131	134	137	141		
KBE 2 - 42								250	255	260	267	279	281	288	298		
KBE 2 - 48										445	457	470	472	508	520	534	543

- Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional
- Material: Insert - Polyurethan
  Hubs - Aluminum
- Hardness: 98 Shore A (red)

Servo Insert Coupling

Compact Version





Order Code: KBE 2C - 38 - 20H7 - 40H7 (- S)

KBE 2C: Type; 38: Size; 20H7: Ø D1(H7); 40H7: Ø D2(H7); S: Options

	Dimensions (mm)								Technical Ratings			
	Ø A	L	Ø D1-D2	E	F	C	B	G	Maximum Speed	Mass (per Hub)	Moment of Intertia (per Hub) J	Torque
	Outer Ø	Length	Bohre Sizes (H7) min ~ max				Max. Ø	Screw (DIN 912) TA (Nm)	rpm. (1/min)	(g)	(kg cm²)	(Nm)
KBE 2C - 7	14	18	3 - 7	5	8	2.5	16.6	M2 0.37	27000	3	0.085	1.2
KBE 2C - 9	20	24	4 - 11	7	10	3.5	21.3	M2.5 0.75	19000	8	4.8	3
KBE 2C - 14	20	32	4 - 16	9.5	13	5	30.5	M4 5	13000	23	28	12.5
KBE 2C - 19	40	50	8 - 21	17	16	8.5	45.7	M6 10	10000	66	0.15	17
KBE 2C - 24	55	58	10 - 32	20	18	10	56.4	M6 10	7000	139	0.59	60
KBE 2C - 28	65	62	14 - 35	21	20	11	72.6	M8 25	6000	204	1.27	160
KBE 2C - 38	80	86	15 - 45	31	24	15	83.3	M10 49	5000	445	4.14	325

Transmissible Torque (Nm) of the Hubs

Higher torques possible! Please contact us.

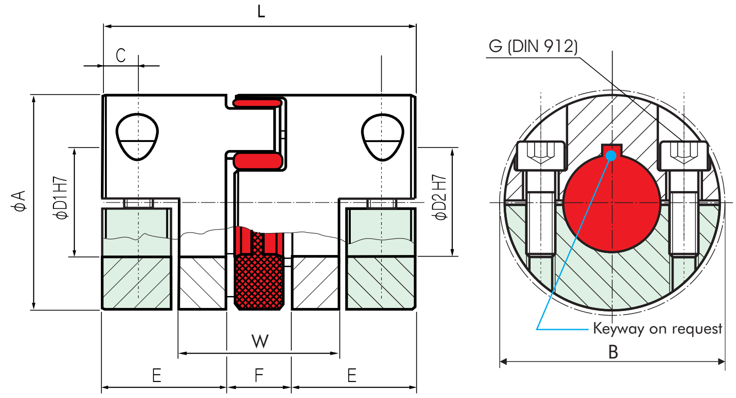
	Ø Bohre (mm)																								
	3	4	5	6	8	9	10	11	12	14	15	16	18	19	20	24	25	28	30	32	35	38	40	42	45
KBE 2C - 7	0.7	0.9	1.1	1.2																					
KBE 2C - 9		1.7	2.1	2.4	3.0	3.2	3.4	3.6																	
KBE 2C - 14			9	10.6	11.5	11.8	12.0	13.4	14	14.3	14.5	14.8													
KBE 2C - 19						25	25.7	26.3	27	28.4	29	29.7	31.1	31.7	32.4	25.0									
KBE 2C - 24							21	23	25	30	32	34	38	40	42	51	53	59	63	68					
KBE 2C - 28										54	58	62	70	74	78	93	97	109	116	124	136				
KBE 2C - 38											92	99	111	117	123	148	154	173	185	197	216	234	247	259	278

Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

Material: Insert - Polyurethan
Hubs - Aluminium

Hardness: up to Size 9: 92 Shore A (yellow)
from Size 14: 98 Shore A (red)

Split Hubs



Order Code: KBE 2H - 19 - 10 - 12 (- S)

Type — Size — Ø D1 (H7) — Ø D2 (H7) — Options

KBE2H	Dimensions (mm)										Technical Ratings					
	Ø A	L	Ø D1/D2		E	W	F	C	Ø B	H	G	TA	Maximum Speed	Mass	Moment of Inertia	Torque
	Outer Ø	Total-length	Bohre Sizes min	max							Screw DIN 912	(Nm)	rpm. (1/min)	(per Hub) (g)	(per Hub) J (kg cm²)	(Nm)
-14	30	35	4	14	11	19	13	5.0	35	10.5	M4	5	13000	32	0.05	12.5
-19	40	66	8	20	25	27	16	8.0	46	14.5	M6	10	10000	88	0.2	17
-24	55	78	10	28	30	34	18	10.5	57.5	20	M6	10	7000	187	0.84	60
-28	65	90	14	38	35	40	20	11.5	73	25	M8	25	6000	297	1.85	160
-38	80	114	18	45	45	48	24	15.5	83.5	30	M8	25	5000	590	5.50	325
-42	95	126	22	50	50	53	26	18.0	93.5	32	M10	49	4000	940	12.1	450
-48	105	140	22	55	56	61	28	18.5	105	36	M12	86	3750	1300	20.2	525

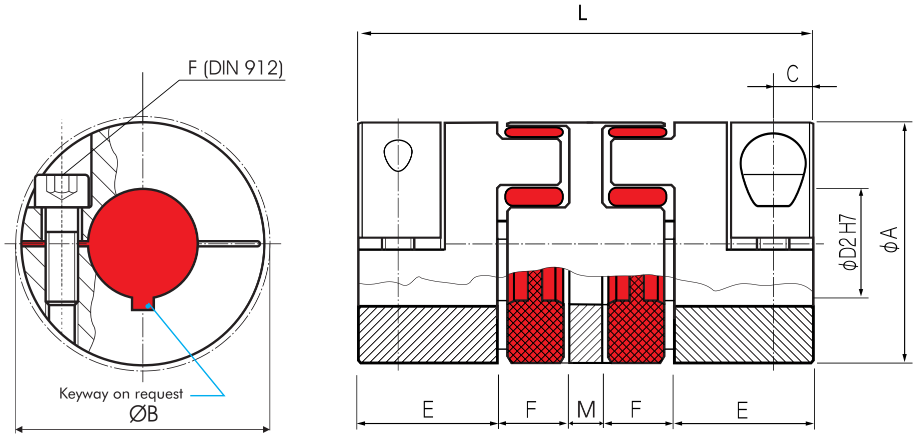
Transmissible Torque (Nm) of the split hubs without keyways

KBE2H	Ø Bohre (mm)																									
	4	6	8	10	11	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	46	48	50	55
-14	3.5	4.8	5,1	5.5	5.6	6.1																				
-19			17	21	23	30	32	34	38	40	42															
-24				21	23	30	32	34	38	40	42	47	51	53	59											
-28						54	58	62	70	74	78	86	93	97	109	117	124	136	148							
-38									70	74	78	86	93	97	109	117	124	136	148	156	163	175				
-42												136	149	155	174	186	198	217	235	248	260	279	285	297	310	
-48												199	217	226	253	271	290	317	344	362	380	407	416	434	452	498

Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 on request

Material: Hubs - Aluminum (also available in Stainless Steel)
Insert - Polyurethan 98 Shore A red

Servo Insert Coupling



Order Code: KBE 2D - 14 - 10H7 - 12H7 (- S)

Type — Size — Ø D1(H7) — Ø D2(H7) — Options

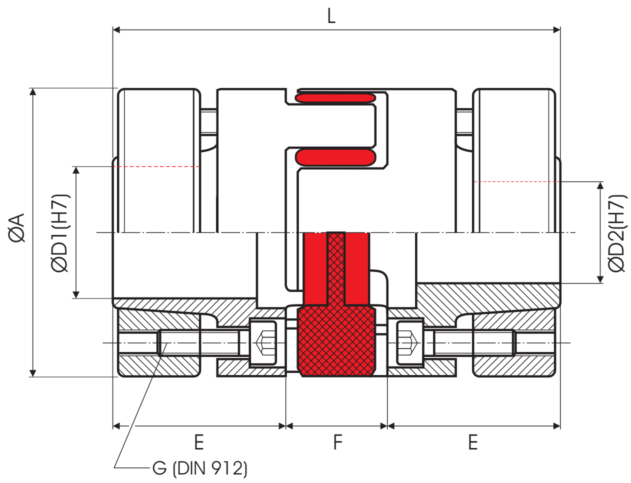
	Dimensions (mm)									Technical Ratings/Hub			
	ØA	L	Ø D1-D2	E	F	C	B	G	M	Maximum Speed	Mass (per Hub)	Moment of Inertia (per Hub) J	Torque
		Length	Bore Sizes (H7) min ~ max				StörØ	Schraube (DIN 912) TA (Nm)		rpm. (1/min)	(g)	(g cm²)	(Nm)
KBE 2D - 7	14	34	4 - 7	7	8	3.5	15	M2 / 0.37	4	27000	5	1.5	1.2
KBE 2D - 9	20	45	4 - 11	10	10	5	23.4	M2.5 / 0.75	5	19000	15	8	3
KBE 2D - 14	30	56	4 - 16	11	13	5	32.2	M3 / 1.4	8	13000	42	51	12.5
KBE 2D - 19	40	92	10 - 22	25	16	12	45.7	M6 / 11	10	10000	116	265	17
KBE 2D - 24	55	112	15 - 32	30	18	14	56.4	M6 / 11	16	7000	548	2.3	60
KBE 2D - 28	65	128	19 - 38	35	20	15	72.6	M8 / 25	18	6000	853	5.1	160
KBE 2D - 38	80	158	20 - 45	45	24	20	83.3	M8 / 25	20	5000	14573	14.6	325

Transmissible Torque (Nm) of the Hubs

	Ø Bore (mm)																									
	3	4	5	6	7	8	9	10	11	12	14	15	16	19	20	22	24	25	28	30	32	35	38	40	42	45
KBE 2D - 7	0.8	0.9	0.95	1	1.1																					
KBE 2D - 9		2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8																	
KBE 2D - 14		3.4	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.1	6.3	6.5													
KBE 2D - 19								27	27	29	30	31	32	32	34											
KBE 2D - 24												39	43	44	46	47	49	50	52							
KBE 2D - 28														91	93.5	96	98	100	104	107	110	113				
KBE 2D - 38															107	110	112	114	118	121	123	127	131	134	137	141

- Hub: Bohre Tolerance: H7 Keyway acc. DIN 6885 on request
- Material: Insert - Polyurethan, Hubs - Aluminium
- Hardness: up to Size 9: 92 Shore A (yellow), from Size 14: 98 Shore A (red)

Servo Insert Coupling



Order Code: KBE 3 - 48 - 40H7 - 35H7 (- S)

Type · Size · Bore D1(H7) · Bore D2(H7) · Options

	Dimensions (mm)							Technical Ratings			
	Ø A	L	Ø D1-D2	E	F	G		Maximum Speed	Mass (per Hub)	Moment of Inertia J	Torque
	Outer Ø	Total Length	Bore Sizes (H7) min ~ max			Screw (DIN 912)	Torque to Tighten Clamps T_A (Nm)	rpm. (1/min)	(kg)	(kg mm²)	(Nm)
KBE 3 - 14	30	50	6 - 14	18.5	13	M3	1.34	25000	0.05	6	12.5
KBE 3 - 19	40	66	10 - 20	25	16	M4	2.9	19000	0.12	27	17
KBE 3 - 24	55	78	15 - 28	30	18	M5	6	14000	0.28	116	60
KBE 3 - 28	65	90	19 - 38	35	20	M5	6	12000	0.45	283	160
KBE 3 - 38	80	114	20 - 45	45	24	M6	10	10000	0.95	885	325
KBE 3 - 42	95	126	28 - 50	50	26	M8	35	8000	2.3	3032	450
KBE 3 - 48	105	140	35 - 60	56	28	M8	35	7000	3.2	5313	525

