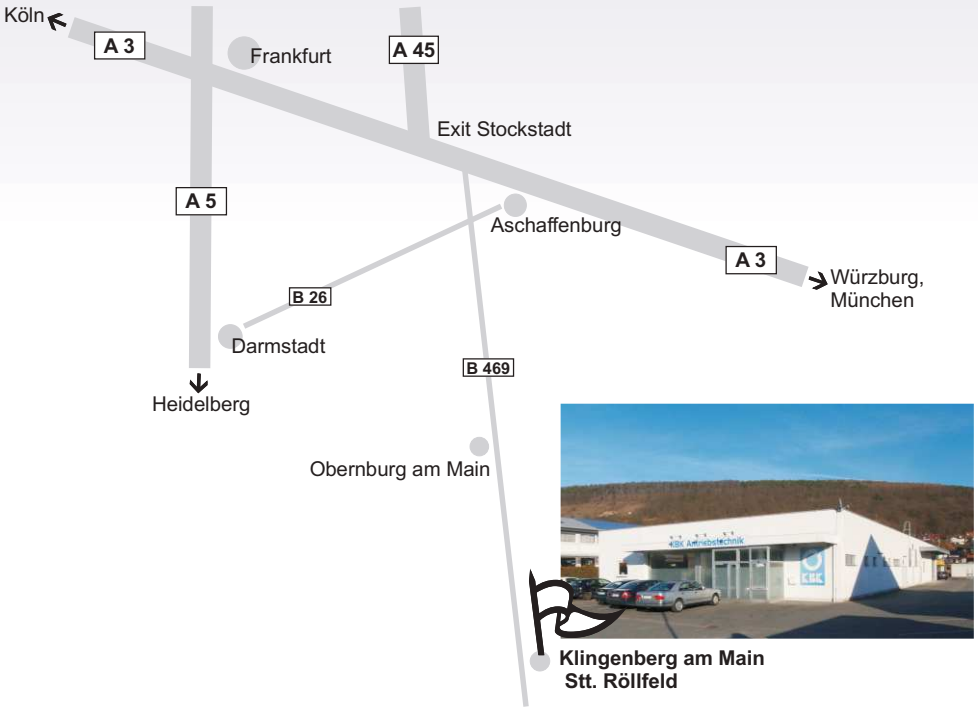
Miniature Couplings
Bellows Couplings
Servo Insert Couplings
Line Shafts

KBK Antriebstechnik GmbH +49(9372) 134450

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.



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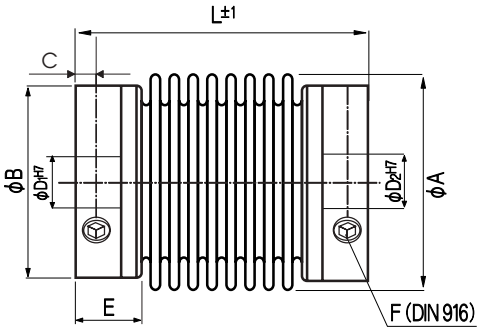
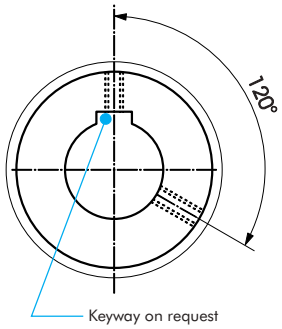




Order Code: KB 1 / 45 - 40 - 10 - 18 (- S)

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

	Torque	Dimensions (mm)							Technical Ratings							
		L	Ø A	D1/D2	Ø B	C	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment		
	TKN (Nm)	Length (±1)	Outer Ø	Bohre Sizes (H7) min ~ max	Hub Ø		Hub-Length	Screw (DIN 916) TA (Nm)	(g)	J (g cm²)	torsinal CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
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						0.5	4.5	1.5	200	18	10	0.15	0.3	1.5
		27							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						0.5	6	2	380	31	20	0.15	0.3	1.5
		29							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						1.5	13	12.6	1300	21	11	0.2	0.4	1.5
		32							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}

