Metal Bellows Couplings I Series KR

• straight bellows • simple installation with lateral EASY-clamping hub
• low restoring forces • high torsional stiffness • long design

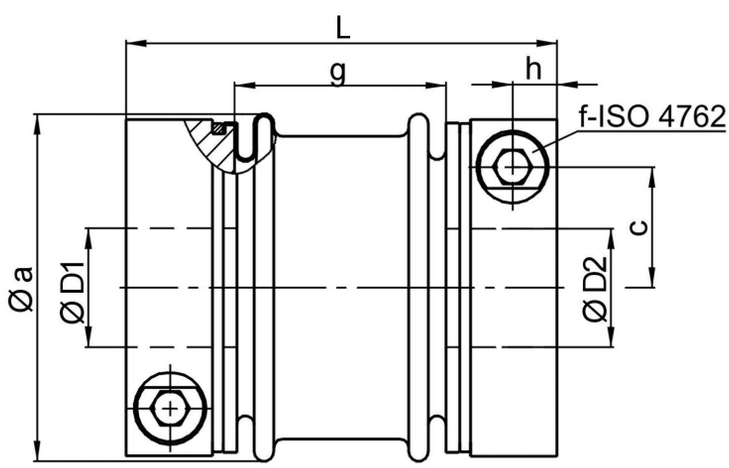
technical data:

KR size	T_N [Nm]	moment of inertia [10^{-3}kgm^2]	torsional stiffness [Nm/arcmin]	max. shaft misalignment [mm] axial±	lateral	axial spring rate [N/mm]	lateral spring rate [N/mm]	tightening torque of screws [Nm] (*)	nmax. [upm]
25	25	0,12	9	0,3	0,2	150	150	14	20000
50	50	0,12	10	0,3	0,2	160	170	14	20000
65	65	0,25	12	0,3	0,3	90	80	30	17000
100	100	0,7	23	0,5	0,4	100	95	50	14000
200	200	0,84	30	0,3	0,3	220	120	50	14000
300	300	2	53	0,4	0,3	210	160	90	11000
450	450	2,15	80	0,4	0,3	300	260	90	11000
550	550	4,7	98	0,5	0,5	300	360	140	9000
1500	1500	13	280	0,6	0,5	520	490	240	7000

(*) note: reduced tightening torque for bigger hub bore diameter - see also Ø D 1/2max!
temperature range: -40°C up to +200°C

material:
bellows: stainless steel
hubs: high-tensile strength aluminum
screws: ISO 4762 / 12.9





Dimensions [mm]: length dimensions according to DIN ISO 2768 cH

KR	Øa	c	f	g	h	L	L*	mass ~ [kg]	ØD1/2 min	ØD1/2 max
25	56	19	M 6	33	8	73	84	0,3	8	32
50	56	19	M 6	33	8	73	84	0,3	10	32
65	66	22	M 8	41	9	85	95	0,4	13	35
100	82	28,5	M 10	50	11,5	102	114	0,75	16	43
200	82	28,5	M 10	56	11,5	108	120	0,8	18	43
300	101	35	M 12	65	13	123	129	1,3	25	55
450	101	35	M 12	65	13	123	129	1,4	35	55
550	122	42	M 14	72	16	140	-	2,2	32	68
1500	157	54	M 16	96	20	186	-	4,4	50	85

note: L* ≙ variable length with bigger clamping hub size (see order example)

order example: KR 100 - D1 = 35 ^{G7} D2 = 35 ^{G7}
KR 200 | 120 - D1 = 32 ^{G6} D2 = 42 ^{G6}