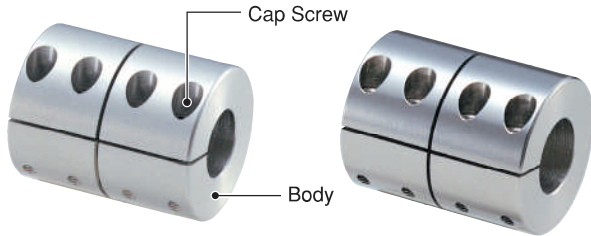


MLR

Configuration

MLR-C Clamp Type

MLRS-C Clamp Type



MLR-V Semi-Split Type

MLRS-V Semi-Split Type



Material	Attachment	
	Clamp Type	Semi-Split Type
Aluminum Alloy	MLR -**C	MLR -**V
Stainless Steel	MLRS-**C	MLRS-**V

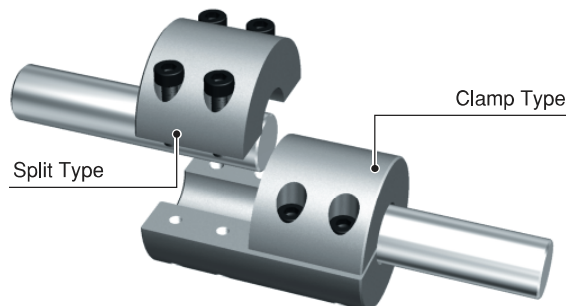
Material & Finish

Code	MLR-C/MLR-V	MLRS-C/MLRS-V
Body	A2017, Anodized Coating	SUS303
Cap Screw	SCM435, Black Oxide Coating*	SUSXM7

* Stock screws can be replaced with stainless steel screws. Please take advantage of our stainless steel screw option. For more information please refer to page 16.

Semi-Split Type

Semi-split type couplings consist of a clamp type hub on one side and a split type hub on the other side. This type allows equipment to be installed into the split type hub while the other shaft remains fixed firmly in place with the clamp type hub.



Features

Merits

Long Type

- Long Type Rigid Coupling
- Can be used as a joint to connect shafts
- Also available in aluminum alloy and stainless steel
- Clamp type and semi-split type also available
- Finished products featuring two different end bore diameters available in stock

Application	
Servomotor	○
Stepping Motor	○
General-Purpose Motor	—
Encoder	○
Special Characteristics	
Zero Backlash	○
High Torsional Stiffness	○
High Torque	●
Allowable Misalignment	—
Vibration Absorption	—
Electrical Insulation	—
Corrosion Resistant (All Stainless Steel)	○

○ : Excellent ● : Very Good

When Ordering

Specify product code and both bore diameters.

MLR-16V-6×6

Product Code

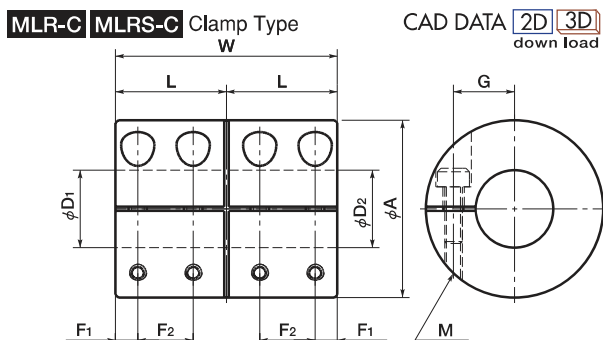
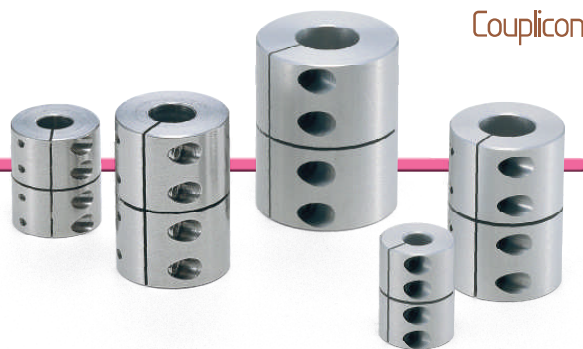
D₁

D₂

- High precision rigid coupling **XRP** is available.



