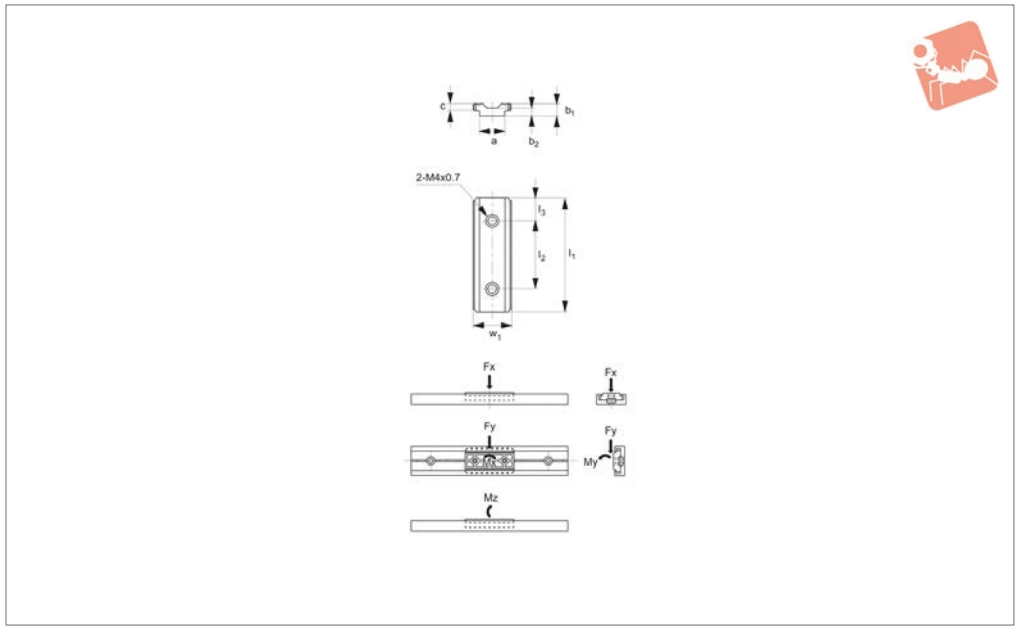


P0300

Material
Body: special low friction polyethylene.
Insert nut: stainless steel, AISI 302.

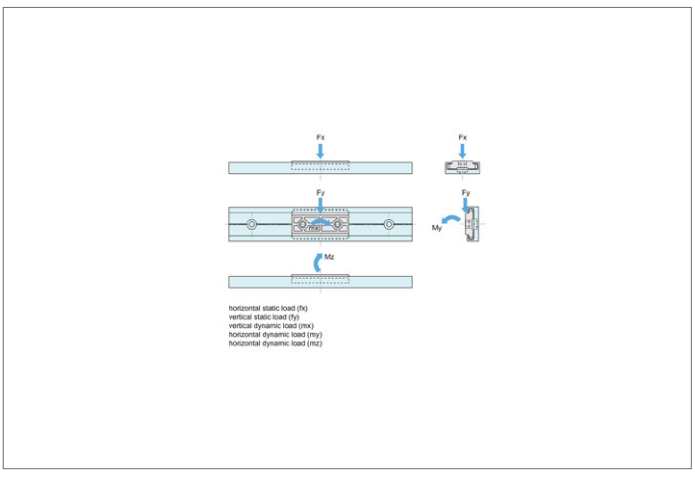
Technical Notes
Compact design for wide range of small stroke applications.
Provides outstanding performance with lighter movement than ball-bearing slides.
Material values:
- Coefficient of friction μ 0.15
- Coefficient of dynamic friction μ 0.10
- Limited PV value 3Mpa.m/min

pv = p (pressure Mpa) x V (slide speed m/min)
p = 0.74 Mpa
V = 12 m/min.

Important Notes
Dynamic and static loads provided as a guide, please apply following reduction factors for application conditions:
- Low speed/low operation frequency = use 70 to 90% of load rating.
- Moderate speed/high operation frequency = use 35 to 65% of load rating.
- High operation frequency with vibration = use 10 to 30% of load rating.

Order No.	Size	Type	a	b_1	b_2	c	w_1	l_1	l_2	l_3	Weight g
P0300.AC0020	20	Carriage	11.2	5.2	3.5	2.7	16.8	50	30	10	7
P0300.AC0050	30	Carriage	18.0	7.0	-	4.3	25.8	50	30	10	7

Order No.	Horiz. static load fx kg/f	Vert. static load fy kg/f	Vert. dynm. load mx kg/f	Horiz. dynm. load my kg/f	Horiz. dynm. load mz kg/f
P0300.AC0020	30.6	17.8	-	-	-
P0300.AC0050	26.0	15.0	25.0	12.5	12.5



Load Capacity Information

mini slides with mini rail

Load ratings

Load rating for mini slider P0300.AC0020 (size 20)

