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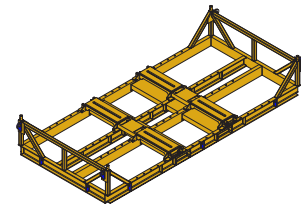
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**Operational Considerations:**

- **Assess the condition of the pallet and associated equipment (incl. bolts, rubber, pins, weather cover, straps etc.) before each use.**
- **Discard equipment with visible signs of damage and replace with an equivalent.**
- **Structural aspects, such as welds, should be inspected visually before each use and by NDT periodically according to the End Users preservation requirements.**
- **Do not use the pallet if structural damage is observed. Consult Daywalk for repair advice.**
- **Bolts used to secure the motor/gearbox to the Multi-Porta are recommended by Daywalk to be single use only.**

## This Guide

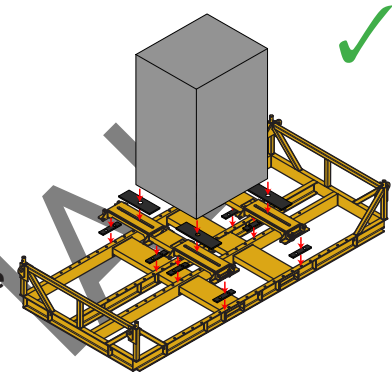
- Covers the Daywalk Multiporta pallet (SKU 13-PCMP5000/2320/12.5T) with a single item weighing up to 12,500kg secured to it and transported by road in Australia
- Is a loader and driver guide to the certification E02042-LRC1 which satisfies the loading requirements of the Performance Standard contained in Schedule 7 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation 2021



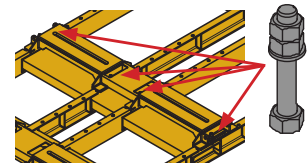
Daywalk  
Multiporta Pallet

## Key Elements

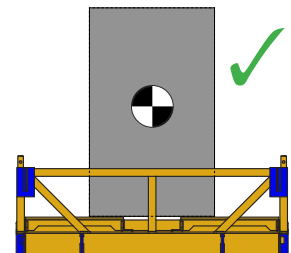
- ✓ Equipment must be in good working order
- ⚠ Damaged pallets should be inspected by a competent person to confirm their structural capacity before use
- ✓ Place rubber with minimum coefficient of friction of 0.6 and minimum load capacity of 6.0 N/mm<sup>2</sup> between the item and the pallet and between the sliders and the pallet
- ✓ Rubber must have capacity to withstand load without failing (i.e. crushing, tearing or disintegrating etc.)
- ✓ Rubber should be inspected prior to use of the pallet. If noticeable wear and tear is present, rubber should be removed and replaced
- ✗ No low friction surfaces (i.e. steel on steel)
- ✓ Position the item such that the Centre of Gravity [CoG] is located between the tyne pockets and centrally across the width of the pallet
- Minimum item foot size is 4 off 150 x 150mm
- ✓ Secure the item to the pallet with a minimum of 4 Grade 8.8 bolts, completed with custom Daywalk washers, torqued per the requirements specified in Table 1



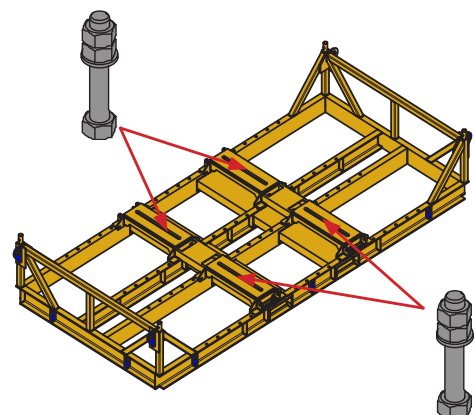
Rubber between all  
friction interfaces



