

1. Objective and Scope

To describe the process of safely moving, storing and handling of Ironman Hybrid Barriers, utilising a forklift.

2. Responsibilities

The site manager and appropriately experienced staff has overall responsibility of ensuring that all elements of this procedure are carried out.

3. General Specifications

General barrier specification are as follows:

- Galvanised Steel Construction
- Length – 4.115m (pin centres)
- Width – 546mm
- Height – 813mm
- Weight – 925kg

4. Personal Protective Equipment

The following is mandatory PPE.



Boots



Eye Protection



Ear Protection



Hi Viz



Gloves



Protective Clothing

5. General Safety Points

- a) PPE must be worn at all times – refer point 4;
- b) Moving, storing and handling of barriers involve the use of forklifts. This SOP is to be observed in conjunction with SOP EOSOP-006 (Operating Forklifts) and other state based legislation on safe operating of a forklift;
- c) All operators driving a forklift must hold a current valid licence

d) Lifting Points

The 4-meter Ironman Barrier must only be lifted from either of the 2 lifting points detailed.

- Centre lifting lug on the top of the barrier for jib / crane lifting
- Between the rub rail and the thrie beam on the vertical plane and across the centre bulkhead on the horizontal plane for forklift operators

e) Under no circumstances is any other product to be placed on the Ironman Barrier when the product is being moved.

6. Moving Barriers

- a) Barriers should not be more than 300mm above the ground whilst being transported on a forklift.;
- b) Under no circumstances are pedestrians to walk beside any barrier, whilst it is in motion. It is the responsibility of the Forklift Driver to enforce this provision;
- c) Under no circumstances are any materials other than the custom built trolley to be used under the barriers to act as a roller;
- d) When moving Ironman barriers, speed of travel is not to exceed walking pace; and
- e) A jockey wheel attachment option may be used to raise the barrier off the ground for movement across surfaces not exceeding a 5deg slope.

7. Storing of Barriers within the yard.

- a) Typically, barriers should only be stacked 3 high, however barriers can be stacked 4 high, if safe to do so and on flat level concrete with excellent visibility, no cross fall, and clear view line of each barrier stack to ensure barriers are adequately interlocked when stacking.



If ever in doubt, check with your supervisor prior to stacking barriers.

8. Loading Ironman Barriers

- a) Barriers never exceed a height of two barriers when loaded onto a vehicle and are loaded 4 across the bed of the truck (typical semi-trailer).



- b) Barriers are always loaded one row high, but two units will fit on the fork tynes. Never balance two barriers whilst loading, as this does not constitute a “safe and secure” load;
- c) Under no circumstances, is any person permitted to place themselves between the barrier and the loaded truck; and
- d) Barriers are tied down in accordance with the weight guidelines for load restraint applicable to that state. Generally three (3) straps or more per stack of eight (8) barriers.



SOP REVISION UPDATES

Rev 3 dated 24/10/2020

- a) New format