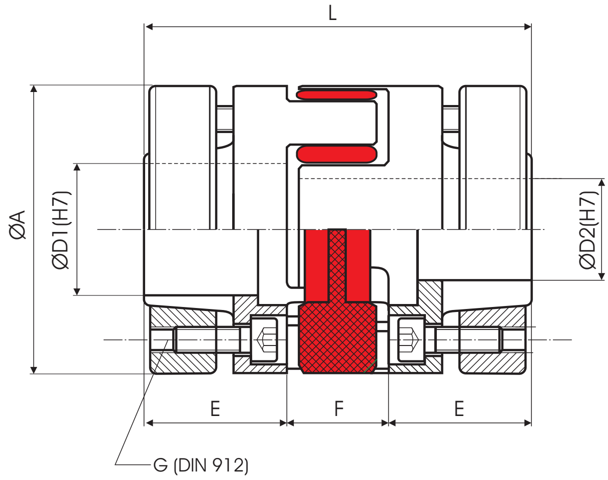
Transmissible Torque (Nm) of the Hubs

	Ø Bore (mm)																				
	6	10	11	14	15	16	19	20	24	25	28	30	32	35	38	40	42	45	48	50	55
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

Material:
Insert: Polyurethan 98 Shore A (red)
Hubs: (KBE3-14 - KBE3-38) Aluminum
Hubs: (KBE3-42 - KBE3-48) Steel
Outer Cone: High Tensile Steel

Servo Insert Coupling Compact Version

with Outer Conical Hubs



Order Code: KBE 3C - 48 - 40H7 - 35H7 (- S)

Type — Size — Bore D1(H7) — Bore D2(H7) — Options

	Dimensions (mm)							Technical Ratings			
	Ø A	L	Ø D1-D2	E	F	G		Maximum Speed	Mass (per Hub)	Moment of Inertia J	Torque
	Outer Ø	Total Length	Bore Sizes (H7) min ~ max			Screw (DIN 912)	Torque to Tighten Clamps T_A (Nm)	rpm. (1/min)	(kg)	(kg mm²)	(Nm)
KBE 3C - 14	30	42	6 - 14	14.5	13	M3	1.34	25000	0.026	3	12.5
KBE 3C - 19	40	56	10 - 20	20	16	M4	3	19000	0.062	15	17
KBE 3C - 24	55	64	14 - 28	23	18	M5	6	14000	0.132	65	60
KBE 3C - 28	65	76	19 - 38	28	20	M5	6	12000	0.201	142	160
KBE 3C - 38	80	96	20 - 45	36	24	M6	10	10000	0.411	434	325
KBE 3C - 42	95	103	28 - 50	38.5	26	M8	25	8000	0.625	904	450
KBE 3C - 48	105	110	30 - 55	41	28	M10	49	7000	0.831	1467	525

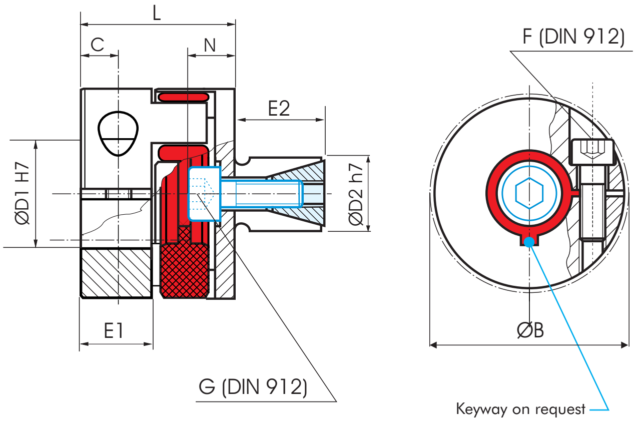
Transmissible Torque (Nm) of the Hubs

	Ø Bore (mm)																				
	6	10	11	14	15	16	19	20	24	25	28	30	32	35	38	40	42	45	48	50	55
KBE 3C - 14	5.4	7.5	11.3	24.7																	
KBE 3C - 19		17	20	41	49	36	56	64													
KBE 3C - 24				47	57	67	98	110	127	139	175										
KBE 3C - 28							121	133	201	219	248	285	253	307	329						
KBE 3C - 38								203	304	331	394	452	453	543	550	609	669	634			
KBE 3C - 42											444	508	535	638	692	763	754	858	964	976	
KBE 3C - 48												572	638	762	842	929	943	1074	1208	1136	1336

Material: Insert: Polyurethan 98 Shore A (red)
Hubs: Aluminum

Servo Insert Coupling

with Expanding Clamp



Order Code: KBE 4 - 38 - 40H7 - 35H7 (- S)

Type · Size · Bore D1(H7) · Bore D2(H7) · Options

	Dimensions (mm)											Technical Ratings			
	ØA	L	Ø D1	Ø D2	E1	E2	N	C	B	F	G	Maximum Speed	Mass (per Hub)	Moment of Inertia J	Torque
		Length	Bore Sizes (H7) min ~ max	Bore Sizes (H7) min ~ max					Max Ø	Screw (DIN 912) TA (Nm)	Screw (DIN 912) TA (Nm)	upm. (1/min)	(g)	(g cm²)	(Nm)
KBE 4 - 14	30	28	4 - 16	13 - 25	11	20	7	5	32.2	M3 1.4	M5 9	20000	137	0.13	12.5
KBE 4 - 19	40	40	10 - 22	14 - 30	17	25	10	9	45.7	M6 15	M6 12	19000	287	0.44	17
KBE 4 - 24	55	46	12 - 32	23 - 36	20	27	11	10	56.4	M6 15	M8 32	14000	756	2.18	60
KBE 4 - 28	65	51	19 - 38	26 - 42	21	32	16	11	72.6	M8 35	M10 60	11500	1350	5.87	160
KBE 4 - 38	80	68	20 - 45	38 - 60	31	45	20	15	83.3	M8 35	M12 110	9500	2500	16.7	325

Transmissible Torque (Nm) of Collet Clamp

	Ø D1 Bohrung (mm)																						
	4	6	8	9	10	11	12	14	15	16	18	19	20	24	25	28	30	32	35	38	40	42	45
KBE 4 - 14	3.4	4.8	5.1	5.3	5.5	5.6	5.8	6.1	6.3	6.5													
KBE 4 - 19			24.3	25	25.7	26.3	27	28.4	29	29.7	31.1	31.7	32.4	25									
KBE 4 - 24					21	23	25	30	32	34	38	40	42	51	53	59	63	68					
KBE 4 - 28								54	58	62	70	74	78	93	97	109	116	124	136				
KBE 4 - 38									92	99	111	117	123	148	154	173	185	197	216	234	247	259	278

Material: Insert: Polyurethan 98 Shore A (red)
Collet Clamp: Aluminum
Expanding Clamp: Steel

Spider Elements for Couplings Type KBE

Size	Hardness	Moment of Inertia [Nm]	torsional stiffness static [Nm/rad]	torsional stiffness dynamic [Nm/rad]	Misalignment		
					axial [mm]	radial [mm]	angular [Grad]
5	92 ShA	0.5	5.16	16	+0.4/-0.2	0.06	1.0°
	98 ShA	0.9	8.3	25	+0.4/-0.2	0.04	0.9°
7	80 ShA	0.7	8.6	26	+0.6/-0.3	0.15	1.1°
	92 ShA	1.2	14.3	43	+0.6/-0.3	0.10	1.0°
	98 ShA	2.0	22.9	69	+0.6/-0.3	0.06	0.9°
	64 ShD	2.4	34.3	103	+0.6/-0.3	0.04	0.8°
9	80 ShA	1.8	17.2	52	+0.8/-0.4	0.19	1.1°
	92 ShA	3.0	31.5	95	+0.8/-0.4	0.13	1.0°
	98 ShA	5.0	51.6	155	+0.8/-0.4	0.08	0.9°
	64 ShD	6.0	74.6	224	+0.8/-0.4	0.05	0.8°
14	80 ShA	4.0	60.2	180	+1.0/-0.5	0.21	1.1°
	92 ShA	7.5	114.6	344	+1.0/-0.5	0.15	1.0°
	98 ShA	12.5	171.9	513	+1.0/-0.5	0.09	0.9°
	64 ShD	16.0	234.2	702	+1.0/-0.5	0.06	0.8°
19	80 ShA	4.9	618	1065	+1.2/-0.5	0.15	1.1°
	92 ShA	10.0	1090	1815	+1.2/-0.5	0.10	1.0°
	98 ShA	17.0	1512	2540	+1.2/-0.5	0.06	0.9°
	64 ShD	21.0	2560	3810	+1.2/-0.5	0.04	0.8°
24	92 ShA	35	2280	4010	+1.4/-0.5	0.14	1.0°
	98 ShA	60	3640	5980	+1.4/-0.5	0.10	0.9°
	64 ShD	75	5030	10896	+1.4/-0.5	0.07	0.8°
28	92 ShA	95	4080	6745	+1.5/-0.7	0.15	1.0°
	98 ShA	160	6410	9920	+1.5/-0.7	0.11	0.9°
	64 ShD	200	10260	20177	+1.5/-0.7	0.08	0.8°
38	92 ShA	190	6525	11050	+1.8/-0.7	0.17	1.0°
	98 ShA	325	11800	17160	+1.8/-0.7	0.12	0.9°
	64 ShD	405	26300	40335	+1.8/-0.7	0.09	0.8°
42	92 ShA	265	10870	15680	+2.0/-1.0	0.19	1.0°
	98 ShA	450	21594	37692	+2.0/-1.0	0.14	0.9°
	64 ShD	560	36860	69825	+2.0/-1.0	0.10	0.8°
48	92 ShA	310	12968	18400	+2.1/-1.0	0.23	1.0°
	98 ShA	525	25759	45620	+2.1/-1.0	0.16	0.9°
	64 ShD	655	57630	99750	+2.1/-1.0	0.11	0.8°


98 ShoreA


92 ShoreA

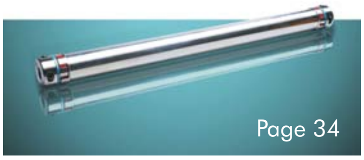

80 ShoreA


64 ShoreD

LINE SHAFTS

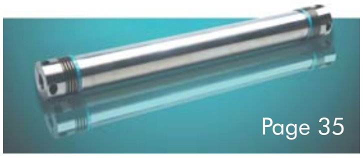
DRE/14~48

Line Shafts with Elastomer Inserts

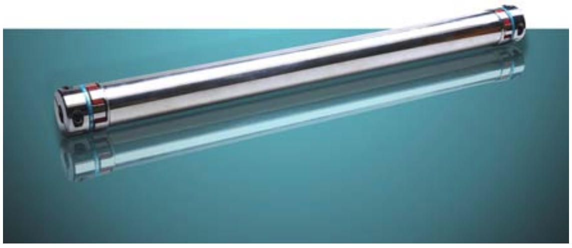


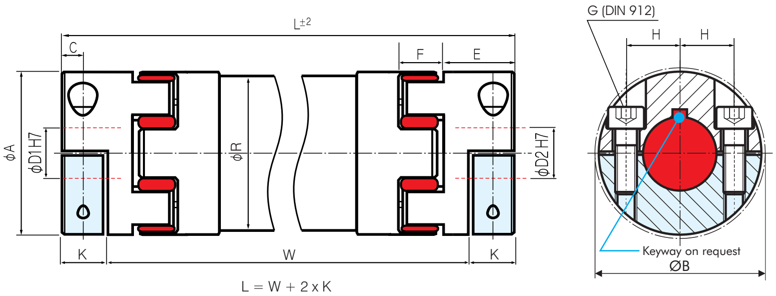
DRB/4.5~500

Line Shafts with Metal Bellows



Split Hubs and Servo Inserts





Order Code: DRE - 19 - 2000 - 10 - 16 (- S)

