

JIS

This standard was revised in 2, 1976

JAPANESE INDUSTRIAL STANDARD

Aluminium Alloy Wharf Ladders

JIS F 2613 — 1967

This English version does not give the numerical values in terms of SI units which, in the recently issued Japanese text, are given in braces after the values in customary units as a transitional step.

Reference to the original Japanese text is recommended if necessary.

Translated and Published

by

Japanese Standards Association

JAPANESE INDUSTRIAL STANDARD

J I S

Aluminium Alloy Wharf Ladders

F 2613-1967

1. Scope

This standard provides for aluminium alloy wharf ladders for ship use.

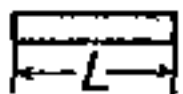
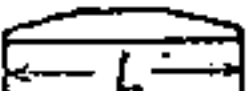
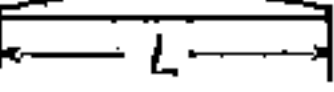
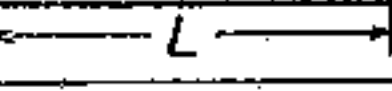
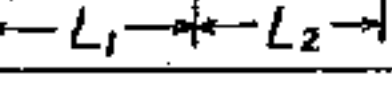
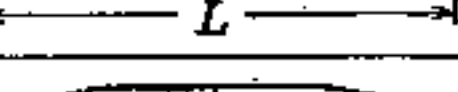
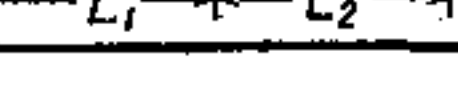
2. Classification

The ladder shall be classified into two types of A (one body) and B (joint) as given in Table 1.

Reference Standards:

- JIS B 0205-Metric Coarse Screw Threads
- JIS B 1117-Set Screws
- JIS B 1180-Hexagon Head Bolts
- JIS B 1181-Hexagon Nuts
- JIS B 1256-Plain Washers
- JIS B 1351-Split Pin
- JIS F 3905-Ships' Toggle Pins
- JIS F 3906-Ships' Chain Cord
- JIS F 3907-Ships' Chain Cord S Ring
- JIS F 3908-Ships' Chain Cord Eye Plate
- JIS G 3101-Rolled Steel for General Structure
- JIS G 3452-Carbon Steel Pipes for Ordinary Piping
- JIS G 3505-Mild Steel Wire Rods
- JIS G 4303-Stainless Steel Bars
- JIS G 4306-Hot Rolled Stainless Steel Strip
- JIS G 4308-Stainless Steel Wire Rod
- JIS H 3423-Brass Rod and Bar Suitable for Forging
- JIS H 4104-Anti-corrosion Aluminium Alloy Sheet and Plate (Rectangle)
- JIS H 4143-Anti-corrosion Aluminium Alloy Seamless Tube
- JIS H 4163-Anti-corrosion Aluminium Rod and Bar
- JIS H 4166-Anti-corrosion Aluminium Alloy Rivet Wire and Rod
- JIS H 4172-Anti-corrosion Aluminium Alloy Extruded Shape
- JIS H 5202-Aluminium Alloy Castings

Table 1

Class	Type	Dimensions (m)			Calculated weight (kg)
		L	L ₁	L ₂	
A 5		5	—	—	118
A 7.5		7.5	—	—	168
A 10		10	—	—	221
B 10		—	5	5	244
A 12.5		12.5	—	—	296
B 12.5		—	6.25	6.25	319
A 15		15	—	—	362
B 15		—	7.5	7.5	388

Remarks 1. The weight of handrail rope is excluded from the calculated weight.
2. The calculated weight gives that of the ladder in 600 mm breadth,

3. Material

The materials shall be as given in Table 2.

Table 2

No.	Parts	Material	Standard	No.	Parts	Material	Standard
1	Main structure	Principal member	A 2 S 2-F	23	Lower end roller	Roller	SGP
2		Lattice	A 2 S 2-F	24		Axle	Steel bar
3		Beam	A 2 S 2-F	25		Hexagon nut	Steel bar
4		Stay	A 2 S 2-F	26		Washer	SUS 27 HS
5		Cleat	A 2 S 2-F	27		Washer	Steel plate
6		Deck plate	A 2 P 1- $\frac{1}{2}$ H	28		Split pin	SWRM 3
7		Side plate	A 2 P 1- $\frac{1}{2}$ H	29	Joint fittings	Hinge	SS 41 P
8	Fittings	Stopper	A 2 S 2-F	30		Hexagon bolt Hexagon nut	SS 41 B
9		Butt eye	A 2 P 1-R	31		Washer	Steel plate
10		Bush	SUS 27 B	32		Hexagon bolt Hexagon nut	SUS 27 B
11		Set screw	SUS 27 WR	33		Side plate	A 2 P 1- $\frac{1}{2}$ H
12		Eye	A 2 B 1-F	34		Eye plate	SS 41 P
13		Ring	A 2 B 1-F	35		Base plate	SS 41 P
14	Handrail and socket	Handrail stanchion	A 2 T 1-F	36	Ladder holder	Ladder holder	SS 41 P
15		Eye	AC 7 A-F	37		Hexagon nut	BsBF
16		Eye	A 2 B 1-F	38		Hook bolt	SS 41 B
17		Pin	SUS 27 B	39		Toggle pin	Steel bar and brass bar
18		Filling bar	A 2 B 1-F	40		Eye plate for chain let	Steel wire
19		Socket	AC 7 A-F	41		Chain let	Brass wire
20				42		Chain let S ring	Brass wire
21	Lower end roller	Bracket	A 2 P 1-R				
22		Set screw	SUS 27 WR				

Remarks: 1. Rivets shall be in accordance with JIS H 4166, A 2 V 1.
2. For Materials A 2 P 1 and A 2 S 2 in Table 2 may respectively be substituted by A 2 P 7 and A 2 S 7 each.