combined cross section: I 200 + concrete slab 66 mm

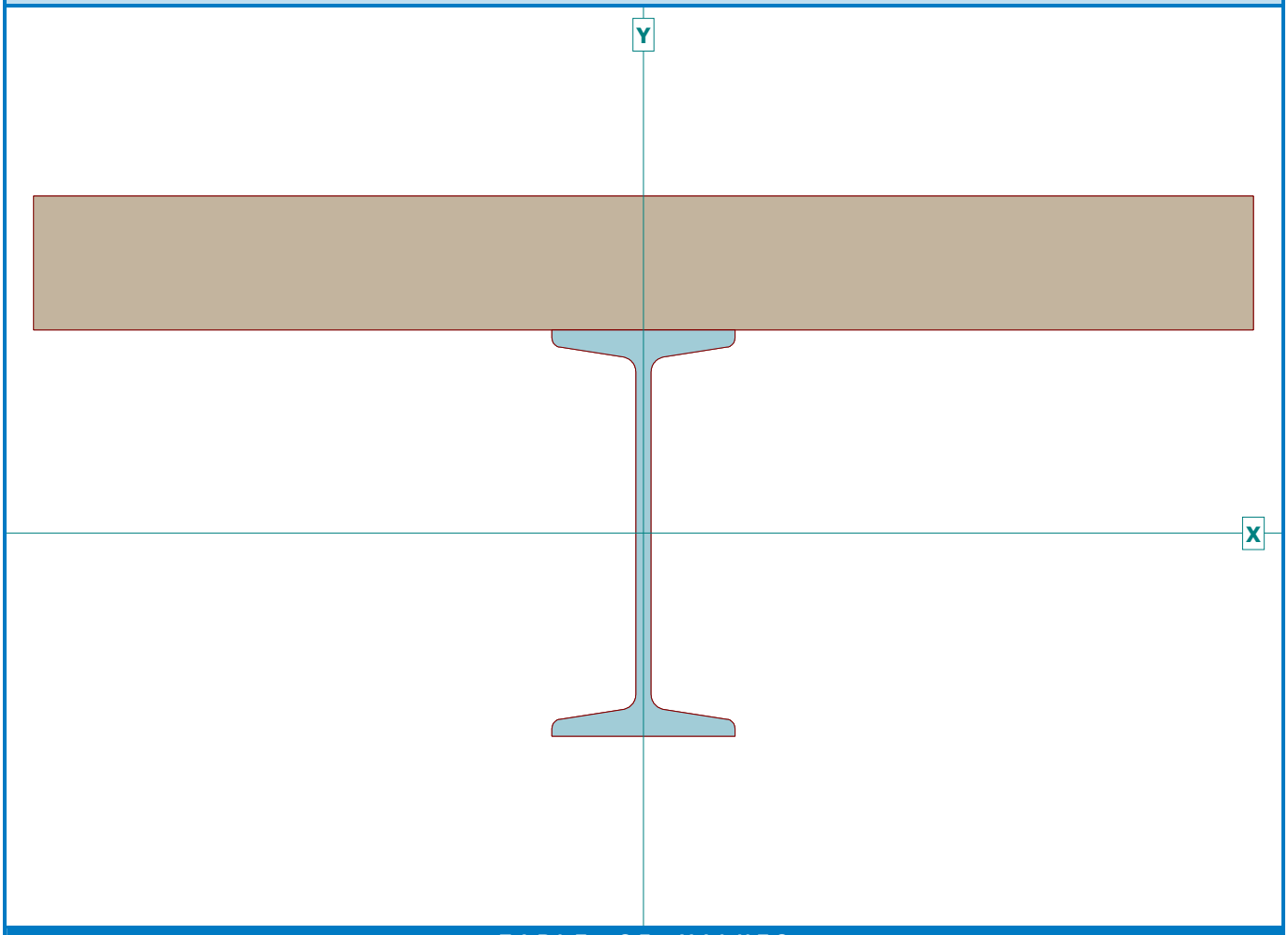

TABLE OF VALUES	
Ideal sectional characteristics calculated for material EN 10025 : Fe 430 - EC 3.	
Position of centre of gravity with respect to global coordinate system	
horizontal position of cetre of gravity with respect to origin of coordinate system	x = 0,0 mm
vertical position of centre of gravity with respect to origin of coordinate system	y = 88,3 mm
Cross-sectional characteristics	
cross-sectional area	A = 9940,0 mm^2
cross-section perimeter	P = 2039,1 mm
distance of centroid from left edge of min. cross-section envelope	y_{cg} = 300,0 mm
distance of centroid from bottom edge of min. cross-section envelope	z_{cg} = 188,3 mm
moment of inertia w.r.t. horizontal centroidal axis	I_y = 63,02E+06 mm^4
moment of inertia w.r.t. vertical centroidal axis	I_z = 199,2E+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 = 79,6 mm
radius of gyration normal to vertical centroidal axis	i_z = 141,5 mm
rigidity moment in simple torsion	I_k = 136,0E+03 mm^4
polar moment of inertia	I_p = 262,2E+06 mm^4
polar moment of inertia	i_p = 162,4 mm
cross-sectional modulus w.r.t. centroidal y-axis at upper edge of cross-section	W_{y1} = 811,2E+03 mm^3
cross-sectional modulus w.r.t. centroidal y-axis at bottom edge of cross-section	W_{y2} = -334,7E+03 mm^3
cross-sectional modulus w.r.t. centroidal z-axis at right edge of cross-section	W_{z1} = -663,9E+03 mm^3
cross-sectional modulus w.r.t. centroidal z-axis at left edge of cross-section	W_{z2} = 663,9E+03 mm^3

Calculated - characteristics, ellipse of inertia.