Type - Size - Length L - Ø D1 (H7) - Ø D2 (H7) - Options

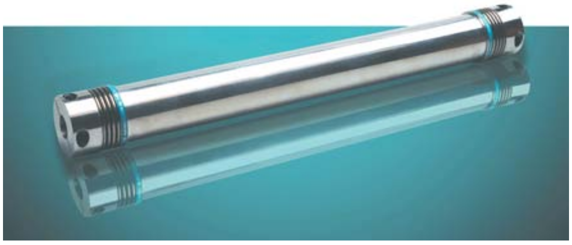
	Abmessungen (mm)												Technical Ratings				
	Ø D1/D2		Ø A	E	K	F	L		Ø R	Ø B	C	H	G	T_A (Nm)	T_{KN} (Nm)	T_{Kmax} (Nm)	C_T/m (Nm/rad)
	Bore Sizes min	max	Outer Ø				min	max									
DRE-14	4	14	30	11	8	13	102	3000	30	34	5	10.5	M4	5	12.5	25	500
DRE-19	8	20	40	25	19.5	16	133	3000	35	46	8.0	14.5	M6	10	17	34	1770
DRE-24	10	28	55	30	22.0	18	157	3500	50	57.5	10.5	20	M6	10	60	120	6400
DRE-28	14	38	65	35	25.0	20	181	4000	60	73	11.5	25	M8	25	160	320	11400
DRE-38	18	45	80	45	33.0	24	229	4000	75	83.5	15.5	30	M8	25	325	650	23000
DRE-42	22	50	95	50	36.5	26	253	4000	100	93.5	18.0	32	M10	49	450	900	194000
DRE-48	22	55	105	56	39.5	28	281	4000	100	105	18.5	36	M12	86	525	1050	194000

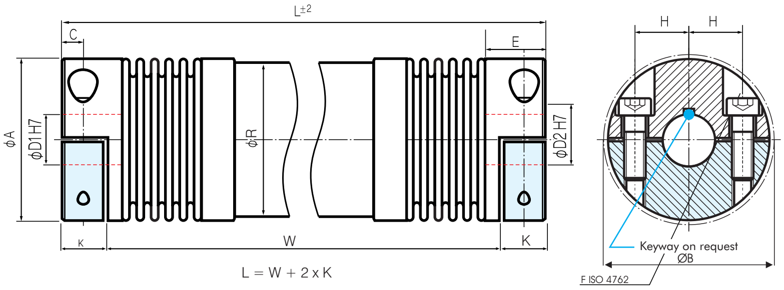
Transmissible Torque (Nm) of Split Hub (without Keyway)

	Ø (mm)																									
	4	6	8	10	11	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	46	48	50	55
DRE-14	3.5	4.8	5,1	5.5	5.6	6.1																				
DRE-19			17	21	23	30	32	34	38	40	42															
DRE-24				21	23	30	32	34	38	40	42	47	51	53	59											
DRE-28						54	58	62	70	74	78	86	93	97	109	117	124	136	148							
DRE-38									70	74	78	86	93	97	109	117	124	136	148	156	163	175				
DRE-42												136	149	155	174	186	198	217	235	248	260	279	285	297	310	
DRE-48												199	217	226	253	271	290	317	344	362	380	407	416	434	452	498

- Hubs: Bore Tolerance: H7 Keyway acc. DIN 6885 on request
- Material: Hubs: Aluminum (also available in Stainless Steel)
  Hollow Shaft: Aluminum
  Insert: Polyurethan 98 Shore A (red)
- Max. rpm: up to 1500 min^{-1}, for higher speed please contact us
- Length up to 6 m on request

Split Hubs and Metal Bellows





Oder Code: DRB / 60 - 2000 - 15 - 20 (- S)

Type / Size — Length — Ø D1 (H7) — Ø D2 (H7) — Options

	Torque	Dimensions (mm)												Technical Ratings				
		L		Ø A	D1/D2	H	C	E	K	F	Ø R	Ø B	Spring Stiffness Torsional		Missalignement		
	T_{KN} (Nm)	min	max	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) T_A (Nm)	Shaft Ø	Max Ø	Bellows C_T 10^3 (Nm/rad)	Shaft C_T 10^3 (Nm/rad)/m	radial ΔKr (mm/m)	axial ΔKa (mm)	angular ΔKw (°)
DRB/4.5	4.5	68	3000	32.5	6-16	12	5	14	8.5	M4 / 3.5	30	34	3.2	0.5	5	2	1.5
DRB/10	10	82	3000	40.5	6-25	15.5	5	14	9	M4 / 4.5	35	41.5	4.1	1.8	5	2	1.5
DRB/18	18	108	3000	45	10-25.4	17	5.5	19.5	13	M5 / 8	35	-	10	1.8	5	2	1.5
DRB/30	30	111	3500	56	10-30	20	7.5	27	17	M6 / 15	50	-	19	6.5	5	2	1.5
DRB/60	60	135	4000	66	12-35	23	9.5	31	21	M8 / 36	60	-	37.5	11.5	5	3	1.5
DRB/150	150	154	4000	82	14-44	28	11	36	23.5	M10 / 72	75	-	77.5	23	5	4	1.5
DRB/200	200	169	4000	90	16-48	31	12.5	41	27	M12 / 125	90	-	87.5	73	5	4	1.5
DRB/300	300	179	4000	110	20-60	39	13	43	28	M12 / 125	100	-	251	194	5	4	1.5
DRB/500	500	215	4000	122	25-65	42	15	51	35.5	M12 / 145	100	-	345	194	5	5	1.5

- Material: Bellows - Stainless Steel
  Hubs - Aluminum
  Hollow Shaft - Aluminum
- Temperature Range: -30°C ~ 120°C
- Max. rpm: up to 1500 min⁻¹, for higher speed please contact us
- Length up to 6 m on request

We also manufacture:

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.

09/2013

KBK Antriebstechnik GmbH
Unterlandstraße 46 · 63911 Klingenberg · Germany
Phone: +49-9372-130-4860
Fax: +49-9372-134-730
e-Mail: info@kbk-antriebstechnik.de
www.kbk-antriebstechnik.de
www.kbk-couplingsystems.com

Safety Couplings
Torque Limiters

KBK Antriebstechnik GmbH

Votre distributeur France : http://vicatronic.fr contact@vicatronic.fr Tél : +33 (0) 248 566 335

CONTENTS

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

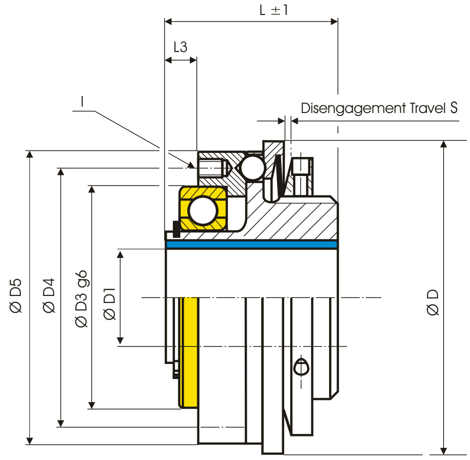
KBK/L-P-10~1400

Safety Coupling

with Keyway

optional nickel-plated!

optional stainless steel



Order Code: KBK/L - P - 60 - N20H7 - 20Nm - C or D - 2

- Type - Size: KBK/L - P - 60
- Bore D1(H7): N20H7
- Disengagement Torque: 20Nm
- Single Position = C
- D = Multi Position Engagement
- Overload Torque Range: 2

KBK/L-P-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L Length	L3	S	I 6 x	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
	Dimensions (mm)									Technical Ratings				
-10	49	6-16	37	42	47	26	5	0.7	M3	3-7	5-10	12000	0.15	0.4
-30	64	10-16	47	53	60	33.5	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

KBK Antriebstechnik GmbH

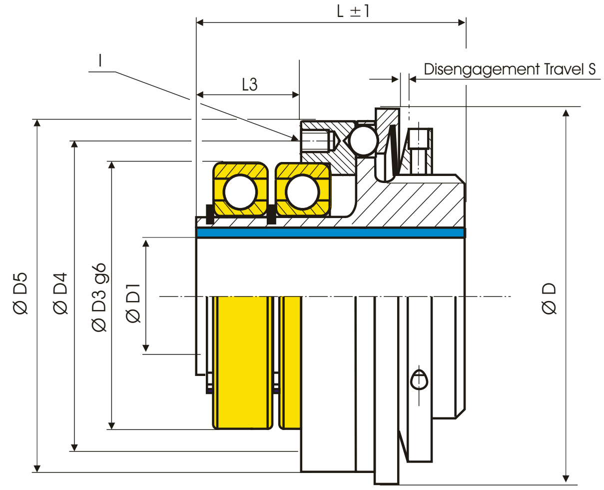
Votre distributeur France : http://vicatronic.fr contact@vicatronic.fr Tél : +33 (0) 248 566 335

Safety Coupling

with Keyway

optional nickel-plated!

optional stainless steel



Order Code: KBK/LL - P - 60 - N20H7 - 20Nm - C or 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				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	L	L3	S	I	Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max				Length			6 x	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm²)
-10	49	6-16	37	42	47	36	15	0.7	M3	3-7	5-10	12000	0.18	0.4
-30	64	10-16	47	53	60	47	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	68	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

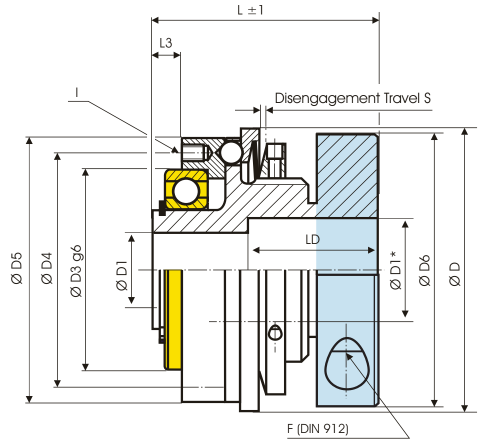
KBK/L-K-2~500

Safety Coupling

with Collet Clamp

optional nickel-plated!

optional stainless steel



Order Code: KBK/L - K - 60 - 20H7 - 20Nm - C or 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				
	Ø D	Ø D1	Ø D3	Ø D4	Ø D5	Ø D6	L	L3	S	I	F		Overload Torque adjustable		Maximum Speed	Mass	Moment of Inertia
	Outer Ø	Bore Size (H7) min ~ max								6 x	Screw (DIN 912)	TA (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm²)
-2	29	3-8	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	36	6-13	26	28	32	32.5	30	4	0.7	M2	M4	3.5	1-3	3-6	12300	0.11	0.20
-7	49	6-16	37	42	47	40.5	36	5	0.7	M3	M4	4.5	1-4	3-7	12000	0.18	0.4
-10	49	6-16	37	42	47	40.5	36	5	0.7	M3	M4	5.1	3-7	5-10	12000	0.18	0.4
-30	64	10-20	47	53	60	56	52.5	6	1.2	M4	M6	15	5-15	10-30	9400	0.59	2.4
-60	79	12-28	62	69	75	66	73	8	1.2	M5	M8	36	13-35	20-65	7800	1.05	6.4
-80	94	14-35	68	80	90	82	67	10	2	M6	M10	72	15-40	30-80	6400	2.4	21
-150	94	14-35	68	80	90	82	67	10	2	M6	M10	84	50-130	65-150	5500	2.4	21
-200	109	22-41	80	90	105	90	79	10	2	M6	M12	125	30-90	80-200	5500	2.9	35
-300	119	30-50	90	102	115	110	84	10	2	M8	M12	145	60-200	150-300	5000	4.4	66
-500	129	35-56	100	112	125	122	95	10	2	M8	M12	145	80-250	200-500	4500	6.4	113

- Bore > Ø D1 and ≤ D1* only possible over LD
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

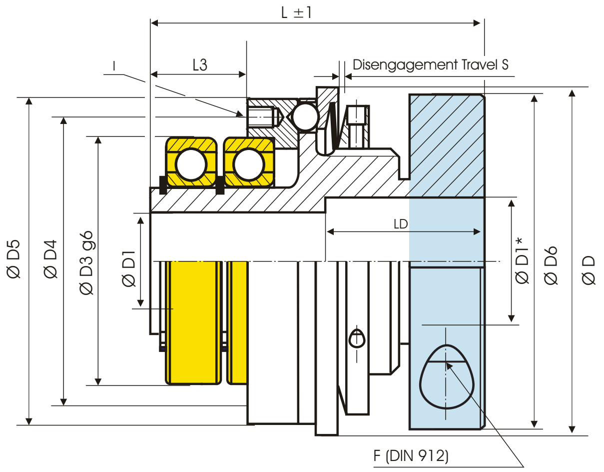
Size	2	4.5	7	10	30	60	80	150	200	300	500
D1*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

