

Metal Bellows Coupling I Series KR

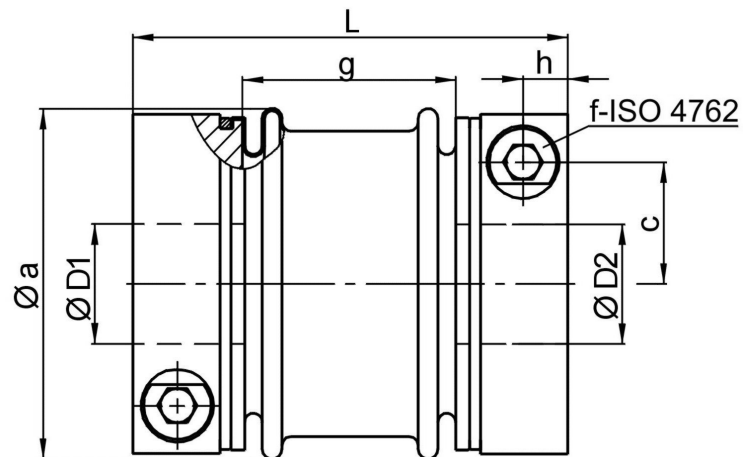
- /// straight bellows
- /// simple installation with lateral EASY-clamping hub
- /// low restoring forces
- /// high torsional stiffness
- /// long design

technical data:

KR size	T _N [Nm]	moment of inertia [10 ⁻³ kgm ²]	torsional stiffness [Nm/arcmin]	max. shaft misalignment [mm]		axial spring rate [N/mm]	lateral spring rate [N/mm]	tightening torque of screws [Nm] (*)	nmax. [upm]
				axial±	lateral				
25	25	0,12	9	0,3	0,2	150	150	14 -	17000
50	50	0,12	10	0,3	0,2	160	160	14 -	17000
65	65	0,25	12	0,3	0,3	90	90	35 (30)*	16000
100	100	0,7	23	0,5	0,4	100	100	65 (50)*	12000
200	200	0,84	30	0,3	0,3	220	220	65 (50)*	12000
300	300	2	53	0,4	0,3	210	210	115 (90)*	10000
450	450	2,15	80	0,4	0,3	300	300	115 (90)*	10000
550	550	4,7	98	0,5	0,5	300	300	180 (140)*	8000
1500	1500	13	280	0,6	0,5	520	520	290 (240)*	6500

(*) 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	28 (35)*
100	82	28,5	M 10	50	11,5	102	114	0,75	16	32 (43)*
200	82	28,5	M 10	56	11,5	108	120	0,8	18	32 (43)*
300	101	35	M 12	65	13	123	129	1,3	28	42 (55)*
450	101	35	M 12	65	13	123	129	1,4	35	42 (55)*
550	122	42	M 14	72	16	140	-	2,2	32	55 (68)*
1500	157	54	M 16	96	20	186	-	4,4	48	70 (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}