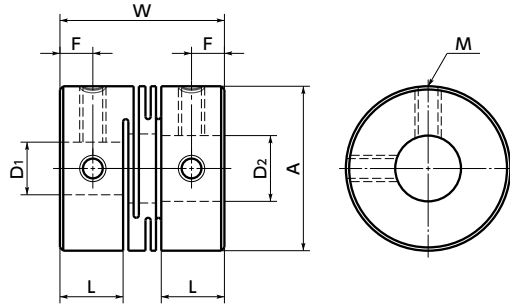


# MWS/MWSS Flexible coupling - Slit - type - Set screw type

[WEB Selection Tool](#)
[WEB CAD Download](#)
[Zero Backlash](#)
[SUS Stainless steel](#)

**MWS** Made of aluminum alloy  
**MWSS** Made of all stainless steel



## Dimensions

Unit : mm

Part Number <sup>1</sup>	A	L	W	F	M	Screw Tightening Torque (N·m)	Standard Bore Diameter (dimensional allowance H8) D1-D2 <sup>2</sup>								
							2 - 2	3 - 3	4.5 - 5	5 - 5	6 - 6	8 - 8	10 - 10	12 - 14	
<b>MWS-8</b>	8	3.4	10	1.7	M2	0.3	2 - 2	3 - 3							
<b>MWS-12</b>	12	5.2	14	2.5	M2.5	0.5	4 - 4	4 - 5	4.5 - 5	5 - 5					
<b>MWS-16</b>	16	6.8	18	3	M3	0.7	4.5 - 5	5 - 5	5 - 6	6 - 6					
<b>MWS-20</b>	20	7.65	20	3	M3	0.7	5 - 6	5 - 8	6 - 6	6 - 8	8 - 8				
<b>MWS-25</b>	25	9.6	25	4	M4	1.7	5 - 6	6 - 6	6 - 8	8 - 8	8 - 10	10 - 10			
<b>MWS-32</b>	32	12.6	32	6	M4	1.7	8 - 8	8 - 10	10 - 10	10 - 12	12 - 12	12 - 14			
<b>MWSS-8</b>	8	3.4	10	1.7	M2	0.3	2 - 2	3 - 3							
<b>MWSS-12</b>	12	5.2	14	2.5	M2.5	0.5	4 - 4	4 - 5	4.5 - 5	5 - 5					
<b>MWSS-16</b>	16	6.8	18	3	M3	0.7	5 - 5	5 - 6	6 - 6						
<b>MWSS-20</b>	20	7.65	20	3	M3	0.7	5 - 6	5 - 8	6 - 6	6 - 8	8 - 8				
<b>MWSS-25</b>	25	9.6	25	4	M4	1.7	5 - 6	6 - 6	6 - 8	8 - 8	8 - 10	10 - 10			
<b>MWSS-32</b>	32	12.6	32	6	M4	1.7	8 - 8	8 - 10	10 - 10	10 - 12	12 - 12	12 - 14			

- All products are provided with hex socket set screw.
- In a case where the bore diameter is  $\phi 4$  or less, the set screw is used in only one place.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.

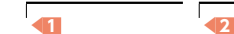
## Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max. Rotational Frequency (min <sup>-1</sup> )	Moment*2 of Inertia (kg·m <sup>2</sup> )	Static Torsional Stiffness (N·m/rad)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)
<b>MWS-8</b>	4	0.1	78000	$1.0 \times 10^{-8}$	24	1	$\pm 0.1$	1
<b>MWS-12</b>	6	0.4	52000	$7.0 \times 10^{-8}$	80	1	$\pm 0.1$	3.1
<b>MWS-16</b>	8	0.5	39000	$2.8 \times 10^{-7}$	180	1	$\pm 0.2$	7.4
<b>MWS-20</b>	10	1	31000	$7.5 \times 10^{-7}$	200	1	$\pm 0.2$	12
<b>MWS-25</b>	12	2	25000	$2.3 \times 10^{-6}$	780	1	$\pm 0.2$	24
<b>MWS-32</b>	16	4	19000	$8.0 \times 10^{-6}$	1100	1	$\pm 0.2$	50
<b>MWSS-8</b>	4	0.2	78000	$2.4 \times 10^{-8}$	49	1	$\pm 0.1$	2.7
<b>MWSS-12</b>	6	0.3	52000	$1.8 \times 10^{-7}$	140	1	$\pm 0.1$	7.8
<b>MWSS-16</b>	8	0.5	39000	$7.2 \times 10^{-7}$	240	1	$\pm 0.1$	18
<b>MWSS-20</b>	10	1	31000	$2.0 \times 10^{-6}$	330	1	$\pm 0.1$	32
<b>MWSS-25</b>	12	2	25000	$6.1 \times 10^{-6}$	720	1	$\pm 0.2$	63
<b>MWSS-32</b>	16	3.5	19000	$2.1 \times 10^{-5}$	1300	1	$\pm 0.2$	130