Secure each slider  
with supplied bolts



Central CoG Position



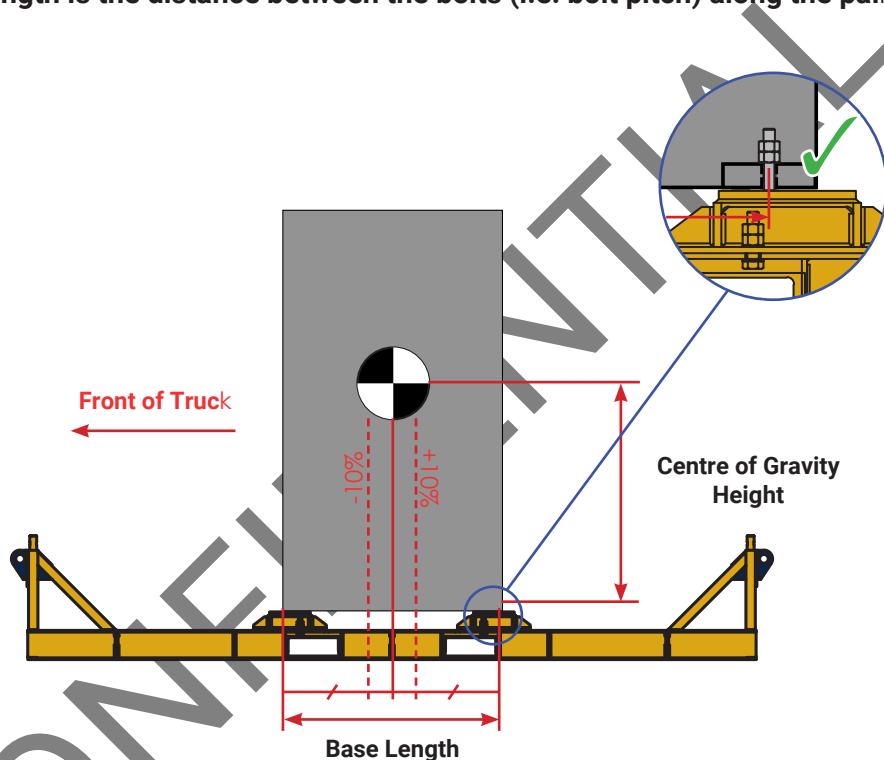
Secure with min. 4 bolts

Table 1: Required Bolt Torque for Items up to 12,500kg

Bolt Diameter	Number of Bolts		
	4	6	8
30mm	260 Nm	175 Nm	130 Nm
36mm	310 Nm	210 Nm	155 Nm
42mm	365 Nm	245 Nm	185 Nm
48mm	415 Nm	275 Nm	210 Nm
56mm	485 Nm	325 Nm	245 Nm
64mm	550 Nm	370 Nm	275 Nm
72mm	620 Nm	415 Nm	310 Nm
80mm	690 Nm	460 Nm	345 Nm

## Load Capacity - Load Stability

- ✓ The maximum load capacity of the pallet is also dependent on the stability of the item in the forwards and sideways directions (i.e. the base width, base length and centre of gravity height)
- ✓ Tables 2 and 3 specify the maximum pallet capacity based on load stability in the forwards and sideways directions respectively
- ✓ The pallets capacity is the lesser value obtained from the two tables
- ⚠ Items may topple forwards if they have a narrow base length
- ✓ The base length is the distance between the bolts (i.e. bolt pitch) along the pallet



- ✓ The maximum forwards toppling load capacity for items with a centre of gravity within 10% of the base length from the mid point is shown in Table 2

