SCISSORS LIFT TABLE

DESCRIPTION

• Scissors Lift Tables elevate, lower, position and transport a wide variety of loads, preventing repetitive stress injuries for workers and increasing productivity.

• Photo sensor-managed optional lift controls can continuously adjust table to keep consistent, ergonomically-correct height for manual loading and unloading.

• Lift tables can be operated manually or integrated into an automatic conveyor system. A control console is provided for safety functions, manual operation and selection of automatic modes of operation.

• Lift bases provided by Southworth Products Corp., widely acknowledged as the leading maker of hydraulic lifts. Southworth machines are rugged and reliable and are designed for years of trouble-free service.

FEATURES

• Fully adjustable lowering speed for operator safety and comfort

• Contoured Legs combine rigidity, decreased deflection and no welded blocks while allowing a lower collapsed height without the need for a pit in many cases

• Safety Check Valves near the cylinder prevent sudden, unexpected platform collapse in the unlikely event of a hydraulic system failure

• Lubricated-for-Life Bearings and Wear-Indicating Rollers on base for easy maintenance

• Huge assortment of sizes, load capacities, elevation and collapsed heights ensures complete integration with adjacent devices

• Normal cylinder weepage directed to reservoir—not to the floor as on Presto Lifts

• Full-width pivot pins promote straighter tracking of the legs throughout the travel—vital for eccentric loads
SCISSORS LIFT TABLE

The Tandem Lift's dual mechanisms operate in unison to provide smooth, even lift operation for extra-long loads. An additional cross-brace is added to tandem lifts to increase rigidity and balance.

External hydraulic power units include a reservoir where fluid from the hoses drain. Hydraulic units are the preference for more heavy-duty applications. Fail-safe features on hydraulic system include safety check valves which prevent sudden accidental platform collapse.

Lift table versatility is evidenced by the wide variety of platform configurations, which can include Chain Transfer, Belt Transfer, Chain Driven Live Rollers, Stedi Stak, and Powered Live Rollers.

ADDITIONAL FEATURES

- Generous 3:1 strength factor on all structural elements.
- Aircraft-quality, wire-reinforced, high-pressure hose is rated at least three times the actual operating pressure.
- Roll retainers on legs and platform prevent oversize platform from “tipping up.”
- Full-width straight through axles increases overall stability and tracking through the vertical travel range.
- Designed and built to ANSI MH29.1: The standard that covers the safety requirements for industrial scissors lifts.
- UL Listed electrical components meet National Electrical Code (NEC) requirements.

ADVANTAGES OF HIGH CYCLE LIFTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Standard Lift</th>
<th>Optional High Cycle Lift</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder Rod Diameter (typical)</td>
<td>1(\frac{1}{2})&quot; ((38 \text{ mm}))</td>
<td>Oversized to 1(\frac{3}{4})&quot; ((44 \text{ mm}))</td>
</tr>
<tr>
<td>Center Pivot Pin/Bushings and Retention</td>
<td>Stress-Proof Pin DU Style Bushings and Welded Washers</td>
<td>Regreasable Stress-Proof Pin/Fiberglass Style Bushings and Both Shaft Collars and Snap Rings</td>
</tr>
<tr>
<td>Cylinder Clevis Pin/Bushings and Retention</td>
<td>Stress-Proof Pin DU Style Bushings and Keepers</td>
<td>Regreasable Stress-Proof Pin/Fiberglass Style Bushings and Keepers</td>
</tr>
<tr>
<td>Upper and Lower Hinge Pin/Bushings and Retention</td>
<td>Stress-Proof Pins DU Style Bushings and Cotter Pins</td>
<td>Regreasable Stress-Proof Pins/Fiberglass Style Bushings and Cotter Pins</td>
</tr>
<tr>
<td>Rollers and Bushings</td>
<td>Steel with DU Style Bushings</td>
<td>Regreasable Needle Bearing Cam Followers</td>
</tr>
<tr>
<td>Rollers Wear Strips</td>
<td>None</td>
<td>Welded cold-rolled steel</td>
</tr>
<tr>
<td>Cycle Capacity Before Major Overhaul †</td>
<td>50,000</td>
<td>200,000</td>
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</tbody>
</table>

† One cycle is calculated as one full up and down with no jogs and a uniform 80% rated load.