



DOCK UP[®]

**DOCKING
SOLUTION
FOR THE MODERN FACTORY**



Application Video



COMPANY PROFILE



Ferro Tiger, established in 1974, is a premier manufacturer of Material Handling Equipment. Our state-of-the-art production facility in Mysore, Karnataka, spans 3 acres with a 60,000 sq ft built-up area. We pride ourselves on our ISO 9001:2015 and OHSAS 18001 certifications, underscoring our commitment to quality and safety.

Our Integrated Facility

- Over 120 skilled team members
- In-house processes, including metal cutting, fabrication, assembly and painting
- Cutting-edge equipment and technology

Serving Industry Leaders

We cater to major private sector companies such as Caterpillar, Volvo, Areva, Saint-Gobain, TVS, Mahindra & Mahindra, Hero, Honda, Toyota, Vedanta, Ford India, Hyundai, TATA, and Ashok Leyland.

Our public sector clients include ISRO, BHEL, BEL, HAL, and PGCIL.

Global Reach

Ferro Tiger equipment has established a strong global footprint, with exports spanning across the USA, Canada, Germany, France, Ireland, South Africa, Uganda, Oman, Saudi Arabia, Bahrain, Myanmar, Sri Lanka, Bangladesh, Vietnam, and Indonesia.

Versatile Applications

Our equipment finds use across various industries:

- Automotive and Aviation
- Warehousing and Packing
- Food and Pharmaceuticals
- Printing Press
- Defense, Space, and Nuclear
- Textile
- Plywood and Furniture



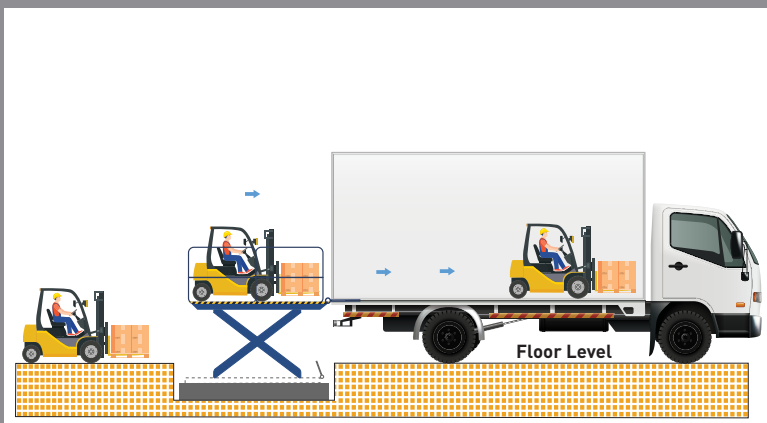
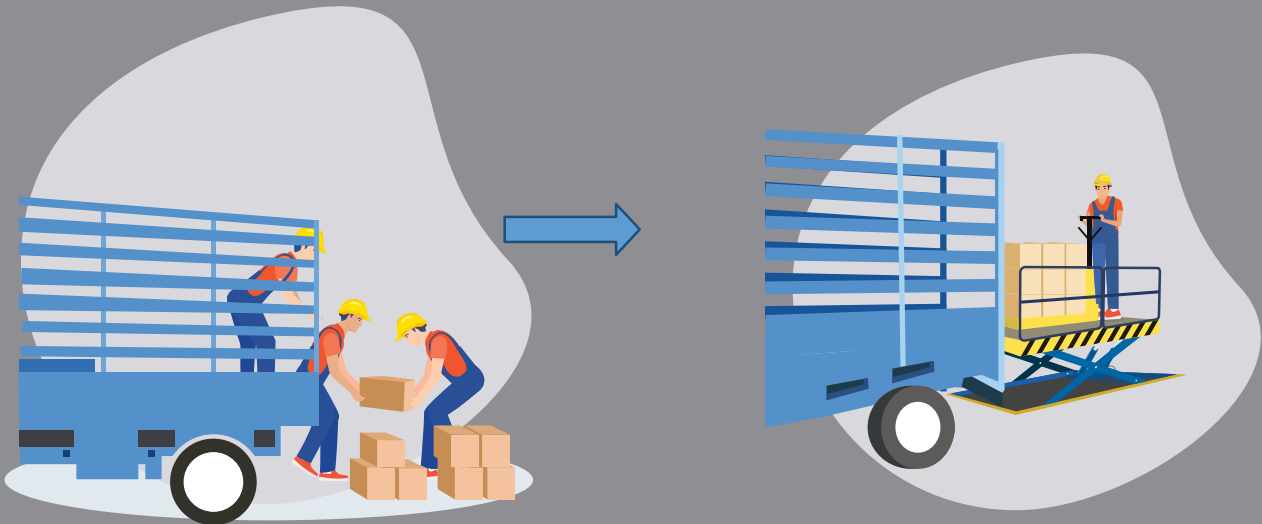
Corporate video



