



## Metal bellows coupling TYPE 502 - up to 310 Nm

### Characteristics:

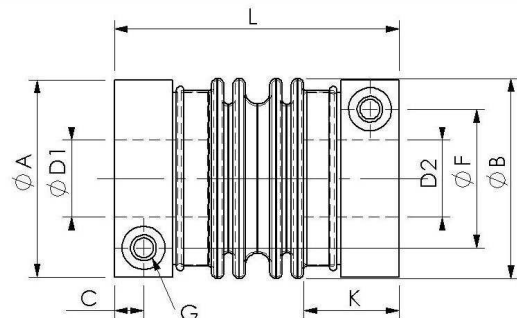
- Operational temperature of up to 500°C for short time , lasting up to 300°C
- No backlash
- High rotational speeds possible
- Maintenance free and non-wearing
- Corrosion-resistant stainless steel type available

### Application:

Predominantly used for mounting of servo-drives with very high torsional rigidity.

Available with plastic inserts for high impact resistance on request.

### TYPE 502 up to 310 Nm , mounting hub welded



Size	$M_N$ (Nm)	Spring constant in N/mm (lateral)	Spring constant in N/mm (axial)	Moment of inertia (app. $10^{-3}$ kg m <sup>2</sup> )	Weight (app. in kg)	Spring constant (Torque $10^3$ Nm/rad)	L	B	G (DIN EN ISO 4762) (Old DIN 912)	D1/D2	C	K	F	A
S-55.3	50	105	60	0,18	0,6	19	79	53	M6	* 16...25	7,5	20	37	50
56	50	171	102	0,2	0,7	19	81	56	M6	15...28	7,5	24	40	54
56.1	74	263	208	0,21	0,7	28	81	56	M6	18...28	7,5	24	40	54
56.2	90	314	298	0,21	0,7	35	81	56	M6	22...28	7,5	24	40	54
66	115	253	112	0,39	0,9	56	94	66	M8	22...32/35	9,5	31	45	64
66.1	155	367	196	0,41	0,95	84	94	66	M8	25...32/35	9,5	31	45	64
66.2	175	407	218	0,43	0,95	95	94	66	M8	28...32/35	9,5	31	45	64
82	190	249	87	0,9	1,8	94	113	82	M10	25...40	10,5	32	54	82
82.1	250	358	125	0,92	1,85	120	113	82	M10	28...40	10,5	32	54	82
82.2	310	406	138	0,95	1,9	163	113	82	M10	32...40	10,5	32	54	82

<b>shaft misalignment:</b>	<b>Allowed</b>	<b>lateral</b>	<b>axial</b>
	Assembly Operational	0,8 mm 0,2 mm	2mm 0,5mm

\* smaller bores are possible if the moment is reduced

**Very cheap executions by orders of more than 10 pieces!**