

Linear Modules Series IL

The linear modules series **IL** are especially suitable when smooth sliding in combination with high loading capacity and small dimensions are required. They are composed by an anodized aluminium extrusion within which the sliding bars are secured by means of rolling procedure. The carriage is integrated within the guide volume and is equipped with three gothic arch shaped in-line **NIKO** rollers. The central roller is mounted on an eccentric spindle to allow the carriage preloading. The main features are:

- Small dimensions
- High translation speed
- No maintenance required
- Low noise level
- Interchangeability
- Easy installation
- Compact applications



Linear Systems Series IL32

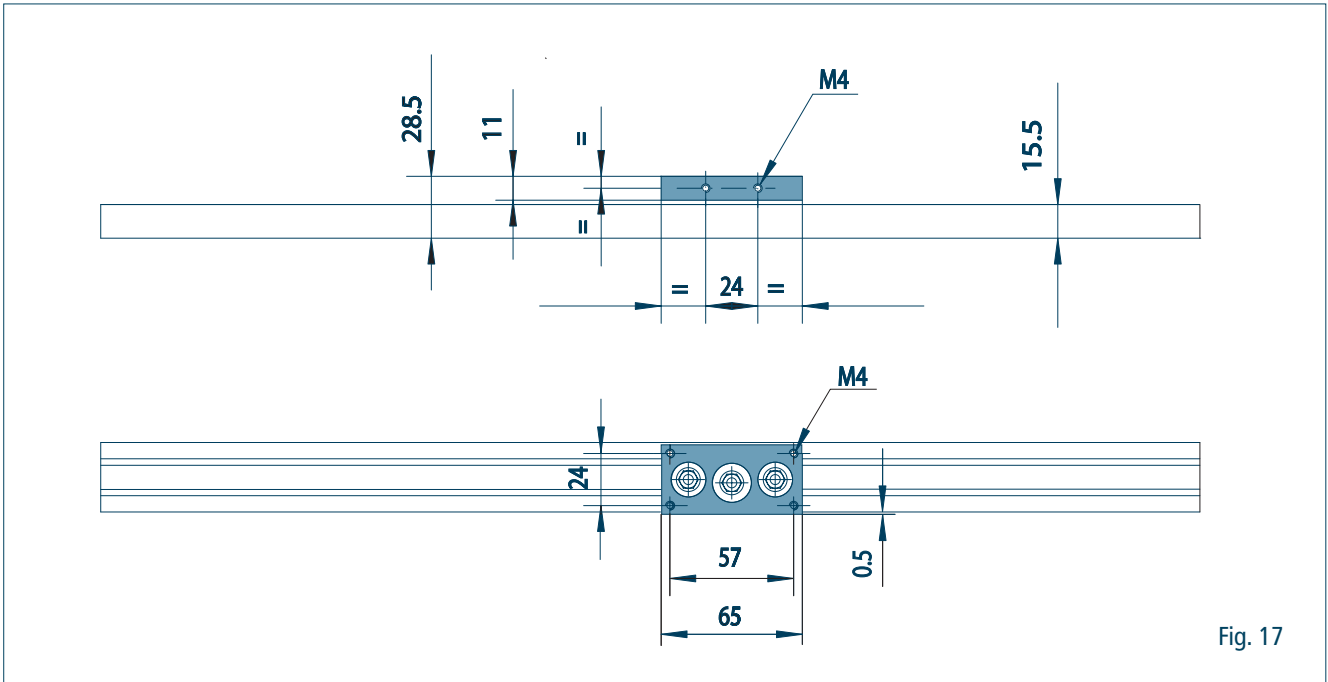


Fig. 17

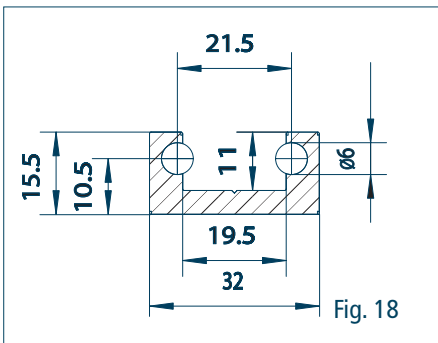


Fig. 18

Guide Profile

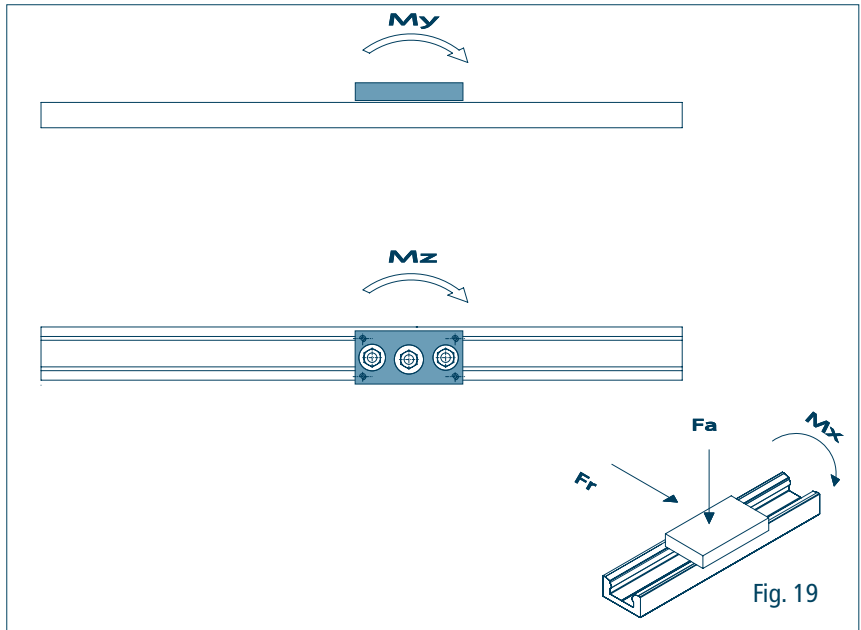


Fig. 19

Static Moments and Limit Loads

Table 12

Components		Limit Load (N)		Static Moment (Nm)			Carriage Weight (kg)
Carriage	Rollers	Fr	Fa	My	Mz	Mx	
C32	RPC 17-RPE17	980	330	5,2	9	3,2	0.15

