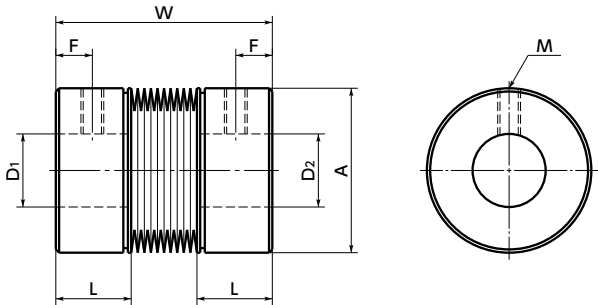


MWBS Flexible coupling - Bellows - type (high precision welding)

WEB Selection Tool WEB CAD Download 0 Zero Backlash High Allowable Misalignment SUS Stainless steel

MWBS Made of all stainless steel



Dimensions

Unit : mm

Part Number	A	L	W	F	M	Screw Tightening Torque (N・m)	Standard Bore Diameter (dimensional allowance H8) D1・D2							
							4	5	6	8	10	11	12	14
MWBS-13	13	6	16.5	3	M2	0.5	●	●	●					
MWBS-18	18	8	22	4	M2.5	1		●	●	●				
MWBS-22	22	10	27	5	M3	1.5			●	●	●			
MWBS-28	28	14	37	7	M4	2.5				●	●	●	●	●

- All products are provided with hex socket set screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.

Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N・m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg・m ²)	Static Torsional Stiffness (N・m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)
MWBS-13	6	0.07	10000	2.5×10 ⁻⁷	30	0.15	3.5	0.5	9.8
MWBS-18	8	0.15	10000	1.2×10 ⁻⁶	40	0.15	5	0.5	25
MWBS-22	10	0.35	10000	3.4×10 ⁻⁶	200	0.15	4	0.5	48
MWBS-28	14	0.65	10000	1.4×10 ⁻⁵	900	0.15	4.5	0.5	110

- *1 : Correction of rated torque due to load fluctuation is not required.
- *2 : These are values with max. bore diameter.



- Part number specification

MWBS-22-6-8

Product Code

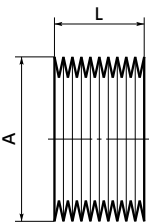
1

2

Additional Keyway at Shaft Hole → P.803 Cleanroom Wash & Packaging → P.807 SUS Change to Stainless Steel Screw → P.805

Please feel free to contact us Available / Add'l charge Changed to the S.S. screw

Super bellows Custom - made coupling



Single bellows

Double bellows



- Completely Custom-made super bellows coupling with high precision welded bellows can be designed and manufactured.
- The following table shows part of the performance that the super bellows coupling achieves. The performance depends on the type, outside diameter, threads per inch, and plate thickness of the bellows to use.

Dimensions・Performance

Type	A (mm)	Threads per inch	L (mm)	Plate thickness (mm)	Rated torque (N・m)	Max. torque (N・m)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)
Single bellows	13	10	4.5	0.05 - 0.1	0.07	0.15	0.15	3.5	±0.5
		20	9				0.3	6.5	±1
		30	13.5				0.45	10	±1.5
	18	10	6	0.05 - 0.1	0.15	0.3	0.15	5	±0.5
		20	12				0.3	9.5	±1
		30	18				0.45	14.5	±1.5
	22	10	7	0.06 - 0.1	0.35	0.7	0.2	4	±0.5
		20	14				0.4	8	±1
		30	21				0.6	12	±1.5
	28	10	9	0.1 - 0.15	0.65	1.3	0.25	6.5	±0.5
		20	18				0.5	9	±1
		30	27				0.75	14	±1.5
Double bellows	13	10	6	0.05 - 0.1	0.15	0.3	0.15	3.6	±0.5
		20	12				0.3	7.2	±1
		30	18				0.45	10	±1.5
	18	10	8	0.05 - 0.1	0.7	1.4	0.15	5.7	±0.5
		20	16				0.3	11.5	±1
		30	24				0.45	17.2	±1.5
	22	10	8	0.06 - 0.1	1.25	2.5	0.2	4.7	±0.5
		20	16				0.4	9.4	±1
		30	24				0.6	14	±1.5
	28	10	11	0.1 - 0.15	1.3	2.6	0.25	3.7	±0.5
		20	22				0.5	7.4	±1
		30	33				0.75	11	±1.5