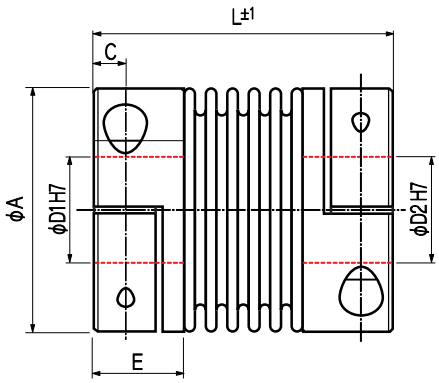
Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

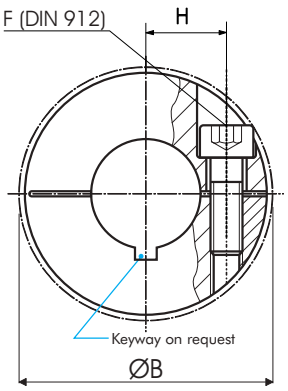
Material: Bellows - Stainless Steel, Size 05: Bronze
Hub - Aluminium (also available in Stainless Steel)

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 ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
KB2/1	0.1	25	10	1-4	3.4	2	11	7	M1.6	3	0.5	65	10	14	0.12	0.2	1.2
									0.1								
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

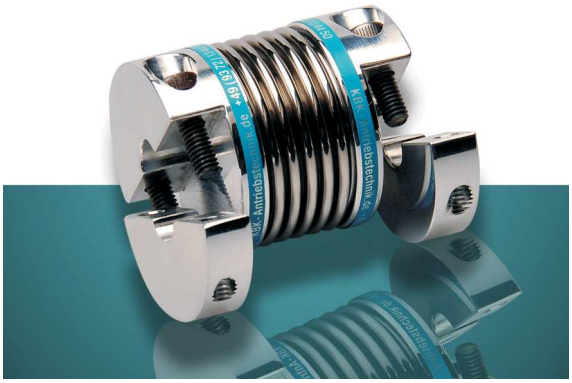
Speed: max. 15000 min^{-1}

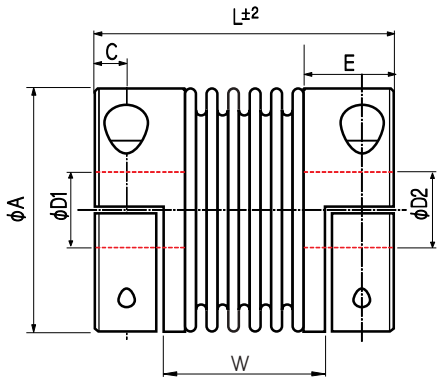
Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

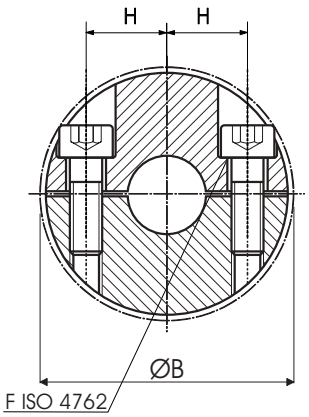
Material: Bellows - Stainless Steel
Hub - Aluminium (also available in Stainless Steel)

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		
													torsional	radial	axial	radial	axial	angular
	TKN (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max						Screw (DIN 912) TA (Nm)	(g)	J (g cm²)	CT (Nm/rad)	CR (N/mm)	CA (N/mm)	ΔKr (mm)	ΔKa (mm)	ΔKw (°)
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}

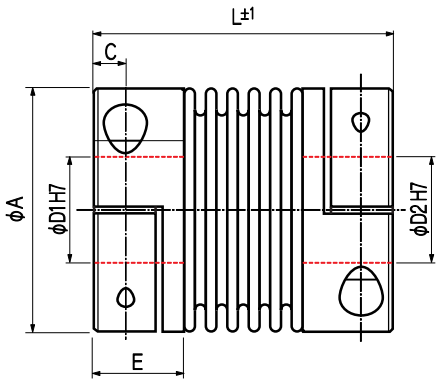
Hub: Bore Tolerance: H7 Keyway acc. DIN 6885 optional

