ÜV Überlastschutz u. Verbindungssysteme GmbH, www.uev-gmbh.de , E-Mail: info@uev-gmbh.de, Phone: 0049 6022/681700

Split-metal bellows coupling TYPE 570 - up to 900 Nm

Characteristics:

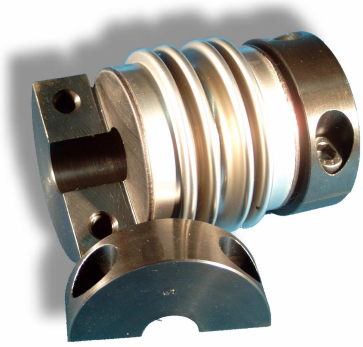
- Operational temperature of up to 500°C for short time , lasting up to 300°C
- No backlash and torsionally rigid
- Installation with fixed shaft distance without the need to adjust shafts
- Maintenance free and non-wearing
- Corrosion-resistant stainless performance type available

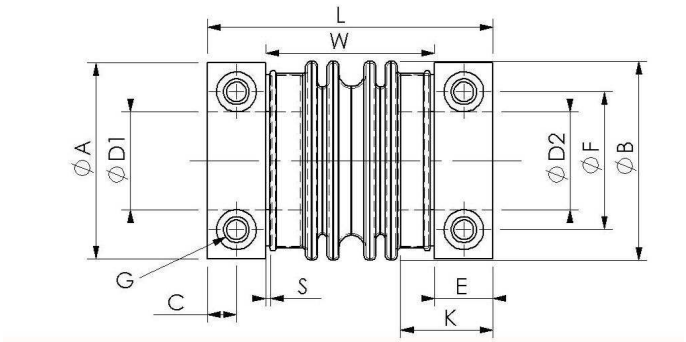
Application:

- Machine tools
- Industrial robots
- Handling systems
- Textile machines
- Transfer systems
- Rotary index tables
- Linear and compo and tables etc.

Predominantly used for mounting highly dynamic drives with fixed shaft distances and very high torsion rigidity for precise transmission of angels. Recommend for new designs.

TYPE 570 up to 900 Nm , fitting hubs 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^2)	Weight (app. in kg)	Spring constant (Torque 10^3 Nm/rad)	W	L	S	B	G (DIN EN ISO 4762) (Old DIN 912)	D1/D2	C	K	F	A	E
56	50	171	102	0,2	0,7	19	49	81	2	56	M6	15…28	7,5	24	40	54	15
56.1	74	263	208	0,21	0,7	28	49	81	2	56	M6	18…28	7,5	24	40	54	15
56.2	90	314	298	0,21	0,7	35	49	81	2	56	M6	22…28	7,5	24	40	54	15
66	115	253	112	0,39	0,9	56	54	94	2	66	M8	22…32/35	9,5	31	45	64	19
66.1	155	367	196	0,41	0,95	84	54	94	2	66	M8	25…32/35	9,5	31	45	64	19
66.2	175	407	218	0,43	0,95	95	54	94	2	66	M8	28…32/35	9,5	31	45	64	19
82	190	249	87	0,9	1,6	94	70	113	2	82	M10	25…40	10,5	32	54	82	21
82.1	250	358	125	0,92	1,65	120	70	113	2	82	M10	28…40	10,5	32	54	82	21
82.2	310	406	138	0,95	1,7	163	70	113	2	82	M10	32…40	10,5	32	54	82	21
101	305	271	128	3,6	3,2	159	79	129	2	101	M12	30…50	12,0	36	68	99	24
101.1	440	377	192	3,7	3,25	228	79	129	2	101	M12	35…50	12,0	36	68	99	24
101.2	510	435	228	3,7	3,3	311	79	129	2	101	M12	38…50	12,0	36	68	99	24
122	500	325	188	6,5	4,5	293	84	142	2	122	M14	36…60	14,0	40	82	119	28
122.1	730	411	270	6,6	4,6	424	84	142	2	122	M14	40…60	14,0	40	82	119	28
122.2	900	485	315	6,7	4,7	505	84	142	2	122	M14	48…60	14,0	40	82	119	28

Smaller bore diameters are possible for lower transfers of torque.