

Metal Bellows Coupling I Series KPP

- /// plug-in design // simple installation // EASY-clamping hub
- /// high torsional stiffness // backlash-free, precise torque transmission
- /// sturdy whole metal version

technical data:

KPP	T _N	moment of inertia	torsional stiffness	max. shaft misalignment [mm]		axial spring rate	lateral spring rate	tightening torque screw	axial pre-load force	n _{max.}
size	[Nm]	[10 ⁻³ kgm ²]	[Nm/arcmin]	axial±	lateral	[N/mm]	[N/mm]	[Nm]	ca. [N]	[rpm]
10	10	0,033	2	0,6	0,15	20	93	8	30	23000
20	20	0,17	4,6	0,5	0,2	70	480	14	110	17000
35	35	0,17	5	0,5	0,2	70	480	14	110	17000
60	60	0,34	8	0,6	0,2	70	650	30	110	14000
100	100	0,46	12	0,6	0,2	120	1200	30	180	13000
170	170	0,90	19	0,8	0,2	100	1000	50	150	11000
270	270	2,2	31	0,8	0,2	95	1350	90	140	9500
400	400	2,4	45	0,7	0,2	135	1500	90	200	9500
600	600	5,8	67	0,7	0,2	145	3000	140	220	8000

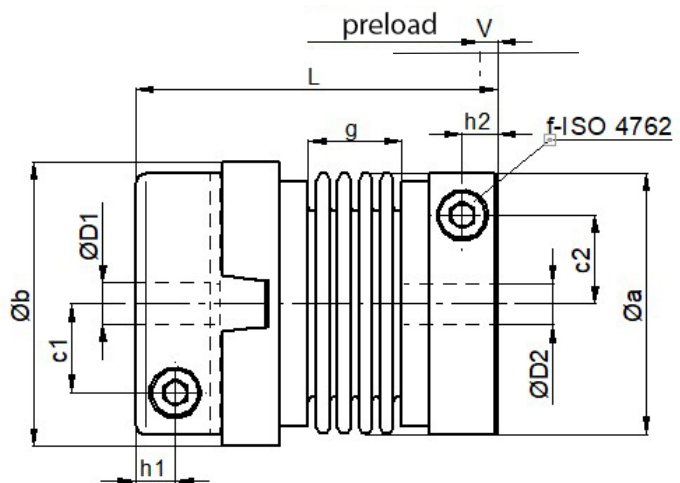
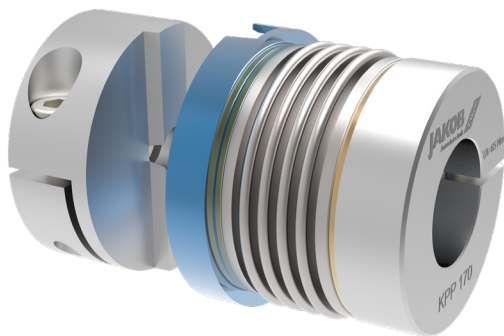
(*) note: reduced tightening torque for bigger hub bore diameter - see also Ø D 1/2max!
 temperature range: -40°C up to +200°C

material:

bellows: stainless steel

hubs: high-tensile strength aluminum

screws: ISO 4762 / 12.9



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

KPP	Øa	Øb	c1/c2	f	g	h1/h2	V**	L	mass ~ [kg]	ØD1 min-max	ØD2 min-max
10	40	43	13/13	M 5	18	6/6	1-1,5	62	0,15	6-20	6-19
20	56	61	19/19	M 6	21	8/8	1-1,5	77,5	0,38	8-30	8-32
35	56	61	19/19	M 6	21	8/8	1-1,5	77,5	0,38	10-30	10-32
60	66	71	22/22	M 8	23	8,5/9	1-1,5	85,5	0,60	13-34	13-35
100	71	75	25/25	M 8	23,5	8,5/9	1-1,5	86	0,66	14-38	14-38
170	82	87	28,5/28,5	M 10	28	11/11,5	1-1,5	99,5	0,95	18-43	18-43
270	101	106	35/35	M 12	29	12/15	1-1,5	106,5	1,6	25-55	25-55
400	101	106	35/35	M 12	33	12/13	1-1,5	110,5	1,7	30-55	30-55
600	122	126	43,5/42	M 14	36	13,5/16	1-1,5	122,5	2,7	32-70	32-68

**Delivery length L without preload assembly with preload „V“ -> see functional description. Alternative lengths and sizes on request.

note: size KPP 1300 with conical clamping hub on request

order example: KPP 170 - D1 = 28^{G7} D2 = 35^{H7}