

ED -S20 5025-6T - Ferro Tiger, Dock Up Scissor Lift



TECHNICAL SPECIFICATIONS	
Number of Scissors Arms	One
Max Capacity of lift table	6000 Kgs
Load to Raise/Lower	6000 Kgs
Top Platform size	5000 mm x 2500 mm
Max height from base frame	2800 mm
Closed height	800 mm
Stroke / Travelling lift	2000 mm
Motor	7.5 HP - 3 Phase 415 V AC 50 Hz.
Power Source	3 PH, 415V + Neutral
Control Voltage	24 V DC (For Safety)
Control type	Push Button
Top Platform base sheet	8 mm thick MS Chequered Sheet
Power Pack Position	Outside of Scissor lift
Movement / Location	Stationary – Pit Mounted
Equipment Color	RAL 5017 Traffic Blue

OPERATIONAL SPECIFICATIONS	
Lifting time / Speed	50 sec approximate @ 40 mm/sec
Lowering time / Speed	50 sec approximate @ 40 mm/sec
Cycle Time	Customer to specify
Frequency of Operations per hour	Customer to specify
Duty Cycle – No. of Shifts	Customer to specify
Motor Running Type	Non-Continuous
Circuit Type – for raising and lowering	Inching
Stopping Accuracy	+/- 5 mm
Site temperature Max & Min	N/A
Humidity	N/A

ADDITIONAL STANDARD ACCESSORIES	
<ul style="list-style-type: none"> • Guard Rail of 1100 mm Height with 100 mm Toe Guard on Two Sides of Top Platform (5000 mm Side) • Push Button Control will be provided on the Guard Rail. • Toe Trap Prevention Device on all sides of top platform for the safety of operator while loading and unloading. • Provided with Manually operated Lip for easy loading and unloading. 	

TECHNICAL DESCRIPTION

Base Frame & Top Frame:

- The base frame is a robust construction made from C-channels, angles and rectangular tubes.
- The heavy-duty top platform remains distortion free even with a non-uniform load.
- Top platform will be covered with 8 mm thick M.S chequered Sheet.

Scissor Arms:

- The heavy section scissor arms are connected by torsion tubes, a prerequisite for best possible synchronization and exact parallelism.
- Scissor arm pivot pins are made from EN 8 Material and are hardened and have large bronze bushes for proper load distribution.

Hydraulic Cylinders:

- Hydraulic cylinders have been designed and tested for long life and are fitted with self-aligning maintenance free spherical bearing for perfect alignment.
- Pistons are made from EN 8 rod with hard chrome plating to ensure a long life.
- Cylinders are fitted between moving ends of scissor arm giving greater structural rigidity & ability to withstand offset load.

Hydraulic Power Pack:

- The hydraulic power packs consist of a motor, gear pump and hydraulic valves from reputed brands & manufacturers, giving many years of trouble free & maintenance free operation.
- Power pack Motor runs on 440V 3Ph 50 Hz + neutral power supply.
- Direction control Solenoid valve will be used for lowering the Scissor Lift.
- Flow control valve has been provided to control speed of decent.
- Hydraulic suction oil filter, oil level gauge are standard in all power packs.
- **Note: Puppet cartridge valve will be used to ensure minimum leakage in hydraulic system. (Lift may come down by 50mm to 75mm over 24Hr period from full raised position as inherently a hydraulic system cannot be 100% zero leakage.)**

Safety:

The **FERRO TIGER** scissor lifts comply with **EN1570** requirements & is high on safety features equipped with overload protection valve, hose burst valve, mechanical locks for maintenance. High visibility safety decals are applied on the equipment.

Standard Safety Features:

- Non-Return Valve will freeze the top Platform instantaneously in case of electric power supply failure.
- Pressure relief / overload sensing valve will not allow overloading of the equipment beyond its rated capacity while lifting only.
- High Pressure flexible hose assembly is double wire braided and rated for 350 Bar.
- Manually operated lowering valve arrangements will be provided on bottom hydraulic command for lowering down of top platform in case of power failure.
- Mechanical locks will be provided for maintenance.
- Four lifting hooks will be provided on the base frame.

Finish:

- The scissor lift structure cleaned, de-greased & primed with two coats of primer.
- Main structure is painted RAL 5017 and top platform is painted with orange and black stripes for protection against the elements.



Acceptance Criteria & Delivery Tests:

- The Scissor Lift is tested with 10% overload. We check measurement accuracy and operating features in accordance with a detailed schedule and issue an individual test certificate.
- One copy of Instruction & Maintenance manual will be supplied along with the equipment.

COMMERCIAL TERMS & CONDITIONS

Inspection

- Inspection to be carried out by your Engineers at our works before dispatch.

Warranty

Ferro Foundries gives warranty for perfect working of the equipment & any manufacturing defects.

- One year on structural components and Hydraulic Power Pack.

Note:

- Warranty will start from 30 days after invoice date or date of commissioning whichever is earlier.
- This warranty is valid for a normal 8 hours per shift per day operational usage of the equipment. Any excess to this usage proportionately reduces period of subject warranty.
- Parts replaced or repaired during the warranty period are also warranted to be free from defects. However, the warranty for these parts is valid for only the remaining period of warranty of the original product.
- The scope of the warranty, however, does not include items subject to normal wear and tear conditions, like seals, axles, rollers, bearings, valves, switches, wheels, consumables like hydraulic oil etc., and all rubber and electrical items including beeper and electric switches.