Linear Systems Series IL42

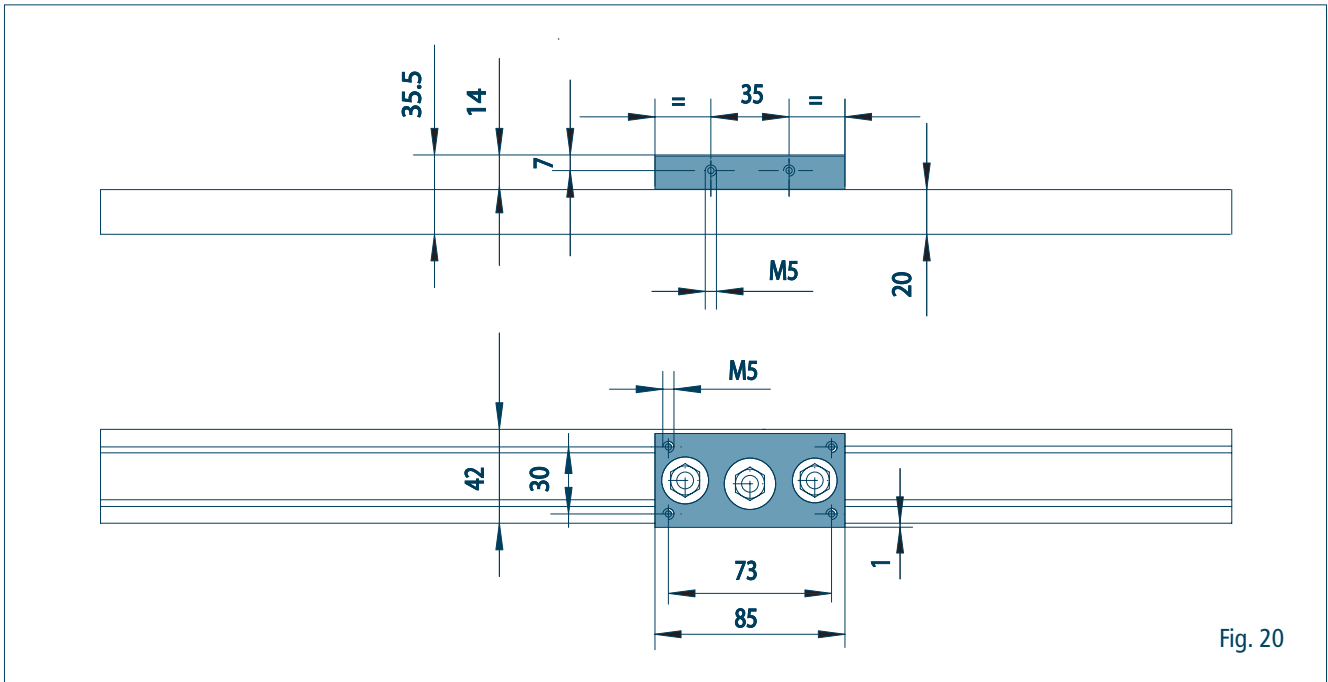


Fig. 20

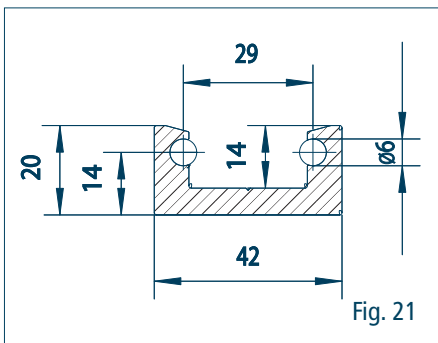


Fig. 21

Guide Profile

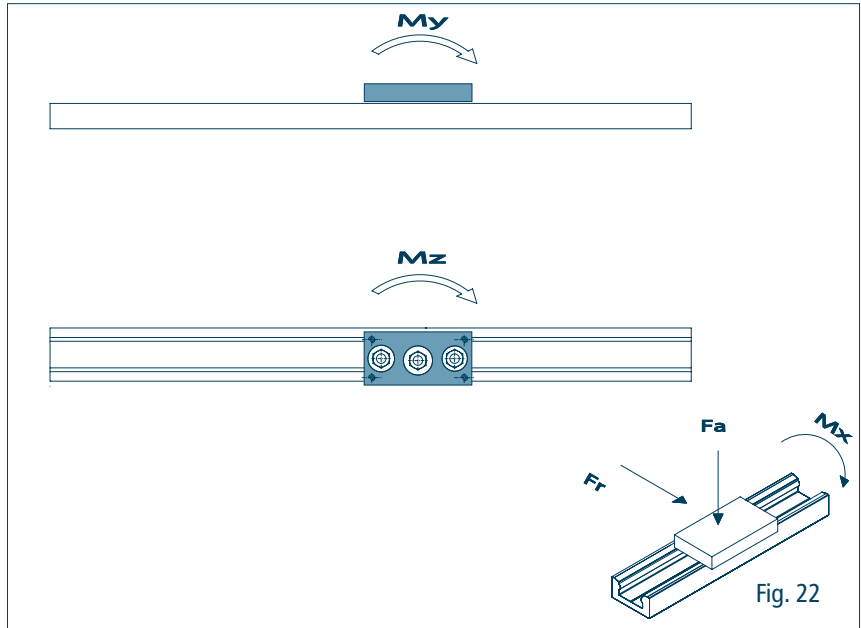


Fig. 22

Static Moments and Limit Loads

Table 13

Components		Limit Load (N)		Static Moment (Nm)			Carriage Weight (kg)
Carriage	Rollers	F_r	F_a	M_y	M_z	M_x	
C42	RPC24-RPE24	1680	500	14,5	25	7,5	0.30