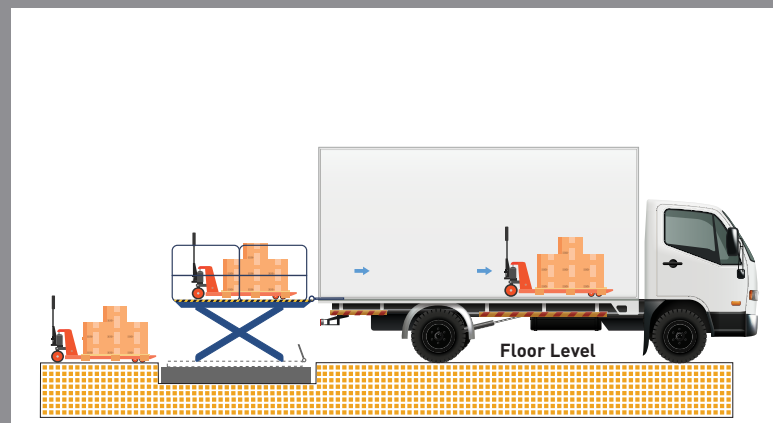
DOCK UP delivers a seamless and highly efficient solution for cargo loading and unloading, effortlessly bridging the height gap between the loading bay and transport vehicles at the touch of a button. It enables the smooth and secure movement of goods, effectively eliminating gaps, preventing cargo slippage, and significantly reducing the risk of damage during operations.

Designed to cater to a wide range of applications, including vans, container trucks, and industrial logistics environments, DOCK UP enhances operational productivity, reduces manual effort, and ensures faster turnaround time.

With its cost-effective performance and long-term reliability, DOCK UP offers a rapid return on investment, taking it an indispensable asset for modern logistics operations.



Truck & container loading with forklift



Truck & container loading with pallet truck

Guard Rail 1100 mm Ht.

