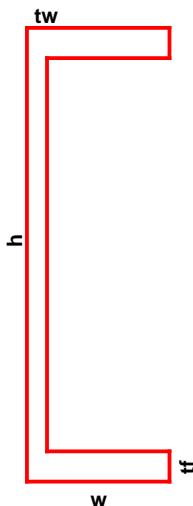


# MC12X35



Name	MC12X35	
Weight	35.63	lb/ft
Height, $h$	12	in
Width, $w$	3.77	in
Web Thickness, $tw$	0.7	in
Flange Thickness, $tf$	0.465	in
Area, $A$	10.3	in <sup>2</sup>
Shear Area, $SA_2$	5.58	in <sup>2</sup>
Shear Area, $SA_3$	5.278	in <sup>2</sup>
Inertia, $I_{22}$	12.6	in <sup>4</sup>
Interia, $I_{33}$	216	in <sup>4</sup>
Centroid, $x_0$	1.05	in
Centroid, $y_0$	6.0	in
Torsional, $J$	1.24	in <sup>4</sup>
Radius of Gyration, $R_2$	1.106029	in
Radius of Gyration, $R_3$	4.579397	in
Section Modulus, $S_2$ -Left	4.632353	in <sup>3</sup>
Section Modulus, $S_2$ -Right	12	in <sup>3</sup>
Section Modulus, $S_3$ -Top	36	in <sup>3</sup>
Section Modulus, $S_3$ -Bottom	36	in <sup>3</sup>
Plastic Modulus, $Z_2$	8.62	in <sup>3</sup>
Plastic Modulus, $Z_3$	43.2	in <sup>3</sup>