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

• Part number specification

**MWSS-32-10-12**



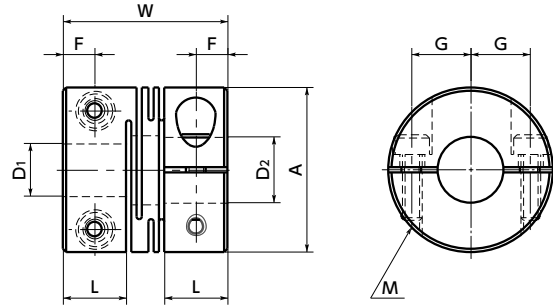
[Additional Keyway at Shaft Hole → P.803](#) Available / Add'l charge
 [Cleanroom Wash & Packaging → P.807](#) Available / Add'l charge
 [SUS Change to Stainless Steel Screw → P.805](#) Available / Add'l charge

[Additional Keyway at Shaft Hole → P.803](#) Available / Add'l charge
 [Cleanroom Wash & Packaging → P.807](#) Available / Add'l charge
 [SUS Change to Stainless Steel Screw → P.805](#) Available / Add'l charge

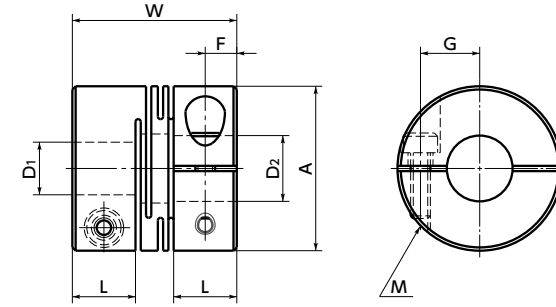
# MWS-C / MWSS-C Flexible coupling - Slit - type - Clamping type

WEB Selection Tool | WEB CAD Download | Zero Backlash | SUS Stainless steel

**MWS-C** Made of aluminum alloy



**MWSS-C** Made of all stainless steel



## Dimensions

Unit : mm

Part Number	A	L	W	F	G	M	Screw Tightening Torque (N·m)	Standard Bore Diameter							
								D1-D2							
<b>MWS-12C</b>	12	5.2	14	2.6	4	M2	0.5	4 - 4	4 - 5	4.5 - 5	5 - 5				
<b>MWS-16C</b>	16	6.8	18	3.4	5	M2.5	1	4.5 - 5	5 - 5	5 - 6	6 - 6				
<b>MWS-20C</b>	20	7.65	20	3.8	6.5	M2.5	1	5 - 6	5 - 8	6 - 6	6 - 8	8 - 8			
<b>MWS-25C</b>	25	9.6	25	4.8	9	M3	1.5	5 - 6	6 - 6	6 - 8	6 - 10	8 - 8	8 - 10	10 - 10	
<b>MWS-32C</b>	32	12.6	32	6.3	11	M4	2.5	8 - 8	8 - 10	10 - 10	10 - 12	12 - 12	12 - 14		
<b>MWSS-12C</b>	12	5.2	14	2.6	4	M2	0.5	4 - 4	4 - 5	4.5 - 5	5 - 5				
<b>MWSS-16C</b>	16	6.8	18	3.4	5	M2.5	1	4.5 - 5	5 - 5	5 - 6	6 - 6				
<b>MWSS-20C</b>	20	7.65	20	3.8	6.5	M2.5	1	5 - 6	5 - 8	6 - 6	6 - 7	6 - 8	8 - 8		
<b>MWSS-25C</b>	25	9.6	25	4.8	9	M3	1.5	5 - 6	6 - 6	6 - 8	6 - 10	8 - 8	8 - 10	10 - 10	
<b>MWSS-32C</b>	32	12.6	32	6.3	11	M4	2.5	8 - 8	8 - 10	10 - 10	10 - 12	12 - 12	12 - 14		

- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.258

## Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max. Rotational Frequency (min <sup>-1</sup> )	Moment*2 of Inertia (kg·m <sup>2</sup> )	Static Torsional Stiffness (N·m/rad)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)
<b>MWS-12C</b>	5	0.4	52000	6.4×10 <sup>-8</sup>	80	1	±0.1	3
<b>MWS-16C</b>	6	0.5	39000	2.9×10 <sup>-7</sup>	180	1	±0.2	8
<b>MWS-20C</b>	8	1	31000	7.5×10 <sup>-7</sup>	200	1	±0.2	13
<b>MWS-25C</b>	10	2	25000	2.3×10 <sup>-6</sup>	780	1	±0.2	25
<b>MWS-32C</b>	14	4	19000	8.1×10 <sup>-6</sup>	1100	1	±0.2	53
<b>MWSS-12C</b>	5	0.3	52000	1.8×10 <sup>-7</sup>	140	1	±0.1	8.5
<b>MWSS-16C</b>	6	0.5	39000	7.8×10 <sup>-7</sup>	240	1	±0.1	21
<b>MWSS-20C</b>	8	1	31000	2.1×10 <sup>-6</sup>	330	1	±0.1	36
<b>MWSS-25C</b>	10	2	25000	6.3×10 <sup>-6</sup>	720	1	±0.2	69
<b>MWSS-32C</b>	14	3.5	19000	2.2×10 <sup>-5</sup>	1300	1	±0.2	150

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

• Part number specification

**MWS-16C - 5-6**



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

Available / Add'l charge

Available / Add'l charge

Available / Add'l charge