



## INTEGRATED MANUAL SYSTEM LEVEL 200

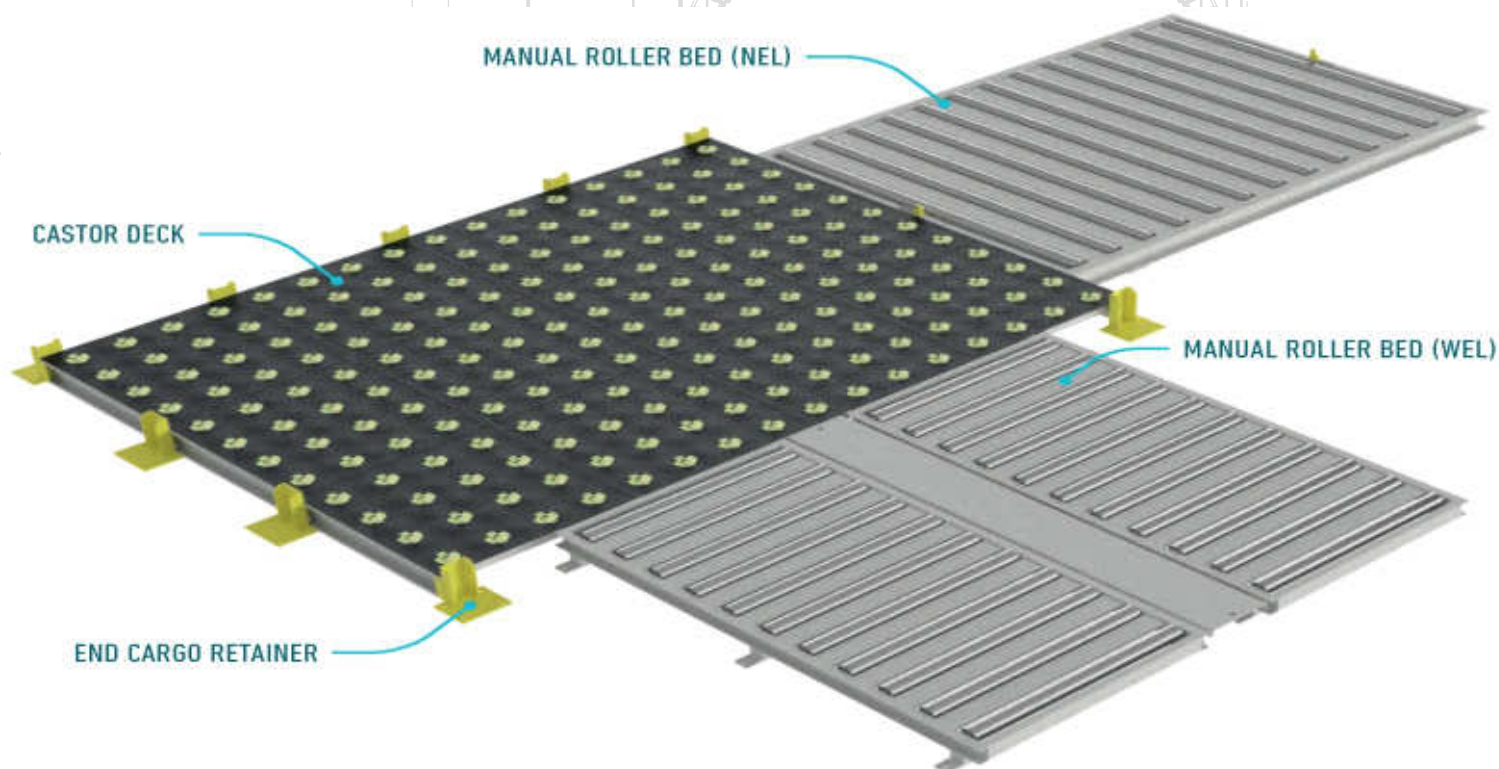
Manual inexpensive ULD handling solution to manoeuvre, redirect and re-orientate ULDs at floor level working environment.