Safety Coupling

with Collet Clamp and 2 Ball Bearings

optional nickel-plated!

optional stainless steel



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

KBK/LL - K - 60: Type - Size
20H7: Bore D1(H7)
20Nm: Disengagement Torque
C or D: Single Position = C; D = Multi Position Engagement
2: Overload Torque Range

KBK/LL-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	Ø D6	L	L3	S	I 6 x	F Screw (DIN 912) T_A (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-2	29	3-8	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	36	6-13	26	28	32	32.5	37	9	0.7	M2	M4 / 3.5	1-3	3-6	12300	0.13	0.22
-7	49	6-16	37	42	47	40.5	46	15	0.7	M3	M4 / 4.5	1-4	3-7	12000	0.21	0.5
-10	49	6-16	37	42	47	40.5	46	15	0.7	M3	M4 / 5.1	3-7	5-10	12000	0.21	0.5
-30	64	10-20	47	53	60	56	66	20	1.2	M4	M6 / 15	5-15	10-30	9400	0.67	2.8
-60	79	12-28	62	69	75	66	90	26	1.2	M5	M8 / 36	13-35	20-65	7800	1.2	7.3
-80	94	14-35	68	80	90	82	83	27	2	M6	M10 / 72	15-40	30-80	6400	2.7	23
-150	94	14-35	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	96	28	2	M6	M12 / 125	30-90	80-200	5500	3.3	39
-300	119	30-50	90	102	115	110	104	31	2	M8	M12 / 145	60-200	150-300	5000	4.9	73
-500	129	35-56	100	112	125	122	113	31	2	M8	M12 / 145	80-250	200-500	4500	7.0	125

- Bore > Ø D1 and ≤ D1* only possible over LD
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

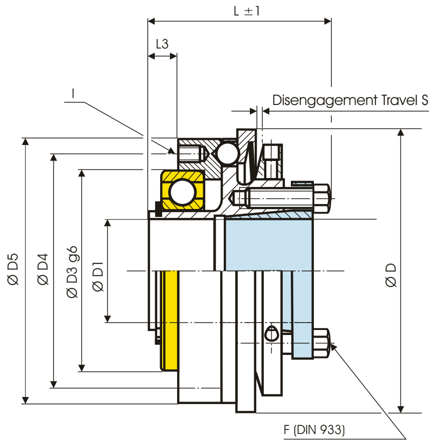
Size	2	4.5	7	10	30	60	80	150	200	300	500
D1*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

Safety Couplings

with Inner Cone

optional nickel-plated!

optional stainless steel



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

Type - Size

Bore D1(H7)

Disengagement Torque

Overload Torque Range

Single Position = C

D = Multi Position Engagement

KBK/L-I-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L Length	L3	S	I 6 x	F Screw (DIN 933)	F T_A (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-10	49	6-14	37	42	47	36	5	0.7	M3	M3	2.1	3-7	5-10	12000	0.18	0.4
-30	64	12-20	47	53	60	45	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	25-45	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

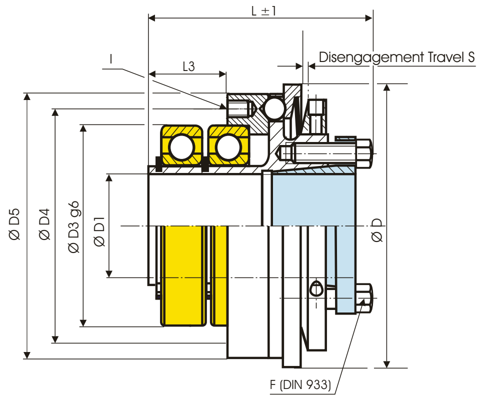
KBK/LL-I-10~1400

Safety Coupling

with Inner Cone and 2 ball bearings

optional nickel-plated!

optional stainless steel



Order Code: KBK/LL - I - 60 - 20H7 - 20Nm - C or 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) TA (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm²)
-10	49	6-14	37	42	47	46	15	0.7	M3	M3 2.1	3-7	5-10	12000	0.21	0.5
-30	64	12-20	47	53	60	58	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	25-45	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

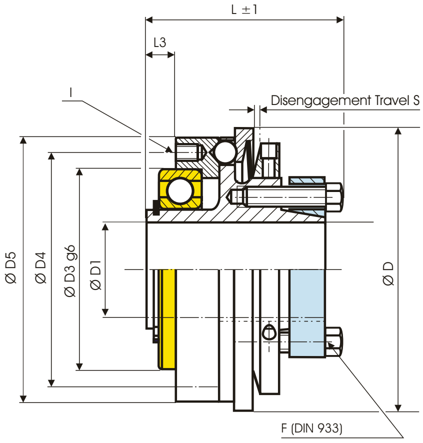
KBK/L-A-10~1400

Safety Coupling

with Outer Cone

optional nickel-plated!

optional stainless steel



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

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

Single Position = C

D= Multi Position Engagement

KBK/LA-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L Length	L3	S	I 6 x	F Screw (DIN 933) T_A (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-10	49	5-14	37	42	47	37.5	5	0.7	M3	M3 2.1	3-7	5-10	12000	0.18	0.4
-30	64	12-20	47	53	60	48	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

Dimensions (mm) / Technical Ratings

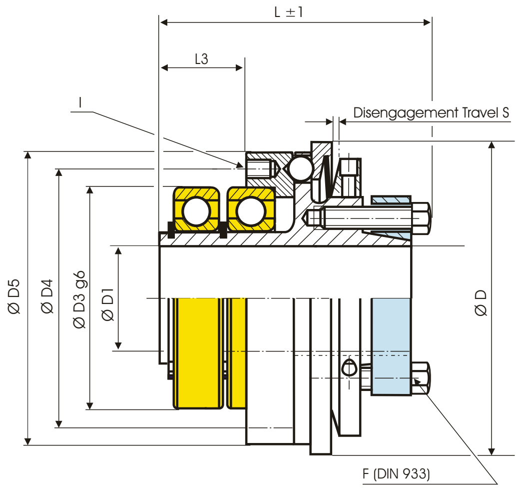
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

Safety Coupling

with Outer Cone and 2 ball bearings

optional nickel-plated!

optional stainless steel



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

Type - Size

Bore D1(H7)

Disengagement Torque

Overload Torque Range

Single Position =C

D= Multi Position Engagement

KBK/LLA-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L Length	L3	S	I 6 x	F Screw (DIN 933) TA (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-10	49	5-14	37	42	47	47.5	15	0.7	M3	M3 / 2.1	3-7	5-10	12000	0.21	0.5
-30	64	12-20	47	53	60	61.5	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

Dimensions (mm): columns Ø D to F. Technical Ratings: columns Overload Torque to Moment of Inertia.

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

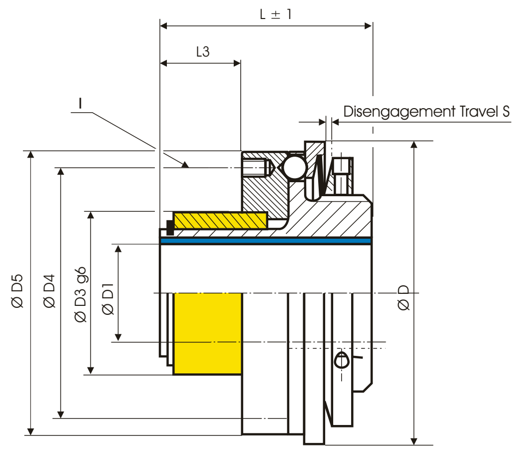
KBK/CP-10~500

Safety Coupling

with Keyway

optional nickel-plated!

optional stainless steel



Order Code: KBK/CP - 60 - N20H7 - 20Nm - C or D - 2

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

Single Position =C

D= Multi Position Engagement

KBK/CP-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L	L3	S	I 6 x	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-10	49	6-10	24	30	47	34	8	0.7	M3	3-7	5-10	12000	0.15	0.35
-30	64	10-14	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	19-30	48	65	90	58	22	2	M6	15-40	30-80	6400	1.4	12
-150	94	19-30	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	20-38	58	76	115	75	31	2	M8	60-200	150-300	5000	2.5	38
-500	129	20-42	66	110	125	94	33	2	M8	80-250	200-500	4500	3.8	68

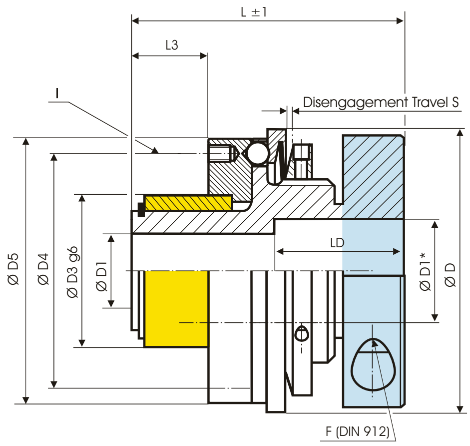
Temperature Range: -30°C ~ 120°C

Safety Coupling

with Collet Clamp

optional nickel-plated!

optional stainless steel



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

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

Single Position = C

D= Multi Position Engagement

KBK/CK-x	Ø D Outer Ø	Ø D1 Bore Size (H7) min ~ max	Ø D3	Ø D4	Ø D5	L	L3	S	I 6 x	F Screw (DIN 912) T_A (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
	Dimensions (mm)										Technical Ratings				
-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	36	6-12	20	26	32	36	7	0.7	M2	M4 / 3.5	1-3	3-6	12300	0.12	0.20
-7	49	6-16	24	30	47	44	8	0.7	M3	M4 / 5.1	1-4	3-7	12000	0.18	0.4
-10	49	6-16	24	30	47	44	8	0.7	M3	M4 / 5.1	3-7	5-10	12000	0.18	0.4
-30	64	10-20	30	46	60	59	9	1.2	M4	M6 / 15	5-15	10-30	9400	0.59	2.4
-60	79	12-25	36	50	75	76	16	1.2	M5	M8 / 36	13-35	20-65	7800	1.05	6.4
-80	94	14-35	48	65	90	79	22	2	M6	M10 / 72	15-40	30-80	6400	2.4	21
-150	94	14-35	48	65	90	79	22	2	M6	M10 / 72	50-130	65-150	5500	2.4	21
-200	109	22-40	52	70	105	91	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	134	33	2	M8	M12 / 145	80-250	200-500	4500	6.4	113

- Bore > Ø D1 and ≤ D1* only possible over LD
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

Size	2	4.5	7	10	30	60	80	150	200	300	500
D1*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

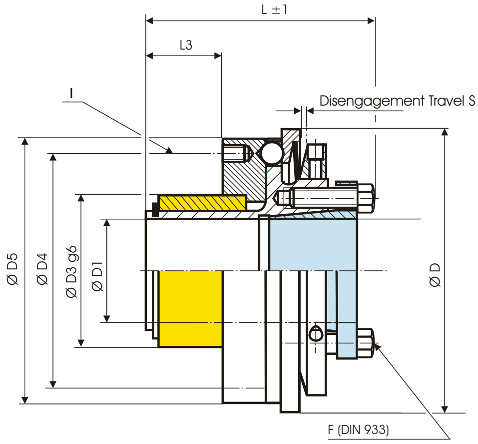
KBK/CI-10~500

Safety Coupling

with Inner Cone

optional nickel-plated!

optional stainless steel



Order Code: KBK/CI - 60 - 20H7 - 20Nm - C or 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	Mass	Moment of Inertia
	Outer Ø	Bore Sizes (H7) min ~ max							6 x	Screw (DIN 933) TA (Nm)	1 TKN (Nm)	2 TKN (Nm)	rpm. (1/min)	(kg)	J (kg cm²)
-10	49	6-14	24	30	47	44	8	0.7	M3	M3 / 2.1	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	25-46	58	76	115	93	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