XRP (P.56~P.59)



Dimensions

MLR-C MLRS-C Clamp Type

unit:mm

Product Code	A	L	W	F ₁	F ₂	G	M	Wrench Torque (N·m)	Stock Bore Diameters						
									D ₁ ×D ₂						
MLR -16C	16	11	22	2.5	5.5	5	M2	0.5	5× 5	5× 6	6× 6				
MLR -20C	20	12	24	2.5	6	7	M2	0.5	6× 6	6× 8	8× 8				
MLR -25C	25	18	36	4.5	9	9	M2.5	1	8× 8	8×10	10×10	12×12			
MLR -32C	32	20	40	4	10	11	M3	1.5	10×10	10×12	10×14	12×12	12×14	14×14	15×15
MLRS-16C	16	11	22	2.5	5.5	5	M2	0.5	5× 5	5× 6	6× 6				
MLRS-20C	20	12	24	2.5	6	7	M2	0.5	6× 6	6× 8	8× 8				
MLRS-25C	25	18	36	4.5	9	9	M2.5	1	8× 8	8×10	10×10	12×12			
MLRS-32C	32	20	40	4	10	11	M3	1.5	10×10	10×12	10×14	12×12	12×14	14×14	15×15

- All products come with cap screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- Bore and keyway modifications are available on request. Please take advantage of our bore modification services. For more information please refer to pages 17~19.

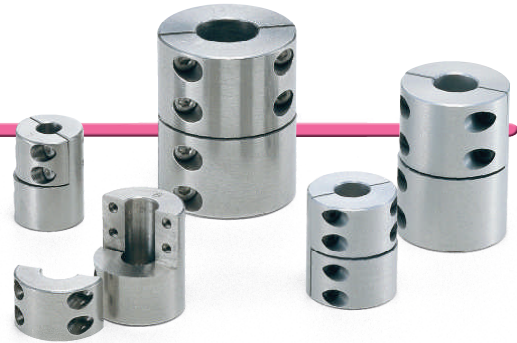
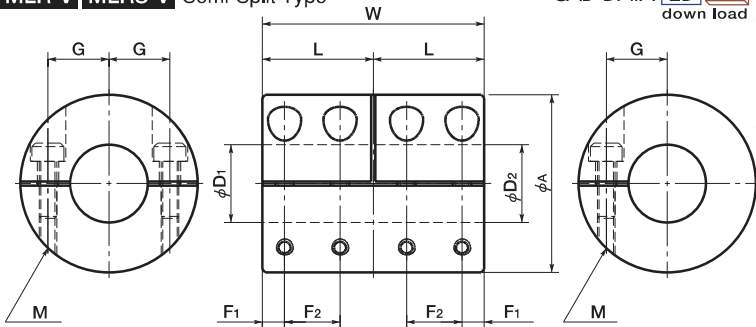
Specifications

Product Code	Max. Bore (mm)	Rated* Torque (N·m)	Max.* Torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment** of Inertia (kg·m ²)	Mass** (g)
MLR -16C	6	0.3	0.6	39000	3.4×10 ⁻⁷	10
MLR -20C	8	0.5	1	31000	9.2×10 ⁻⁷	18
MLR -25C	12	1	2	25000	3.4×10 ⁻⁶	38
MLR -32C	15	2	4	19000	1.0×10 ⁻⁵	70
MLRS-16C	6	0.3	0.6	39000	8.9×10 ⁻⁷	25
MLRS-20C	8	0.5	1	31000	2.5×10 ⁻⁶	45
MLRS-25C	12	1	2	25000	9.2×10 ⁻⁶	100
MLRS-32C	15	2	4	19000	2.7×10 ⁻⁵	180

* Adjustment of rated and maximum torque specifications for load fluctuations is not required. For more detailed information, please refer to For Better Drive on page 34.
 ** Moment of inertia and mass figures based on maximum bore dimensions.

MLR-V MLRS-V Semi-Split Type

CAD DATA [2D](#) [3D](#)
down load



Dimensions

MLR-V MLRS-V Semi-Split Type

unit:mm

Product Code	A	L	W	F ₁	F ₂	G	M	Wrench Torque (N·m)	Stock Bore Diameters	
									D ₁ ×D ₂	
MLR -16V	16	11	22	2.5	5.5	5	M2	0.5	6×6	
MLR -20V	20	12	24	2.5	6	7	M2	0.5	8×8	
MLR -25V	25	18	36	4.5	9	9	M2.5	1	10×10	12×12
MLR -32V	32	20	40	4	10	11	M3	1.5	14×14	15×15
MLRS-16V	16	11	22	2.5	5.5	5	M2	0.5	6×6	
MLRS-20V	20	12	24	2.5	6	7	M2	0.5	8×8	
MLRS-25V	25	18	36	4.5	9	9	M2.5	1	10×10	12×12
MLRS-32V	32	20	40	4	10	11	M3	1.5	14×14	15×15

- All products come with cap screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- Bore and keyway modifications are available on request. Please take advantage of our bore modification services. For more information please refer to pages 17~19.

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MLRS-25V	12	1	2	25000	9.3×10 ⁻⁶	100
MLRS-32V	15	2	4	19000	2.8×10 ⁻⁵	180

- * Adjustment of rated and maximum torque specifications for load fluctuations is not required. For more detailed information, please refer to For Better Drive on page 34.
- ** Moment of inertia and mass figures based on maximum bore dimensions.