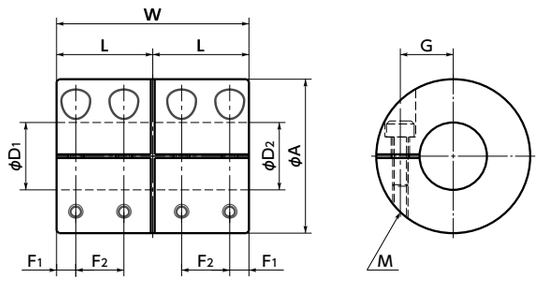
Couplicon®

MLR-C / MLRS-C Rigid coupling - Clamping type

WEB Selection Tool　WEB CAD Download　Zero Backlash　High Rigidity　SUS Stainless steel

MLR-C Made of aluminum alloy
MLRS-C Made of all stainless steel



Dimensions

Unit : mm

Part Number 1	A	L	W	F1	F2	G	M	Screw Tightening Torque (N・m)	Standard Bore Diameter D1-D2 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 are provided with hex socket head cap screws.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.258

Performance

Part Number	Max. Bore Diameter (mm)	Rated torque*1 (N・m)	Max. Rotational Frequency (min^{-1})	Moment of Inertia*2 ($kg \cdot m^2$)	Mass*2 (g)
MLR-16C	6	1	39000	3.4×10^{-7}	10
MLR-20C	8	2.5	31000	9.2×10^{-7}	18
MLR-25C	12	4.5	25000	3.4×10^{-6}	38
MLR-32C	15	10	19000	1.0×10^{-5}	70
MLRS-16C	6	0.3	39000	8.9×10^{-7}	25
MLRS-20C	8	0.5	31000	2.5×10^{-6}	45
MLRS-25C	12	1	25000	9.2×10^{-6}	100
MLRS-32C	15	2	19000	2.7×10^{-5}	180

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

Additional Keyway at Shaft Hole ➡ P.803	Cleanroom Wash & Packaging ➡ P.807	Change to Stainless Steel Screw ➡ P.805
Please feel free to contact us	Available / Add'l charge	Available / Add'l charge

- Part number specification

MLR-16C - 5-5
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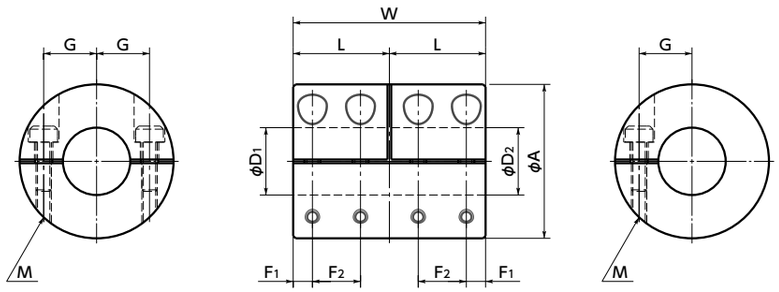
Couplicon®

MLR-V / MLRS-V Rigid coupling - Semi - split type

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

MLR-V Made of aluminum alloy
MLRS-V Made of all stainless steel



Dimensions

Unit : mm

Part Number 1	A	L	W	F1	F2	G	M	Screw Tightening Torque (N・m)	Standard Bore Diameter D1-D2 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 are provided with hex socket head cap screws.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.258

Performance

Part Number	Max. Bore Diameter (mm)	Rated torque*1 (N・m)	Max. Rotational Frequency (min^{-1})	Moment of Inertia*2 ($kg・m^2$)	Mass*2 (g)
MLR-16V	6	1	39000	3.5×10^{-7}	10
MLR-20V	8	2.5	31000	9.5×10^{-7}	18
MLR-25V	12	4.5	25000	3.4×10^{-6}	38
MLR-32V	15	10	19000	1.0×10^{-5}	70
MLRS-16V	6	0.3	39000	9.1×10^{-7}	25
MLRS-20V	8	0.5	31000	2.6×10^{-6}	45
MLRS-25V	12	1	25000	9.3×10^{-6}	100
MLRS-32V	15	2	19000	2.8×10^{-5}	180

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

Additional Keyway at Shaft Hole ➡ P.803	Cleanroom Wash & Packaging ➡ P.807	Change to Stainless Steel Screw ➡ P.805
Please feel free to contact us	Available / Add'l charge	Available / Add'l charge

- Part number specification

MLRS-20V - 8-8
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