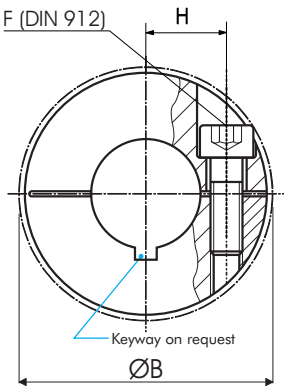
Material: Bellows - Stainless Steel
Hub - Aluminium

Temperature Range: -30° ~ 120° C

Miniature Metal Bellows Coupling Stainless Steel

with Collet Clamps





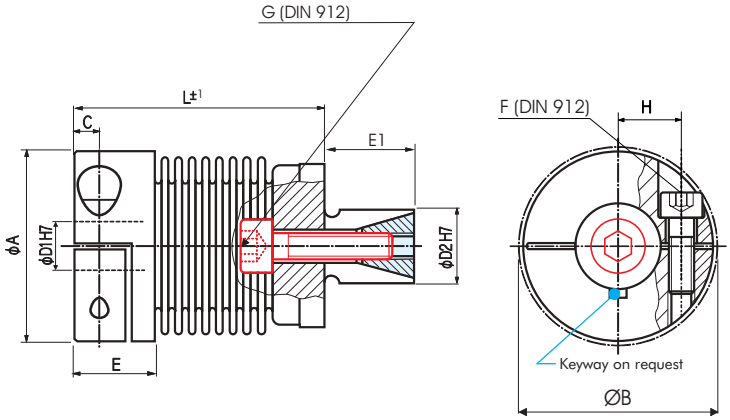
Order Code: KB 2 / 45 - 55 - 10 - 16 - VA/VAW

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

VA/VAW	Torque	Dimensions (mm)								Technical Ratings							
		L	Ø A	D1/D2	H	C	Ø B	E	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment		
												torsial	radial	axial	radial	axial	angular
	TKN (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max			Max Ø	Hub-length	Screw (DIN 912)		J	CT	CR	CA	ΔKr	ΔKa	ΔKw
KB2/1	0.1	25	10	1-4	3.4	2	11	7	M1.6	7	1	65	10	14	0.12	0.2	1.2
									0.1								
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		
	TKN (Nm)	Length (±1)	Outer Ø	Bore Sizes (H7) min ~ max	Bore Size (H7)	Max. Ø					Screw (DIN 912) TA (Nm)	(g)	J (g cm²)	torsional CT (Nm/rad)	radial CR (N/mm)	axial CA (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

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KB4H/18~500

Bellows Couplings
with Split Hubs

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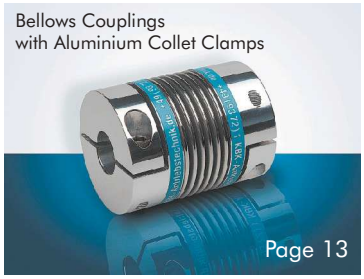
KB4AL/80~500