### COMPONENTS:-

Available in Wide Edge Leading (WEL) and Narrow Edge Leading (NEL) configurations. Roller Beds in floor level environments are used for storage, transfer and as workstations. Integrated or standalone cargo retainers within the Workstation Roller Bed are used to stabilize the ULD during loading and unloading operation. Non-slip planks between rollers provide safe walking surface.

### ACCESSORY COMPONENTS:-

- Heavy Impact Resistant Brackets
- Integrated Weigh Scale.





## CASTOR DECK

Provides multi-directional surface to manually manoeuvre, redirect and re-orientated ULDs. Unique modular design of the Castor Decks expedites installation and gives flexibility to extend or re-configure as required. The top deck is non slip and can be perforated for outdoor use, this provides safe walking surface for operators to manipulate the ULD.

### ACCESSORY COMPONENTS:-

- Side Guides
- Trash Skirts
- Stops & Retainers  
200 lbs
- Impact Barriers
- Intergral Weigh Scale

### DESCRIPTION:-

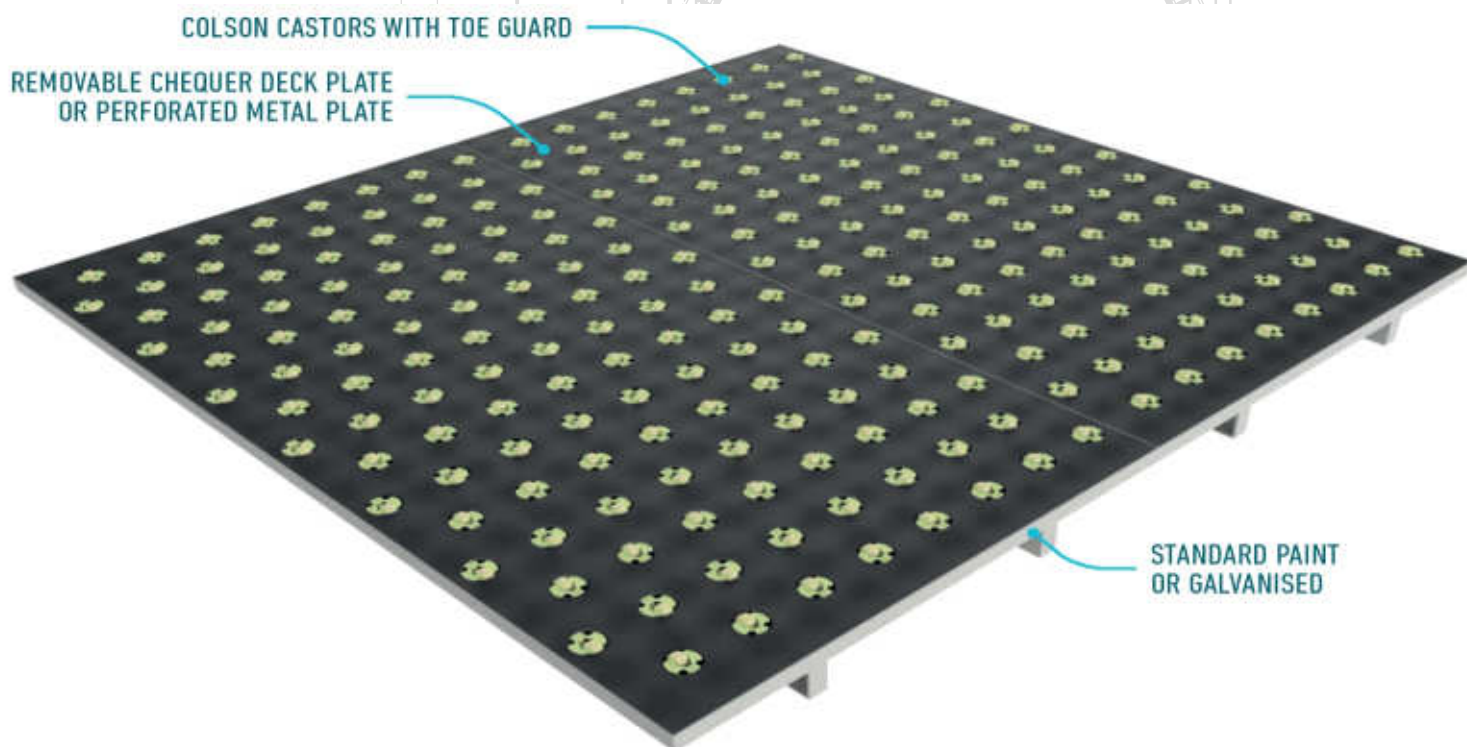
- ICastor Deck provide multi-directional surface to manually manoeuvre, redirect and re-orientated ULDs. Available in standard or bespoke dimensions. The top deck is non slip and can be perforated for outdoor use, this provides safe walking surface for operators to manipulate the ULD. Small section of Castor Deck may be used as interface between conveyors or large installations acts as prime mover.