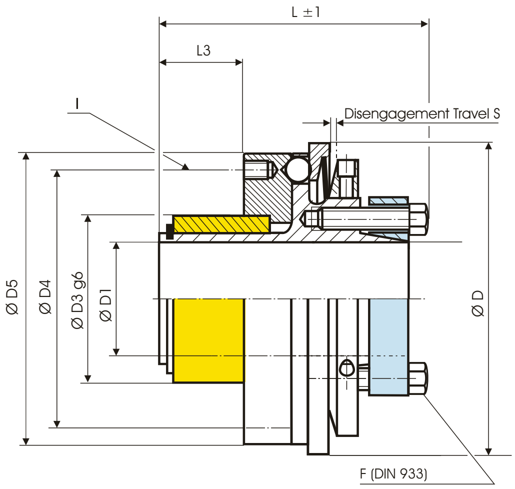
KBK/CA-10~500

Safety Coupling

with Outer Cone

optional nickel-plated!

optional stainless steel



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

Type - Size

Bore D1(H7)

Disengagement Torque

Overload Torque Range

Single Position =C

D= Multi Position Engagement

KBK/CA-x	Ø D Outer Ø	Ø D1 Bore Sizes (H7) min ~ max	Ø D3	Ø D4	Ø D5	L	L3	S	I 6 x	F Screw (DIN 933) TA (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)
-10	49	5-14	24	30	47	46	8	0.7	M3	M3 / 2.1	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	80	22	2	M6	M6 / 15	15-40	30-80	6400	1.8	16
-150	94	20-35	48	65	90	80	22	2	M6	M6 / 15	50-130	65-150	5500	1.8	16
-200	109	20-40	52	70	105	85	25	2	M6	M6 / 15	30-90	80-200	5500	2	24
-300	119	25-46	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/BKI 10~500
with Collet Clamp and Inner Cone


Page 18

KBK/BKA 10~500
with Collet Clamp and Outer Cone


Page 19

KBK/BIK 10~500
with Inner Cone and Collet Clamp


Page 20

KBK/BII 10~1400
with 2 Inner Cones


Page 21

KBK/BIA 10~1400
with Inner Cone and Outer Cone


Page 22

KBK/BAK 10~500
with Outer Cone and Collet Clamp


Page 23

KBK/BAI 10~1400
with Outer Cone and Inner Cone


Page 24

KBK/BAA 10~1400
with 2 Outer Cones

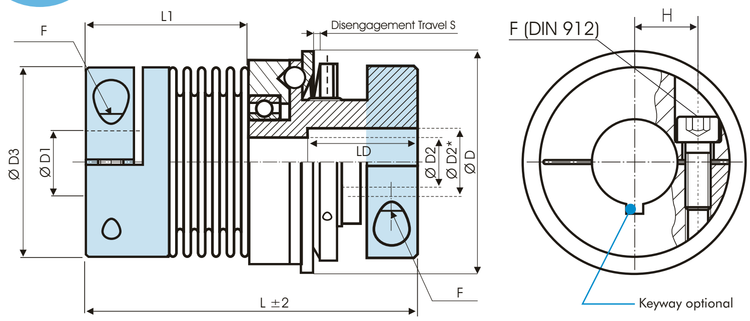

Page 25

Safety Coupling

with 2 Collet Clamps

optional nickel-plated!

optional stainless steel



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	Mass	Moment of Inertia	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)			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 (°)
-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						27							1.3	21	11	0.20	0.4	1.5
		56					2	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					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					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					5.1	43							6.8	29	17	0.3	0.6	2
-30	64	85	10 ~ 30	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					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					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					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					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					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					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					125	81							320	970	85	0.25	1	2

- Material: Bellows: stainless steel
  Collet Clamp (Size 2 to Size 60): Aluminum
  Collet Clamp (Size 80 to Size 500): Steel
- Temperature Range: -30°C ~ 120°C
- Keyway acc. DIN 6885 optional

Bore > Ø D1 and ≤ D1* only possible over LD

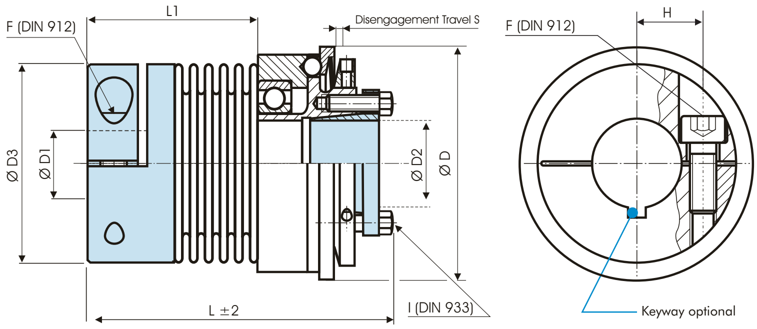
Size	2	4.5	7	10	30	60	80	150	200	300	500
D2*	11	X	20	20	26	31	38	38	X	57	62
LD	15	X	20	20	28	38	34	34	X	42	56

Safety Coupling

with Collet Clamp and Inner Cone

optional nickel-plated!

optional stainless steel



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) Ø D Outer Ø	L Length	Ø D1 Bore Size (H7) min ~ max	Ø D2 Bore Size (H7) min ~ max	Ø D3 Hub-dia-meter	H	F Screw (DIN 912) T_A (Nm)	L1	I Screw (DIN 933) T_A (Nm)	S	Technical Ratings: Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Overload Torque adjustable 1 T_{KN} (Nm)	Overload Torque adjustable 2 T_{KN} (Nm)	Spring Stiffness torsional x10³ C_T (Nm/rad)	Spring Stiffness radial C_R (N/mm)	Spring Stiffness axial C_A (N/mm)	Misalignment radial ΔKr (mm)	Misalignment axial ΔKa (mm)	Misalignment angular ΔKw (°)
-10	49	65	6 ~	6 ~	40	15.5	M4	34	M3	0.7	11690	0.24	0.6	3 ~	5 ~	8.1	120	27	0.15	0.4	1.5
		75	25	14			5.1	43	2.1					7	10	6.8	29	17	0.3	0.6	2
-30	64	77.5	10 ~	12 ~	56	20	M6	40.5	M5	1.2	9540	0.72	3.0	5 ~	10 ~	38	720	50	0.15	0.6	1.5
		86.5	30	20			15	48.5	6					15	30	28	225	28	0.25	1	2
-60	79	90	12 ~	15 ~	66	23	M8	50	M6	1.2	8180	1.3	7.9	12 ~	20 ~	75	1150	90	0.15	0.6	1.5
		100	32	25			36	60	8.5					35	60	50	340	50	0.25	1	2
-80	94	106	14 ~	20 ~	82	28	M10	57.5	M6	2	6220	2.84	25	15 ~	30 ~	128	1200	80	0.2	0.5	1.5
		118	42	35			72	68.5	14					40	80	75	400	50	0.25	0.8	2
-150	94	106	19 ~	20 ~	82	28	M10	57.5	M6	2	6220	2.84	25	50 ~	65 ~	155	2020	145	0.2	0.5	1.5
		118	42	35			72	68.5	14					130	150	105	595	85	0.25	0.8	2
-200	109	113	22 ~	20 ~	90	31	M12	63	M6	2	5720	3.48	41	30 ~	80 ~	175	2500	147	0.2	0.5	1.5
		126	45	40			125	75	14					90	200	116	460	82	0.25	0.8	2
-300	119	131	30 ~	25 ~	110	39	M12	67	M8	2	5200	5.35	80	60 ~	150 ~	502	6300	280	0.2	0.5	1.5
		141	60	45			125	78	18					200	300	285	1400	145	0.25	0.8	2
-500	129	140	35 ~	35 ~	122	42	M12	70	M8	2	4470	7.54	134	80 ~	200 ~	690	7790	100	0.2	0.5	1.5
		151	70	55			125	81	26					250	500	320	970	85	0.25	1	2

Material: Bellows: Stainless Steel

Collet Clamp (Size 10 to Size 60): Aluminium
Collet Clamp (Size 80 to Size 500): Steel
Inner Cone: Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

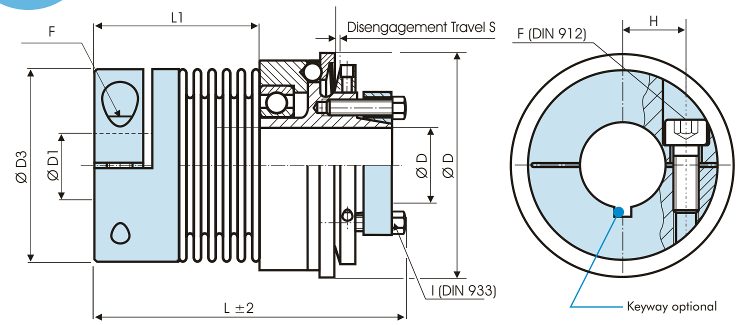
KBK/BKA-10~500

Safety Coupling

with Collet Clamp and Outer Cone

optional nickel-plated!

optional stainless steel



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 ~ max	Bore Size (H7) min ~ max	Hub-dia-meter		Screw (DIN 912) T_A (Nm)		Screw (DIN 933) 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 ΔK_r (mm)	axial ΔK_a (mm)	angular ΔK_w (°)
-10	49	67	6 ~	5 ~	40	15.5	M4	34	M3	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	2.1					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
  Collet Clamp (Size 10 to Size 60): Aluminium
  Collet Clamp (Size 80 to Size 500): Steel
  Outer Cone: Steel

- Keyway acc. DIN 6885 optional

- Temperature Range: -30°C ~ 120°C

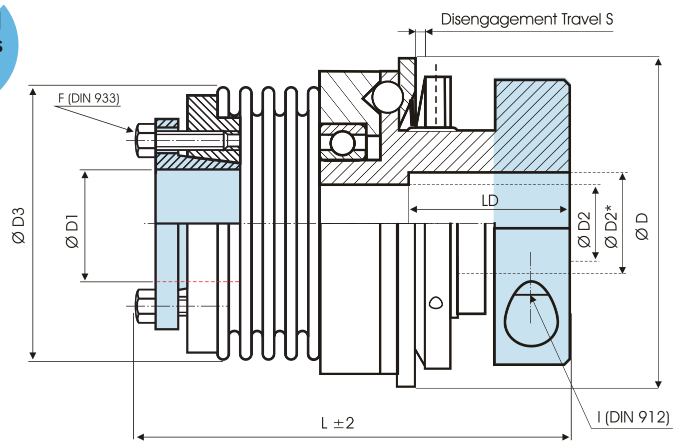
KBK/BIK-10~500

Safety Coupling

with Inner Cone and Collet Clamp

optional nickel-plated!

optional stainless steel



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)		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	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				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				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				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				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				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				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				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				26	125							320	970	85	0.25		2

Size	2	4.5	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

Material: Bellows: Stainless Steel
Collet Clamp (Size 10 to Size 60): Aluminium
Collet Clamp (Size 80 to Size 500): Steel
Inner Cone: Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

Bore > Ø D1 and ≤ D1* only possible over LD

KBK Antriebstechnik GmbH

Votre distributeur France : http://vicatronic.fr contact@vicatronic.fr Tél : +33 (0) 248 566 335

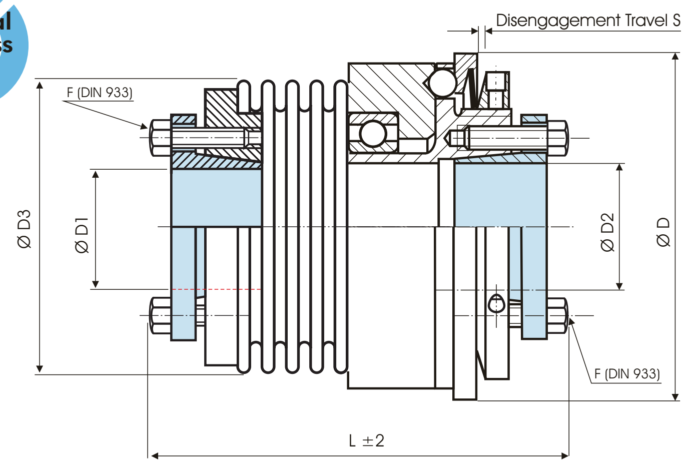
KBK/BII-10~1400

Safety Couplings

with 2 Inner Cones

optional nickel-plated!