Toe Guard - 100 mm

Top Frame

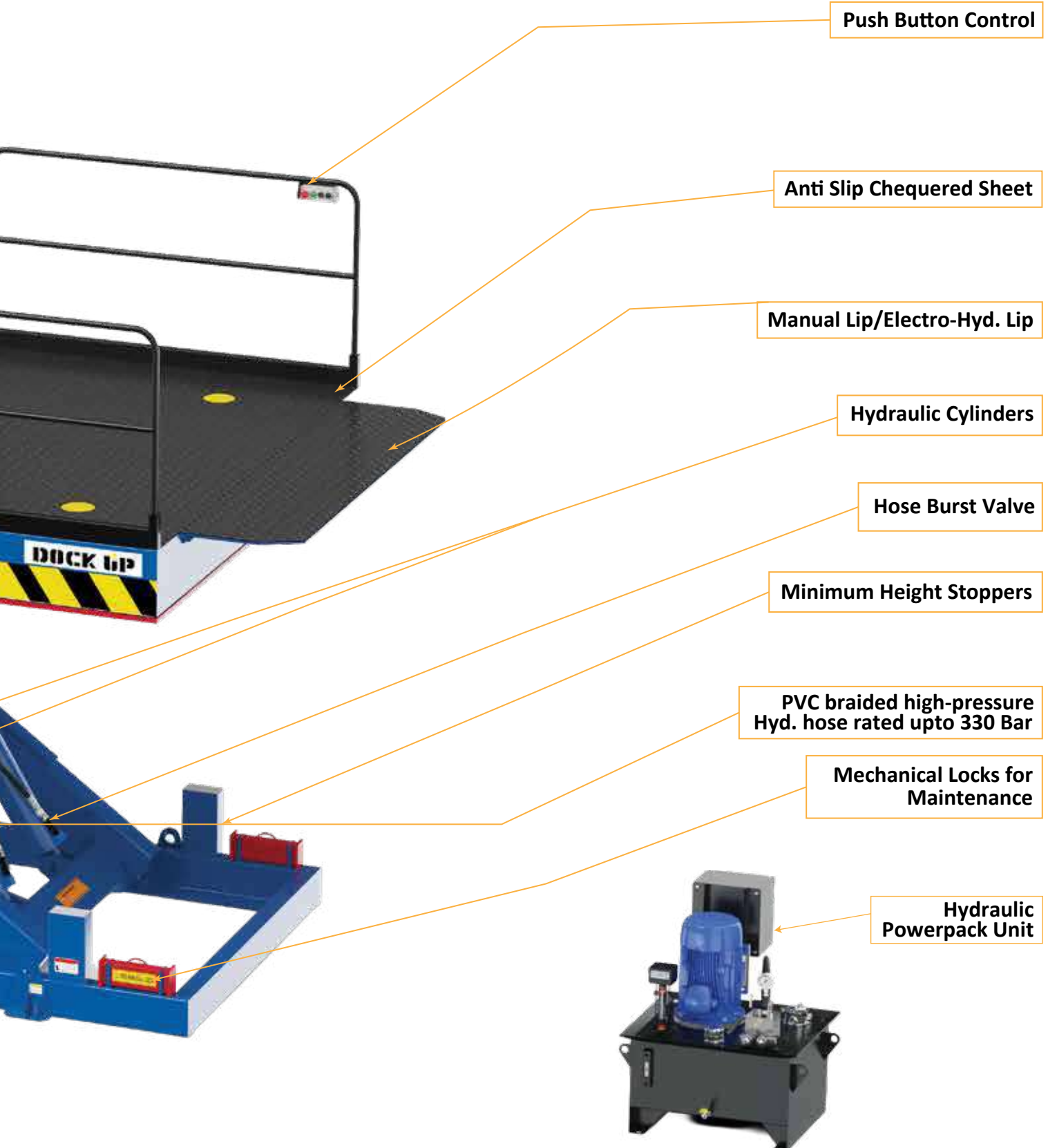
Toe Trap Prevention Device

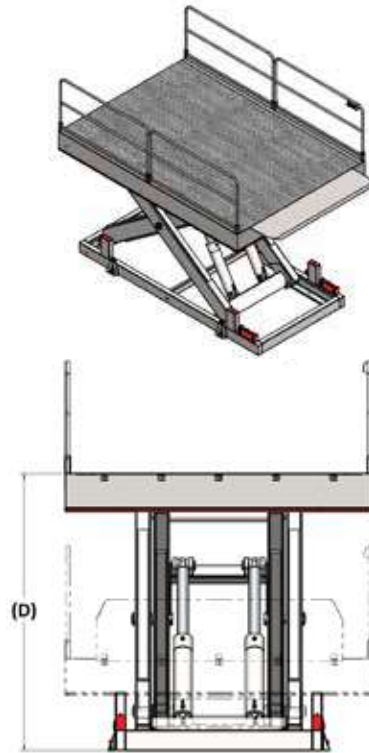
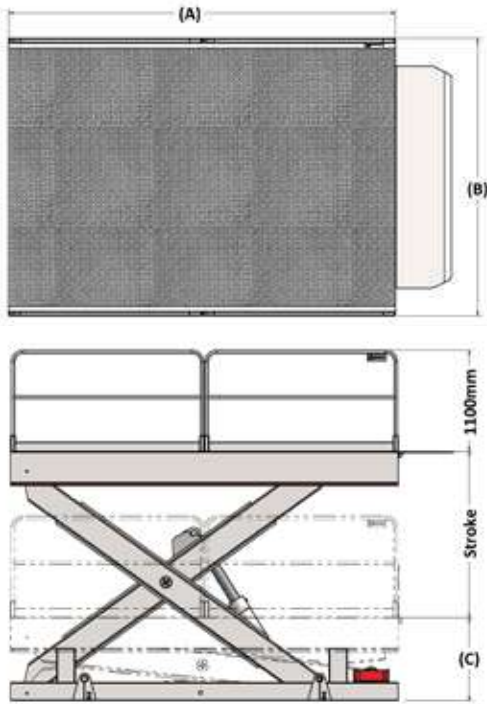
Scissor Arms