### SPECIFICATION:-

Operating Height: 508mm  $\pm$  25 (20" - Dolly Height)

Operating Dimensions: 4000mm x 4200mm (to rotate Main Deck unit)

SWL: 6800kg



70, Podar Chambers, S.A.Brelvi Marg, Fort, Mumbai, INDIA

Tel: +91 22 2261 8334/8461, Email: info@transtecoverseas.com, Web: www.transtecoverseas.com



## MANUAL ROLLER BED NARROW EDGE LEADING (NEL)

### DESCRIPTION:-

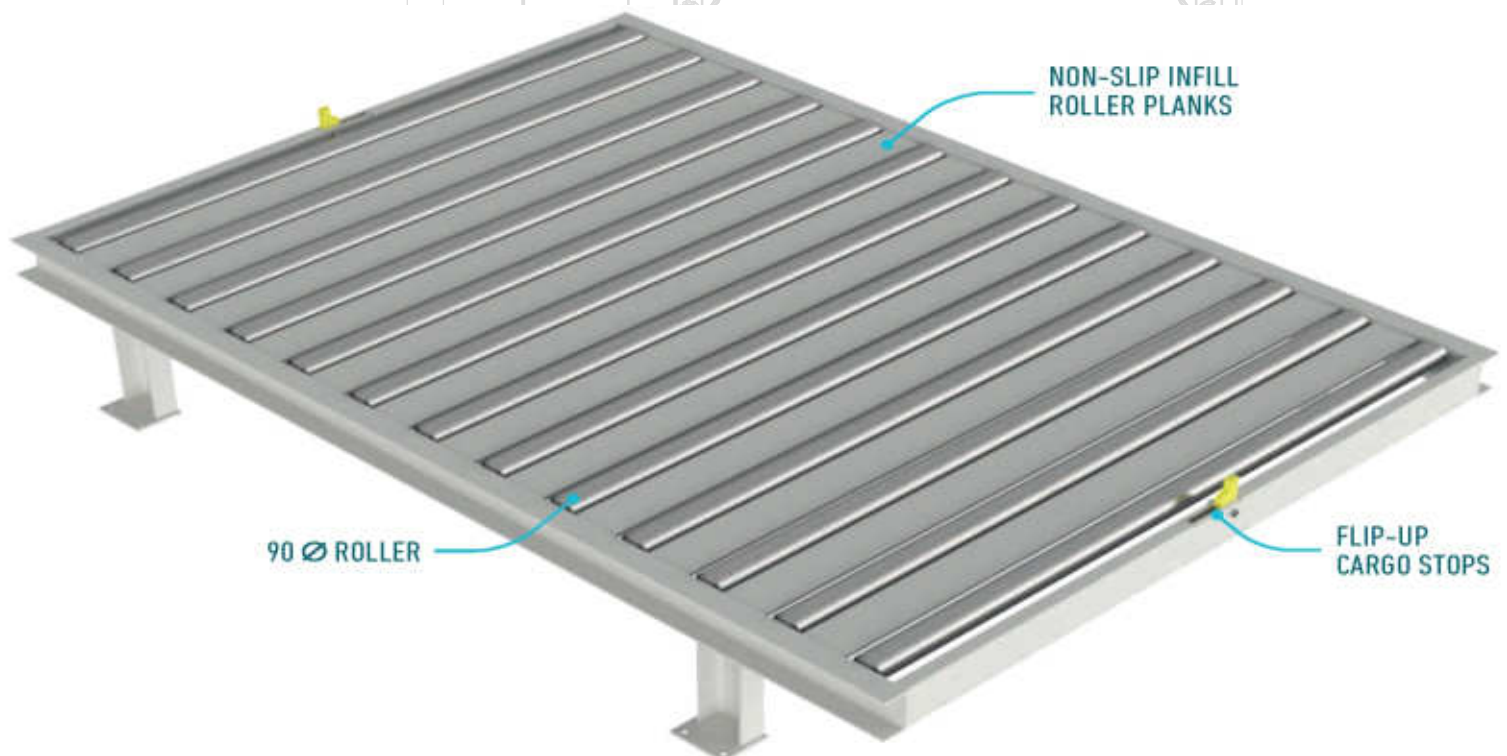
Roller Beds in floor level environment are used for storage, transfer and as workstations. Integrated or standalone cargo retainers within the Workstation Roller Bed are used to stabilize the ULD during loading and unloading operation. Non slip planks between rollers provide safe walking surface. Height adjustable feet can be added to the Manual Roller Bed to operate at dolly height (508mm/20"). An Integrated Manual ULD handling system may be created by combining manual roller bed with castor deck.

