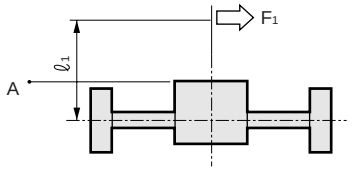
SCP*2
CMK2
CMA2
SCM
SCG
SCA2
SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*
FC*
STK
ULK*
JSK/M2
JSG
JSC3
USSD
USC
JSB3
LMB
STG
STS/L
LCS
LCG
LCM
LCT
LCY
STR2
UCA2
HCM
HCA
SRL2
SRG
SRM
SRT
MRL2
MRG2
SM-25
CAC3
UCAC
RCC2
MFC
SHC
GLC
Ending

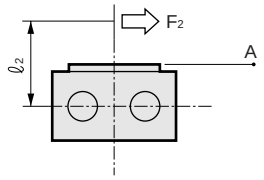
Runout volume of MRL2-G/MRL2-W slider

● Bending moment



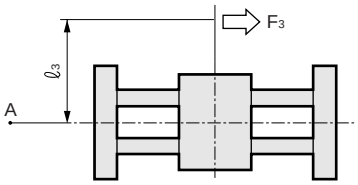
$M_1 = F_1/\ell_1$

● Radial moment



$M_2 = F_2/\ell_2$

● Twist moment



$M_3 = F_3/\ell_3$

Port size	Moment load		Table deflection at point A (±mm)		
	MRL2	MRL2-G,W	M1 direction	M2 direction	M3 direction
ϕ6	M1, M3: 0.2N·m M2: 0.1N·m		1.5	1.46	1.05
ϕ10	M1, M3: 0.6N·m M2: 0.2N·m		1.61	1.12	0.92
ϕ16	M1, M3: 2.5N·m M2: 0.5N·m		1.3	1.16	0.87
ϕ20	M1, M2,M3: 2.5N·m		0.89	0.96	0.65
ϕ25	M1, M2, M3: 5N·m		1.1	0.92	0.7
ϕ32	M1, M2, M3: 5N·m		1.0	0.77	0.6

Note 1: Point A is 200 mm from the center of the slider.

Comparative data of rubber cushion and rubber-air cushion (reference value)

Measure noise levels (dB) when the piston collides against the stroke end.

Measuring conditions

1. Sample cylinder : MRL2 basic type, stroke length 200mm
2. Piston speed at collision against stroke end : V = 300mm/S
3. Distance between noise level meter and cylinder : 0.25m
4. Load : Loadless

Example

Unit: dB

Bore size	Rubber cushion	Rubber-air cushion
ϕ6	51.2	44.7
ϕ10	51.2	45.6
ϕ16	63.4	48.2
ϕ20	75.9	59.3