

	Units	Value
Shape		W30x90
Fy (ksi)	ksi	50
ϕ		0.9
Design Moment	k-ft	845
Total Depth	in	29.5
Flange Width	in	10.4
Flange Thickness	in	0.61
Bolt Diameter	in	1.00
Flange Area w/ holes removed	in ²	5.04775
Web Thickness	in	0.47
Web Overall Depth	in	28.28
Web Depth participating (user defined)	in	10.00
Web Area	in ²	4.70
T Area (Flange + Web)	in ²	9.75
T Yield Force	kips	438.6
T Centroid from top	in	3.05
T Effective Depth	in	23.4
Beam Capacity	k-ft	855