Metal Bellows Couplings I Series KP

- 4-corrugation bellows • short design • high torsional stiffness
- simple installation with lateral EASY-clamping hub

technical data:

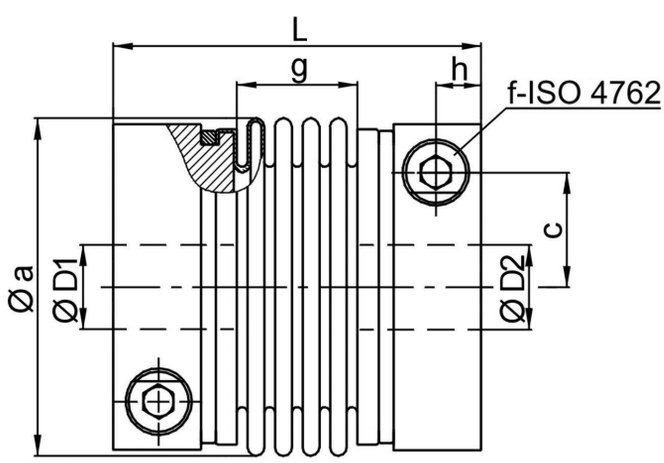
KP size	TN [Nm]	moment of inertia [10^{-3}kgm^2]	torsional stiffness [Nm/arcmin]	max. shaft misalignment (mm) axial±	lateral	axial spring rate [N/mm]	lateral spring rate [N/mm]	tightening torque of screws [Nm] (*)	nmax [upm]
25	25	0,064	4	0,5	0,15	36	180	8	23000
35	35	0,13	9	0,5	0,2	70	450	14	20000
60	60	0,27	14	0,6	0,2	70	650	30	17000
100	100	0,35	20	0,6	0,2	110	1200	30	16000
170	170	0,76	28	0,8	0,2	98	1000	50	14000
270	270	2	52	0,8	0,2	90	1300	90	11000
400	400	2,15	74	0,7	0,2	135	1500	90	11000
600	600	5,0	106	0,7	0,2	140	2800	140	9000
900	900	9,0	156	0,8	0,2	210	3050	140	8500

smaller couplings from 2 Nm - 12 Nm see series MKP

(*) note: reduced tightening torque for bigger hub bore diameter - see also Ø D 1/2max!
size **KP 25** - with 5-corrugation bellow and optional with EASY-PIN.
temperature range: -40°C up to +200°C

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





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

KP	Øa	c	f	g	h	L	L*	mass ~ [kg]	ØD1/2 min	ØD1/2 max
25	50	17	M 5	24	6	58	-	0,18	10	28
35	56	19	M 6	21	8	61	72	0,3	10	32
60	66	22	M 8	23	9	67	77	0,4	13	35
100	71	25	M 8	23	9	68	-	0,5	14	38
170	82	28,5	M 10	28	11,5	80	92	0,8	18	43
270	101	35	M 12	29	13	87	93	1,3	25	55
400	101	35	M 12	33	13	91	97	1,4	30	55
600	122	42	M14	36	16	104	-	2,3	32	68
900	133	47	M14	37	18,5	127	-	3,3	40	75

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

order example: KP 170 - D1 = Ø 28 G6 D2 = 35 G6
KP 170 | 92 - D1 = 32 G6 D2 = 42 G6