Bottom Frame

Lifting Hook with Levelling & Grouting Unit for Safe Handling & Anchoring







SL.No	Model	Loading Application	Capacity In Kgs	Platform (AxB) In mm	Max. Ht. (D) In mm	Closed Ht. (C) In mm	Stroke In mm	Motor kW/HP	Phase Motor	Control Voltage	Time(Sec) Raise/Lower ±10%
1	ED S12 2015 1T	Van / Canter / Truck	1000	2000X1500	1500	300	1200	1.1/1.5	3 Phase	24V DC	30/30
2	ED S12 2015 2T	Van / Canter / Truck	2000	2000X1500	1600	400	1200	1.5/2	3 Phase	24V DC	30/30
3	*ED S16 2520 2T*	Truck	2000	2500X2000	1800	200	1600	2.2/3	3 Phase	24V DC	40/40
4	ED S16 2520 2.5T	Truck	2500	2500X2000	2000	400	1600	2.2/3	3 Phase	24V DC	40/40
5	ED S16 2520 3T	Truck	3000	2500X2000	2000	400	1600	3.7/5	3 Phase	24V DC	40/40
6	ED S18 3020 2T	Truck / Container	2000	3000X2000	2300	500	1800	2.2/3	3 Phase	24V DC	45/45
7	ED S18 3020 3T	Truck / Container	3000	3000X2000	2300	500	1800	3.7/5	3 Phase	24V DC	45/45
8	ED S18 3020 5T	Truck / Container	5000	3000X2000	2300	500	1800	5.5/7.5	3 Phase	24V DC	50/50
9	ED S20 4520 3T	Truck / Container	3000	4500X2000	2600	600	2000	3.7/5	3 Phase	24V DC	50/50
10	ED S20 4520 5T	Container with Forklift	5000	4500X2000	2600	600	2000	5.5/7.5	3 Phase	24V DC	55/55
11	ED S20 5025 6T	Container with Forklift	6000	5000X2500	2800	800	2000	5.5/7.5	3 Phase	24V DC	55/55
12	ED S20 5025 8T	Container with Forklift	8000	5000X2500	2800	800	2000	7.5/10	3 Phase	24V DC	50/50
13	ED S20 5025 10T	Container with Forklift	10000	5000X2500	2800	800	2000	7.5/10	3 Phase	24V DC	50/50

ED S16 2520 2T Model available Ex-Stock.

FEATURES

Key Benefits

- Durable 5 mm chequered plate top platform
- Seamless truck-to-dock transition with a steel lip
- Precise control with infinite positioning
- Efficient single-acting hydraulic cylinders
- 24V DC control voltage for enhanced safety
- Even load distribution for optimal performance