### SPECIFICATION:-

Operating Height: 200mm  $\pm$ 10, 508mm  $\pm$ 25  
Operating Dimensions: 2333mm x 3280mm  
SWL: 6800kg

### ACCESSORY COMPONENTS:-

- ➔ Side Guides
- ➔ Stops & Retainers
- ➔ Impact Barriers
- ➔ Integral Weigh Scales







## MANUAL ROLLER BED WIDE EDGE LEADING (WEL)

### DESCRIPTION:-

Roller Beds in floor level environment are used for storage, transfer and as workstations. Integrated or standalone cargo retainers within the Workstation Roller Bed are used to stabilize the ULD during loading and unloading operation. Non slip planks between rollers provide safe walking surface.

Height adjustable feet can be added to the Manual Roller Bed to operate at dolly height (508mm/20").

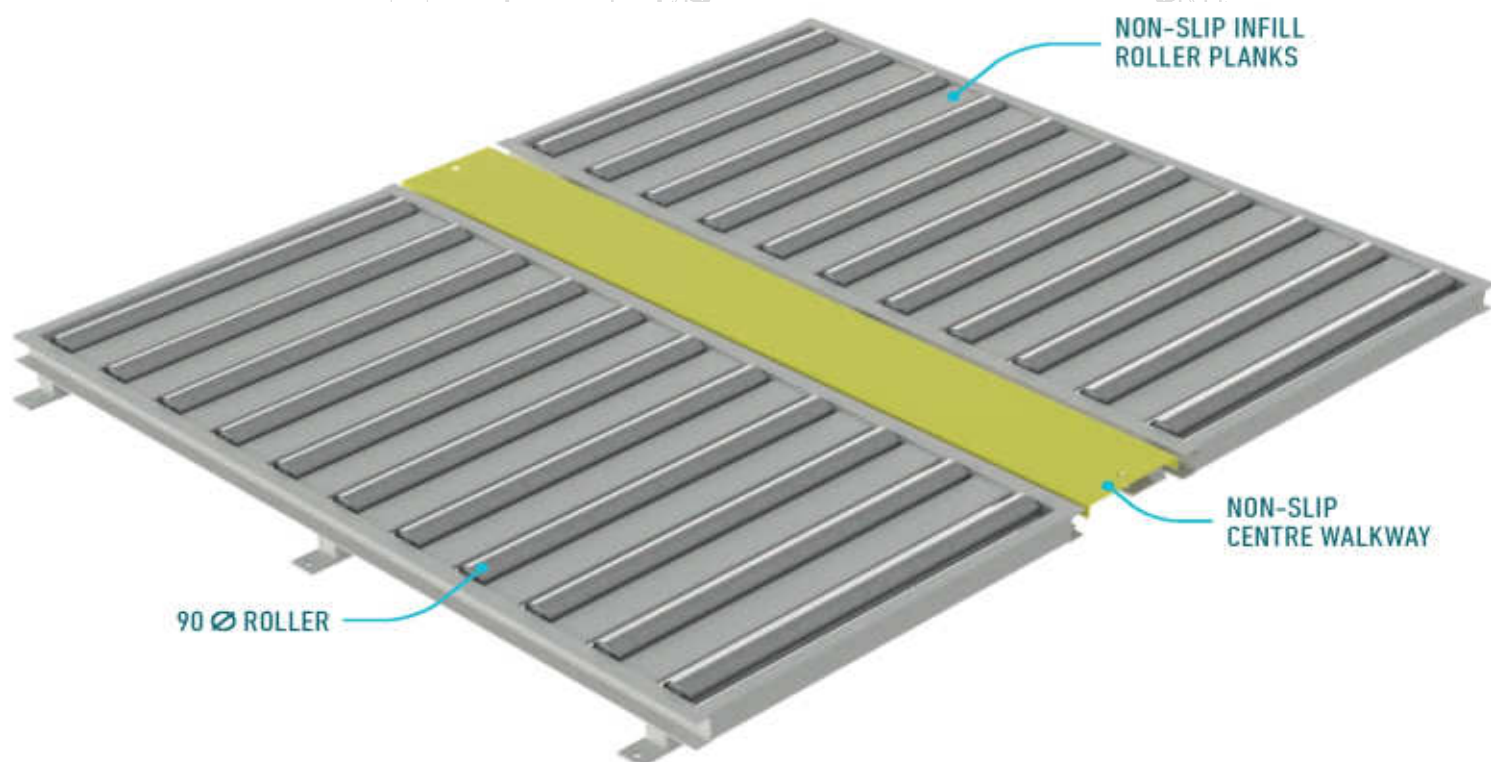
An Integrated Manual ULD handling system may be created by combining manual roller bed with castor deck.

