Pallet Specification Sheet

All dimensions in millimeters

Materials

Customer:

EXPRESS

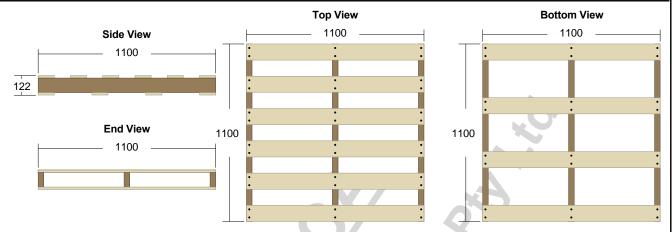
Prepared by:

Express Pallets & Crates Pty Ltd

PDS License: 790 Printed: April 06, 2022

Pallet ID: VP1100643HTSTD

Classification: 1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Components

Top Deck:

Style: Deckboard Type: New Lumber <u>Number</u> **Thickness**

<u>Width</u> <u>Length</u> 100 1100

Volume: 0.0106 cubic meters

Bottom Deck:

Style: Deckboard Type: New Lumber

Number **Thickness** Width **Length** 100 1100 16

Volume: 0.0070 cubic meters

Stringers:

Type: New Lumber

Width Height <u>Number</u> Length 3 35 90 1100

Volume: 0.0104 cubic meters

Fasteners:

57x3.06 Fastener ID:

Fastener Type: Helically Threaded Nail

Fastener Length: 57 Thread Length: 38 **Thread Diameter:** 3.4 Wire Diameter: 3.1

Head Diameter: 7.2 Flutes: 2 Helixes: 4.1 Pitch: 9.3 Thread Angle: 60 MIBANT Angle: 35

1.71 **Total Number:** 60

New Lumber:

FWC:

Lumber ID: Radiata Pine

Species Class Grade Chilean Radiata Pine Premium

Moisture Content (at manufacture and assembly): Green

Total New Lumber Volume: 0.0280 cubic meters

Spec Sheet Notes:

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PALLET DESIGN SYSTEM Version 5.4 Pallet Structural Analysis

Customer:

Prepared by:

EXPRESS

Express Pallets & Crates Pty Ltd

PDS License: 790 Printed: April 06, 2022

Pallet ID: VP1100643HTSTD

Classification: 1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

General Load Type: Uniformly Distributed - Full Pallet Coverage

Load Weight Variability: Medium

Service Environment: Dry Environment (EMC <= 19%)

Support Condition		Safe Maximum	Deflection at Maximum	User Specified Deflection	Load for Deflection	Critical Member or
Side View	End View	Load	Load	Limit	Limit	Connection
Warehous Stacked 1 Un	_	1398 kg	6 mm	6 mm	NA	Interior Top Deckboard



Pallet Design System (PDS) <u>Developed and owned by:</u> National Wooden Pallet and Container Association (NWPCA)

Research and development for early versions of PDS were conducted in cooperation with:
Center for Unit Load Design, Virginia Tech Department of Wood Science and Forest Products;
U.S.D.A. Forest Service and Forest Products Laboratory; APA - The Engineered Wood Association;
Software Technologies Laboratory, Virginia Tech Department of Industrial and Systems Engineering

The results from PDS are based on the NWPCA's continuing program of laboratory and field research. While the engineering outcomes reflected in the results are based on sound science, the quality of workmanship, the input data, and the conditions in which pallets are used may vary widely. Therefore, the Association cannot accept responsibility for pallet performance or design as actually constructed, and specifically disclaims any responsibility for such. Notwithstanding the history of the PDS system, users of the PDS system are strongly encouraged to undertake individual, unique analysis of the results as they then pertain to specific applications and the production process. Wood pallets manufactured to this PDS design are for the sole purpose of storing and/or transporting material. Under no circumstance should any person stand, step, or lean upon them or otherwise use them for support.

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PALLET DESIGN SYSTEM Version 5.4 Pallet Physical Property Analysis

Customer:

Prepared by:

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PDS License: 790 Printed: April 06, 2022