Bellows Couplings
with Aluminium Collet Clamps



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KB4C/18~500

Bellows Couplings Compact Version
with Collet Clamps

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KB4HC/18~500

Bellows Couplings Compact Version
with Split Hubs

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KB4F/18~1400

Bellows Couplings
with Flange Adaptor

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KB4VA/18~500

Bellows Couplings
Stainless Steel glued or welded

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KB5/18~5000

Bellows Couplings
with Inner Conical Hubs

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KB6/18~5000

Bellows Couplings
with Outer Conical Hubs

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KB7/18~5000

Bellows Couplings
for Flange Mounting

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KB8/18~300

Bellows Couplings
with Expanding Clamp

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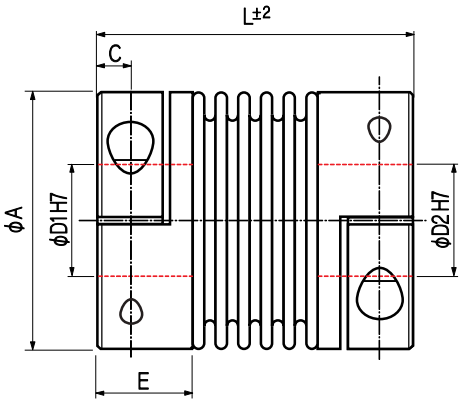
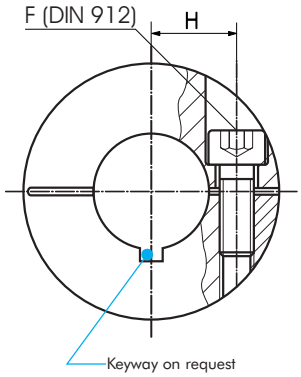
Bellows Couplings





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

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

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	H	C	E	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
											torsional	radial	axial	radial	axial	angular	
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) TA (Nm)	(kg)	(g m²)	CT 10³ (Nm/rad)	CR (N/mm)	CA (N/mm)	ΔKr (mm)	ΔKa (mm)	ΔKw (°)	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

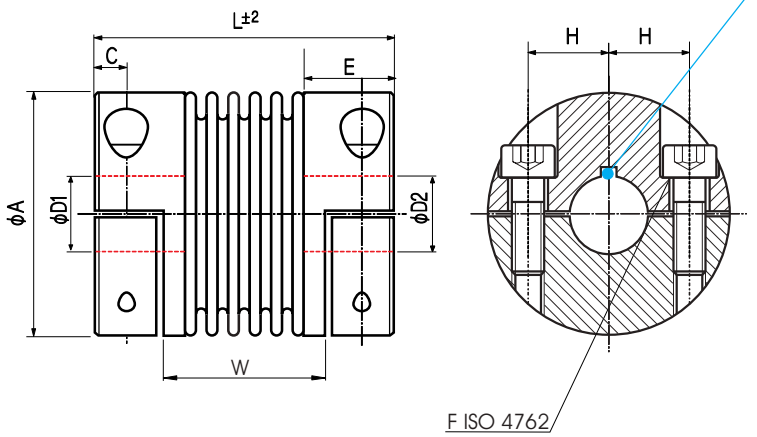
Material-Hubs:

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

Bellows Couplings

with Split Hubs



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

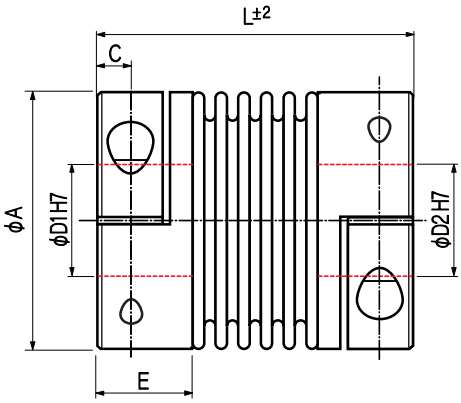
Type / Size | Length | Ø D1 (H7) | Ø D2 (H7) | Options

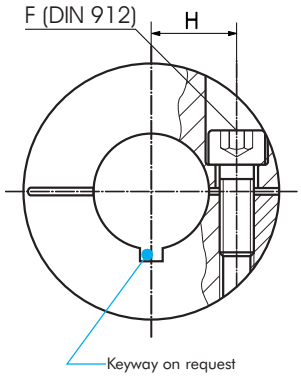
	Torque	Dimensions (mm)								Technical Ratings								
		L	Ø A	D1/D2	H	C	E	W	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) TA (Nm)	(kg)	(g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial 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

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	D1/D2	H	C	E	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) TA (Nm)	(kg)	(g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	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

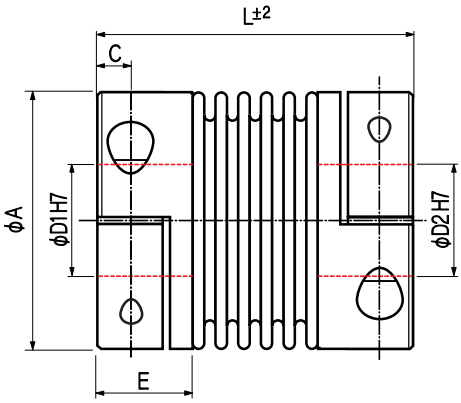
Aluminium Collet Clamps reduce mass and moment of inertia.