Warranty stands VOID for all or any of the following incidents:

- Warranty will not be applicable on electrical components and if the equipment has been abused, misused, tampered, loaded beyond its rated load, negligence on part of user, accidental damage in service or harmful tinkering by anyone without sufficient knowledge, experience or training.
- Equipment as whole or in part is modified or altered in any manner, either temporarily or permanently, under any circumstances without written permission of the manufacturer.
- Damages or repairs or replacements necessitated due to negligence, misuse, overloading, or willful damage to equipment or damage due to force majeure circumstances.

Note: Equipment are checked, tested and approved under ideal testing conditions and not under all possible conditions. Actual performance of the product may vary from tested conditions.

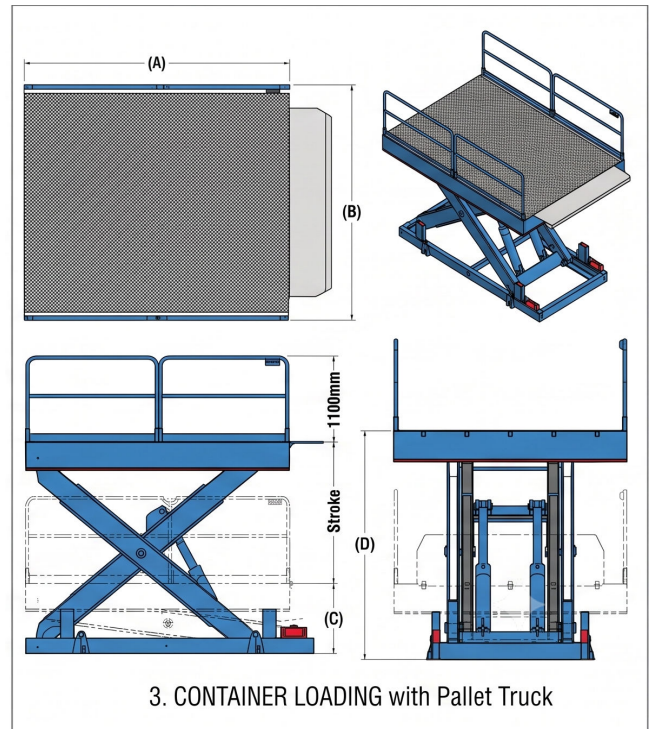
Lead Time

- **12 - 14 weeks** from the date of receipt of your confirmed order and clarification of all technical and commercial detail and drawing approvals, subject to force majeure clause and circumstances beyond our control.

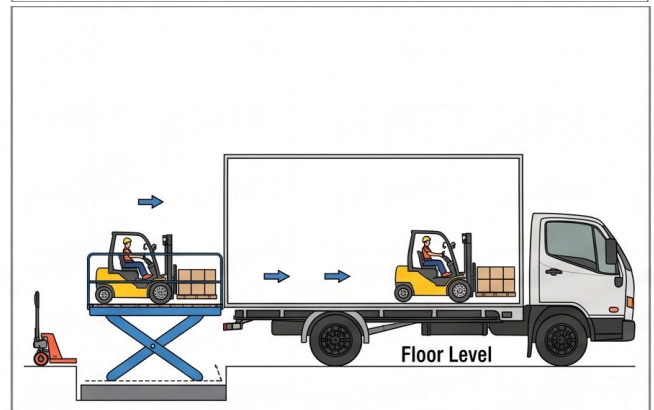
Exclusions

- Installation of equipment: unloading and placing into the pit / factory floor is not our scope of supply.
- Civil and structural work at site is not in our scope of supply.

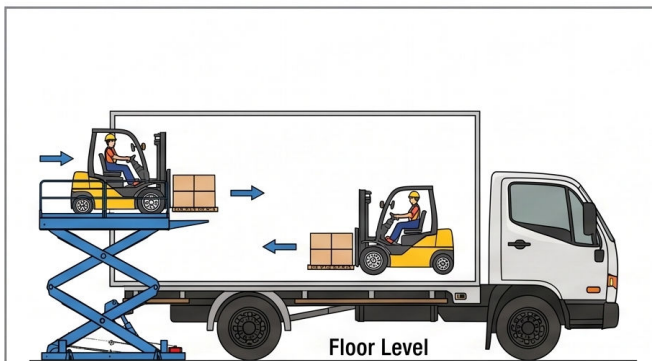
DOCK UP
**DOCKING
SOLUTION**
FOR THE MODERN FACTORY



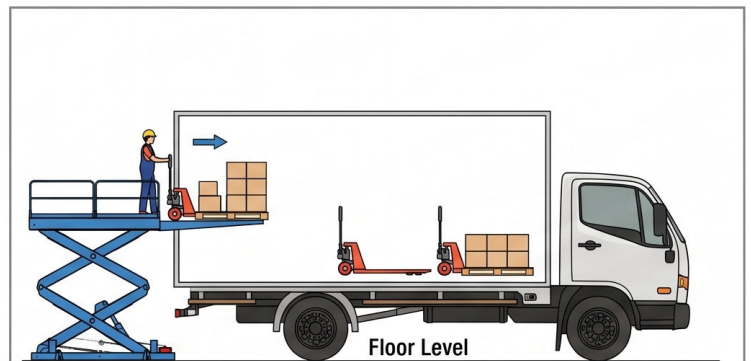
1. MANUAL Handling & Loading on Flatbed



2. CONTAINER LOADING with Forklift



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