

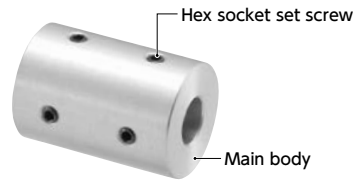
MRG / MRGS Rigid Couplings

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

Structure

• Set Screw Type

MRG Aluminum alloy → P.xxxx



MRGS Made of all stainless steel → P.xxxx



• Clamping Type

MRG-C Aluminum alloy → P.xxxx



MRGS-C Made of all stainless steel → P.xxxx



• Split Type

MRG-W Aluminum alloy → P.xxxx



MRGS-W Made of all stainless steel → P.xxxx



• Related Products

Rigid coupling with high precision **XRP-C** is available.
→ P.xxxx



• Recommended Applicable Motor

	MRG	MRGS
Servomotor	○	○
Stepping Motor	○	○
General-purpose Motor	●	●

○: Excellent ○: Very good ●: Available

• Property

	MRG	MRGS
Zero Backlash	○	○
High Torque	○	○
High Torsional Stiffness	○	○
Corrosion Resistance (All S.S.)	—	○

○: Excellent ○: Very good

- This is a rigid type coupling.
- Light weight and ultra small moment of inertia. High response. High response.
- There are two types of units made of aluminum alloy or all stainless steel.
- There are three attachment methods: set screw type, clamping type, and split type.

• Application

High precision XY stage / Machine tool / Cleaning equipment

• Material/Finish

RoHS2 Compliant

	MRG / MRG-C / MRG-W	MRGS / MRGS-C / MRGS-W
Main Body	A2017 Anodized	SUS303
Hex Socket Set Screw	SCM435 Ferrosoferric Oxide Film (Black)	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film (Black)	SUSXM7

• Part number specification

MRG-16W-5-6

Product Code Size Bore Diameter

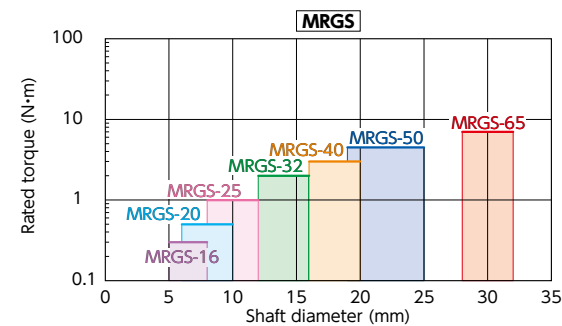
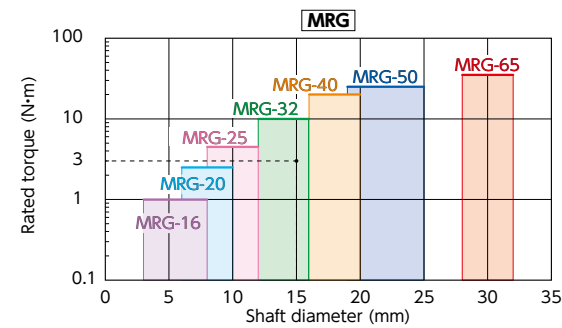
Please refer to dimensional table for part number specification.



Selection

• Selection Based on Shaft Diameter and Rated Torque

The area bounded by the shaft diameter and rated torque indicates the selection size.



• Selection Example

In case of selected parameters of shaft diameter of ϕ 15 and load torque of 3 N·m, the selected size for **MRG** is **MRG-32**.

[Additional Keyway at Shaft Hole → P.xxxx](#)
[Cleanroom Wash & Packaging → P.xxxx](#)
[SUS Change to Stainless Steel Screw → P.xxxx](#)