

SPECIFICATION SHEET

Aluminum Ladder

First scrub the ladder with oil to promise the ladder clean and good look. Then top&bottom both with strong master carton protect the ladder. Then Shrink packing with strong 0.6mm thickness PE film. Finally fasten the ladder with PP strape,make ladder no broken and easy loading and unloading. Ladder fittings refer to accessories other than the main material (aluminum alloy profiles, or insulated FRP profiles). The fittings and main materials are essential materials for a complete ladder. Aluminum ladder accessories mainly include guide teeth, flat ribs, diagonal ribs, ladder feet, rivets, handles, wax flag ropes, ladder hats, heads, hinges. Ladder fittings also play an important role in the ladder. The quality of the fittings directly affects the quality of a finished ladder.

No	Alloy	Thickness	Width	Length
1	6063-T5	Customized	Customized	Customized

Chemical composition (%)

Standard: GB/T 3190-2008

Grade	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al
6063	0.20-0.6	0.35	0.10	0.10	0.45-0.9	0.10	-	0.10	0.10	Rest

Mechanical Properties

Standard: GB/T 3880.2-2006

Alloy	Alclad classify	Temper	Sample Temper	Dimensions mm e3	Tensile strength R _m /MPa	Yield strength R _{p0.2} /MPa	Elongation/%		Bending Radius ^{*1}
							A _{50mm}	A _{5.65}	
6063	-	T5	T5	≤25	175	130	8	-	
								-	
								-	
				≤3 3<e≤25	160	110	7	-	
			-						

*1 Coil samples bending 90°, t – thickness of coil

Physical Properties

Property	Value	Unit
Density(20°C)	2.72	g/cm ³
Melting Point	620-650	°C
Thermal Expansion	23.5	(10-6K-1)(20/100°C)
Specific heat capacity	899	J/(Kg.K)(0/100°C)
Modulus of Elasticity	70	GPa
Thermal Conductivity	205	W/(m. K) 20°C
Resistivity	32	nΩ .m

Formability
Very Good

Weldability
Good

Machinability
Very Good

Corrosion Resistance
Very Good

Specification

Features: Foldable
Ladder Rating: Type 1 - 250 lbs.
Ladder Type: Step Ladder
Load Weight Capacity (kg.): 80,100,120,130,150kg.
Working height: 95/3.11'-590/15.07'cm/ft
Closed height: 100/3.28'-600/18.00'cm/ft
Thickness: 0.8mm,1mm,1.2mm,1.5mm,2mm

Products



Packing

Shanghai Metal Products are packed and labeled according to the regulations and customer's requests. Great care is taken to avoid any damage which might be caused during storage or transportation. In addition, clear labels are tagged on the outside of the packages for easy identification of the product I. D. and quality information.

- 1) Shanghai Metal Standard
- 2) Customization