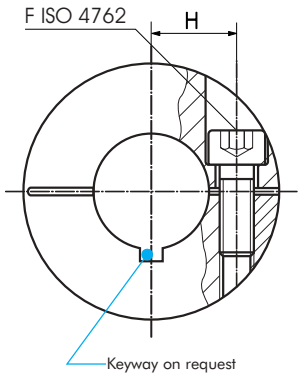
Material: Bellows - Stainless Steel
Hubs - Aluminium

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

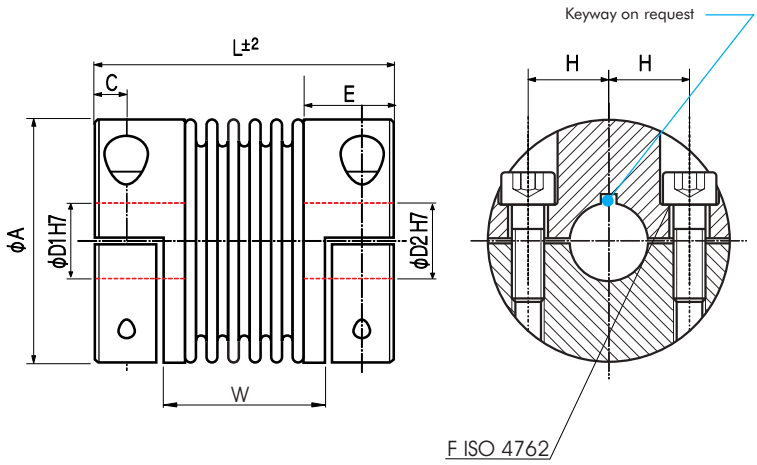
	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	H	C	E	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) TA (Nm)	(kg)	(g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	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

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

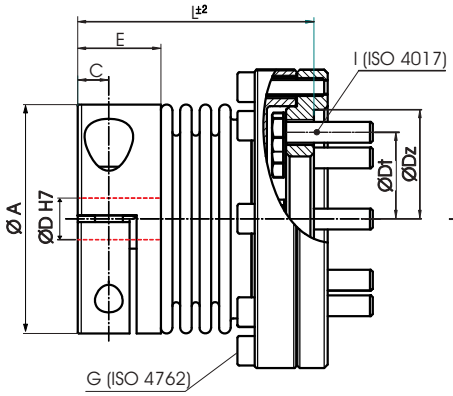
	Torque	Dimensions (mm)								Technical Ratings								
		L	Ø A	D1/D2	H	C	E	W	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) T_A (Nm)	(kg)	(g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	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

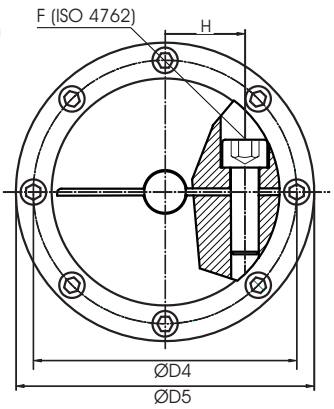
Material: Bellows - Stainless Steel
Hubs - Aluminium

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	Dimensions (mm)								Technical Ratings									
		L	Ø A	D1	H	C	E	D4	F/G	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)					Screw (DIN 912) TA (Nm)	(kg)	J (g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	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									

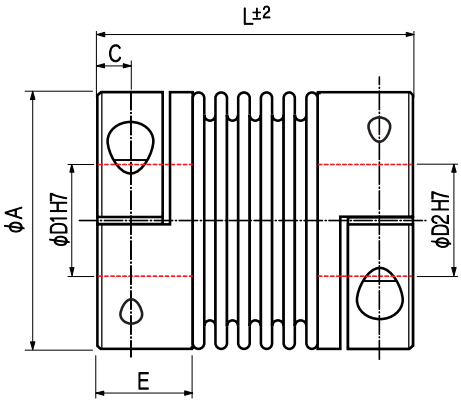
Material: Bellows - Stainless Steel
Nubs - to Size 500 Aluminium,
Size 1400 Steel

