

LOAD CAPACITY

LINEAR SYSTEM	LR 12							LR 16	
SLIDE	LR 6 COMPACT	SLIDE LR 6 WITH 4 BEARINGS L = 90 mm	SLIDE 45 WITH 4 BEARINGS L = 180 mm	SLIDE 90 WITH 4 BEARINGS L = 180 mm	SLIDE 135 WITH 4 BEARINGS L = 180 mm	SLIDE 180 WITH 4 BEARINGS L = 180 mm	SLIDE 180 WITH 8 BEARINGS L = 360 mm	SLIDE LR 16-45	SLIDE LR 16-90
Mx max.	40 Nm	30 Nm	79 Nm	107 Nm	130 Nm	165 Nm	240 Nm	158 Nm	214 Nm
My max.	40 Nm	75 Nm	120 Nm	120 Nm	120 Nm	120 Nm	275 Nm	288 Nm	288 Nm
Mz max.	40 Nm	40 Nm	202 Nm	202 Nm	202 Nm	202 Nm	470 Nm	323 Nm	323 Nm
Fy max.	700 N	800 N	3500 N	3500 N	3500 N	3500 N	7000 N	7000 N	7000 N
Fz max.	1100 N	640 N	1500 N	1500 N	1500 N	1500 N	3000 N	3000 N	3000 N

Maximal Speed

Slide 45 - 180: 10 m/sec

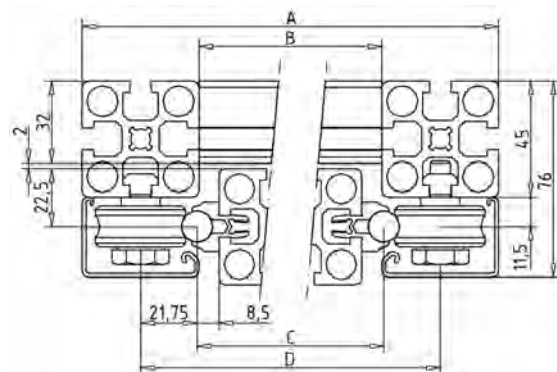
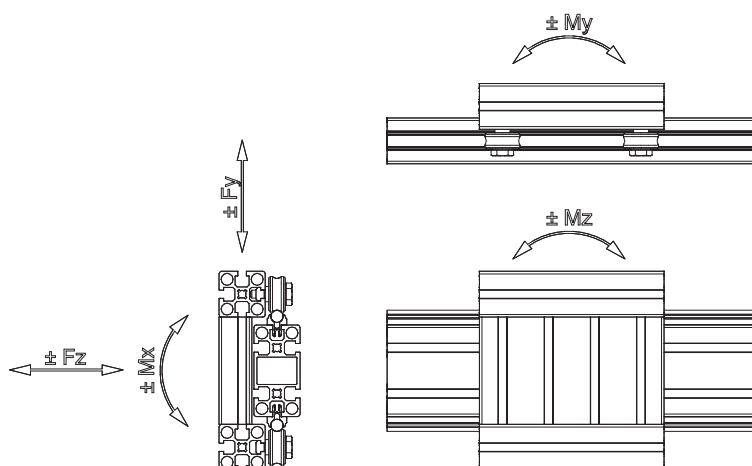
Slide LR 6: 5 m/sec

CALCULATING THE PERMISSIBLE MOMENT LOAD DEPENDING ON THE CARRIAGE LENGTH, WITH 4 BEARINGS:

$$My \text{ max.} = 0.89 \cdot (L-45) \text{ Nm}$$

$$Mz \text{ max.} = 1.50 \cdot (L-45) \text{ Nm}$$

L = Slide length



REFERENCE VARIABLE

SLIDE TYPE / DIMENSION	LR 6 COMPACT	LR 6	LW 45	LW 90	LW 135	LW 180	LR 16-45	LR 16-90
A	45	90	150.5	195.5	240.5	285.5	210	255
B	-	-	60.5	105.5	150.5	195.5	-	-
C	30	32	62	107	152	197	85	130
D	2	60	105.5	150.5	195.5	240.5	149.5	194.5