optional stainless steel



Order Code: KBK/BII - 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/BII-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) TA (Nm)		rpm. (1/min)	(kg)	J (kg cm²)	1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-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				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				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				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				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				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				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				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				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
						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
						80												

Material: Bellows: Stainless Steel Inner Cone: Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

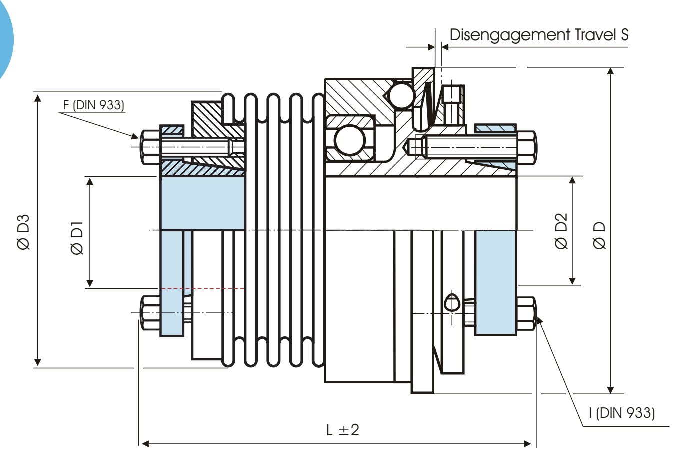
KBK/BIA-10~1400

Safety Couplings

with Inner Cone and Outer Cone

optional nickel-plated!

optional stainless steel



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	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 933) 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	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				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				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 Inner Cone: Steel Outer Cone: Steel

Keyway acc. DIN 6885 optional

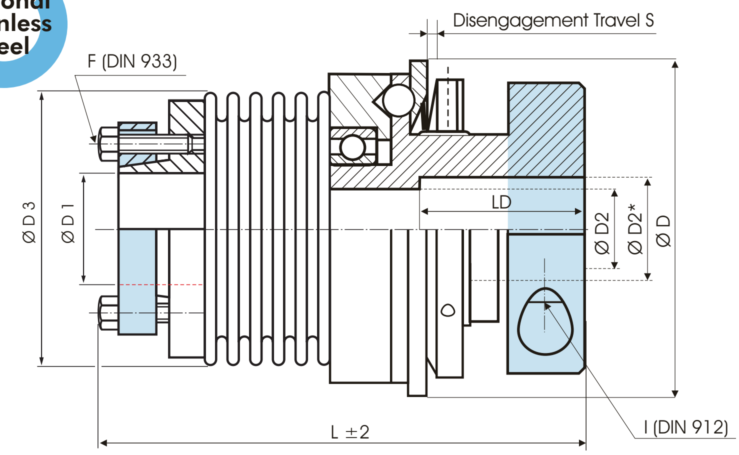
Temperature Range: -30°C ~ 120°C

Safety Couplings

with Outer Cone and Collet Clamp

optional nickel-plated!

optional stainless steel



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	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				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				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				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				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				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				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				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				36		125						320	970	85	0.25	1	2

- Bore > Ø D1 and ≤ D1* only possible over LD
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

Size	2	4.5	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

- Material: Bellows: Stainless Steel
  Collet Clamp (Size 10 to Size 60): Aluminium
  Collet Clamp (Size 80 to Size 500): Steel
  Outer Cone: Steel

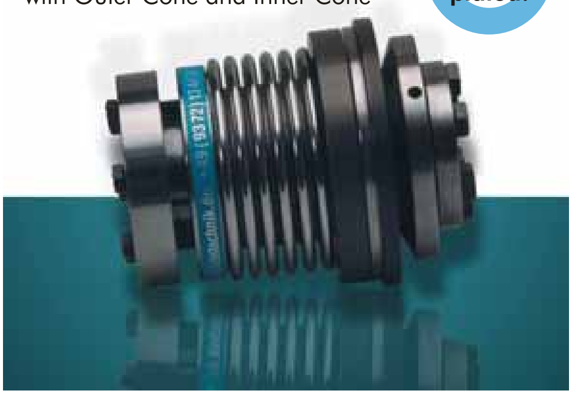
KBK/BAI-10~1400

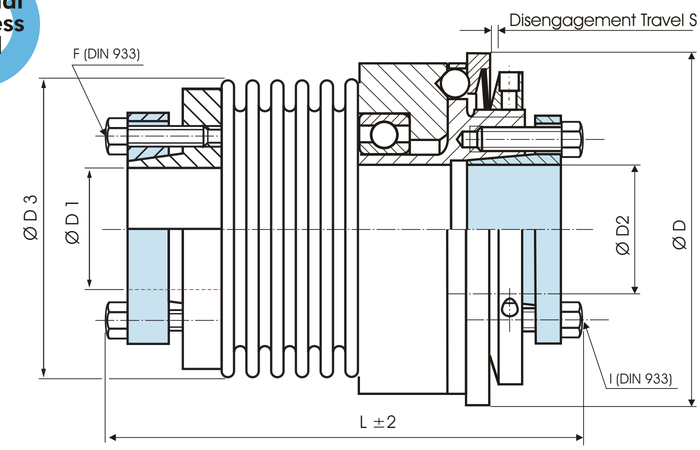
Safety Couplings

with Outer Cone and Inner Cone

optional nickel-plated!

optional stainless steel





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) TA (Nm)		Screw (DIN 933) TA (Nm)	rpm. (1/min)	(kg)	J (kg cm²)	1 TKN (Nm)	2 TKN (Nm)	torsional x10³ CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-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				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				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	25-45	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

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 120°C

KBK Antriebstechnik GmbH

Votre distributeur France : http://vicatronic.fr contact@vicatronic.fr Tél : +33 (0) 248 566 335

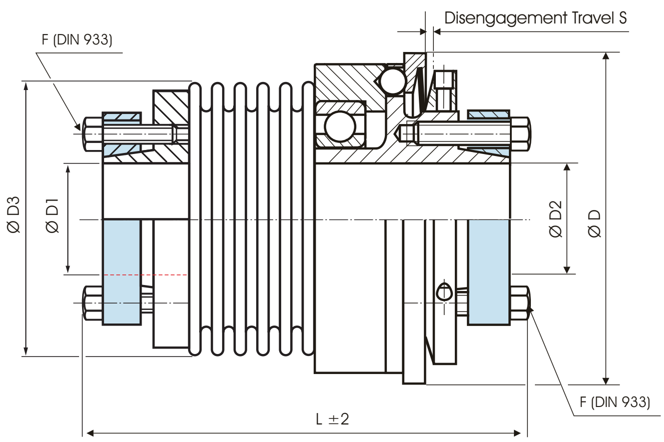
KBK/BAA-10~1400

Safety Couplings

with 2 Outer Cones

optional nickel-plated!

optional stainless steel



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) ØD Outer Ø	L Length	ØD1 Bore Size (H7) min~max	ØD2 Bore Size (H7) min~max	ØD3	F Screw (DIN 933) T_A (Nm)	S	Technical Ratings: Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Overload Torque adjustable 1 T_{KN} (Nm)	Overload Torque adjustable 2 T_{KN} (Nm)	Spring Stiffness torsional x10³ C_T (Nm/rad)	Spring Stiffness radial C_R (N/mm)	Spring Stiffness axial C_A (N/mm)	Misalignment radial ΔKr (mm)	Misalignment axial ΔKa (mm)	Misalignment angular ΔKw (°)
-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				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				5.9							28	225	28	0.25	1	2
-60	79	97	15-32	15-32	66	M5	1.2	8180	1.41	8.6	12-35	20-60	75	1150	90	0.15	0.6	1.5
		108				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				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				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				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				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				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
						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
						115												

Material: Bellows: Stainless Steel Hubs: 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

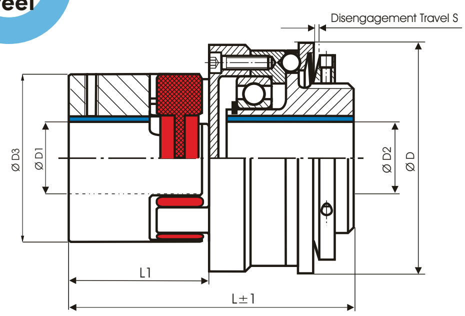
KBK/EAA14~42
with 2 Outer Cones

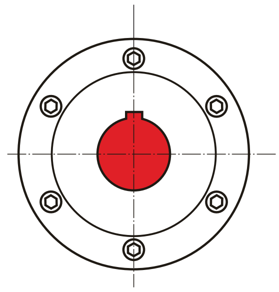
Safety Coupling

with 2 Keyways

optional nickel-plated!

optional stainless steel





Order Code: KBK/EPP - 24 - 98.5 - N16H7 - N15H7 - 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 Engagment

KBK/EPP-x	Dimensions (mm)							Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	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				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)	angular ΔK_w (°)
-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	10-30	0.06	+1.2 / -0.5	0.9
-24	79	98.5	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	157	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
Hub: Aluminum

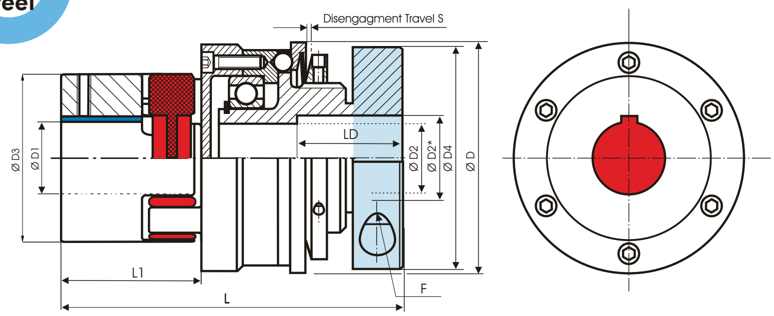
Temperature Range: -30°C ~ 90°C

Keyway acc. DIN 6885 optional

Safety Couplings

with Keyway and Collet Clamp

optional nickel-plated! **optional stainless steel**



Order Code: KBK/EPK - 24 - 126.5 - N16H7 - 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/EPK-x	Dimension (mm)									Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	Ø D4	F	L1	S	Maximum Speedl	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)			rpm. (1/min)	(kg)	J (kg cm²)	T_{KN} (Nm)	1 T_{KN} (Nm)	2 T_{KN} (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	65	6-16	6-16	30	40.5	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	10-20	40	56	M6 15	41	1.2	8950	0.77	3.2	17	5-15	10-30	0.06	+1.2 -0.5	0.9
-24	79	126.5	16-28	12-28	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	14-35	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	30-50	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	35-56	95	122	M12 125	76	2	4440	10.5	186	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Size	2	4.5	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

- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 90°C
- Bore > Ø D1 and ≤ D1* only possible over LD
- Material: Insert: Polyurethane 98 Sh A red
  Hub: Aluminium
  Collet Clamp: Aluminum

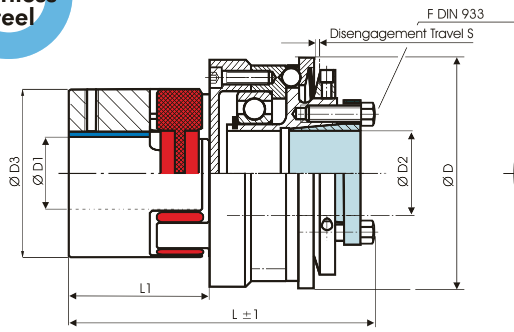
KBK/EPI-14~42

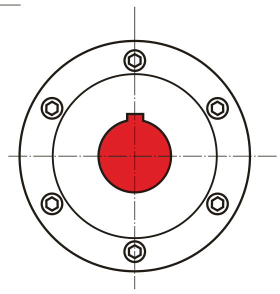
Safety Coupling

mit Keyway and Inner Cone

optional nickel-plated!

optional stainless steel





Order Code: KBK/EPI - 24 - 111.5 - N16H7 - 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/EPI-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) min ~ max	Bore Size (H7) min ~ max		Screw (DIN 933) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	65	6-16	6-14	30	M3 2.1	24	0.7	11690	0.22	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	93	10-24	12-20	40	M5 6	41	1.2	8950	0.72	2.9	17	5-15	10-30	0.06	+1.2 -0.5	0.9
-24	79	111.5	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	175	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
Hub: Aluminum
Inner Cone: Steel

