

NIHVA

We
Make
Possible

Scissor Lift

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NIHVA

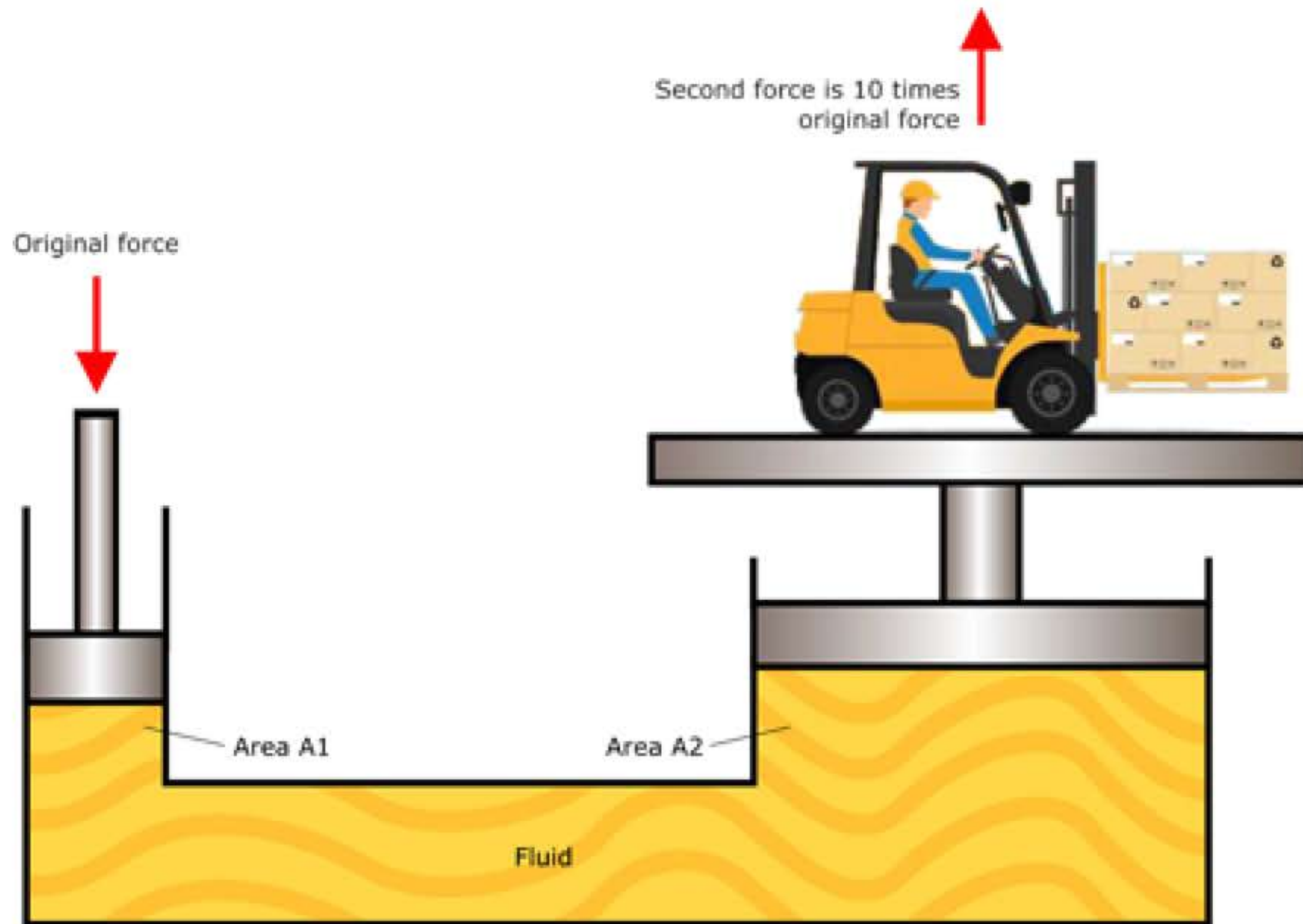
NIHVA Technologies Private Limited

Established in 2012 in Pune (Maharashtra, India), we "NIHVA Technologies Pvt. Ltd." are the prominent manufacturer, importer, exporter of a comprehensive assortment of Hangar Door, Material Handling Equipments, Rolling Shutter, Sliding Roof and much more. The offered products are highly appreciated among our customers for their attributes like eye-catching design, waterproof, easy to maintain, long lasting, moisture resistance and easy to use. Further, our offered product is checked on well-set parameters of quality in order to provide a perfect range at the clients' end. we also service provider of Door Installation Service.

