

Model LSA02

Section 19

Travel 25"



A descendant of the LSA01, the LSA02 Air Scissor Lift Table is a two scissor system powered by Herkules-patented air bag technology and employs a direct, one-to-one lifting ratio. Providing a low 4" profile, the LSA02 can lift up to 6000 lbs. to a raised height of 29", with 25" travel. Featuring a 36" x 47" platform, the lift can be raised in 8 to 12 seconds, and lowered in 8 to 12 seconds with standard equipment.

A powerful pneumatic lift table system, the LSA02 is regularly used in conveyor systems for high speed lifting applications. It also works well in high-speed low-volume robotic applications.

Standard Features

- **100% air operated** for low maintenance, ease of use, and work environment safety
- **Low profile** accommodates a wide range of worker heights and applications
- **Modular design** is easily customizable to application specifications
- **High-strength steel, welded construction** built to safety factors required by customer application and in compliance with ANSI MH29.1-1994
- **High capacity lifting** up to 57,000 lbs (25,855 kg)
- **Variable duty cycles** from low to high for cost flexibility to fit each application
- **Self-lubricating PTFE overlay** on bearings at all pivot points for high loads and long life
- **Captured wheel guides** to prevent top and bottom lift platforms from tipping
- **Stackable lift modules** for added lift travel
- **Patented direct one-to-one lift ratio** in which the air bag supplies all of the lifting power, resulting in less stress on the scissors and increased lift longevity
- **Virtually maintenance-free** for low-cost operation and minimal downtime
- **Safety pressure release** helps prevent the air bag from overinflating
- **Enamel-based acrylic paint** applied to all surfaces after being cleaned and primed
- **Clean and green technology** for a cleaner and safer work environment

Options

- **Lockout valve and filter regulator** enhances performance of the air supply
- **Piloted internal valves with check valves** prevent undesired lift descent
- **Portability kits** allows lift system to be moved with ease
- **High speed capability** with a full cycle in under 10 seconds
- **Safety skirting** to protect from pinch points and debris

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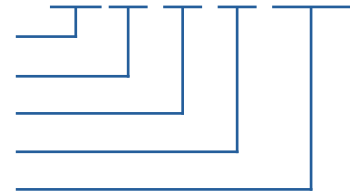
Travel 25"



Nomenclature

Product Type: Lift Scissor Air
Lift Style: 02
Capacity: 60 = 6000 lbs
Raised Height: 29"
Platform Size: 36" width x 47" length

Model LSA 02-60-29-3647



| Travel in | Model | Capacity lbs | Lowered Height in | Travel in | Raised Height in | Platform Size ⁵ | | Base Size ⁵ in x in | Ship Weight ¹ lbs |
|--------------|------------------|-----------------|-------------------------|--------------|------------------------|----------------------------|--------------|--------------------------------------|------------------------------------|
| | | | | | | Width in | Length in | | |
| 25 | LSA02-10-29-3647 | 1000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |
| 25 | LSA02-20-29-3647 | 2000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |
| 25 | LSA02-30-29-3647 | 3000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |
| 25 | LSA02-40-29-3647 | 4000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |
| 25 | LSA02-50-29-3647 | 5000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |
| 25 | LSA02-60-29-3647 | 6000 | 4 | 25 | 29 | 36 - xx | 47 - xx | 36 x 47 | 720 |

Values rounded to the nearest 1", see drawing for actual dimensions.

Notes

- 1 Ship weights are estimated and do not include oversize platforms or options
- 2 Maximum air bag pressure is 50 psi or 100 psi depending on air bag type
- 3 Recommended air line feed pressure is 70 psi to 100 psi
- 4 Air consumption is 5 cubic feet per minute (cfm) on average based on cycle rate
See the EnKon Systems website for how to calculate cfm for your application
URL: <http://enkon.pro/blog/calculating-cfm-and-scfm-for-pneumatic-scissor-lift-tables/>
- 5 Width and length dimensions reference the main structure of the lift system and do not include structures such as floor tabs, bolt heads, etc. See drawing for actual dimensions
- 6 Surface finishes are either powder coat or low-VOC quick-dry two-stage spray-on primer coat and hard enamel top coat
- 7 Lifts must be center loaded when at full capacity
- 8 Side and end load capacities are derated 2% per inch of increase top plate size from base size
- 9 Safety bellow skirting option must be purchased to meet ANSI and OSHA standards