Temperature Range: -30°C ~ 90°C

Keyway acc. DIN 6885 optional

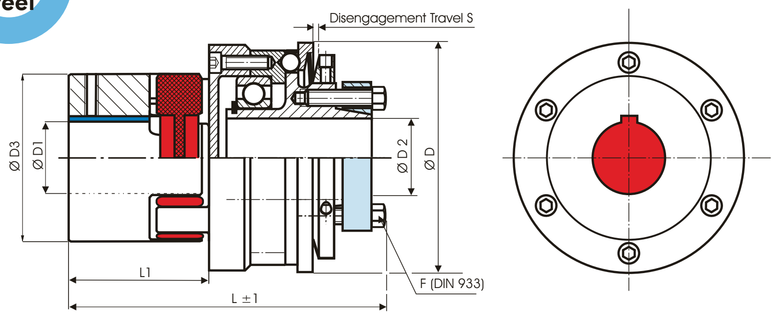
KBK/EPA-14~42

Safety Coupling

with Keyway and Outer Cone

optional nickel-plated!

optional stainless steel



Order Code: KBK/EPA - 24 - 119.5 - N16H7 - 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/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	Length	Bore Size (H7) min ~ max	Bore Size (H7) min ~max		Screw (DIN 933) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	67	6-16	5-14	30	M3 2.1	24	0.7	11690	0.22	0.5	12.5	3-7	5-10	0.09	+1.0 -0.5	0.9
-19	64	96	10-24	12-20	40	M5 5.9	41	1.2	8950	0.71	2.9	17	5-15	10-30	0.06	+1.2 -0.5	0.9
-24	79	119.5	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	189	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
Hub: Aluminum
Outer Cone: Steel

Temperature Range: -30°C ~ 90°C

Keyway acc. DIN 6885 optional

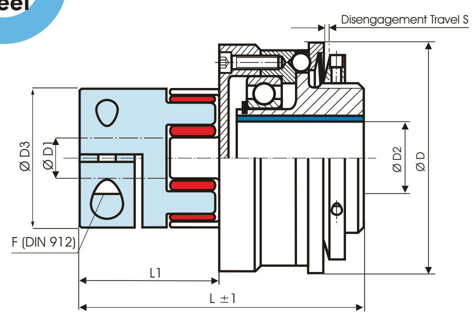
KBK/EKP-14~42

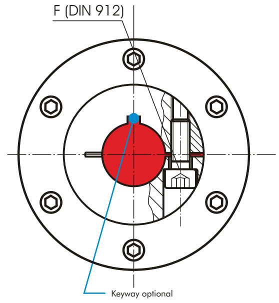
Safety Couplings

with Collet Clamp and Keyway

optional nickel-plated!

optional stainless steel





Order Code: KBK/EKP - 24 - 98.5 - 16H7 - N15H7 - 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 Engagment

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) min ~ max	Bore Size (H7) min ~ max		Schrew (DIN 912) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	55	4-16	6-12	30	M3	24	0.7	11690	0.21	0.5	12.5	3-7	5-10	0.09	+1.0	0.9
						1.4										-0.5	
-19	64	81	10-22	10-16	40	M6/11	41	1.2	8950	0.65	2.7	17	5-15	10-30	0.06	+1.2	0.9
		73				M6/11	33									-0.5	
-24	79	98.5	15-32	15-24	55	M6/11	50	1.2	7630	1.24	7.6	60	12-35	20-60	0.10	+1.4	0.9
		88.5				M6/11	40									-0.5	
-28	94	121	19-38	19-29	65	M8/25	59	2	6030	2.1	18	160	50-130	65-150	0.11	+1.5	0.9
		107				M8/25	45									-0,7	
-38	119	134	20-45	20-42	80	M8/25	67	2	4980	3.8	57	325	60-200	150-300	0.12	+1.8	0.9
		120				M10/49	53									-0,7	
-42	129	157	28-45	20-50	95	M10	76	2	4440	5.9	104	450	80-250	200-500	0.14	+2.0	0.9
						70										-1.0	

- Material: Insert: Polyurethane 98 Sh A rot
  Collet Clamp: Aluminum
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 90°C
- Slit (Sizes 14 and 19): single*
  Slit (Sizes 24 - 42): double

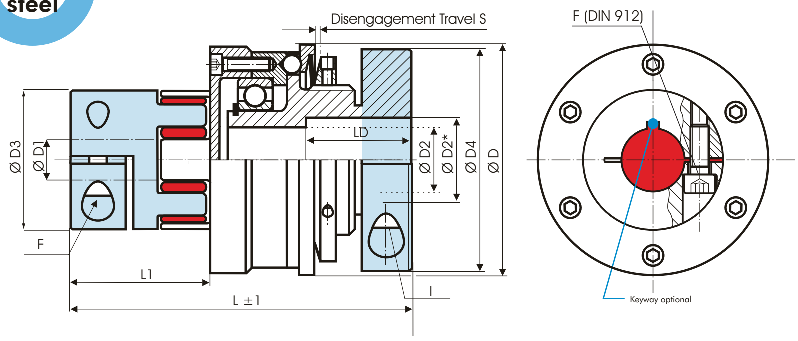
* Short lengths are automatically with single slits.

Safety Coupling

with 2 Collet Clamps

optional nickel-plated!

optional stainless steel



Order Code: KBK/EKK - 24 - 126.5 - 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) TA (Nm)	Screw (DIN 912) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	65	4-16	6-16	30	40.5	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	10-20	40	56	M6/11 M6/11	M6 15	41 33	1.2	8950	0.79	3.2	17	5-15	10-30	0.06	+1.2 -0.5	0.9
-24	79	126.5 116.5	15-32	12-28	55	66	M6/11 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	14-35	65	82	M8/25 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	30-50	80	110	M8/25 M10/49	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	35-56	95	122	M10 70	M12 125	76	2	4440	8.5	150	450	80-250	200-500	0.14	+2.0 -1.0	0.9

Size	2	4.5	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

- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 90°C
- Bore > Ø D1 and ≤ D1* only possible over LD
- Material: Insert: Polyurethane 98 Sh A red
  Collet Clamp: Aluminum
- Slit (Sizes 14 and 19): single*
  Slit (Sizes 24 - 42): double

* Short lengths are automatically with single slits.

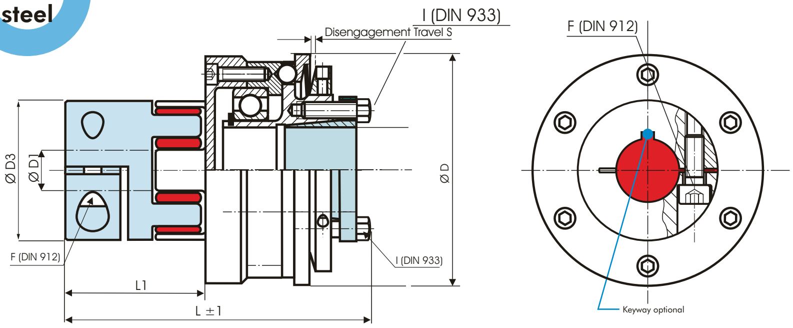
KBK/EKI-14~42

Saftey Couplings

with Collet Clamp and Inner Cone

optional nickel-plated!

optional stainless steel



KBK

Order Code: KBK/EKI - 24 - 111.5 - 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								
	Ø D	L	Ø D1	Ø D2	Ø D3	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) TA (Nm)	Screw (DIN 933) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-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	2.1										-0.5	
-19	64	93	10-22	12-20	40	M6/11	M5	41	1.2	8950	0.74	3.0	17	5-15	10-30	0.06	+1.2	0.9
		85				M6/11	6	33									-0.5	
-24	79	111.5	15-32	15-25	55	M6/11	M6	50	1.2	7630	1.42	8.7	60	12-35	20-60	0.10	+1.4	0.9
		101.5				M6/11	8.5	40									-0.5	
-28	94	135	19-38	20-35	65	M8/25	M6	59	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5	0.9
		121				M8/25	14	45									-0,7	
-38	119	151	20-45	25-50	80	M8/25	M8	67	2	4980	4.6	69	325	60-200	150-300	0.12	+1.8	0.9
		137				M10/49	20	53									-0,7	
-42	129	175	28-45	35-55	95	M10	M8	76	2	4440	6.7	120	450	80-250	200-500	0.14	+2.0	0.9
						70	26										-1.0	

Material: Insert: Polyurethane 98 Sh A red
Collet Clamp: Aluminum
Inner Cone: Steel

Keyway acc. DIN 6885 optional

Temperature Range: -30°C ~ 90°C

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

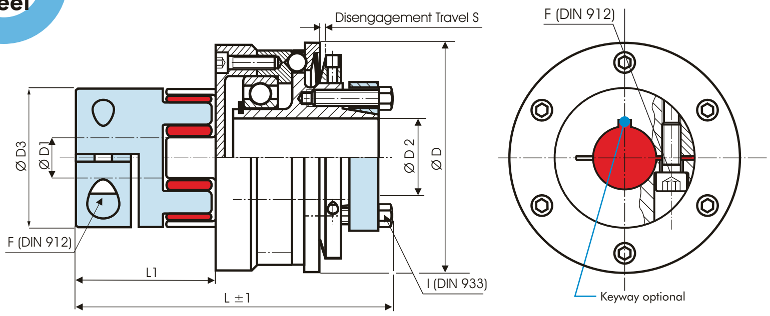
* Short lengths are automatically with single slits.

Safety Coupling

with Collet Clamp and Outer Cone

optional nickel-plated!

optional stainless steel



Order Code: KBK/EKA - 24 - 119.5 - 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								
	Ø D	L	Ø D1	Ø D2	Ø D3	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) TA (Nm)	Screw (DIN 933) TA (Nm)			rpm. (1/min)	(kg)	J (kg cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-14	49	67	4-16	5-14	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	2.1										-0.5	
-19	64	96	10-22	12-20	40	M6/11	M5	41	1.2	8950	0.73	3.0	17	5-15	10-30	0.06	+1.2	0.9
		88				M6/11	5.9	33									-0.5	
-24	79	119.5	15-32	15-32	55	M6/11	M5	50	1.2	7630	1.41	8.6	60	12-35	20-60	0.10	+1.4	0.9
		109.5				M6/11	8.7	40									-0.5	
-28	94	144	19-38	20-35	65	M8/25	M6	59	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5	0.9
		130				M8/25	15	45									-0,7	
-38	119	160	20-45	25-50	80	M8/25	M8	67	2	4980	4.5	67	325	60-200	150-300	0.12	+1.8	0.9
		146				M10/49	25	53									-0,7	
-42	129	189	28-45	35-55	95	M10	M8	76	2	4440	6.8	120	450	80-250	200-500	0.14	+2.0	0.9
						70	36										-1.0	

- Material: Insert: Polyurethane 98 Sh A red
  Collet Clamp: Aluminum
  Outer Cone: Steel
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 90°C
- Slit (Sizes 14 and 19): single*
  Slit (Sizes 24 - 42): double

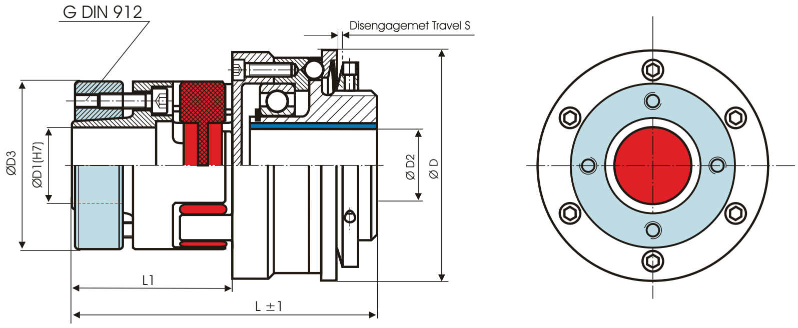
* Short lengths are automatically with single slits.