Future Industries offers a wide range of Lift Tables in advanced features to cater to vast requirements of clients. The NIHVA Lift Table provided by us is safe & efficient and ways to endless Material Handling Applications at Distribution Centre, Logistics Companies, Industries etc. Our Lift Tables are popular in the market because we don't compromise on the quality and always endeavor to meet International Standards by stringent quality checking and using State-of-the-art Technologies in the manufacturing process.



Pascal's principle



The concept of a scissor lift with hydraulic power comes from Pascal's law applied in car jacks and hydraulic rams which states that "pressure exerted anywhere in a conformed incompressible fluid is transmitted equally in all directions throughout the fluid such that the pressure ratio remains the same" (Hydraulics online 2013).



The scissor lift is an elevator with a system of levers and hydraulic cylinders on which the metal platform is capable of moving in the vertical direction. This is achieved by using of linked, folding supports in a crisscross pattern, called scissor mechanism.

Scissors lift is an integral part of most of the workshops and building objects. The key advantage of lifts is that they even offer the best way to organise a technological and industrial process. Besides, almost all lifts give the possibility to change the place of their installation without much effort, which is important in the frequently changing conditions in the production process these days.

The scissor lift has a table surface where the weight can be placed. The rising of a platform is carried out due to work of a hydraulic cylinder. The management of the Lift is carried out by the control panel which has four buttons: the main switch, platform Up, Down, and emergency switch.

As rising speed uniform and slow (on average 30 mm per second).

The design of scissor lifts can be divided into two main types:

