



AGW-1 RAIL

A-36 Carbon Steel Channel

4" x 1.72" x 0.32" (base x leg x thickness)

Dimension Name	Specification
Base	4
Legs	1.72" x 1.72"
Thickness	0.32
Max Length	240
Alloy	A36
Production Method	Hot Rolled
MTR Availability	Yes
Material	Carbon Steel
Shape	Channel
Custom Cut Warehouse	1

Weight/Lineal Foot

7.25 pounds

Please note that this data is to be used ONLY FOR REFERENCE, NOT FOR DESIGN, and by using it, you agree that any decisions you make regarding materials for your project are at your own discretion.



Mechanical Properties	
Property	Value
Machinability %	72
Elongation % in 2 in.	22
Yield Tensile Strength KSI	48
Electrical Conductivity % IACS	12
Brinell Hardness 3000 kg load	140
Ultimate Tensile Strength KSI	58
Density g/cm ³	8
Melting Point °F	2590 - 2670
Rockwell Hardness B Scale	77
Shear Strength KSI	44

Chemistry Information: A36 Carbon Steel

Element	Percentage
C	0.29 max
Cu	0.2
Fe	99
Mn	0.75
P	0.04 max
S	0.05 max