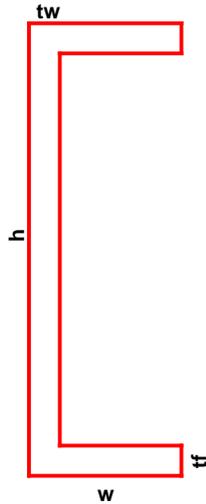


MC12X45



Name	MC12X45	
Weight	45.67	lb/ft
Height, h	12	in
Width, w	4.01	in
Web Thickness, tw	0.7	in
Flange Thickness, tf	0.71	in
Area, A	13.2	in <sup>2</sup>
Shear Area, SA2	8.52	in <sup>2</sup>
Shear Area, SA3	5.614	in <sup>2</sup>
Inertia, I22	15.8	in <sup>4</sup>
Inertia, I33	251	in <sup>4</sup>
Centroid, x0	1.04	in
Centroid, y0	6.0	in
Torsional, J	2.33	in <sup>4</sup>
Radius of Gyration, R2	1.094061	in
Radius of Gyration, R3	4.360637	in
Section Modulus, S2-Left	5.319865	in <sup>3</sup>
Section Modulus, S2-Right	15.19231	in <sup>3</sup>
Section Modulus, S3-Top	41.83333	in <sup>3</sup>
Section Modulus, S3-Bottom	41.83333	in <sup>3</sup>
Plastic Modulus, Z2	10.1	in <sup>3</sup>
Plastic Modulus, Z3	52	in <sup>3</sup>