

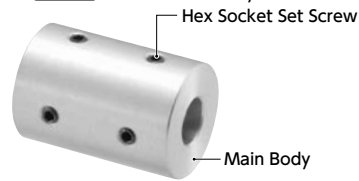
MRG / MRGS Rigid coupling - Standard type

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

Structure

● Set screw type

MRG Aluminum alloy hub → P.212



MRGS Made of all stainless steel → P.212



● Clamping type

MRG-C Aluminum alloy hub → P.214



MRGS-C Made of all stainless steel → P.214



● Split type

MRG-W Aluminum alloy hub → P.216



MRGS-W Made of all stainless steel → P.216



● Related Products

Rigid coupling with high precision **XRP** is available. → P.206



● Applicable motors

	MRG	MRGS
Servomotor	○	○
Stepping motor	○	○
General-purpose motor	-	-

○: Excellent ○: Very good

● Property

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

○: Excellent ○: Very good

- These are rigid-type couplings.
- Light weight and ultra small moment of inertia. 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.
- Sizes of $\phi 40$ - $\phi 65$ in outside diameter have been added.

● Application

High precision XY stage/Machine tool/Cleaning equipment

● Material/Finish

RoHS Compliant

	MRG / MRG-C / MRG-W	MRGS / MRGS-C / MRGS-W
Main Body	A2017 Alumite Treatment	SUS303
Hex Socket Set Screw	SCM435 Ferrosferric Oxide Film	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosferric Oxide Film	SUSXM7

● Part number specification

MRG-16W-5-6

Product Code size Bore Diameter

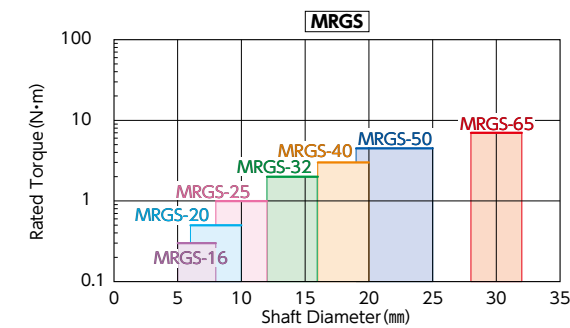
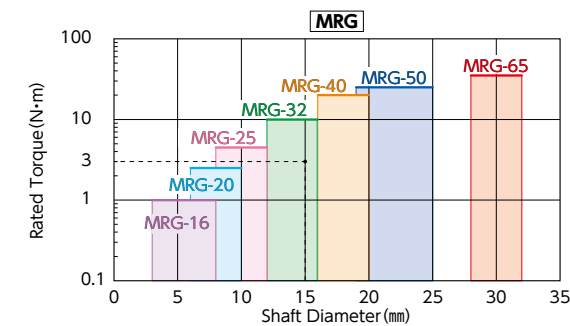
Please refer to dimensional table for part number specification.



Selection

● Selection based on shaft diameter and rated torque

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



● Selection example

In case of selected parameters of shaft diameter of $\phi 15$ and load torque of $3 \text{ N} \cdot \text{m}$, the selected size is

MRG-32.

[Additional Keyway at Shaft Hole → P.788](#)
[Cleanroom Wash & Packaging → P.792](#)
[Change to Stainless Steel Screw → P.790](#)