

About the Port Load Chart

The Port Load Chart is intended to provide guidance on the maximum allowable loads permitted on wharves, piers and building floors at Ports Victoria-owned facilities. The details are correct at time of publication but may be subject to variation.

Revisions and updates

The Ports Victoria Port Load Chart will be revised and updated on a regular basis.

The latest version will be on the web site ports.vic.gov.au. It is the responsibility of persons using this chart to ensure that they are referring to the latest version.

Load categories

The Port Load Chart is only applicable to the standard load categories defined below and in the Standard Loads Diagram – refer Attachment 1 in relation to Station Pier – refer Attachment 2.

Single axle load

The maximum single axle load (except forklifts) is shown in Column A of the Chart. Axles must be a minimum of 2.4 m apart to be considered single axles. (Note: VicRoads maximum 9 tonne single axle load for standard road registered vehicles.)

Tandem axle group load

The maximum tandem axle group load is shown in Column B of the Chart. Axles must be a minimum of 1.2 m apart within the group. (Note: VicRoads maximum 16.5 tonne tandem axle group load for standard road registered vehicles.)

Tri-axle group load

The maximum tri-axle group load is shown in Column C of the Chart.

Axles must be a minimum of 1.2 m apart within the group. (Note: VicRoads maximum 20 tonne tri-axle group load for standard road registered vehicles.)

Forklift front axle load

The maximum load on a forklift front axle is shown in Column D of the Chart. The following additional conditions relate to forklift operation:

- The Gross Vehicle Mass (the vehicle weight plus total payload) must not exceed 1.5 x maximum axle load.
- The forklift keeps at least 6 m from all other vehicles except the one that is being loaded.

For example, on west of Station Pier the Gross Vehicle Mass (the vehicle weight plus payload) of a forklift in use shall not exceed (1.5 x maximum axle load of 16 tonne) 24 tonne.

Uniformly spread load

The maximum uniformly spread load from cargo stacking over an area is shown in Column E. For example, on west of Station Pier an estimated average weight carried in any 10 m² of concrete deck area shall be no more than 10 tonnes.



Cranes

All crane loads need to be assessed individually. Please contact the Ports Victoria Assets & Infrastructure Department on (03) 8347 8357 during business hours. Generally, three (3) business days' notice is required for load approval. However, depending on the complexity, approval could take up to two weeks (to assess the loading by a third-party engineering consultant appointed by Ports Victoria) after all relevant information is obtained, where applicable.

General

The above axle loads are based on dual-tyred wheels (i.e. 4 tyres per axle). **Where single-tyred wheels (i.e. 2 tyres per axle) are used, then allowable axle loads in the load chart shall be halved.**

Axle loads include the weight of wheels etc. Where spacing is less than the above limits, allowable loads shall be reduced proportionately.

Non-standard loads

The loads shown in the table below are standard design loads for the respective areas. For further information, including the non-standard load approval process including allowable loading in the remaining areas within Ports Victoria, please contact the Ports Victoria Assets & Infrastructure Department on (03) 8347 8357 during business hours. Generally, three business days' notice is required for non-standard load approval.

However, depending on the complexity, approval could take up to two weeks (to assess the loading by a third-party engineering consultant appointed by Ports Victoria) after all relevant information is obtained, where applicable.

Port Load Chart

The maximum standard axle loads permitted on Station Pier are shown in the following table. (Tonnes are metric tonnes). Refer to Attachment 2 for Station Pier Location Plan.

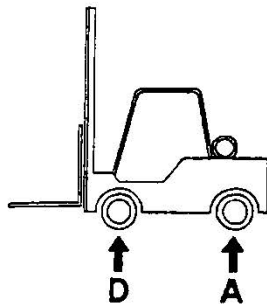
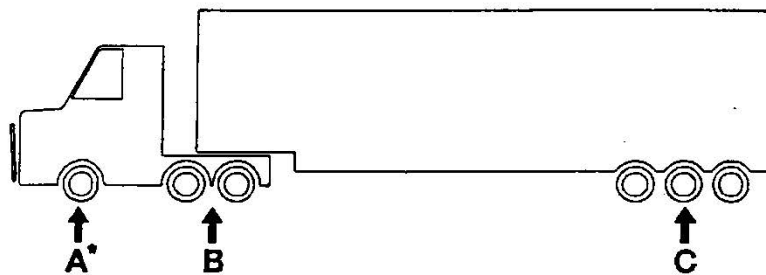
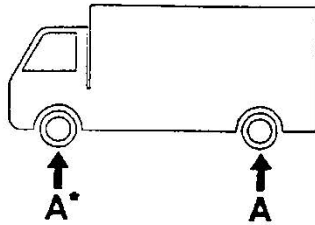
| Location | Col. A Single axle (t) | Col. B Tandem axle (t) | Col. C Tri-axle (t) | Col. D Forklift (t) | Col. E Spread loads (t/m ²) |
|---|------------------------------|------------------------------|---------------------------|---------------------------|---|
| Station Pier | | | | | |
| Southern Tip | 14 | 20 | 20 | 16 | 1 |
| Central Roadway | 9 | 16.5 | 20 | 9 | 1 |
| East of Station Pier | 14 | 20 | 20 | 16 | 1 |
| <i>Note 1</i> | | | | | |
| West of Station Pier | 14 | 20 | 20 | 16 | 1 |
| East Loading Ramp - #1 (Eastern) | 14 | 20 | 20 | 16 | 2 |
| East Loading Ramp - #2 (Western) | 8 | 16 | N/A | 8 | N/A |
| Centre Roadway Timber Verges (Car Parks) | 3 | 3 | 3 | NA | 0.5 |
| East Finger Pier | NA | NA | NA | NA | NA |
| Pedestrian Access Only | | | | | |
| West Finger Pier | NA | NA | NA | NA | NA |
| Pedestrian Access Only | | | | | |

Note 1: A section of deck at the northeast corner of Inner East Berth is limited to "Pedestrian Access Only" See Attachment 3

Note 2: This table MUST be read with the explanatory note given above. For any clarification, please contact Ports Victoria Assets & Infrastructure Department on (03) 8347 8357 during business hours.