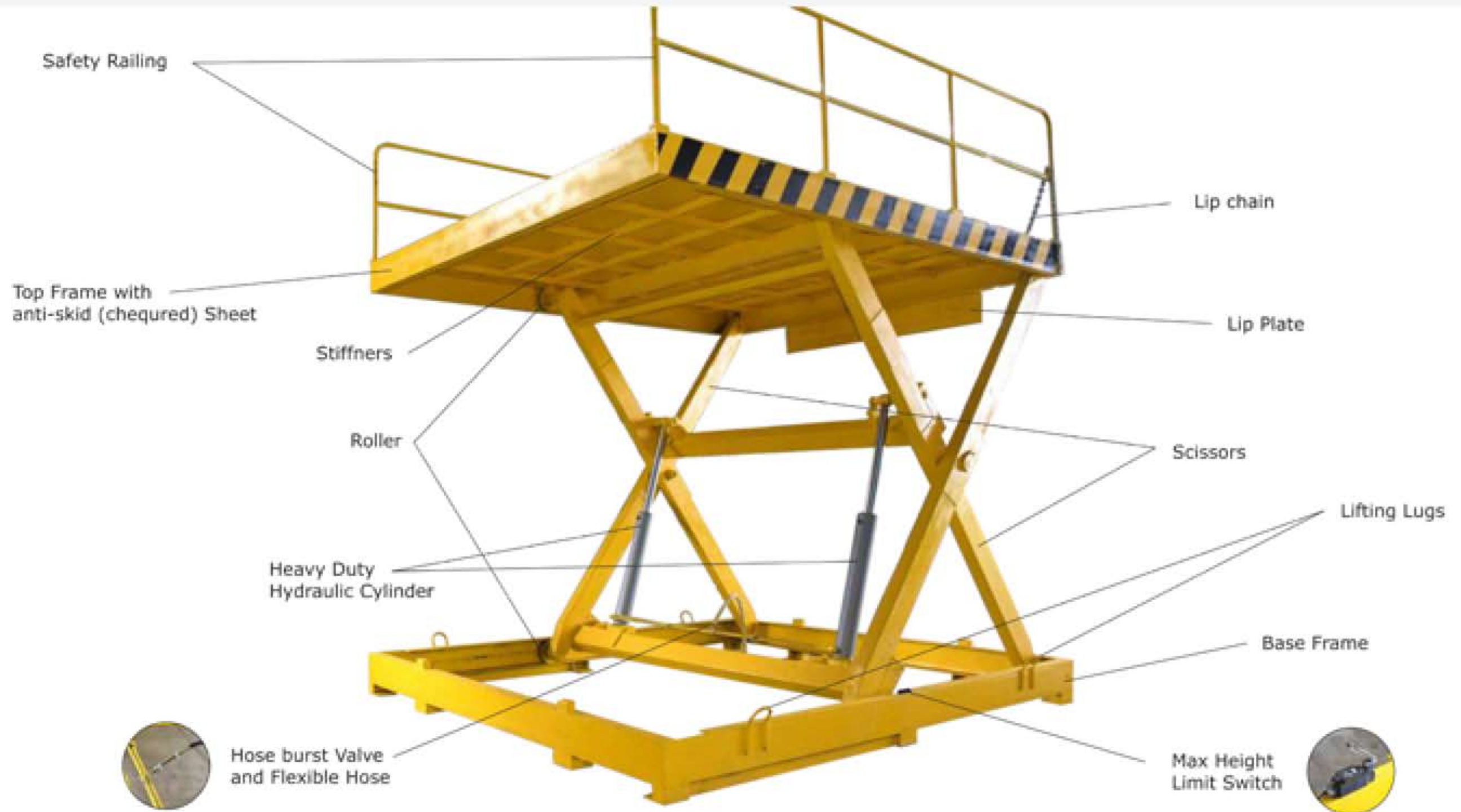
1. Permanent (PIT MOUNTED OR FLOOR MOUNTED): The permanent scissor lifts are: scissor raise platforms, track lifting platform, loading and unloading platforms.



2. Portable (MOBILE): The portable scissor lifts divided into: several mobile lifting platforms, a couple of tractor-lift platforms, AC-DC dual-use working out with a platform, lightweight aluminium & Stainless-steel lift platform, working out with height from 1-10m. As the scissor lift divided into: electro-hydraulic & manual-hydraulic.



Scissor Lift







Hydraulic Accessories



Pilot Operated Check Valves

Function of Pilot Operated Check Valves: Designed for use in applications requiring an actuator to be locked in position, Pilot Operated Check Valves allow free flow from the input port through the output port. Supplying a pilot pressure to the valve allows flow in the opposite direction.



Hose burst valve

The hose burst valve is a flow operated flat seat valve.

Therefore, it prevents uncontrolled movement in the consumer in the event of a hose burst.

The hose burst valve is open in the normal position and allows flow in both directions. If there is an excess of the pre-set actuating flow rate as a result of a hose burst, for example, the valve quickly closes and blocks the flow from port 1 to port 2.



Oil return line filter

Return Line Filter for cleaning the oil going through the filters.

The return line filters have reliably remove the contamination from the operating fluid. Following this filtration, the fluid flows back into the tank

Electrical Accessories



Over load relay

A relay that opens a circuit when the load in the circuit exceeds a preset value, in order to provide over load protection; usually responds to excessive current, but may respond to excessive values of power, temperature, or other quantities. Also known as overload release.



M.C.B.

A miniature circuit breaker (MCB) automatically switches off electrical circuit during an abnormal condition of the network means in overload condition as well as faulty condition. Handling an MCB is electrically safer than a fuse.



Loto - Switch

A lockout device is a key or combination lock with a special tag with a worker's name. The lock must be attached to an isolating device, circuit breaker, and/or switch to prevent turning on the energy source or equipment or releasing energy.

Mechanical Accessories



Safety fabric bellows

Bellows are used to cover criss-cross portion of scissor lift in operating condition to prohibit manual interference under the working platform.