



# Stairways

*Manufactured with bolt-together design for maximum strength and rigidity*

Bluff's engineering staff provides code-compliant solutions for all stairway needs including specific elevations, stairway lengths, and occupancy loads.

## Features and Benefits

- Constructed of structural steel stringers.
- Welded handrails and bolt on grip rails.
- Stringers secured with bolt-on diamond plate treads.
- Bolted components allow for economical shipping and ease of installation.
- All components powder coated (black treads and safety yellow stringers).

All of our stairways are easily integrated with landings, mezzanines, work platforms, conveyor crossovers, or towers.



Parameters	Ladder Type: Fixed Industrial		
	IBC	OSHA	Ship Ladder
Change in Elevation Limit	12 feet	12 feet	No Limit
Angle of Inclination Range	20° - 32°	30° - 50°	50° - 70°
Tread Width Minimum	36 inches*	22 inches	22 inches
Tread Type	Closed Riser, Floor Plate	Open Riser, Bar Grating	Open Riser, Bar Grating
Application	For use in ALL applications including the following: industrial factories (F), manufacturing facilities including those classified as high hazard (H), correctional centers (I-3) and storage that is not classified as hazardous occupancy (S).	For interior and exterior stairs around machinery, tanks, and other equipment, leading to and from floors, platforms, or pits for routine attention during operations. Does not apply for use as fire exit.	For areas where conventional industrial stairs cannot be installed due to limited space availability (only for occasional use applications).

\* This tread width is restricted to an occupant load of less than 50 persons. If greater than 50 persons, the tread width minimum is 44 inches and dependent upon occupant load. IBC 2009, Section 1009.1. Reference respective worksheets for more information. Renderings are representative only.



IBC Stair System



OSHA Stair System



Ship Ladder System