



Hydraulic Scissor Lift

A **scissor lift** is a mechanical lifting platform used to provide temporary access for people and equipment's to an elevated inaccessible area. The device achieves vertical movement through the use of linked folding supports arranged in a crisscross or scissors-like pattern. In case of Hydraulic lifts when moving upward, pressurized oil is supplied to hydraulic cylinders provided in the system from the powerpack using a pushbutton pendant causing the structure to elongate and let the top platform move vertically at a controlled speed up to any defined height with heavy loads, equipment or service teams placed on the platform. Conversely, for downward movement, oil pressure is released from the hydraulic cylinders, the most common application of this lift is in ware house, workshops, car parking at elevated place and building maintenance. We have designed scissor lifts with platform size upto 6mx3m, payload capacity up to 3ton with an average lifting speed of 100mm/s

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Types of Hydraulic Scissor lift

- Construction: Single stage, double stage and multi stage
- Mounting: Fixed location (pit mounted and floor mounted) and mobile type

Major Components

- Scissor Structure
- Hydraulic Cylinder
- Hydraulic Power pack
- Control Panel

Safety Features

- Platform locking Provision at any position
- Platform fencing with railings
- Checked plate at Top platform to avoid skidding
- Mechanical locking for maintenance purpose
- Limit switch provision for defining level of platform
- Provision of rupture valve with cylinder
- Indicator for overloading
- Beep alarm for while lift is operation

Quality

- System is design as per IS norms
- Design Certified by a Chartered Engineer
- All the bought-out components are of reputed OEM.
- All fitting and fasteners to be as per ISO standard
- All the sealing components of hydraulic cylinders to from international brand

Maintenance

- System needs low maintenance activity
- Only the hydraulic oil filters to be change in recommended periods
- Service and maintains manual will be provided for in house maintenance
- Operation and maintenance training for two days provided by our experts

Our Service

- Design and Drawing of the complete product for the manufacturing purpose
- Complete manufactured unit for user interested in turnkey project

Warranty

- For Design and Drawing manufacturing support for six month
- For system supplied by us will bear warranty for 1 year for fabrication and material defects

Specification required from customer for the Quotation

- Platform size: length(m) x width(m)
- Payload (UDL): in kg/ tons
- Construction & mounting style
- Maximum lift height: in meter
- Average lifting speed: in mm/s
- Application: ware house/ workshop/ maintenance/others

**Note: Material of construction for fabrication would be MS in general or maybe SS on demand*