

Overview

Manufactured using the same components as its ladderspan counterpart, the Alto Heavy Duty Stair Tower is a fully accessible mobile access tower that uses traditional flights of stairs to gain access to the work platforms, rather than the vertical ladder design. The Alto HD Stair Tower is ideally suited for longer-term installs, or on jobs where the work platform needs to be accessed from the ground more frequently than normal.

The Alto HD Stair Tower is the only one of its kind on the market. With a total tower load up to 3000kg, plus the traditional sloping staircase integrated inside the tower means that access to the working platform is now easier and safer than a vertical ladder. The stair design gives a much more flexible working environment as tools & materials can now be carried up through the tower by the end-user instead of requiring winches, ropes or cranes.

Specification

TOWER STANDARD	BS EN 1004-1:2020 BS EN 1004-2:2021 BS 1139-6:2021
PLATFORM LENGTHS	1.8m long
TOWER WIDTHS	Double: 1.4m (2 platforms)
TOWER LOADING	2.5 tonne using castors, 3 tonne using base jacks
TUBE THICKNESS	3.0mm extruded aluminium 6082T6 tube
TUBE DIAMETER	48mm diameter tube (standard scaffold tube dia.)
JOINT TYPE	Full 360° TIG welded frame joint connections
FRAME FITTING	Conical "head fitting" aluminium casting
ADJ. LEG TYPE	Captive pin-locating adjustable legs



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Key Features

3mm Thick Wall Tube	Means wear & tear damage is dramatically reduced because it is 4 times more resistant to denting and crushing than the Lightweight alternatives.
Scaffold Tube Diameter	Makes adaptations and tying in very easy because you can use standard tube & fittings which you cannot with a lightweight system.
Inclined Staircase Access	A huge benefit in efficiency & safety for operatives carrying tools and materials up & down the tower.
Fully Welded Joints	Means fractured welds are a thing of the past and make the tower a much more rigid structure with joints 5 times stronger in tension and 13 times stronger in bending.
Conical Head Fittings	Prevents frames from jamming when dismantling towers so hammer damage is totally eliminated. Frames also lock together automatically during assembly.
Captive Adjustable Legs	Prevents frames from jamming when dismantling towers so hammer damage is totally eliminated. Frames also lock together automatically during assembly.
Superior Tower Loadings	2,500 kgs (2.5t) per mobile tower (3,000 kgs if using base jacks) compared to between 650 - 950 Kgs maximum for lightweight competitor products - reducing health & safety risks whilst increasing the range of applications available.
Fewer Components	Much better utilisation of components – less stock, less to transport.
BS 1139-6 Capability	The Alto HD system has the capability to allow creation of complex structures using standard components. The fundamental strength of the product allows meaningful working loads for practicable use in complex structures.

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