Table 2: CoG Limitations - Forwards Toppling

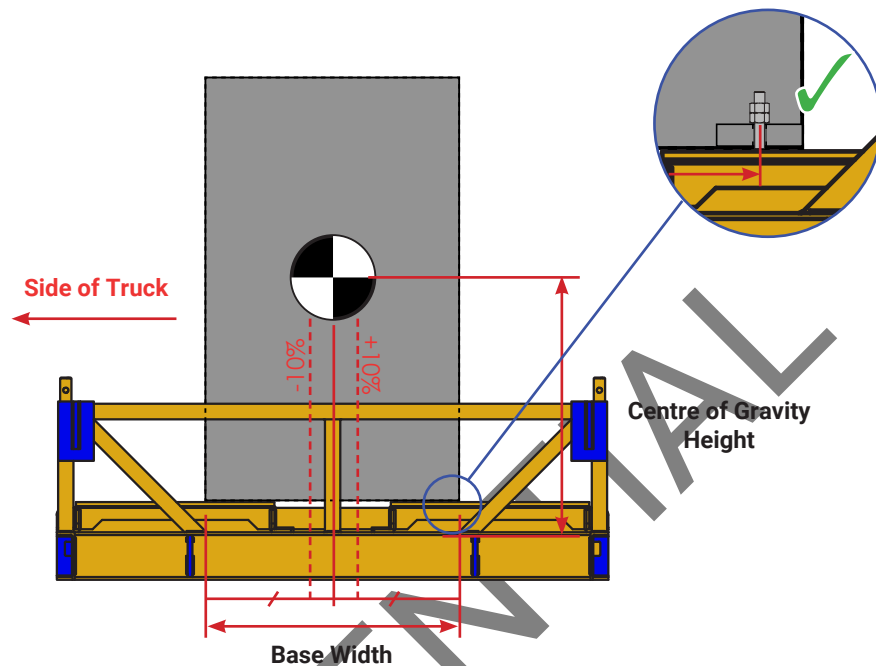
Base Length	Centre of Gravity Height (mm)			
	0 - 800	801 - 1000	1001 - 1200	1201 - 1400
1600 - 1800mm	12500kg	-	-	-
1801 - 2000mm	12500kg	-	-	-
2001 - 2200mm	12500kg	12500kg	-	-
2201 - 2400mm	12500kg	12500kg	-	-
2401 - 2500mm	12500kg	12500kg	12500kg	-



Items may topple sideways if they have a narrow base width



The base width is the distance between the bolts (i.e. bolt pitch) across the pallet



