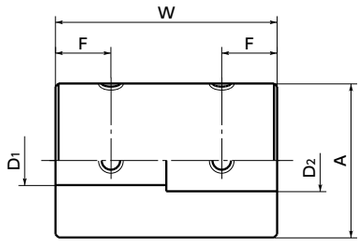
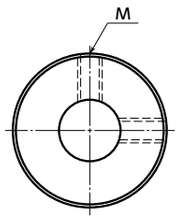
MRG/MRGS Rigid coupling - Set screw type

Selection Tool | CAD Download | Zero Backlash | High torque | High Rigidity | SUS Stainless steel

MRG Made of aluminum alloy
MRGS Made of all stainless steel





Dimensions • Performance

Unit : mm

Part Number 1	A	W	F	M	Screw Tightening Torque (N・m)	Standard Bore Diameter (dimensional allowance H8) D1・D2 2															
						3	4	5	6	8	10	12	15	16	18	19	20	25	28	30	32
MRG-16	16	24	6	M3	0.7	●	●	●	●												
MRG-20	20	30	7	M3	0.7				●	●	●										
MRG-25	25	36	9	M4	1.7					●	●	●									
MRG-32	32	41	10	M4	1.7							●	●	●							
MRG-40	40	44	10.5	M5	4									●	●	●	●				
MRG-50	50	53	12	M6	7											●	●	●			
MRG-65	65	65	16	M8	15														●	●	●
MRGS-16	16	24	6	M3	0.7			●	●												
MRGS-20	20	30	7	M3	0.7				●	●	●										
MRGS-25	25	36	9	M4	1.7					●	●	●									
MRGS-32	32	41	10	M4	1.7							●	●	●							
MRGS-40	40	44	10.5	M5	4									●	●	●	●				
MRGS-50	50	53	12	M6	7											●	●	●			
MRGS-65	65	65	16	M8	15														●	●	●

- All products are provided with hex socket set screws.
- In a case where the bore diameter is ϕ 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 torque*1 (N・m)	Max. torque*1 (N・m)	Max. Rotational Frequency (min^{-1})	Moment of Inertia*2 ($kg・m^2$)	Mass*2 (g)
MRG-16	8	1	2	39000	4.4×10^{-7}	11
MRG-20	10	2.5	5	31000	1.3×10^{-6}	20
MRG-25	12	4.5	9	25000	3.9×10^{-6}	39
MRG-32	16	10	20	19000	1.2×10^{-5}	71
MRG-40	20	20	40	15000	2.8×10^{-5}	114
MRG-50	25	25	50	12000	8.4×10^{-5}	215
MRG-65	32	35	70	9000	2.9×10^{-4}	450
MRGS-16	8	0.3	0.6	39000	1.2×10^{-6}	28
MRGS-20	10	0.5	1	31000	3.5×10^{-6}	54
MRGS-25	12	1	2	25000	1.0×10^{-5}	100
MRGS-32	16	2	4	19000	3.1×10^{-5}	190
MRGS-40	20	3	6	15000	8.1×10^{-5}	326
MRGS-50	25	4.5	9	12000	2.4×10^{-4}	658
MRGS-65	32	7	14	9000	8.4×10^{-4}	1290

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

- Part number specification

MRGS-40 - 18-20
1 2

Additional Keyway at Shaft Hole ➡ P.788	Cleanroom Wash & Packaging ➡ P.792	Change to Stainless Steel Screw ➡ P.790
Please feel free to contact us	Available / Add'l charge	Available / Add'l charge

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