Safety Coupling

with Outer Cone and Keyway

optional nickel-plated!

optional stainless steel



Order Code: KBK/EAP - 24 - 98.5 - 16H7 - N15H7 - 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/EAP-x	Dimensions (mm)								Technical Ratings								
	Ø D	L	Ø D1	Ø D2	Ø D3	G	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)			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	10-30	0.06	+1.2	0.9
		76				2.9	36									-0.5	
-24	79	98.5	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
		91.5				6	43									-0.5	
-28	94	121	19-38	19-29	65	M5	59	2	6030	2.4	21	160	50-130	65-150	0.11	+1.5	0.9
		114				6	52									-0,7	
-38	119	135	20-45	20-42	80	M6	67	2	4980	4.6	69	325	60-200	150-300	0.12	+1.8	0.9
		126				10	58									-0,7	
-42	129	157	28-50	20-50	95	M8	76	2	4440	8.9	158	450	80-250	200-500	0.14	+2.0	0.9
		145.5				35	64									-1.0	

Material: Insert: Polyurethane 98 Sh A red
Hub: Aluminum
Outer Cone: Steel

Temperature Range: -30°C ~ 90°C

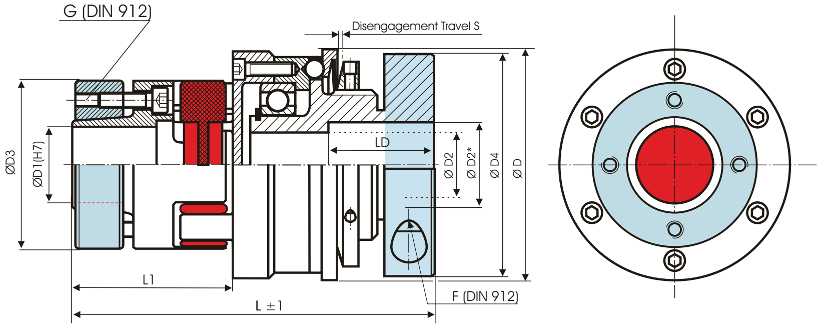
Keyway acc. DIN 6885 optional

Safety Coupling

mit Outer Cone and Collet Clamp

optional nickel-plated!

optional stainless steel



Order Code: KBK/EAK - 24 - 126.5 - 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	Ø D Outer Ø	L Length	Ø D1 Bore Size (H7) min ~ max	Ø D2 Bore Size (H7) min ~ max	Ø D3	Ø D4	G Screw (DIN 912) TA (Nm)	F Screw (DIN 912) TA (Nm)	L1	S	Maximum Speed rpm. (1/min)	Mass (kg)	Moment of Inertia J (kg cm²)	Torque 98 Sh TKN (Nm)	Overload Torque adjustable 1 TKN (Nm)	Overload Torque adjustable 2 TKN (Nm)	Misalignment radial ΔKr (mm)	Misalignment axial ΔKa (mm)	Misalignment angular ΔKw (°)
-14	49	73	6-14	6-16	30	40.5	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	10-20	40	56	M4	M6	41	1.2	8950	0.85	3.5	17	5-15	10-30	0.06	+1.2	0.9
		95					2.9	15	36									-0.5	
-24	79	126.5	15-25	12-28	55	66	M5	M8	50	1.2	7630	1.67	10.2	60	12-35	20-60	0.10	+1.4	0.9
		119.5					6	36	43									-0.5	
-28	94	142	19-38	14-35	65	82	M5	M10	59	2	6030	3.4	30	160	50-130	65-150	0.11	+1.5	0.9
		135					6	72	52									-0,7	
-38	119	160	20-45	30-50	80	110	M6	M12	67	2	4980	6.5	98	325	60-200	150-300	0.12	+1.8	0.9
		151					10	125	58									-0,7	
-42	129	195	28-50	35-56	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	

Size	2	4.5	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

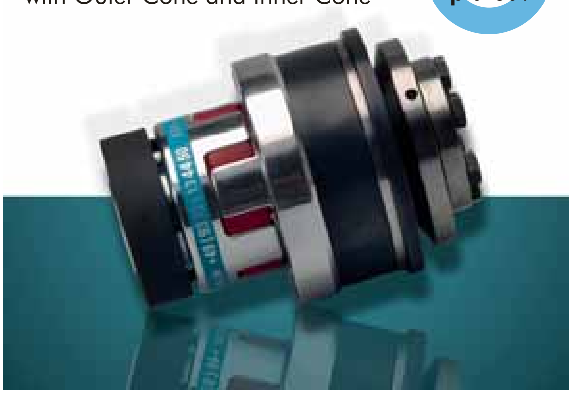
- Material: Insert: Polyurethane 98 Sh A red
  Hub: Aluminum
  Outer Cone: Steel
- Bore > Ø D1 and ≤ D1* only possible over LD
- Keyway acc. DIN 6885 optional
- Temperature Range: -30°C ~ 120°C

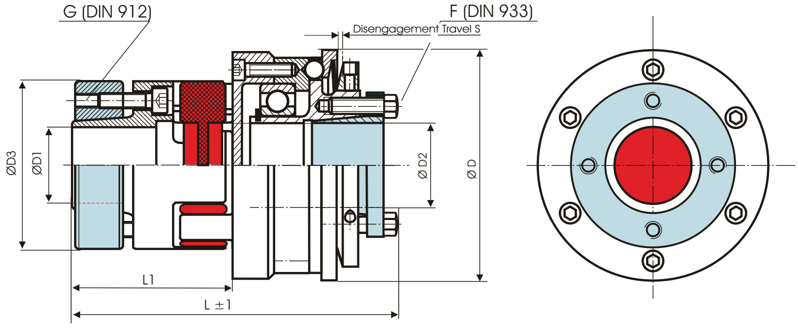
Safety Coupling

with Outer Cone and Inner Cone

optional nickel-plated!

optional stainless steel





Order Code: KBK/EAI - 24 - 111.5 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/EAI-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 cm²)	TKN (Nm)	1 TKN (Nm)	2 TKN (Nm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
-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	2.1	27									-0.5	
-19	64	93	10-19	12-20	40	M4	M5	41	1.2	8950	0.80	3.3	17	5-15	10-30	0.06	+1.2	0.9
		88				2.9	6	36									-0.5	
-24	79	111.5	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
		104.5				6	8.5	43									-0.5	
-28	94	135	19-38	20-35	65	M5	M6	59	2	6030	2.7	24	160	50-130	65-150	0.11	+1.5	0.9
		128				6	14	52									-0,7	
-38	119	152	20-45	25-50	80	M6	M8	67	2	4980	5.4	81	325	60-200	150-300	0.12	+1.8	0.9
		143				10	20	58									-0,7	
-42	129	175	28-50	35-55	95	M8	M8	76	2	4440	9.7	173	450	80-250	200-500	0.14	+2.0	0.9
		163.5				35	26	64									-1.0	

Material: Insert: Polyurethane 98 Sh A red
Hub: Aluminum
Outer Cone: Steel
Inner Cone: Steel

Temperature Range: -30°C ~ 90°C

Keyway acc. DIN 6885 optional

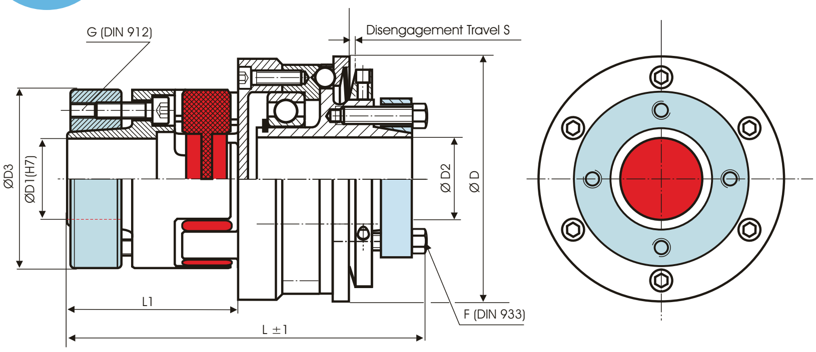
KBK/EAA-14~42

Safety Coupling

with 2 Outer Cones

optional nickel-plated!

optional stainless steel



KBK

Order Code: KBK/EAA - 24 - 119.5 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/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 1	Overload Torque adjustable 2	Misalignment radial	Misalignment axial	Misalignment angular
	Outer Ø	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 cm²)	T_{KN} (Nm)	T_{KN} (Nm)	T_{KN} (Nm)	ΔK_r (mm)	ΔK_a (mm)	ΔK_w (°)
-14	49	75	6-14	5-14	30	M3	M3	32	0.7	11690	0.29	0.7	12.5	3-7	5-10	0.09	+1.0	0.9
		70				1.34	2.1	27									-0.5	
-19	64	96	10-19	12-20	40	M4	M5	41	1.2	8950	0.79	3.2	17	5-15	10-30	0.06	+1.2	0.9
		91				2.9	6	36									-0.5	
-24	79	119.5	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
		112.5				6	8.7	43									-0.5	
-28	94	143.5	19-38	20-35	65	M5	M6	59	2	6030	2.8	24	160	50-130	65-150	0.11	+1.5	0.9
		136.5				6	15	52									-0,7	
-38	119	160	20-45	25-50	80	M6	M8	67	2	4980	5.3	79	325	60-200	150-300	0.12	+1.8	0.9
		151				10	25	58									-0,7	
-42	129	189	28-50	35-55	95	M8	M8	76	2	4440	9.8	174	450	80-250	200-500	0.14	+2.0	0.9
		177.5				35	36	64									-1.0	

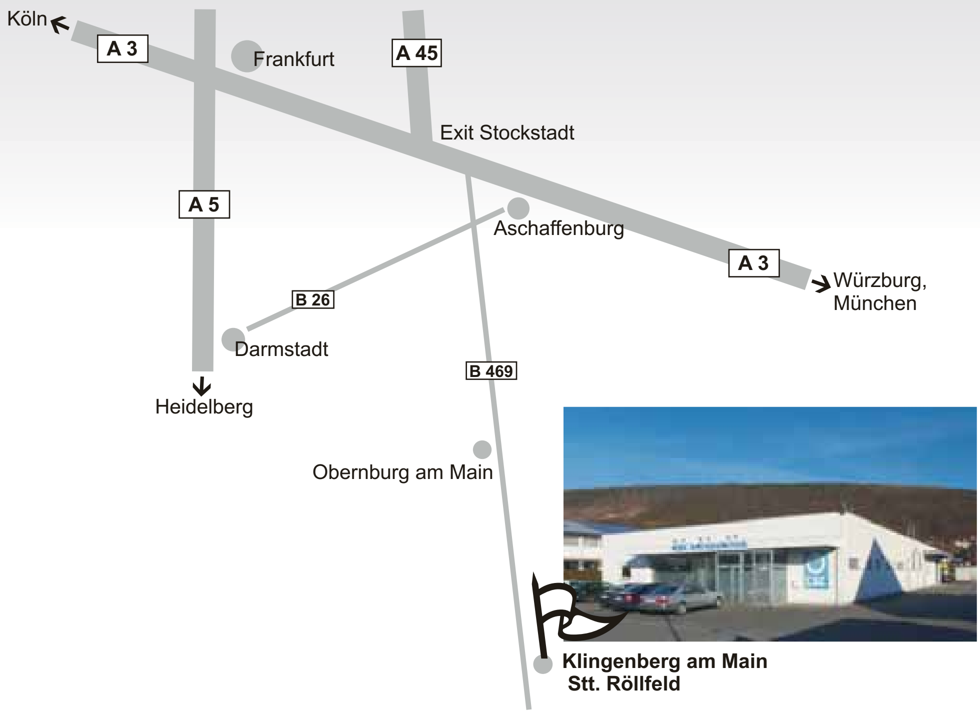
- Material: Insert: Polyurethane 98 Sh A red
  Hub: Aluminum
  Outer Cone: Steel

- Temperature Range: -30°C ~ 90°C

- Keyway acc. DIN 6885 optional

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:

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.

04/2015

KBK Antriebstechnik GmbH
Unterlandstraße 46 · 63911 Klingenberg · Germany
Phone: +49-9372-940 61-0
Fax: +49-9372-940 61-29
e-Mail: info@kbk-antriebstechnik.de
www.kbk-antriebstechnik.de
www.kbk-couplingsystems.com