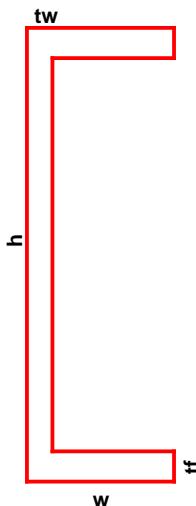


# MC12X40



Name	MC12X40	
Weight	40.82	lb/ft
Height, h	12	in
Width, w	3.89	in
Web Thickness, tw	0.7	in
Flange Thickness, tf	0.59	in
Area, A	11.8	in <sup>2</sup>
Shear Area, SA2	7.08	in <sup>2</sup>
Shear Area, SA3	5.446	in <sup>2</sup>
Inertia, I <sub>22</sub>	14.2	in <sup>4</sup>
Interia, I <sub>33</sub>	234	in <sup>4</sup>
Centroid, x <sub>0</sub>	1.04	in
Centroid, y <sub>0</sub>	6.0	in
Torsional, J	1.69	in <sup>4</sup>
Radius of Gyration, R <sub>2</sub>	1.096991	in
Radius of Gyration, R <sub>3</sub>	4.453146	in
Section Modulus, S <sub>2</sub> -Left	4.982456	in <sup>3</sup>
Section Modulus, S <sub>2</sub> -Right	13.65385	in <sup>3</sup>
Section Modulus, S <sub>3</sub> -Top	39	in <sup>3</sup>
Section Modulus, S <sub>3</sub> -Bottom	39	in <sup>3</sup>
Plastic Modulus, Z <sub>2</sub>	9.31	in <sup>3</sup>
Plastic Modulus, Z <sub>3</sub>	47.7	in <sup>3</sup>