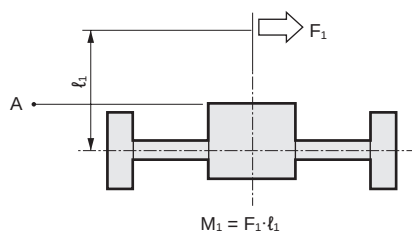
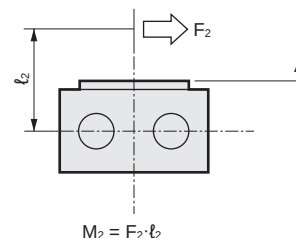


MRL2-G / MRL2-W slider runout amount

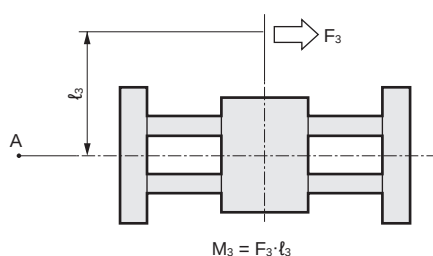
● Bending moment



● Radial moment



● Torsion moment



Bore size	Moment load		Table runout amount at point A (± mm)		
	MRL2	MRL2-G,W	M ₁ direction	M ₂ direction	M ₃ direction
ø6	M ₁ , M ₃ : 0.2 N·m M ₂ : 0.1 N·m		1.5	1.46	1.05
ø10	M ₁ , M ₃ : 0.6 N·m M ₂ : 0.2 N·m		1.61	1.12	0.92
ø16	M ₁ , M ₃ : 2.5 N·m M ₂ : 0.5 N·m		1.3	1.16	0.87
ø20	M ₁ , M ₂ , M ₃ : 2.5 N·m		0.89	0.96	0.65
ø25	M ₁ , M ₂ , M ₃ : 5 N·m		1.1	0.92	0.7
ø32	M ₁ , M ₂ , M ₃ : 5 N·m		1.0	0.77	0.6

*1: Point A is a point that is 200 mm away from the center of the slider.

Rubber cushion and rubber-air cushion comparison data (reference values)

Measurement of the noise level (dB) generated when the piston collides at the end of the stroke.

Measuring conditions

- Sample cylinder : MRL2 basic type, stroke 200 mm
- Piston speed upon collision at end of stroke : V = 300 mm/S
- Distance between noise level meter and cylinder : 0.25 m
- Load : No load

Representative example

Unit: dB

Bore size	Rubber cushion	Rubber-air cushion
ø6	51.2	44.7
ø10	51.2	45.6
ø16	63.4	48.2
ø20	75.9	59.3