

ALTO Heavy Duty Ladderspan Tower

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Overview

The Alto HD Ladderspan Tower is the ultimate industrial aluminium mobile access tower on the market today. The most robust form of non-powered mobile access equipment available, the Alto Heavy Duty Tower range has led the way since its original creation nearly 40 years ago. Designed by a team of scaffolding engineers and sold into the hire industry, the Alto HD Tower range is the pinnacle of safe, strong, sturdy working-at-height access.

When the Alto HD Ladderspan Tower was first designed, the concept was simple - to create the best possible product to keep a person working at height, safe. Every aspect of the tower was carefully considered and designed to ensure the Alto HD Tower would be strong enough to cope with the demands of everyday life on a construction site. The unique design characteristics found on the Alto products mean that for almost 40 years, they have been the best-in-class and outperform all competitor products.

Specification

TOWER STANDARD	BS EN 1004-1:2020 BS EN 1004-2:2021 BS 1139-6:2021
PLATFORM LENGTHS	1.8m & 2.7m long
TOWER WIDTHS	Single: 0.8m (1 platform) 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.
- 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.