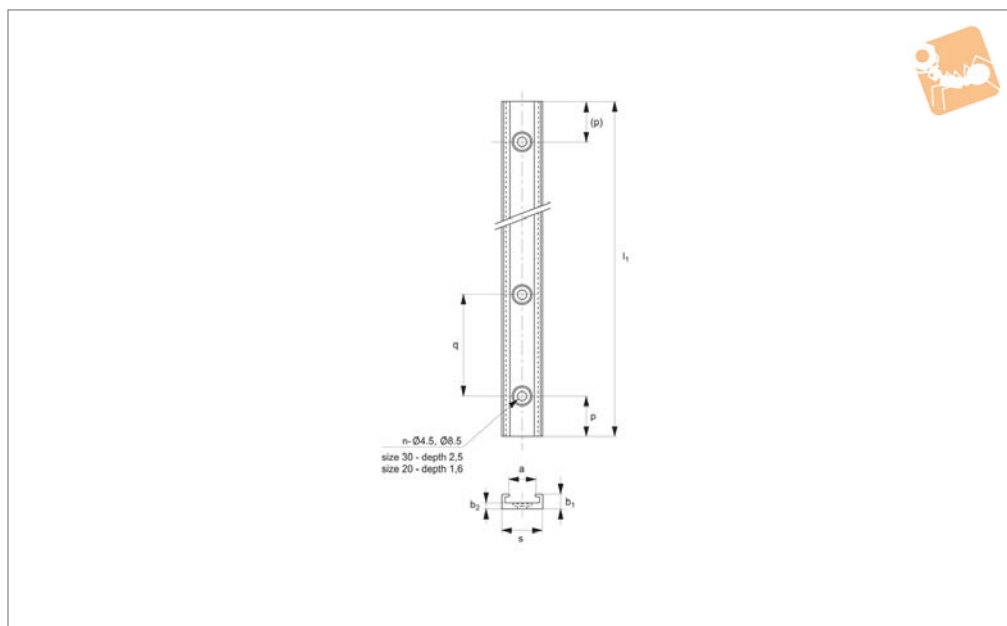




Mini Slide Rail

for use with mini slide carriage L1300

Linear Guide-ways



L1301

LINEAR GUIDEWAYS

Material

Aluminium, anodized (except ends).

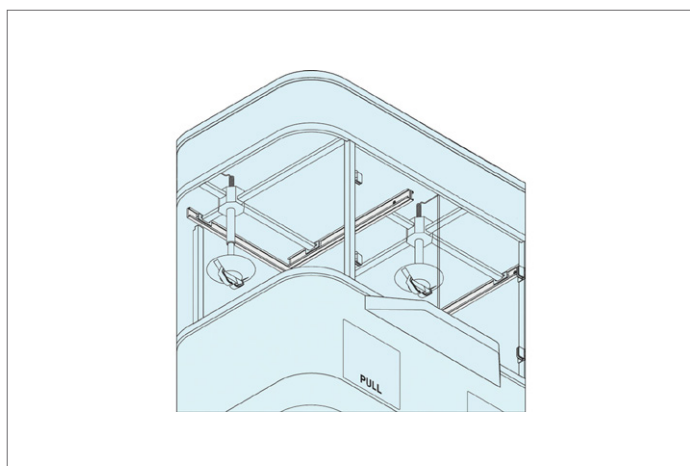
protection against corrosion.

Technical Notes

9-micron anodized film provides excellent

Compact design used in conjunction with mini-slide carriage L1300, suitable for wide variety of applications.

Order No.	Size	Type	l_1	p	No. of holes in slide length	s	a	b_1	b_2	q	Weight g
L1301.0010	30	Rail	100	10	3	30	19.8	10.0	3.88	40	39
L1301.0020	30	Rail	200	20	5	30	19.8	10.0	3.88	40	79
L1301.0040	30	Rail	400	20	10	30	19.8	10.0	3.88	40	159
L1301.0080	30	Rail	800	20	20	30	19.8	10.0	3.88	40	312
L1301.0200	30	Rail	2000	20	50	30	19.8	10.0	3.88	40	790
L1301.0012	20	Rail	100	25	2	20	11.2	8.2	2.88	50	20
L1301.0022	20	Rail	200	25	4	20	11.2	8.2	2.88	50	40
L1301.0042	20	Rail	400	25	8	20	11.2	8.2	2.88	50	80
L1301.0082	20	Rail	800	25	16	20	11.2	8.2	2.88	50	160
L1301.0202	20	Rail	2000	25	40	20	11.2	8.2	2.88	50	400