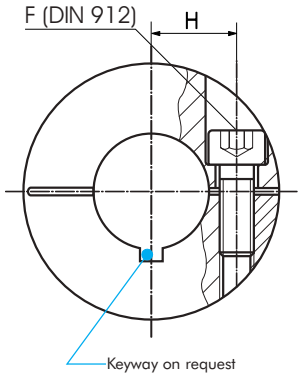
Temperature Range: -30°C ~ 120°C

	Dimensions (mm)				
	G	D5	Dt	Dz	I
	Screw (ISO4762)				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





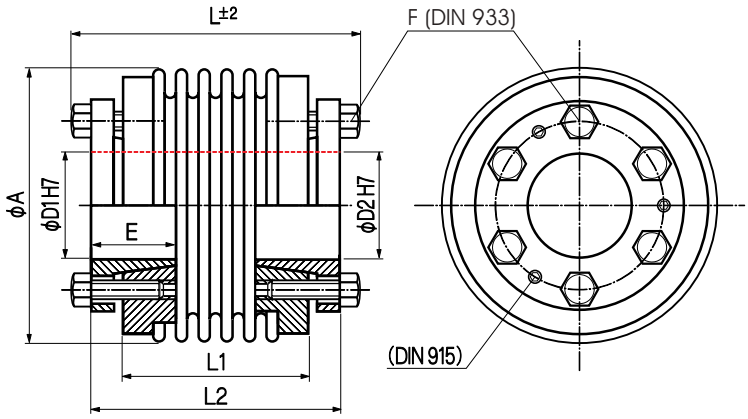
Order Code: KB 4 / 60 - 89 - 12 - 32 - VA/VAW

Type / Size | Length | Ø D1 (H7) | Ø D2 (H7) | Stainless Steel laserwelded / Stainless Steel glued

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	H	C	E	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Sizes (H7)				Screw (DIN 912) TA (Nm)	(kg)	(g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (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



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

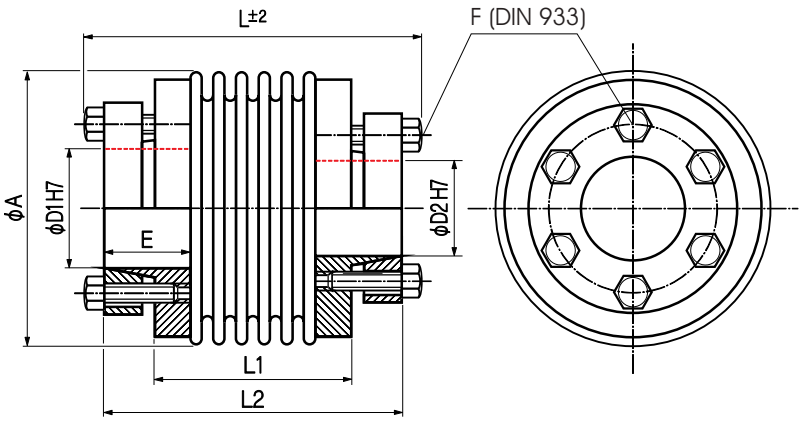
Type / Size | Length | Ø D1 (H7) | Ø D2 (H7) | Options

	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	E	L1	L2	F	Mass	Moment of Inertia	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Size (H7)	Hub Length			Screw (DIN 933) TA (Nm)	(kg)	J (g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (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	9.05	24.05	760	500	185	0.2	0.8	1.8	3700
								45									
KB5/1400	1400	170	157	50-70	60	110	150	6xM16	9.15	24.2	1270	700	275	0.2	0.8	1.8	3700
								80									
KB5/3000	3000	206	157	55-85	60	150	190	6xM12	9.43	25.7	2810	2945	305	0.2	0.8	1.5	2800
								85									
KB5/5000	5000	206	208	60-90	65	146	186	6xM16	19.9	96.7	4810	4915	505	0.2	0.8	1.5	2800
								210									

