



Supplying the Strength Behind Every Build.

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Aluminum Round Tube

6063-T52 Grade Aluminum

Round Tube



6063-T52 aluminum is a heat-treated architectural alloy known for its smooth surface finish, excellent corrosion resistance, and superior extrudability. Alloyed primarily with magnesium and silicon, 6063 achieves its T52 temper through controlled cooling from an elevated temperature forming process followed by artificial aging, resulting in improved strength while maintaining excellent formability and appearance.

Recognized as one of the most widely used architectural aluminum alloys, 6063-T52 is ideal for applications requiring lightweight strength, precise extruded shapes, and an attractive finished surface. Its excellent response to anodizing and finishing processes makes it especially well suited for decorative and exposed applications.

Key Features:

- Excellent surface finish for architectural applications
- Very good corrosion resistance
- Excellent extrudability for complex and intricate profiles
- Good strength-to-weight ratio
- Good machinability for fabricated components
- Excellent weldability
- Excellent response to anodizing and decorative finishes
- Suitable for light structural and decorative designs

Typical Applications:

- Handrails and railing systems
- Decorative extrusions
- Sign frames and supports
- Furniture and display components
- Light structural framing
- Custom extruded shapes and profiles

Need Custom Cut Lengths?

We can cut your extrusions to your exact specifications. Simply request custom lengths when submitting your quote.

16' Long

Item Code	Dimensions in Inches (Size x Wall)	Estimated Wt/Ln. Ft.
24-70-109	1.250 x 0.125 (1.000 ID)	0.530

20' Long

Item Code	Dimensions in Inches (Size x Wall)	Estimated Wt/Ln. Ft.
24-70-110	1.250 x 0.125 (1.000 ID)	0.530
24-70-117	1.500 x 0.125 (1.250 ID)	0.648
24-70-127	2 x 0.125 (1.750 ID)	0.883

24' Long

Item Code	Dimensions in Inches (Size x Wall)	Estimated Wt/Ln. Ft.
24-70-100	0.7650 x 0.065 (0.620 ID)	0.172
24-70-124	2 x 0.125 (1.750 ID)	0.883
24-70-129	2.250 x 0.120 (2.000 ID)	0.964

30' Long

Item Code	Dimensions in Inches (Size x Wall)	Estimated Wt/Ln. Ft.
24-70-118	1.500 x 0.125 (1.250 ID)	0.648