### SPECIFICATION:-

Operating Height: 200mm  $\pm$ 10, 508mm  $\pm$ 25  
Operating Dimensions: 2913mm x 2500mm  
SWL: 6800kg

### ACCESSORY COMPONENTS:-

- ➔ Side Guides
- ➔ Stops & Retainers
- ➔ Impact Barriers
- ➔ Integral Weigh Scales





## POWERED ROLLER BED NARROW EDGE LEADING (NEL)

### DESCRIPTION:-

Powered Roller Beds are designed to propel aircraft ULDs within a larger air cargo facility with minimum manual handling. Powered Roller Beds can be used for both ULD storage and transfer operation.

In storage operation Powered Roller Bed can be driven in tandem with a prime mover to deliver or retrieve from storage positions.

In transfer operation, the Roller Beds are self propelled. Long roller bed sections are capable of holding several ULDs are usually configured with automated accumulation to optimise in-line storage capacity..

### SPECIFICATION:-

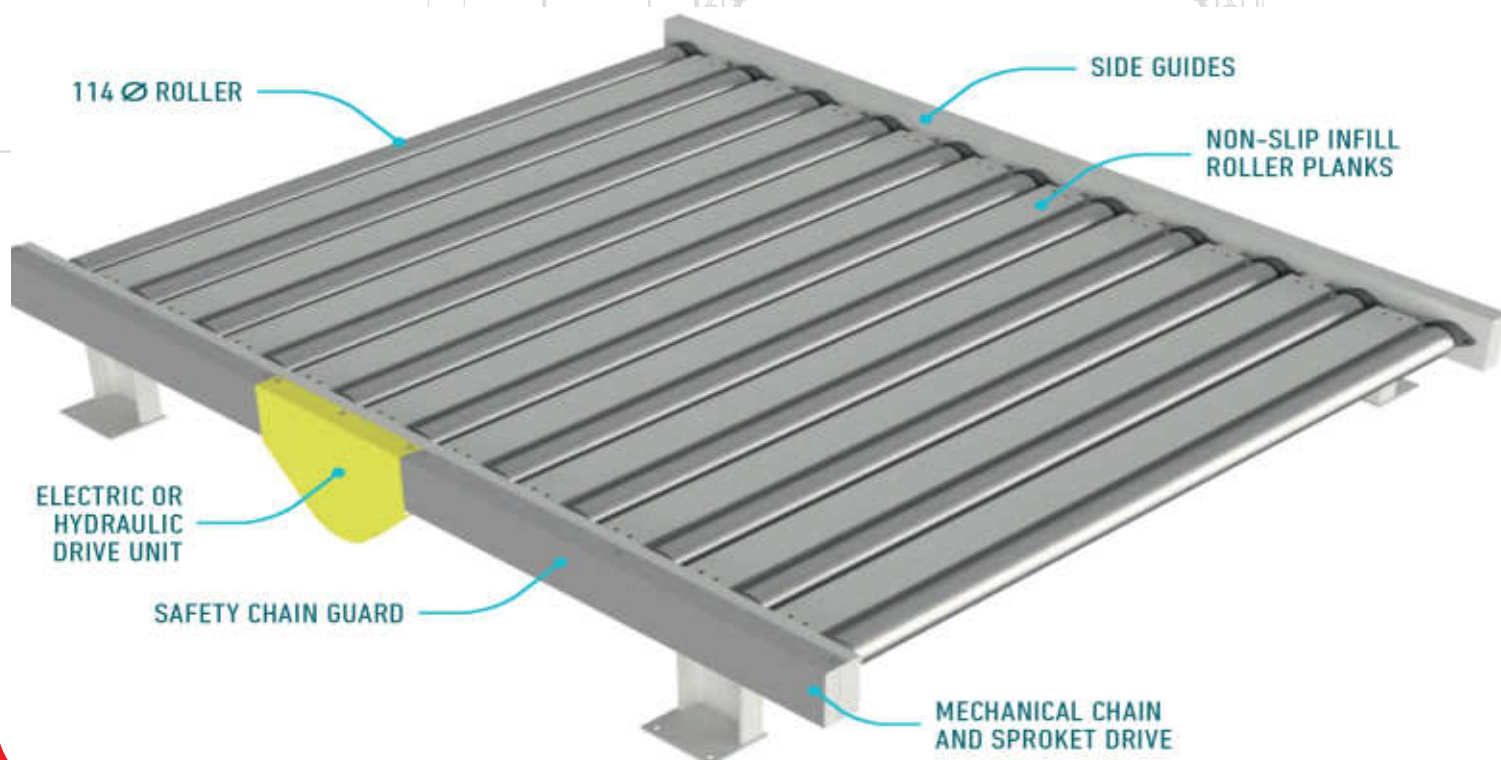
Operating Height: 200mm  $\pm$ 10, 500mm  $\pm$ 25  
Operating Dimensions: 3300mm x 2740mm  
SWL: 6800kg

### ACCESSORY COMPONENTS:-

- ➔ End Cargo Stops & Retainers
- ➔ Impact Barriers
- ➔ Intergral Weigh Scale
- ➔ End of Travel Sensors

### OPTION:-

- ➔ Wide Edge Leading (WEL)





## SLAVE DOLLY NARROW EDGE LEADING (NEL)

### DESCRIPTION:-

Slave Dollies enhance flexibility of warehouse operations. Slave Dollies allow safe transportation of ULDs and can be utilized as build-up or breakdown stations. Flip up cargo stops contain the cargo during transportation.

