

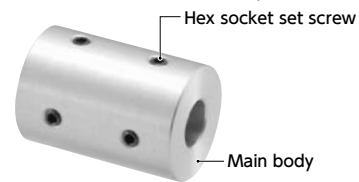
MRG / MRGS Rigid Couplings

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



• Applicable motors

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

○: Excellent ●: 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



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

• Part number specification

MRG - 16W - 5-6

Product Code Size Bore Diameter

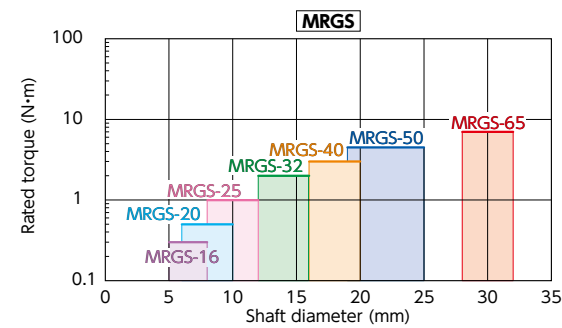
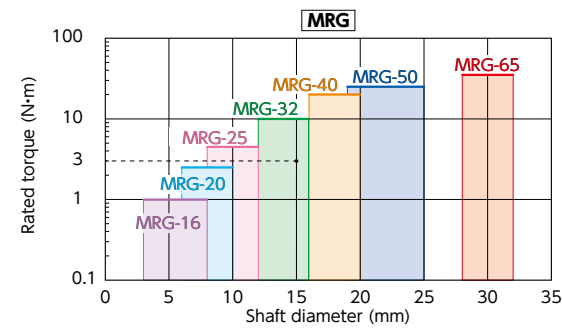
Please refer to the dimensions and performance tables for part number specification.



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 Change to Stainless Steel Screw → P.xxxx
 Available / Add'l charge Please feel free to contact us Please feel free to contact us