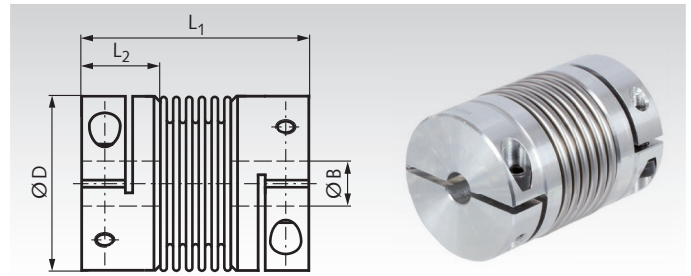


## Metal Bellow Couplings MCK and MCL

**Material:** Aluminium clamp hubs, stainless steel bellow.

- Zero backlash, with high torsional stiffness.
- For machine tools, packing machines, textile machines, Linear drives etc..
- With clamps, ready-to-install for rapid mounting.
- Short and long versions with different misalignment values and different stiffnesses.
- Many different sizes and diameters available.

Temperature range: -30°C to +120 °C.



Ordering details: e.g.: Product No. 601 546 10, Metal Bellow Coupling MCK, 10mm

### Short version MCK

Product No.	Torque max. Nm	Bore BH7 <sup>1)</sup> mm	Bore max. <sup>2)</sup> mm	L <sub>1</sub> <sup>±2</sup> mm	L <sub>2</sub> mm	D mm	Breakdown- Ø <sup>3)</sup> mm	max. misalignment			Recommended max. Speed min <sup>-1</sup>	Torsional stiffness Nm/rad	Weight approx. g
								Angular ±Degrees	Radial ±mm	Axial ±mm			
601 546 10	18	10	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 546 11	18	11	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 546 14	18	14	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 546 19	18	19	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 546 24	18	24	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 546 25	18	25	25,4	63	19,5	45	48	1,5	0,2	0,5	12800	20000	200
601 556 10	30	10	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 556 11	30	11	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 556 14	30	14	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 556 19	30	19	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 556 24	30	24	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 556 25	30	25	30	65	24,5	56	-	1,5	0,15	0,6	10300	38000	270
601 566 14	60	14	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500
601 566 19	60	19	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500
601 566 24	60	24	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500
601 566 28	60	28	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500
601 566 32	60	32	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500
601 566 35	60	35	35	79	29	66	67	1,5	0,15	0,6	8700	75000	500

<sup>1)</sup> Standard bores. <sup>2)</sup> Different bores (even one-sided) up to max bore as well feather keyways, available against surcharge.

<sup>3)</sup> Screw head protrudes past D.

### Long version MCL

Product No.	Torque max. Nm	Bore BH7 <sup>1)</sup> mm	Bore max. <sup>2)</sup> mm	L <sub>1</sub> <sup>±2</sup> mm	L <sub>2</sub> mm	D mm	Breakdown- Ø <sup>3)</sup> mm	max. misalignment			Recommended max. Speed min <sup>-1</sup>	Torsional stiffness Nm/rad	Weight approx. g
								Angular ±Degrees	Radial ±mm	Axial ±mm			
601 646 10	18	10	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 646 11	18	11	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 646 14	18	14	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 646 19	18	19	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 646 24	18	24	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 646 25	18	25	25,4	71	19,5	45	48	2	0,25	0,5	12800	15000	200
601 656 10	30	10	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 656 11	30	11	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 656 14	30	14	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 656 19	30	19	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 656 24	30	24	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 656 25	30	25	30	73	24,5	56	-	2	0,25	1	10300	28000	270
601 666 14	60	14	35	89	29	66	67	2	0,25	1	8700	50000	500
601 666 19	60	19	35	89	29	66	67	2	0,25	1	8700	50000	500
601 666 24	60	24	35	89	29	66	67	2	0,25	1	8700	50000	500
601 666 28	60	28	35	89	29	66	67	2	0,25	1	8700	50000	500
601 666 32	60	32	35	89	29	66	67	2	0,25	1	8700	50000	500
601 666 35	60	35	35	89	29	66	67	2	0,25	1	8700	50000	500

<sup>1)</sup> Standard bores. <sup>2)</sup> Different bores (even one-sided) up to max bore as well feather keyways, available against surcharge.

<sup>3)</sup> Screw head protrudes past D.

### Tightening torques for the mounting screws

Types MBK and MBL			Types MCK and MCL		
Hub-Ø D <sub>2</sub> mm	Screw size	Fastening Torque Nm	Hub-Ø D mm	Screw size DIN 912	Fastening Torque Nm
18,2	M2,5	1,32	45	M5	8
23,4	M3	2,43	56	M6	12
31	M3	2,43	66	M8	30
37,4	M4	5,66			

### Operating factors

Type of Load	Operating factor
Uniform Load	1.5
Alternating Load	2
Shock Load	2.5
Reversing shock load	4

Please note that the max. misalignment values (axial, radial and angular displacement) are mutually exclusive. If the misalignment in one direction reaches the maximum, the other two remaining misalignments must be at zero.