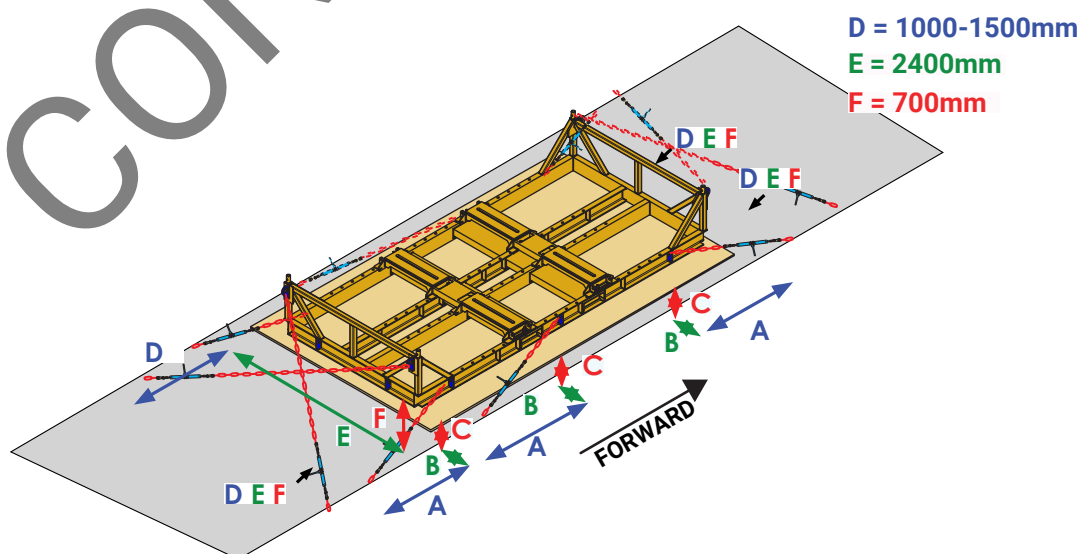
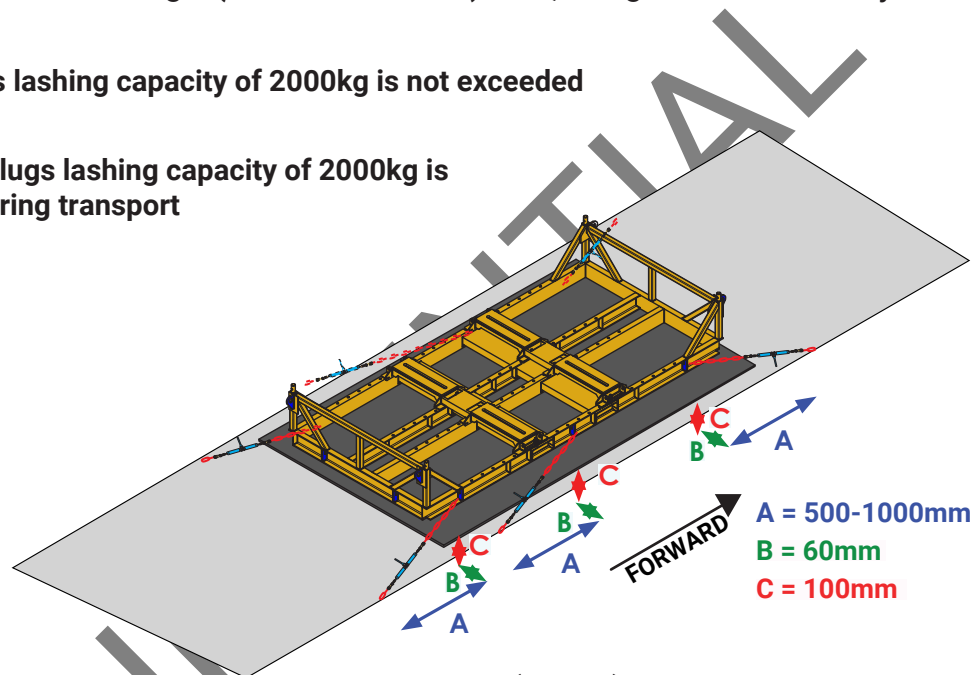
The maximum sideways toppling load capacity for items with a centre of gravity within 10% of the base width from the mid point is shown in Table 3

Table 3: CoG Limitations - Sideways Toppling

Base Width	Centre of Gravity Height (mm)				
	0 - 690	691 - 800	801 - 1000	1001 - 1200	1201 - 1400
870 - 1000mm	12500kg	-	-	-	-
1001 - 1100mm	12500kg	12500kg	-	-	-
1101 - 1200mm	12500kg	12500kg	-	-	-
1201 - 1300mm	12500kg	12500kg	-	-	-
1301 - 1400mm	12500kg	12500kg	12500kg	-	-
1401 - 1500mm	12500kg	12500kg	12500kg	-	-

## Load Restraint

- ✓ Place rubber (with min. coefficient of friction of 0.6 and min. load capacity of 6.0 N/mm<sup>2</sup>) or rough sawn timber (with min. coefficient of friction of 0.4) between the pallet and the deck
- Load the pallet centrally across the truck
- ✓ Secure the pallet to the truck with chains only, in the arrangements shown (chains are to be mirrored on opposing side)
- Chains must be min. 8mm, compliant to AS4344 and pre-tensioned to 1000kg.f
- ✓ All lashing components must have a minimum Lashing Capacity (LC) of 2000kg.f
- ✓ Maximum allowable total weight (Pallet TARE + Item) is 14,600kg for the restraint systems shown
- ✓ Ensure base lugs lashing capacity of 2000kg is not exceeded during transport
- ✓ Ensure elevated lugs lashing capacity of 2000kg is not exceeded during transport



Industrial rubber / rough sawn plywood | Steel ( $\mu=0.4$ )