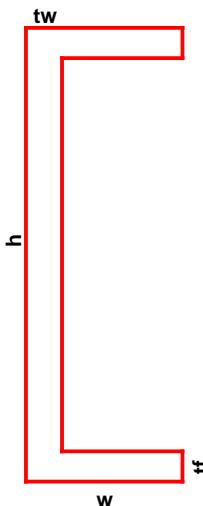


# MC12X50



Name	MC12X50	
Weight	50.86	lb/ft
Height, h	12	in
Width, w	4.14	in
Web Thickness, tw	0.7	in
Flange Thickness, tf	0.835	in
Area, A	14.7	in <sup>2</sup>
Shear Area, SA2	10.02	in <sup>2</sup>
Shear Area, SA3	5.796	in <sup>2</sup>
Inertia, I <sub>22</sub>	17.4	in <sup>4</sup>
Interia, I <sub>33</sub>	269	in <sup>4</sup>
Centroid, x <sub>0</sub>	1.05	in
Centroid, y <sub>0</sub>	6.0	in
Torsional, J	3.23	in <sup>4</sup>
Radius of Gyration, R <sub>2</sub>	1.087968	in
Radius of Gyration, R <sub>3</sub>	4.277771	in
Section Modulus, S <sub>2</sub> -Left	5.631068	in <sup>3</sup>
Section Modulus, S <sub>2</sub> -Right	16.57143	in <sup>3</sup>
Section Modulus, S <sub>3</sub> -Top	44.83333	in <sup>3</sup>
Section Modulus, S <sub>3</sub> -Bottom	44.83333	in <sup>3</sup>
Plastic Modulus, Z <sub>2</sub>	10.9	in <sup>3</sup>
Plastic Modulus, Z <sub>3</sub>	56.5	in <sup>3</sup>