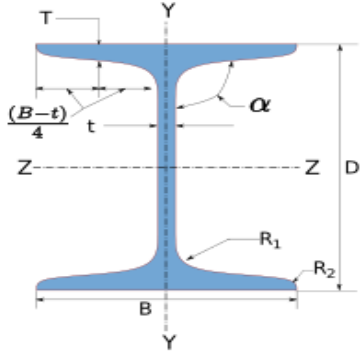


Company Name	LoremIpsum	Project Title	Fossee
Group/Team Name	LoremIpsum	Subtitle	
Designer	LoremIpsum	Job Number	123
Date	18 /05 /2020	Client	LoremIpsum

1 Input Parameters

Module		Column Coverplate Weld Connection		
MainModule		Moment Connection		
Moment(kNm)*		10.0		
Shear(kN)*		10.0		
Axial (kN) *		100.0		
Section				
	Column Section *		PBP 400X230.9	
	Material *		E 250 (Fe 410 W)A	
	Ultimate strength, fu (MPa)		410	
	Yield Strength , fy (MPa)		250	
	Mass	230.92	Iz(mm4)	702552000.0
	Area(mm2) - A	29420.0	Iy(mm4)	282018200.0
	D(mm)	372.0	rz(mm)	154.5
	B(mm)	402.0	ry(mm)	97.89999999999999
	t(mm)	26.0	Zz(mm3)	3777160.0
	T(mm)	26	Zy(mm3)	1403080.0
	FlangeSlope	90	Zpz(mm3)	4312250.0
	R1(mm)	1.5	Zpy(mm3)	1403080.0
	R2(mm)	0.0		
Weld Details				
Weld Type		Fillet		
Type of weld fabrication		Shop Weld		
Material grade overwrite (MPa) Fu		410.0		

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2 Design Checks

2.1 Weld Design Checks

Check	Required	Provided	Remarks
Min Weld Size (mm)	$\text{Thickness of Thicker part}$ $= \max(26, 18.0)$ $= 26$ <i>IS800 : 2007 cl.10.5.2.3 Table21,</i> $t_{w_{min}} = 6$	16	Pass
Max Weld Size (mm)	$\text{Thickness of Thinner part}$ $= \min(26, 18.0) = 18.0$ $t_{w_{max}} = 18.0$	16	Pass

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3 3D View



Figure 1: 3D View