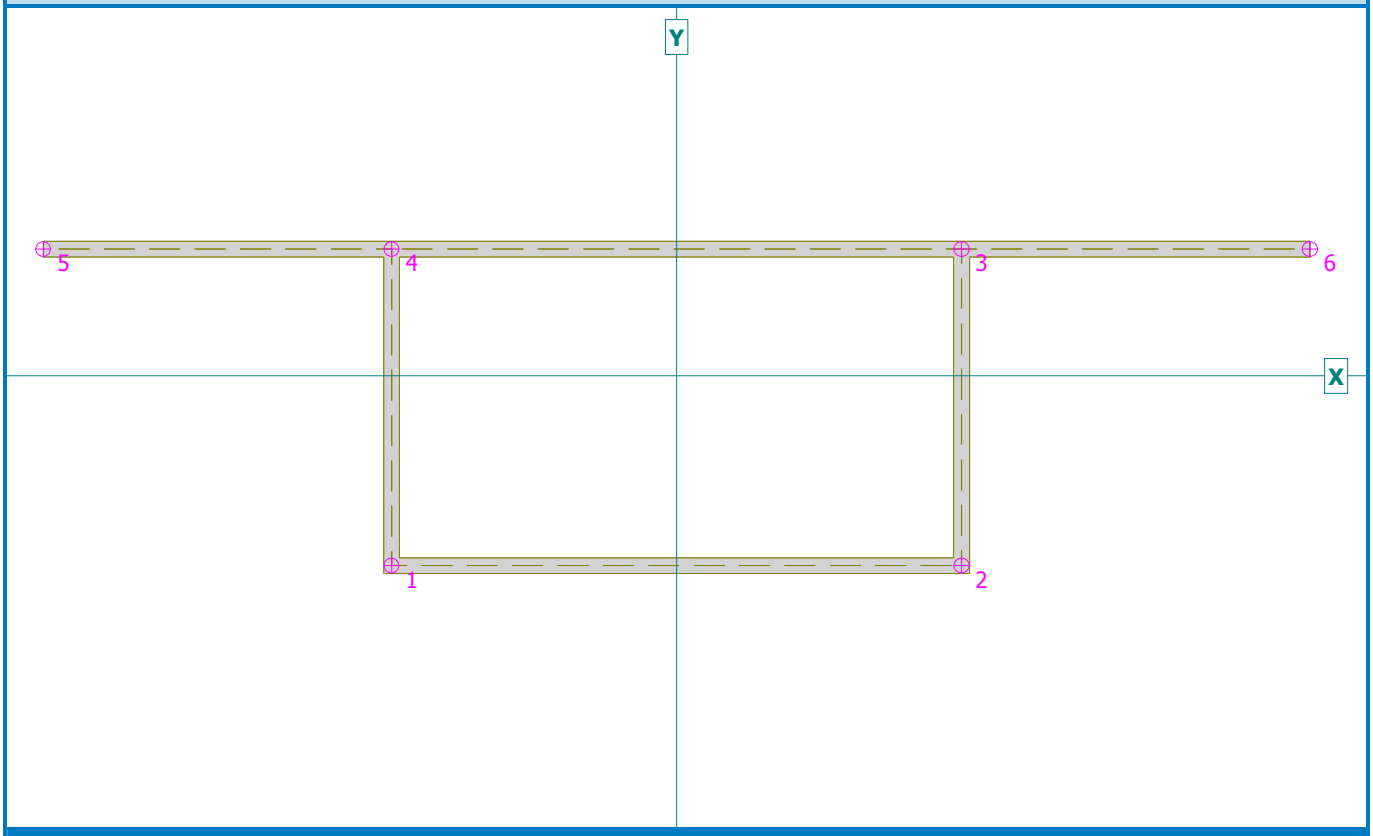
Chamber section with overlap



VALUES	
Position of centre of gravity with respect to global coordinate system	
horizontal position of cetre of gravity with respect to origin of coordinate system	x_T = 0,0 mm
vertical position of centre of gravity with respect to origin of coordinate system	y_T = 3,9 mm
Shear centre position with respect to global coordinate system	
horizontal position of shear centre with respect to origin of coordinate system	x_A = 0,0 mm
vertical position of shear centre with respect to origin of coordinate system	y_A = -2,2 mm
Cross-sectional characteristics	
cross-sectional area	A = 3875,0 mm^2
overall cross-section area (including gussets, shims and holes)	A_{total} = 20500,0 mm^2
cross-section perimeter	P = 1550,0 mm
cross-section perimeter	P_{out} = 1010,0 mm
distance of centroid from left edge of min. cross-section envelope	y_{cg} = 200,0 mm
distance of centroid from bottom edge of min. cross-section envelope	z_{cg} = 66,4 mm
moment of inertia w.r.t. horizontal centroidal axis	I_y = 7,288E+06 mm^4
moment of inertia w.r.t. vertical centroidal axis	I_z = 37,00E+06 mm^4
mixed moment of inertia w.r.t. centroidal axes	D_{yz} = 0,000E+00 mm^4
inclination of principal centroidal axes	ϕ = 0,0 °
radius of gyration normal to horizontal centroidal axis	i_y = 43,4 mm
radius of gyration normal to vertical centroidal axis	i_z = 97,7 mm
polar moment of inertia	I_p = 44,29E+06 mm^4
polar moment of inertia	i_p = 106,9 mm
Sectional parameters	
y-coordinate of shear center in centroidal coordinate system	y_{sc} = 0,0 mm
z-coordinate of shear center in centroidal coordinate system	z_{sc} = -6,1 mm
rigidity moment in simple torsion	I_k = 11,58E+06 mm^4
sectorial moment of inertia w.r.t. shear center	$I_{w.s}$ = 8,857E+09 mm^6
sectorial moment of inertia w.r.t. centroid	$I_{w.c}$ = 5,813E+09 mm^6

Calculated - characteristics, ellipse of inertia.