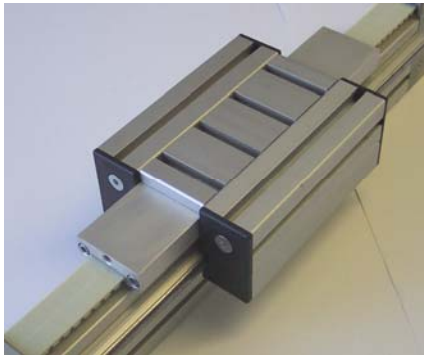
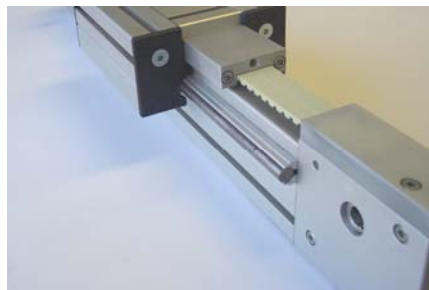


The OU is based on a double row, angular contact bearing made of bearing steel and hardened, precision-ground shafts  $\varnothing$  12 mm. Any required stroke length can be made.

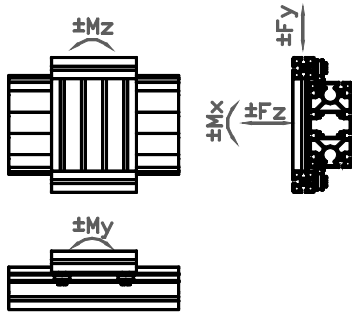


The slides are equipped with double row, roller bearings with gothic arch outer groove. For very high loads, multiple bearings may be used. The bearings are attached with steel T-Slot Bars directly to the slide plate, giving the construction great rigidity. No special bearing profiles are required for the assembly. The clearance between bearings and shafts can be adjusted by eccentric bushings.



Both closed and open frame slides with any desired length or width can be fabricated. X/Y tables are easily constructed by the attachment of 4 bearings to the top of the slide. The guide rails for this configuration are made from profile 45 x 32.

The slides are completely covered and lubrication felts are fitted in the end caps, which clean and grease the shafts. For maintenance purposes, the felts can be exchanged quickly and easily without tools. This feature is particularly important in applications involving tough working conditions.



OZ 45 & OZ 90      OZ 180

$F_y$ Max.	3,500 N	7,000 N
$F_z$ Max.	1,500 N	3,000 N

### Maximum Moment Loads

	Slide 45 4 bearings L=180 mm	Slide 90 4 bearings L=180 mm	Slide 180 4 bearings L=180 mm	Slide 180 8 bearings L=360 mm
$M_x$ Max.	79 Nm	107 Nm	165 Nm	240 Nm
$M_y$ Max.	120 Nm	120 Nm	120 Nm	275 Nm
$M_z$ Max.	202 Nm	202 Nm	202 Nm	470 Nm

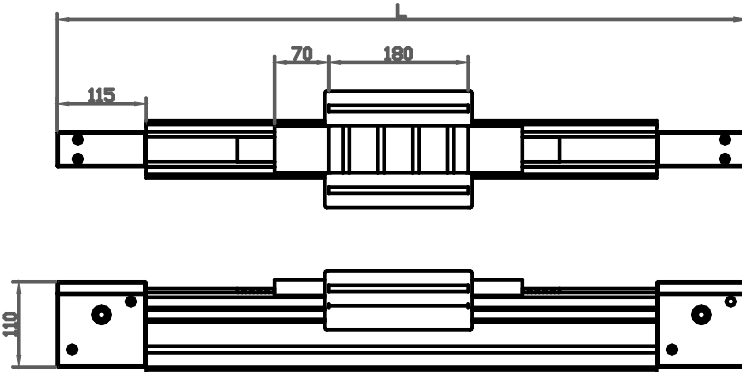
Calculation of max. moment loads as a function of slide length:

$$M_y \text{ Max.} = 0.89 \cdot (L-45) \text{ Nm}$$

$$M_z \text{ Max.} = 1.50 \cdot (L-45) \text{ Nm, where}$$

$$L = \text{length of slide}$$

Max. Speed: 10m / sec.



### CALCULATION OF TOTAL LENGTH

$$\begin{aligned} & \text{Travel} \\ & + \text{Slide Length} \\ & + 2x \text{ Reverse Unit} \\ & + 2x \text{ Belt Tensioner} \\ & + 40\text{mm Security Distance} \\ & = \text{travel} + \text{slide length} + 410\text{mm} \end{aligned}$$