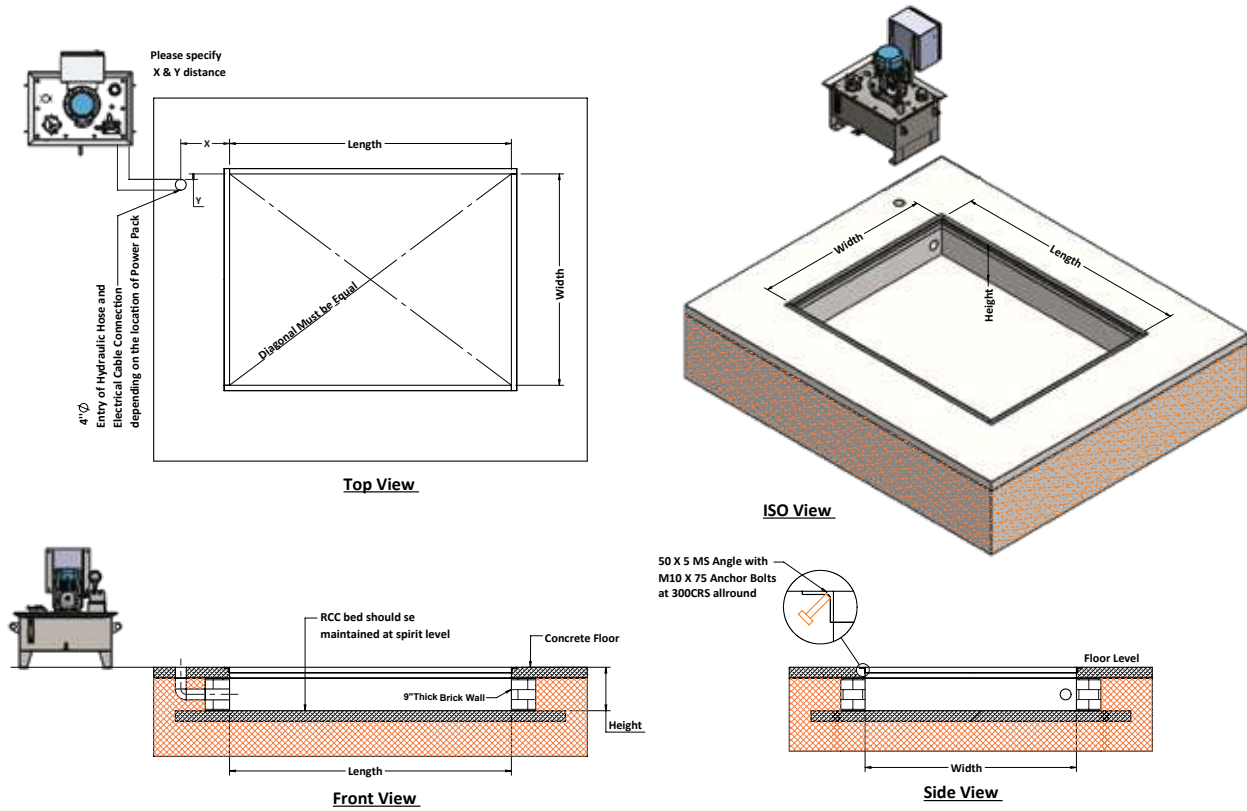
SAFETY

Integrated Safety Measures

- Toe trap prevention device
- Hose burst valve and overload protection
- Guard rails and toe guards
- Mechanical maintenance lock
- Manual emergency lowering valve
- Maximum height limit switch

*Specifications are subject to change

*Customised scissor lift on request



Pit Dimensions Specifications

Proper pit dimensions are crucial for the optimal installation and operation of your DOCK UP system. These specifications ensure seamless integration with your facility's infrastructure.