Pallet ID: VP1100643HTSTD

Classification: 1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

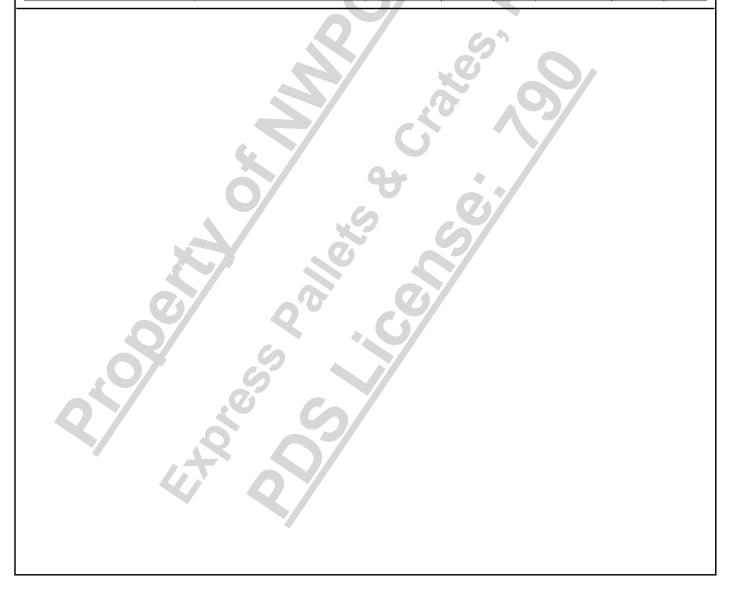
	At Manufacture	At 25% MC	At 19% MC	At 15% MC	At 12% MC
Average Pallet Weight	16 kg	14 kg	13 kg	13 kg	12 kg

Width Shrinkage

Thickness Shrinkage

Dimensional Change due to Wood Drying

Component	Original Dimension	Shrinkage from Manufacture to 19% MC	Shrinkage from Manufacture to 15% MC
Top Deckboards	16 mm Thickness	0.3 mm (+/- 0.1 mm)	0.4 mm (+/- 0.1 mm)
	100 mm Width	1.9 mm (+/- 0.5 mm)	2.7 mm (+/- 0.7 mm)
Stringers	90 mm Height	1.7 mm (+/- 0.4 mm)	2.4 mm (+/- 0.6 mm)
	35 mm Width	0.7 mm (+/- 0.2 mm)	1.0 mm (+/- 0.3 mm)
Bottom Deckboards	16 mm Thickness	0.3 mm (+/- 0.1 mm)	0.4 mm (+/- 0.1 mm)
	100 mm Width	1.9 mm (+/- 0.5 mm)	2.7 mm (+/- 0.7 mm)

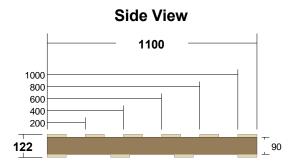


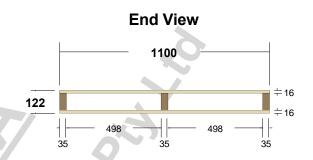
2-D Pallet Drawings

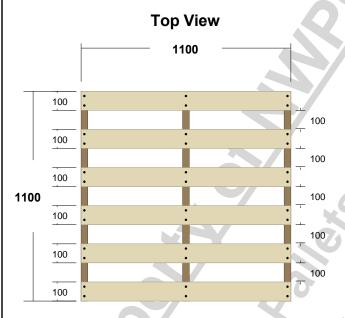
All dimensions in millimeters

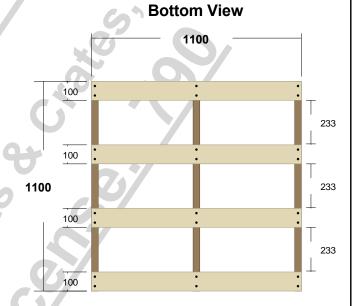
Pallet ID: VP1100643HTSTD

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Customer:

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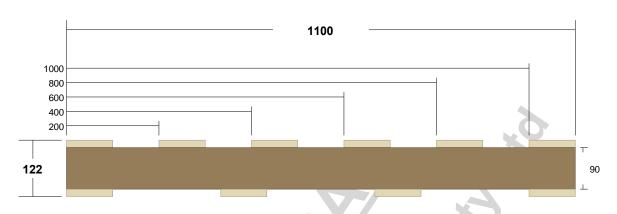
PALLET DESIGN SYSTEM Version 5.4 Pallet Drawing - Side and End View

All dimensions in millimeters

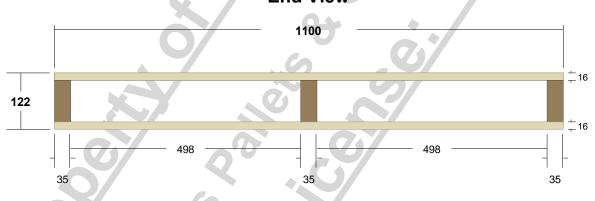
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Side View



End View



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Customer:

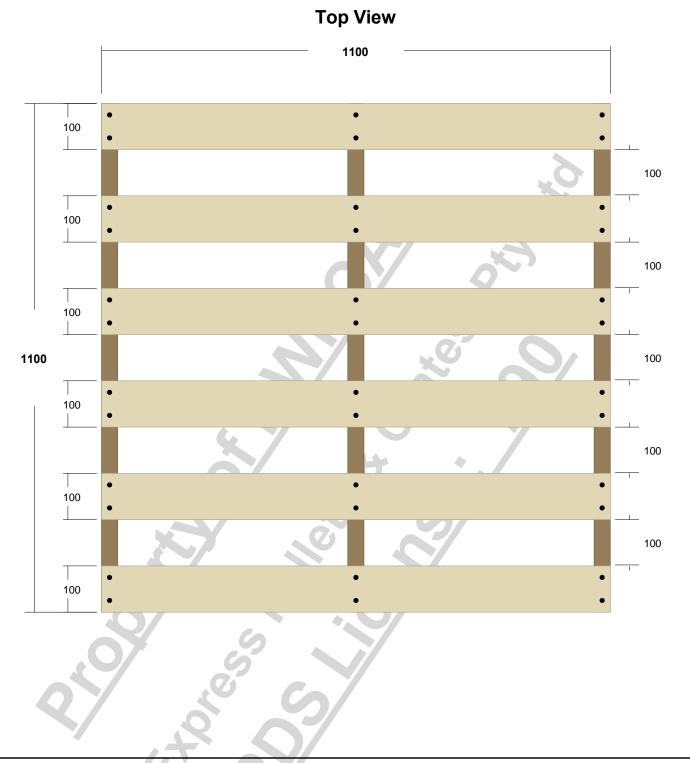
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Pallet Drawing - Top View

All dimensions in millimeters

Pallet ID: VP1100643HTSTD
Classification:1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Customer: EXPRESS

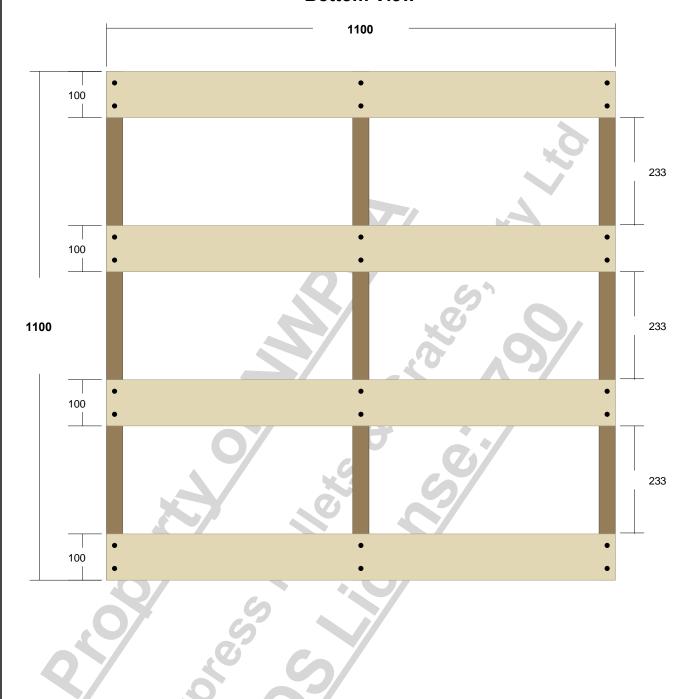
Prepared by:

Pallet Drawing - Bottom View

All dimensions in millimeters

Pallet ID: VP1100643HTSTD
Classification:1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

Bottom View



Customer: EXPRESS

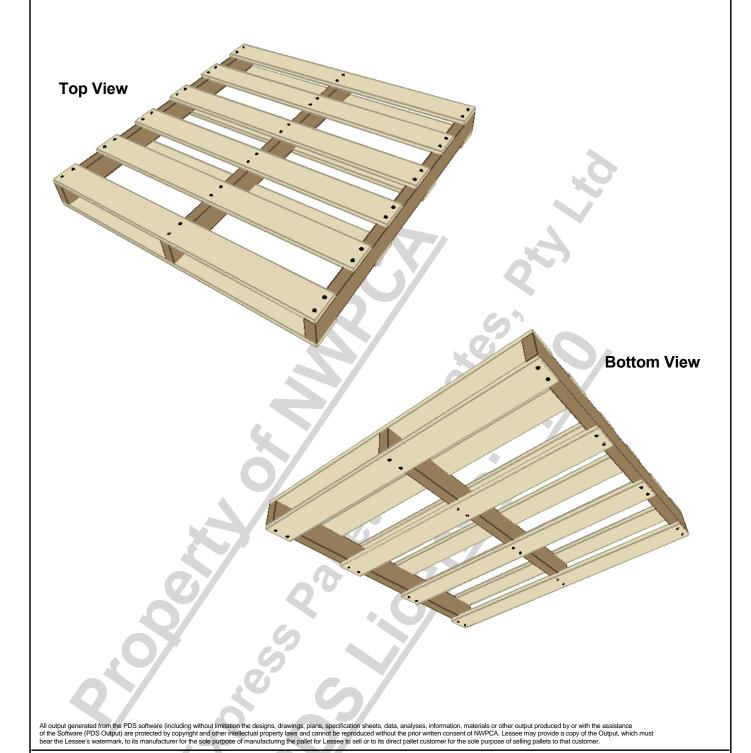
Prepared by:

3-D Pallet Drawings

All dimensions in millimeters

Pallet ID: VP1100643HTSTD

Classification: 1100 x 1100, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Customer:

EXPRESS

Prepared by: