

Scissor lift tables and lifting platforms from PowerLifts are individually manufactured for every customer and to their specific needs. The scissor lift tables are made from high quality parts for example Bosch Rexroth Oil-Sistem electro-hydraulic power packs, Ina type crown head arm roller bearings. PowerLift scissor lift tables are usually designed to be in compliance with the European Union's Machinery Directive and CE marked to EN1570 Safety requirements for Lifting tables.

As well as designing and manufacturing custom made, bespoke scissor lift units with lifting capacities in excess of 60 tonnes, Power-Lifts has a large range of over 200 standard models of scissor lift tables and lifting platforms in the half to 6 tonnes range. Power-Lifts have supplied over 20,000 scissor lift tables across the World in the last 35 years.

Power-Lifts produce scissor lift tables in painted or hot dip galvanised carbon steel, 304 or 316 stainless steel and can also assist in meeting most ATEX (explosive atmosphere) requirements.

Because of Powerlift's long established track record in providing premium quality engineered lifting platform solutions the company is often the supplier of choice into the off-shore, nuclear, automotive and manufacturing industries. Power-Lifts provides loading bay dock lifts, vehicle loading scissor lift tables with up to 40 tonnes gross weight capacity.

Power-Lifts scissor lift tables are designed to lift large weights through relatively short distances (typically upto 4 metres). Power Lift scissor lift tables are not generally considered as MEWPs (Mobile Elevating Work Platforms) – these lift light weights (2 or 3 personnel through high distances upto 15 metres) for maintenance purposes.

There are various scissor combinations available. The single scissor type lift table, the double horizontal scissor lift table, the double and multi-stage scissor lift table and the low closed scissor lift table. Usually scissor lift tables are fixed on to the floor or set in to a pit so that the platform is flush with the floor for easy access and to avoid trip hazards.

Single scissor style lift tables would normally be between 1 and 6 metres long and give a stroke / change in height of approximately 60% of the platform length. For example a 3m. long scissor lift table would lift a load through 1,800mm.. Power Lifts also provide low closed scissor lifts sometimes called pit free lift tables.

Double Horizontal scissor lift tables would normally be between 2 and 10 metres long and give a stroke / change in height of about 30% of the platform length. For example a 5m. long double horizontal scissor lift table will lift a load through 1,500mm..

Multi stage lifts can vary from double vertical scissor lift tables with platforms from 600mm to 4 metres. A double vertical scissor 3m. long would give a stroke of about 3,500mm.. A 3m. long triple vertical would give a stroke of about 5,500mm. and a quadruple vertical (4 scissor sets above each other) would give a change in height of about 7 metres. Frequently multi stage scissor lift tables require guides and to be installed within an enclosure or lift shaft.

Unless otherwise agreed it is usually accepted that scissor lift tables are to have their safe working load evenly loaded over the whole of the platform, otherwise explained as a Uniformly Distributed Load (UDL).

Power-Lift scissor lift tables usually incorporate the following main safety features:

Minimum clearances between moving and fixed and moving parts to reduce the risks of crushing and shearing, especially between the scissor arms / legs and base frames.

A perimeter safety frame trip device to stop further lowering if the device encounters an obstruction.

A mechanical blocking device to support the lift in a semi raised position during cleaning and maintenance.

Depending upon the design and situation there are other safety related features often included. For example anti- burst valves within the cylinders to prevent uncontrolled platform descent in the unlikely event of a hose failure. Steel mesh curtains and pvc bellows guards to en case the lift's mechanism.