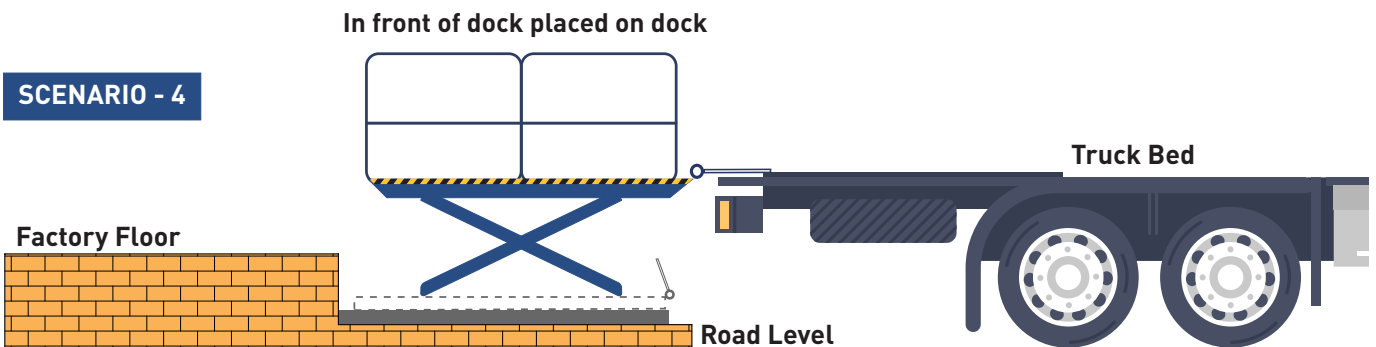
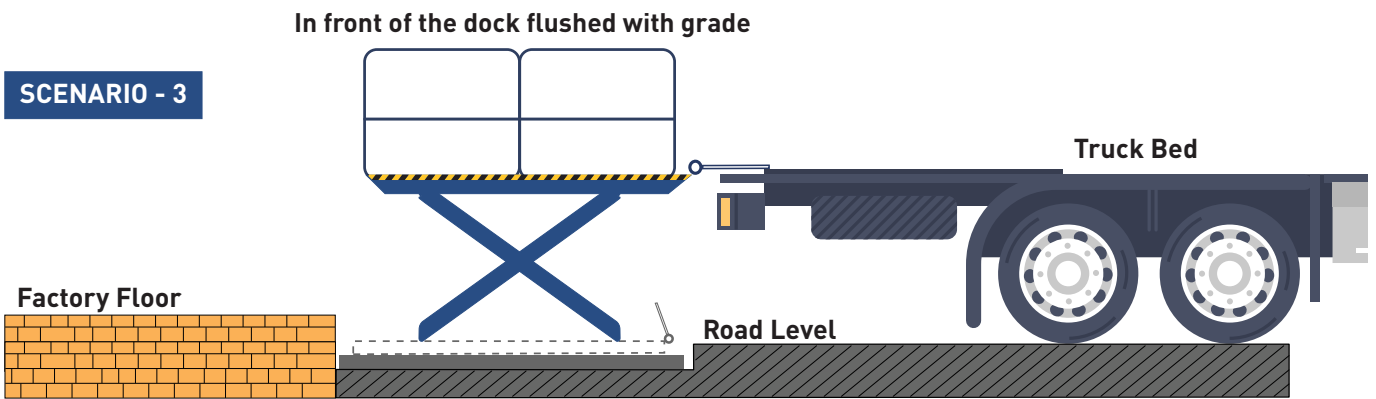
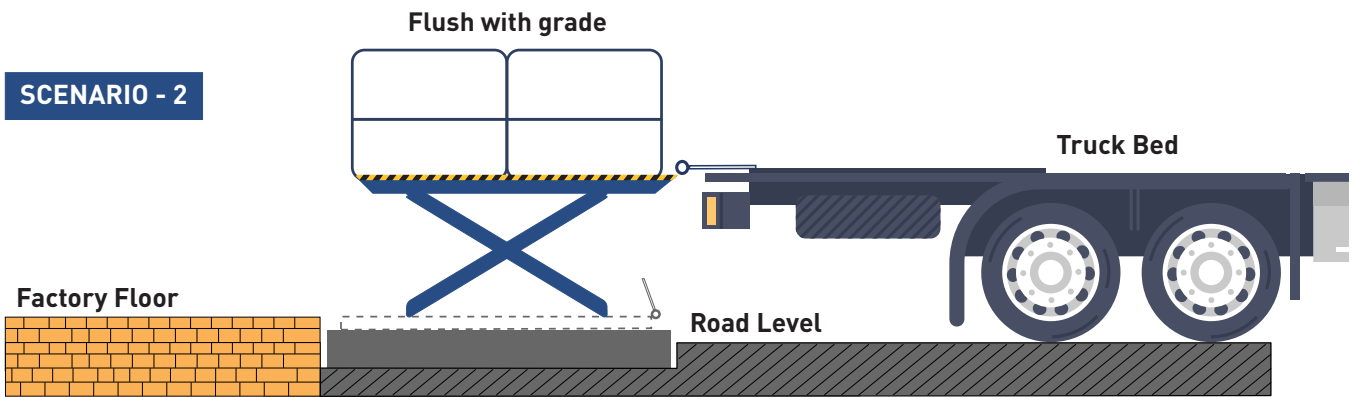
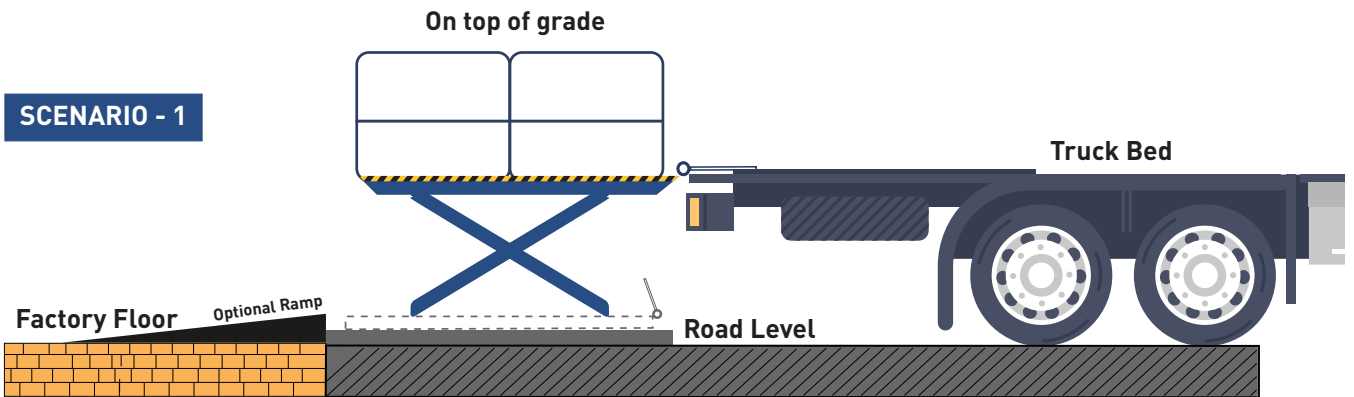
DIMENSION TABLE