Load ratings

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

Material values

Coefficient of friction μ 0.15

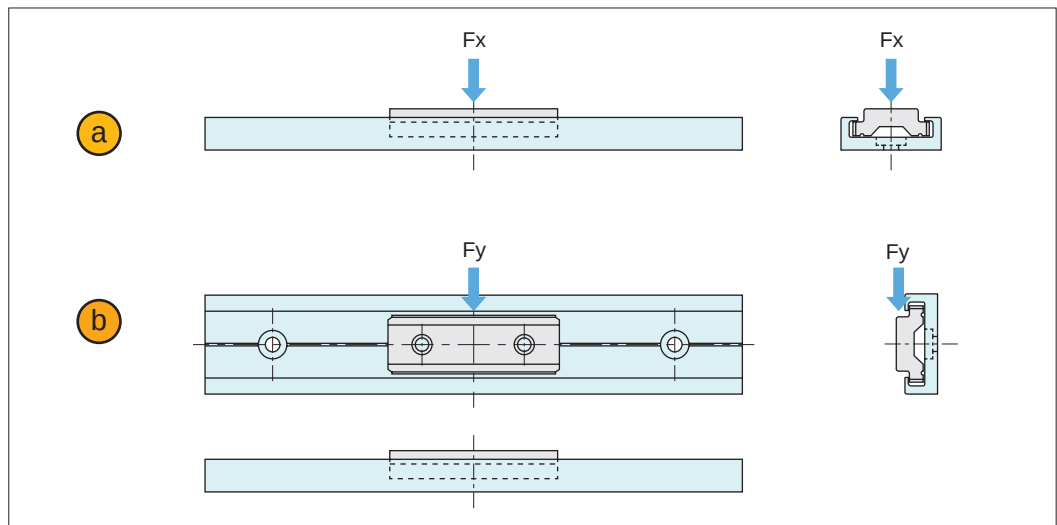
Coefficient of dynamic friction μ_s 0.10

Limited PV value 3 Mpa.m/min

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

p = 0.74 Mpa

V = 12m/min



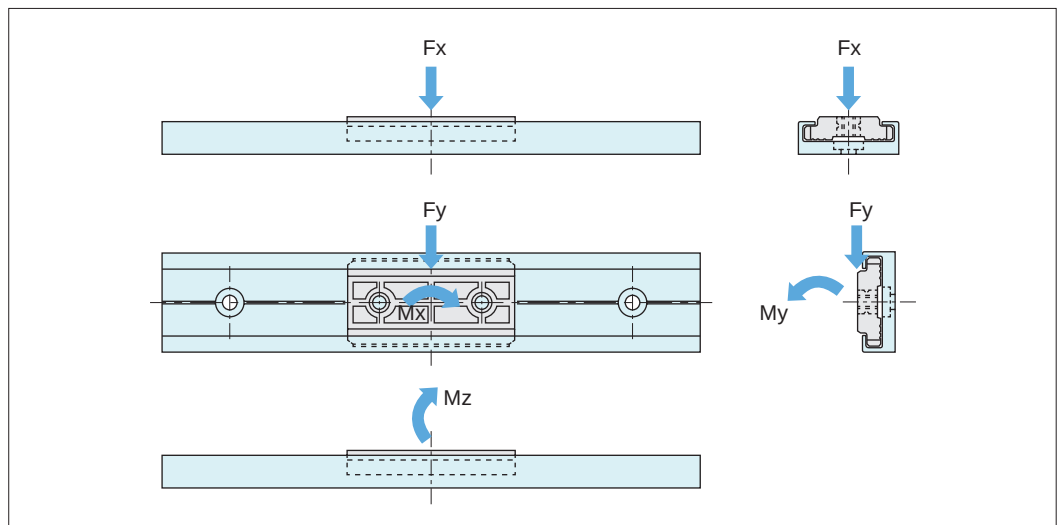
a Horizontal static load F_x

30.6 kgf (67.5 lbs)

b Vertical static load F_y

17.8 kgf (39.2 lbs)

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



Horizontal static load F_x

26 kgf (57.2 lbs)

Verical static load F_y

15 kgf (33 lbs)

Vertical dynamic load M_x

25 kgf • cm (21.6 lbs • in)

Horizontal dynamic load M_y

12.5 kgf • cm (10.8 lbs • in)

Horizontal dynamic load M_z

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.