Linear Systems Series IL65

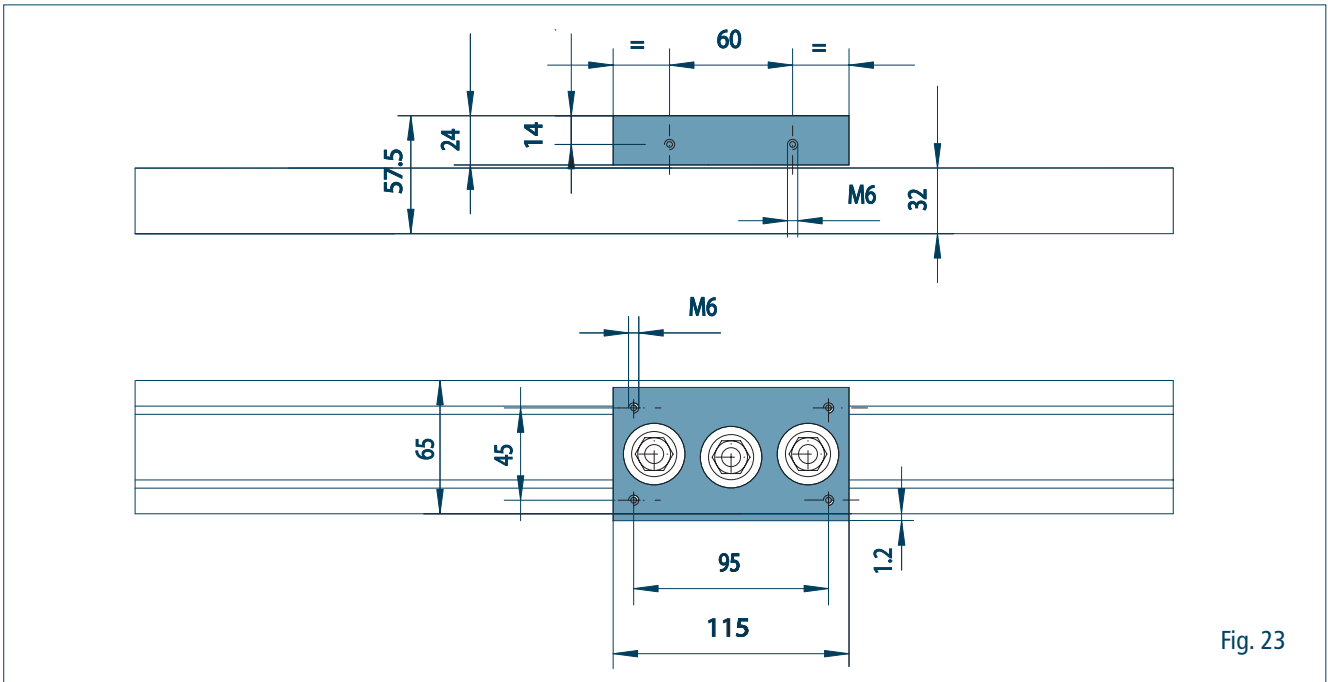


Fig. 23

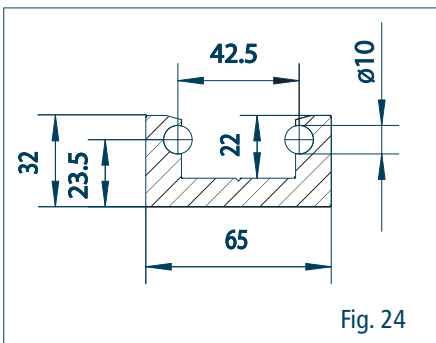


Fig. 24

Guide Profile

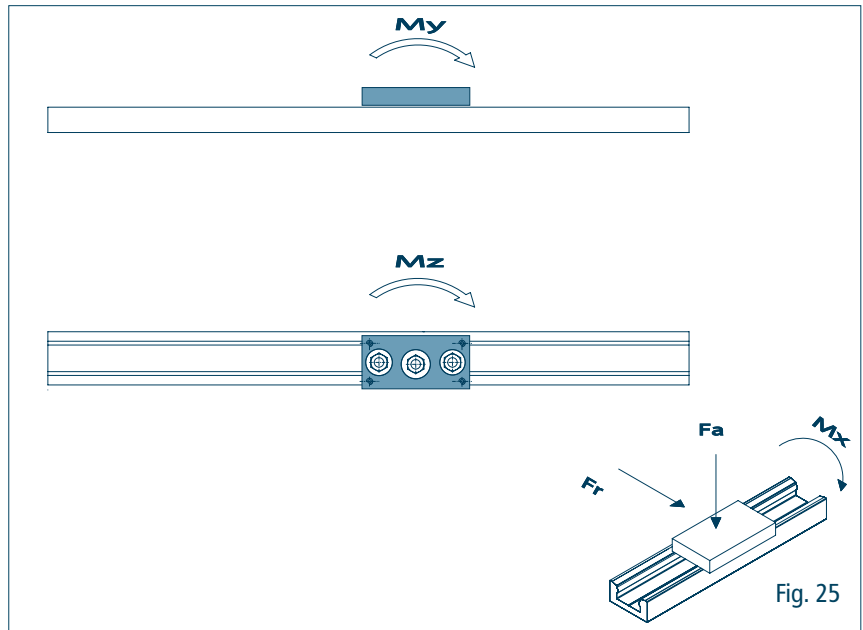


Fig. 25

Static Moments and Limit Loads

Table 14

Components		Limit Load (N)		Static Moment (Nm)			Carriage Weight (Kg)
Carriage	Roller	Fr	Fa	My	Mz	Mx	
C65	RPC35-RPE35	3930	1160	44	76	25,5	0.80