Material values

Coefficient of friction μ 0.15

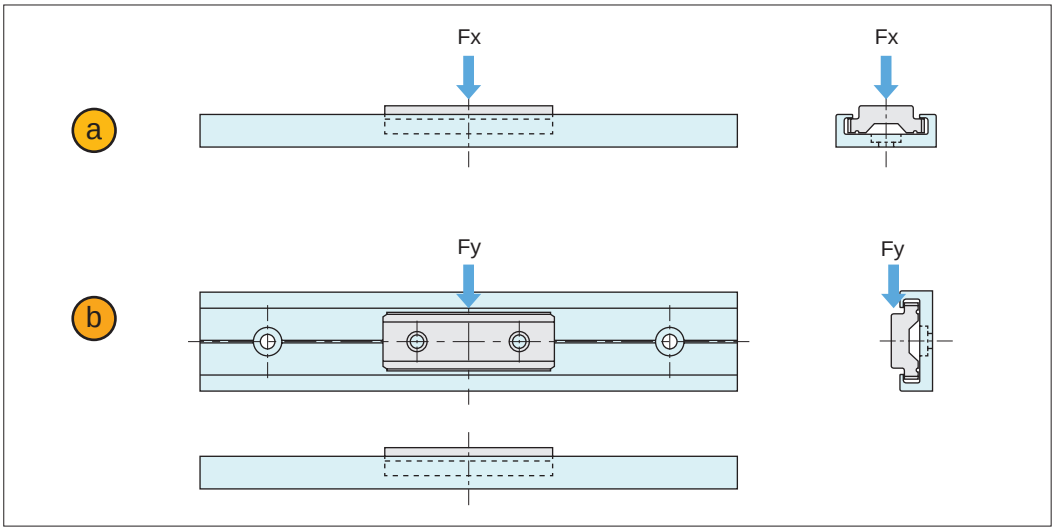
Coefficient of dynamic friction μs 0.10

Limited PV value 3 Mpa.m/min

PV = p (pressure Mpa) x V (slide speed m/min)

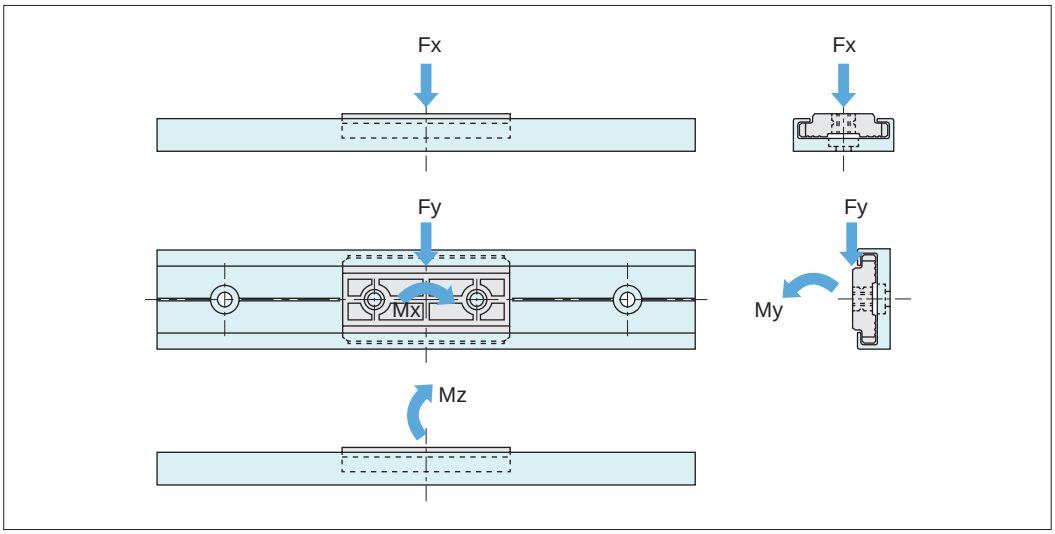
p = 0.74 Mpa

V = 12m/min



a Horizontal static load Fx	30.6 kgf (67.5 lbs)
b Vertical static load Fy	17.8 kgf (39.2 lbs)

Load rating for mini slider P0300.AC0050 (size 30)



Horizontal static load Fx	26 kgf (57.2 lbs)
Verical static load Fy	15 kgf (33 lbs)
Vertical dynamic load Mx	25 kgf • cm (21.6 lbs • in)
Horizontal dynamic load My	12.5 kgf • cm (10.8 lbs • in)
Horizontal dynamic load Mx	12.5 kgf • cm (10.8 lbs • in)

Important Note: Dynamic and static loads provided as a guide, please apply following reduction factors for application conditions:

Low speed/low operation frequency = use 70 to 90% of load rating.

Moderate speed/high operation frequency = use 35 to 65% of load rating.

High operation frequency with vibration = use 10 to 30% of load rating.