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

Temperature Range: -30° ~ 120° C

Bellows Couplings



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

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

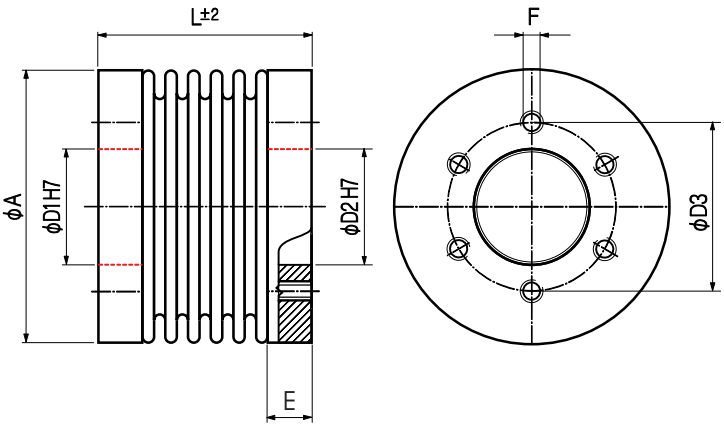
	Torque	Dimensions (mm)							Technical Ratings								
		L	Ø A	D1/D2	E	L1	L2	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	TKN (Nm)	Length (±2)	Outer Ø	Bore Size (H7)	Hub Length			Screw (DIN 933) TA (Nm)	(kg)	(g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	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	8.87	24.9	760	500	185	0.2	0.8	1.8	3700
								85									
KB6/1400	1400	184	157	50-70	50	108	169	6x M12	8.92	25.2	1270	700	275	0.2	0.8	1.8	3700
								115									
KB6/3000	3000	220	157	55-75	60	146	204	6x M12	10.9	30.9	2810	2945	305	0.2	0.8	1.5	2800
								125									
KB6/5000	5000	245	208	60-90	55	146	225	6x M16	27.7	144.4	4810	4915	505	0.2	0.8	1.5	2800
								210									

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

Temperature Range: -30° ~ 120° C

Bellows Couplings

for Flange Mounting



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

Type / Size — Length — ØD1/ØD2 — Options

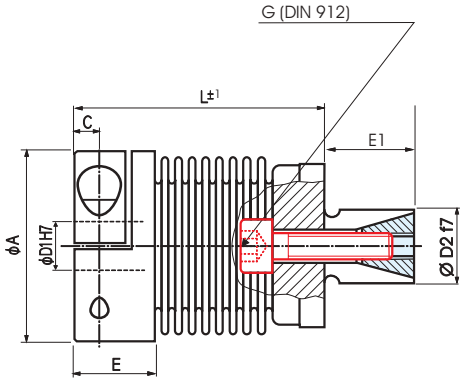
	Torque	Dimensions (mm)						Technical Ratings								
		L	Ø A	Ø D1/D2	Ø D3	E	F	Mass	Moment of Inertia J	Spring Stiffness			Misalignment			max Speed
	T_{KN} (Nm)	Length (±2)	Outer Ø	Bore Size (H7)			Thread	(kg)	(g m²)	torsional C_T 10^3 (Nm/rad)	radial C_R (N/mm)	axial C_A (N/mm)	**radial** ΔKr (mm)	axial 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

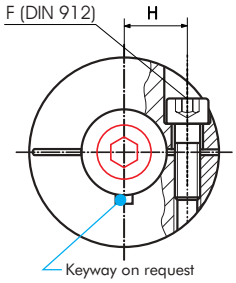
Material: Bellows - Stainless Steel Hubs - High Tensile Steel (also available in Stainless Steel)

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	Dimensions (mm)									Technical Ratings									
		L	Ø A	D1	D2	H	C	E	E1	F/G	Mass	Moment of Inertia	Spring Stiffness			Misalignment			Speed
	TKN (Nm)	Length (±1)	Outer Ø	Bore Size (H7) min ~ max	Expanding Clamp min ~ max					Screw (DIN 912) TA (Nm)	(kg)	J (g m²)	torsional CT 10³ (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	(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

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°