

## Membrane Couplings, Clamp Style MEM

### Materials:

Hubs and sleeves: Aluminium alloy 2011T3 and 2011T8  
BS 4300/5 FC1,  
clear anodised finish.

Membranes: stainless high-quality spring steel.

Screw connection: Screws: heat-treated steel,  
black oxide finish.

Bushes: Steel zinc-plated and chromated black.

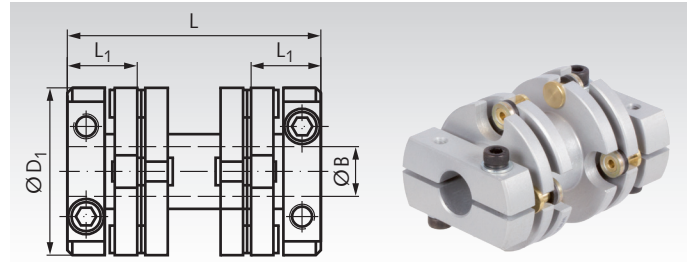
Connecting parts: Heat-treated steel, black oxide finish.

Temperature range: -40°C to +120°C.

Max. speed: 5,000 min<sup>-1</sup>.

Torsionally-stiff construction, no moving parts, all-metal design,  
low moment of inertia.

The functional principle offers the highest operational readiness  
to be achieved with flexible couplings. Excellent kinematic prop-  
erties and high torsion-spring stiffness. Suitable for servo drives.  
Tolerant flexural system and a dynamically balanced construc-  
tion for high-end positioning and servo drives.



Ordering Details: e.g.: Product No. 601 701 00, Membrane Coupling MEM, 4 mm Bore

Product No.	Torque max. Nm	Bore B <sup>+0.03</sup> mm	L mm	L <sub>1</sub> * mm	D <sub>1</sub> mm	max. Misalignment			Torsional Stiffness Nm/rad	Weight g
						Angular ± Grad	Radial ± mm	Axial ± mm		
601 701 00	0,9	4	34,5	9,2	19,2	4	0,4	0,2	145	14
601 703 00	0,9	6	34,5	9,2	19,2	4	0,4	0,2	145	14
601 707 00	2,3	5	36,1	10	25,6	4	0,4	0,2	400	25
601 708 00	2,3	6	36,1	10	25,6	4	0,4	0,2	400	25
601 709 00	2,3	8	36,1	10	25,6	4	0,4	0,2	400	25
601 713 00	5,6	6	50,8	14	33,5	3	0,4	0,2	980	55
601 714 00	5,6	8	50,8	14	33,5	3	0,4	0,2	980	55
601 715 00	5,6	10	50,8	14	33,5	3	0,4	0,2	980	55
601 719 00	11,3	12	60,1	17	41,5	2	0,4	0,2	2020	109
601 720 00	11,3	14	60,1	17	41,5	2	0,4	0,2	2020	109
601 721 00	11,3	16	60,1	17	41,5	2	0,4	0,2	2020	109
601 725 00	30	16	78,1	22,9	52	2	0,4	0,2	4800	247
601 726 00	30	20	78,1	22,9	52	2	0,4	0,2	4800	247
601 729 00	60	20	90,7	26	66	2	0,4	0,2	12000	444
601 730 00	60	28	90,7	26	66	2	0,4	0,2	12000	444

\* Depth of bore, remaining length relieved.

### Operating Factor

Type of Load	Operating Factor
Uniform	1.5
Alternating	2
Shock	3
Reversing	4

**Selection Tool**  
on the Internet at [www.maedler.de](http://www.maedler.de)  
in the section **MÄDLER®-Tools**