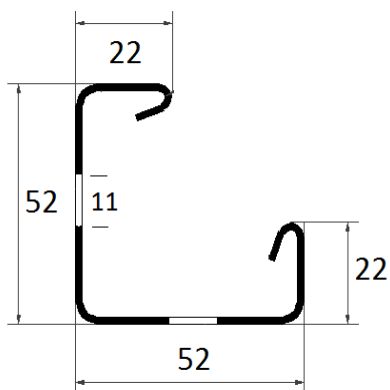
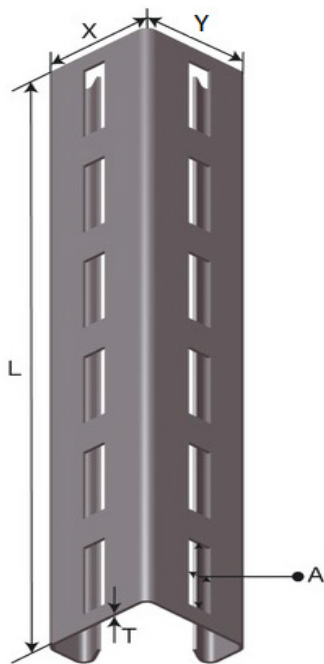


# PRODUCT CALCULATION BASIS

## Mekano 50-2 1,5mm



### Material Data

Material	AISI 316L
Weight (kg/m)	1,7

### Dimensional Data

L - Length (mm)	3000
T - Thickness (mm)	1,5
X - (mm)	52
Y - (mm)	52
A - Hole size (mm)	11x35
CC - (mm)	50

### Mechanical Properties

$A_E$ Effective cross-section area (mm <sup>2</sup> )	215
$I_{TE}$ Effective moment of inertia, torsion (mm <sup>4</sup> )	169
$I_{XE}$ Effective moment of inertia, bending about X-axis (mm <sup>4</sup> )	81 598
$I_{YE}$ Effective moment of inertia, bending about Y-axis (mm <sup>4</sup> )	81 598
$I_{XYE}$ Effective moment of inertia, bending about weakest axis (mm <sup>4</sup> )	49 089
$W_{XP}$ Moment of resistance, bending about X-axis, perforated (mm <sup>3</sup> )	2 663
$W_{YP}$ Moment of resistance, bending about Y-axis, perforated (mm <sup>3</sup> )	2 663
$C_{TP}$ Moment of resistance, torsion, perforated (mm <sup>3</sup> )	113