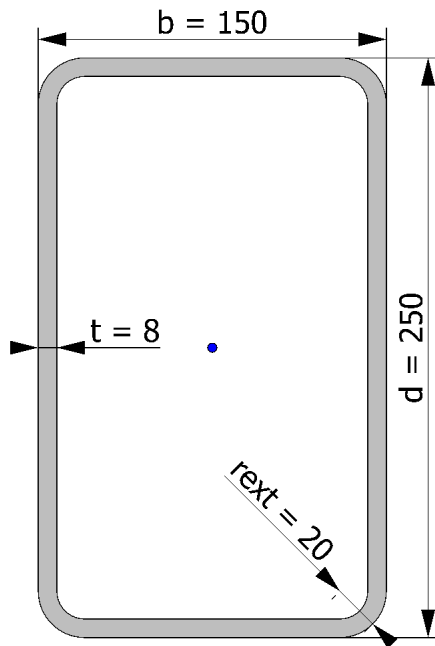




CLASS:	CF
GRADE:	450
MASS:	46.5 kg/m
fy:	450 MPa
fu:	500 MPa
Ag:	5924 mm ²
Ix:	48853472 mm ⁴
Iy:	22190450 mm ⁴
rx:	90.8 mm
ry:	61.2 mm
Zx:	390828 mm ³
Zy:	295873 mm ³
Sx:	482140 mm ³
Sy:	339536 mm ³
J:	50504492 mm ⁴
Iw:	0 mm ⁶
C:	503958 mm ³
λsx:	COMPACT
λsy:	NON-COMPACT

→ BENDING	[62.19%]	→ SHEAR	[18.51%]	→ AXIAL	[10.07%]
Mx*:	74.7 kNm	Vx*:	162 kN	N*:	217 kN (T)
Leb:	3850 mm	Vy*:	42 kN	φNs:	2282.58 kN
My*:	29 kNm	φVvx:	875.4 kN	φNty:	2399.22 kN
φMsx:	195.27 kNm	φVvy:	520.99 kN	φNtf:	2155.77 kN
φMbx:	195.27 kNm				
φMsy:	121.17 kNm	→ BEARING	[15.69%]	→ COMBINED	[72.25%]
Section Biaxial:	0.6219	R*:	134 kN	φMrx:	195.27 kNm
Member Biaxial:	0.6219	φRby:	854.29 kN	φMix:	175.49 kNm
		φRbb:	1216.83 kN	φMox:	195.27 kNm
→ TORSION	[14.29%]			φMry:	108.97 kNm
T*:	17.5 kNm			φMiy:	96.12 kNm
φT:	122.46 kNm			Section Biaxial:	0.7225
				Member Biaxial:	0.4172