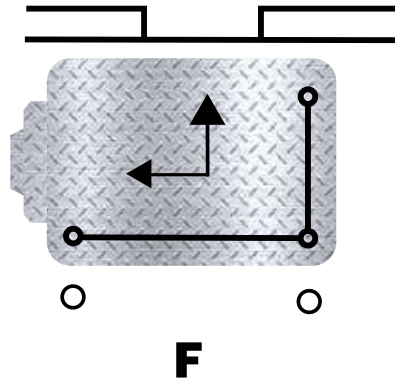
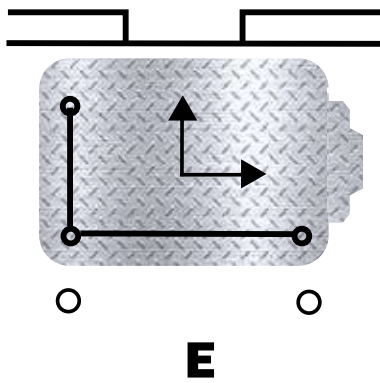
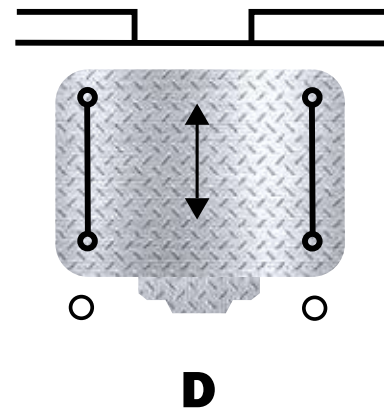
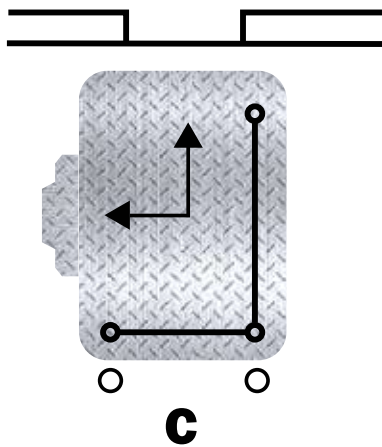
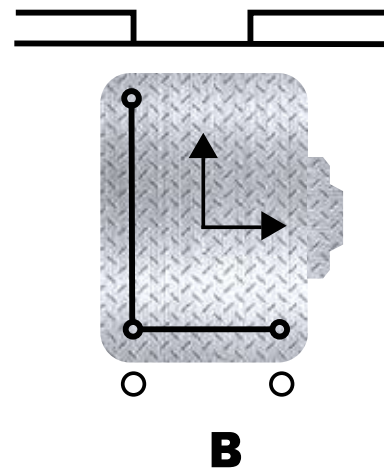
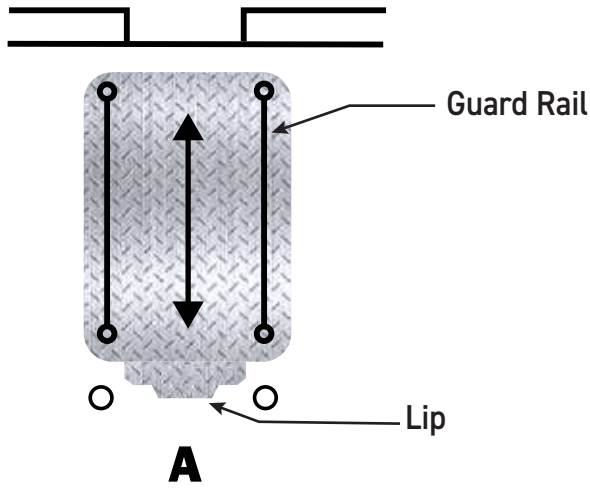
Key Considerations