### SPECIFICATION:-

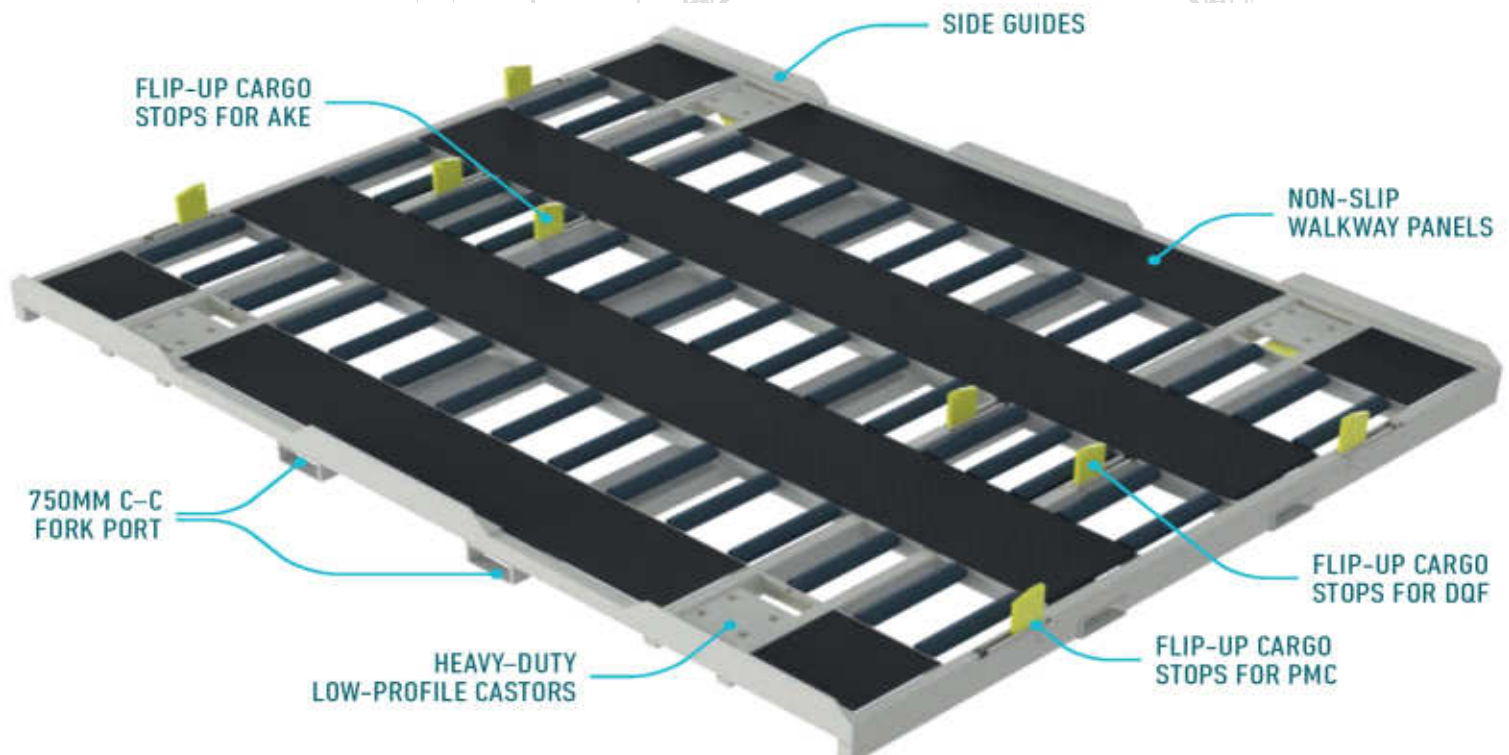
Operating Height: 200mm

Operating Dimensions: 3270mm x 2540mm

SWL: 6800kg

### OPTION:-

→ Wide Edge Leading (WEL)







## TRUCK DOCK SCISSOR LIFT

### DESCRIPTION:-

Truck Dock Scissor Lifts facilitate lift and transfer of ULDs between road and air cargo transport. Hydraulic cylinders provide controlled raise and lowering of the scissor lift, while the roller bed is powered by either electric geared motor or hydraulic motor. Manual roller bed is available as an option.

Powered or manual roller beds in Narrow Edge Leading (NEL) configuration are available in 10ft, 15ft and 20ft long. ULD reorientation or Right Angle Transfer onboard the Scissor lifts is achieved with powered HeliRoll deck or manual castor deck. The Truck Dock Scissor Lifts are floor mounted, and do not require a pit.

