

Tuff Span Structural Shapes





Enduro offers standard and custom shapes for challenging, structural and environmental conditions. Delivering long, maintenance-free service life, the structural sections are cost effective solutions for industrial buildings in corrosive environments.


The sections are manufactured by advanced pultrusion process that provides optimum strength and stiffness, consistent properties, close tolerances, and good surface finish. Enduro's pultrusion process produces consistent, reliable quality and glass fiber reinforcements up to 60% of the material weight.


The material's premium grade, isophthalic polyester or vinyl resin system provides outstanding corrosion protection and is fire retardant with a flame spread rating of 25 or less. The resulting combination of corrosion resistance, non-conductivity, and long span capability delivers significant end user benefits and life cost savings.


Tuff Span standard shapes include fiberglass reinforced plastic channel, angle, tube, wide flange, and flat plate. Enduro furnishes these materials as individual structural components and in assembled products.


Channel 	
Size (mm)	kg/m
50.8 x 25.4 x 4.8	0.55
76.2 x 25.4 x 4.8	1.01
101.6 x 34.9 x 4	1.12
101.6 x 28.6 x 6.4	1.68
120.6 x 82.6 x 6.4	3.07
152.4 x 41.3 x 4	1.62
152.4 x 41.3 x 6.4	2.53
152.4 x 41.3 x 7.9	3.13
152.4 x 50.8 x 4.8	2.28
174.6 x 136.5 x 6.4	4.58
203.2 x 44.4 x 7.9	3.72
254 x 69.9 x 9.5	6.35


Angle 	
Size (mm)	kg/m
50.8 x 50.8 x 6.4	1.03
76.2 x 76.2 x 6.4	1.55
76.2 x 76.2 x 9.5	2.28
101.6 x 101.6 x 9.5	3.11
152.4 x 152.4 x 9.5	4.99

Square Tube 	
Size (mm)	kg/m
41.3 x 41.3 x 3.2	0.83
50.8 x 50.8 x 6.4	2.08
76.2 x 76.2 x 6.4	3.27
101.6 x 101.6 x 6.4	4.84

Round Tube 	
Size (mm)	kg/m
60.3 x 6.4	2.16

Flat Sheet 	
Size	kg/m
914.4 x 3048 x 3.2 Thick	2.10
914.4 x 3048 x 4.8 Thick	2.54
914.4 x 3048 x 6.4 Thick	3.48
914.4 x 3048 x 9.5 Thick	4.99
914.4 x 3048 x 12.7 Thick	6.00

Flat Strip 	
Size (mm)	kg/m
117.5 x 6.4	1.12

Flanged Beam 	
Size (mm)	kg/m
152.4 x 152.4 x 9.5 Wide Flange	7.89