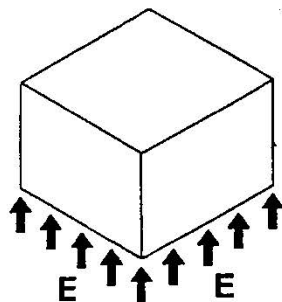
Attachment 1

Standard Loads Diagram



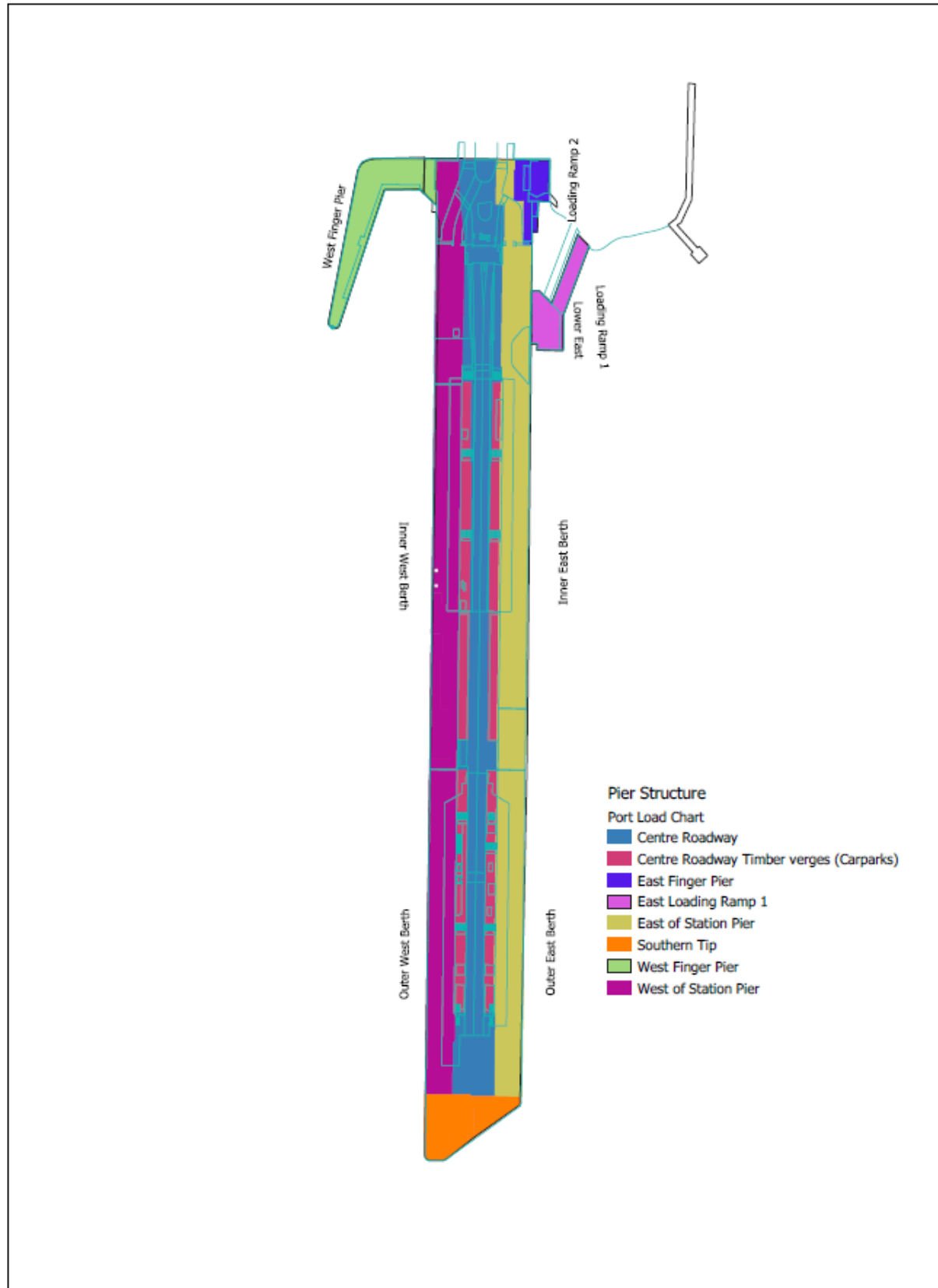
- A : SINGLE AXLE**
- B : TANDEM AXLE**
- C : TRI-AXLE**
- D : FORK LIFT**
- E : UNIFORM LOAD**

* : AXLES WITH ONLY 2 TYRES MAY
BE LIMITED - SEE NOTES.



Attachment 2

Station Pier Location Plan



| | | |
|---|---|--|
| PORTS VICTORIA Compiled By: SB Printed Date: 15-05-2024 | Station Pier - Port Load Chart Areas Project Location: G:\Asset Management\GIS Data\GIS Projects\Project 200-249\2214 | Disclaimer Notice: Ports Victoria gives no representation or warranty as to the accuracy, currency or completeness of the information it makes available. All liability is expressly disclaimed and excluded. |
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Attachment 3

Nort East corner of Inner East Berth shown in red.

North