### SPECIFICATION:-

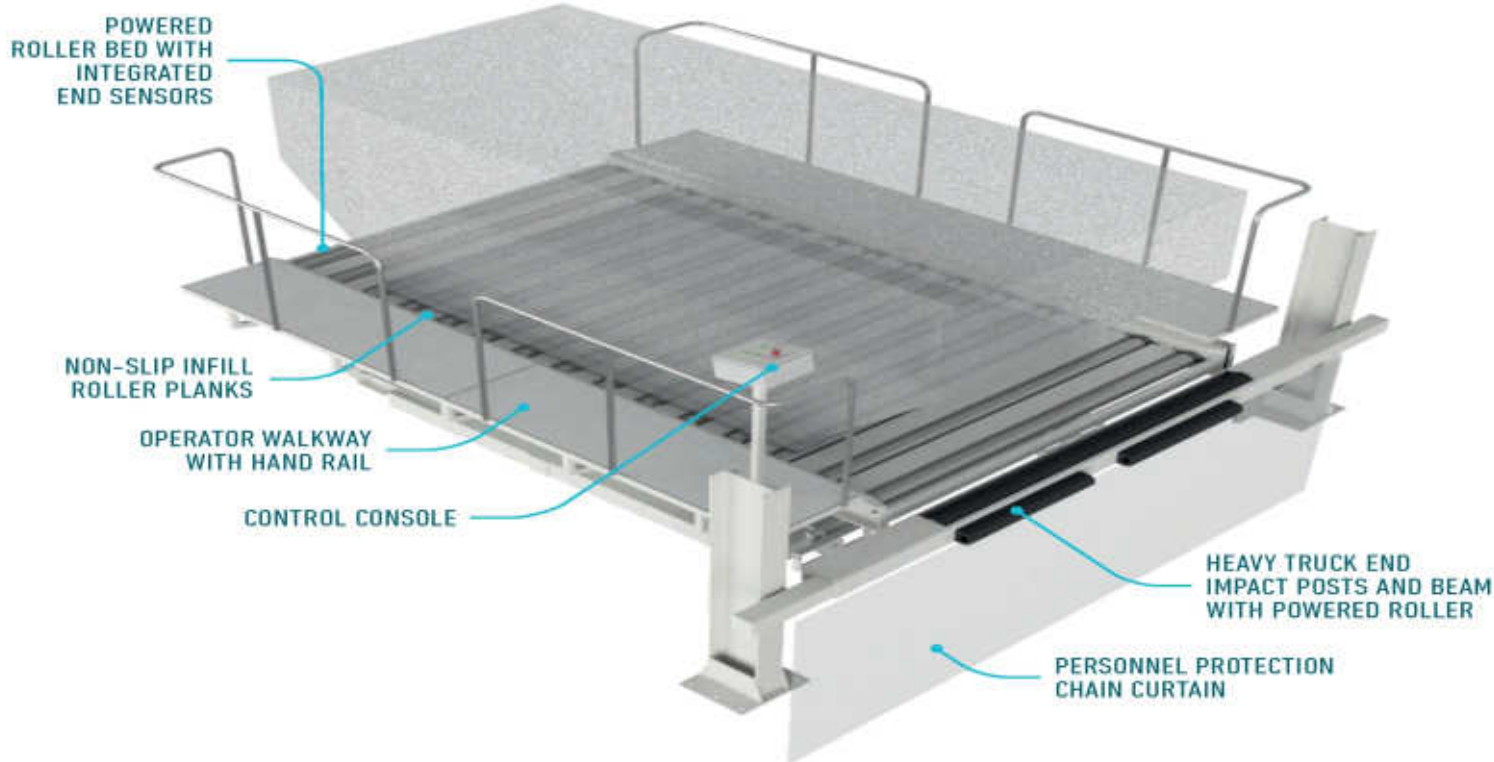
Operating Height: 500mm to 1600mm

NEL Roller Bed, Operating Dimensions & SWL:

- ➔ 3100mm (L) x 2540mm (W) — 6800kg
- ➔ 4570mm (L) x 2540mm (W) — 6800kg
- ➔ 7200mm (L) x 2540mm (W) — 14000kg

### OPTION:-

- ➔ Operators Walkway
- ➔ Onboard Operators Control Station
- ➔ Truck End Impact Posts & Beam + Powered/Manual Roller
- ➔ Side Shift  $\pm 150$ mm
- ➔ Integral Weighing Capability
- ➔ Personnel Protection Mesh



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461, Email: [info@transtecoverseas.com](mailto:info@transtecoverseas.com), Web: [www.transtecoverseas.com](http://www.transtecoverseas.com)