- All curb angle joints must be fully welded
- Concrete pit steel must be well vibrated
- Ensure all diagonals are equal
- Hydraulic power pack position to be specified by customer (X & Y)
- M.S. Angle 75x75x6 mm thick on all sides
- Anchor bolts: 12 mm diameter x 100 mm long
- 4" PVC pipe required for hose entry

SL.NO	Model	Manual Lip		Electro-Hyd-Lip		Depth (Height) In mm
		Length In mm	Width In mm	Length In mm	Width In mm	
1	ED S12 2015 1T	2150	1600	2350	1600	300
2	ED S12 2015 2T	2150	1600	2350	1600	400
3	*ED S16 2520 2T*	2650	2050	N/A	N/A	200
4	ED S16 2520 2.5T	2650	2100	2850	2100	400
5	ED S16 2520 3T	2650	2100	2850	2100	400
6	ED S18 3020 2T	3150	2100	3350	2100	500
7	ED S18 3020 3T	3150	2100	3350	2100	500
8	ED S18 3020 5T	3150	2100	3350	2100	500
9	ED S20 4520 3T	4650	2100	4850	2100	600
10	ED S20 4520 5T	4650	2100	4850	2100	600
11	ED S20 5025 6T	5150	2600	5350	2600	800
12	ED S20 5025 8T	5150	2600	5350	2600	800
13	ED S20 5025 10T	5150	2600	5350	2600	800

*Customised pit dimensions available upon request to meet specific facility requirements.





*Arrow mark denotes load transfer direction



Platform: 6m X 2.5m | Stroke: 2.6m | Capacity: 12T



Platform: 4m X 2.5m | Stroke: 2.3m | Capacity: 6T



Platform: 4m X 2.5m | Stroke: 2.3m | Capacity: 6T



Platform: 5m X 2.5m | Stroke: 3m | Capacity: 3.5T



Platform: 6.5m X 3m | Stroke: 2.5m | Capacity: 6T



Platform: 2.5m X 2m | Stroke: 1.6m | Capacity: 2T



DOCK UP: ENGINEERED FOR EFFICIENCY

DOCK UP represents the loading dock technology, designed to meet the demands of modern logistics and warehousing operations. Our solution offers:

Uncompromising Quality

- Heavy-duty construction ensures longevity and reliability
- Robust design withstands rigorous daily use
- In compliance with EN 1570

Standard Features

- Versatile stroke range from 1200 mm to 2000 mm
- 5 mm chequered plate top platform for superior durability depending on load
- Strong steel lip for seamless truck-to-dock transition
- Optional electro-hydraulic lip for enhanced productivity

Optimised Performance

- Infinite positioning capabilities with intuitive push-button control
- Customisable to meet specific operational requirements

Comprehensive Safety Measures

- Integrated safety features including hose burst valve and overload protection
- Guard rails, toe guards, and maintenance locks for operator safety
- Emergency lowering valve for additional security



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