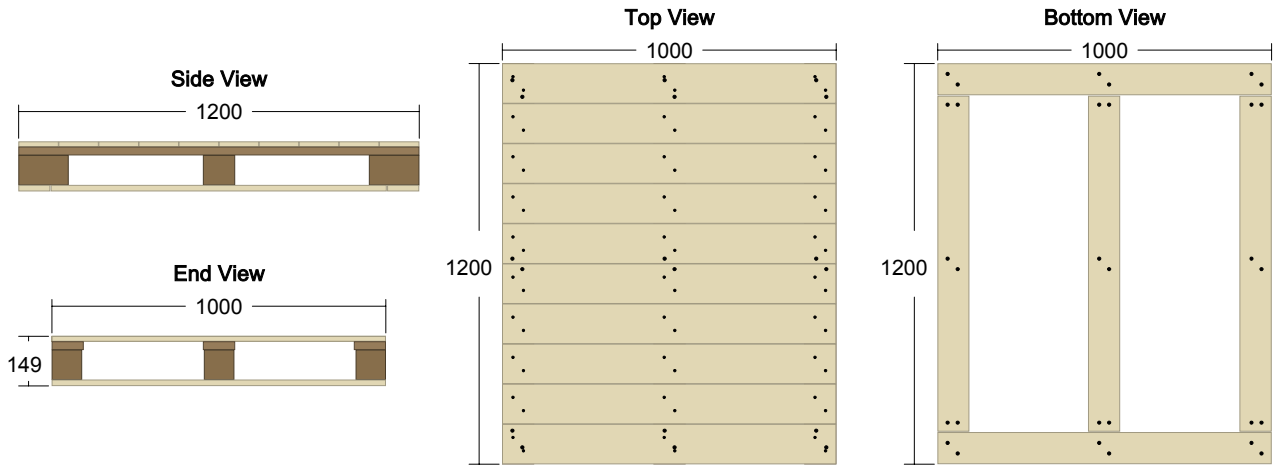


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Pallet ID: Dyna 2000Kg Pal 4WE

Classification: 1200 x 1000, Block-Class, Double-Face Non-Reversible, Full 4-Way, Multiple-Use, New Manufacture



Components

Materials

Top Deck:

Style: Deckboard/Stringerboard **Type:** New Lumber

Number	Thickness	Width	Length
10	16	120	1000

Volume: 0.0192 cubic meters

Mat Assembly Method

Bottom Deck:

Style: Perimeter Base **Type:** New Lumber

Number	Thickness	Width	Length
2	18	95	1000
3	18	95	1005

Volume: 0.0086 cubic meters

Top Stringerboards:

Type: New Lumber

Number	Thickness	Width	Length
3	25	95	1200

Volume: 0.0086 cubic meters

Blocks:

Type: Lumber **Grain Orientation:** Sidegrain Nailing

Number	Width	Height	Length
3	90	90	95
6	90	90	150

Volume: 0.0096 cubic meters

Fasteners:

	Mat Fast	TD Blk Fast	BD Blk Fast
Fastener ID:	2.5 x 55 Smooth	3.5 x 85 Ring	2.5 x 64 Ring
Fastener Type:	Plain	Annular	Annular
Fastener Length:	55	85	64
Thread Length:		70	50
Thread Diameter:		3.7	2.7
Wire Diameter:	2.5	3.5	2.5
Head Diameter:	6.0	7.5	6.0
Rings:		60	50
MIBANT Angle:	1	1	1
FWI:	22	63	54
FSI:	189	313	189
Total Number:	60	18	30

New Lumber:

Lumber ID:

Species Class	Grade
European Species Class 36	Standard & BTR

Moisture Content (at manufacture and assembly): Green

Total New Lumber Volume: 0.0459 cubic meters

Spec Sheet Notes:

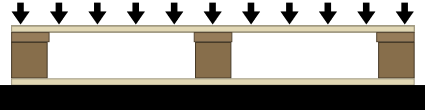
Pallet ID: Dyna 2000Kg Pal 4WE

Classification: 1200 x 1000, Block-Class, Double-Face Non-Reversible, Full 4-Way, Multiple-Use, New Manufacture

Unit Load Type: Uniformly Distributed - Full Pallet Coverage

Unit Load Weight Variability: Low

Service Environment: Wet Environment (EMC > 19%)

Support Condition	Safe Average Load	Deflection at Average Load	User Specified Deflection Limit	Average Load for Deflection Limit	Critical Member
<p>Stacked 1 Unit Load High</p> 	3005 kg	5 mm	----	----	Top Stringerboard

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In cooperation with:
 Pallet and Container Research Laboratory, 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 recommendations from PDS are based on the NWPCA's continuing program of laboratory and field research. They represent the best available engineering information compiled to date. However, 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. 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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Classification: 1200 x 1000, Block-Class, Double-Face Non-Reversible, Full 4-Way, Multiple-Use, New Manufacture

Average Pallet Weight	At Manufacture	At 25% MC	At 19% MC	At 15% MC	At 12% MC
	24 kg	20 kg	19 kg	18 kg	18 kg

Dimensional Change due to Wood Drying

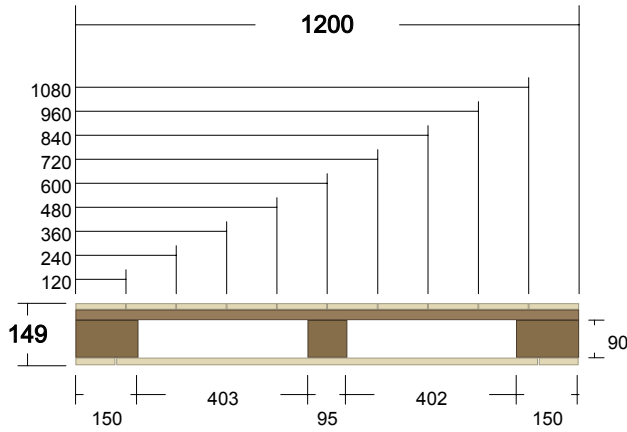


Component	Original Dimension	Shrinkage from Manufacture to 19% MC	Shrinkage from Manufacture to 15% MC
Top Deckboards	16 mm Thickness 120 mm Width	0.3 mm (+/- 0.1 mm) 2.3 mm (+/- 0.7 mm)	0.4 mm (+/- 0.1 mm) 3.3 mm (+/- 0.9 mm)
Top Stringerboards	25 mm Thickness 95 mm Width	0.5 mm (+/- 0.1 mm) 1.8 mm (+/- 0.5 mm)	0.7 mm (+/- 0.2 mm) 2.6 mm (+/- 0.7 mm)
Blocks	90 mm Height 90 mm Width	1.7 mm (+/- 0.5 mm) 1.7 mm (+/- 0.5 mm)	2.5 mm (+/- 0.7 mm) 2.5 mm (+/- 0.7 mm)
Bottom Deckboards	18 mm Thickness 95 mm Outer Board Width 95 mm Butted Board Width	0.3 mm (+/- 0.1 mm) 1.8 mm (+/- 0.5 mm) 1.8 mm (+/- 0.5 mm)	0.5 mm (+/- 0.1 mm) 2.6 mm (+/- 0.7 mm) 2.6 mm (+/- 0.7 mm)

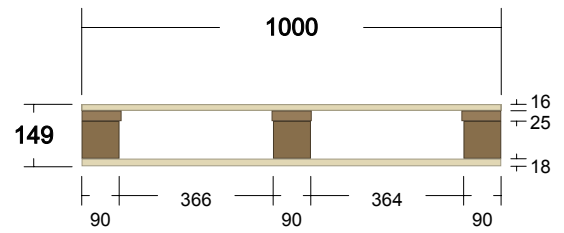
Pallet ID: Dyna 2000Kg Pal 4WE

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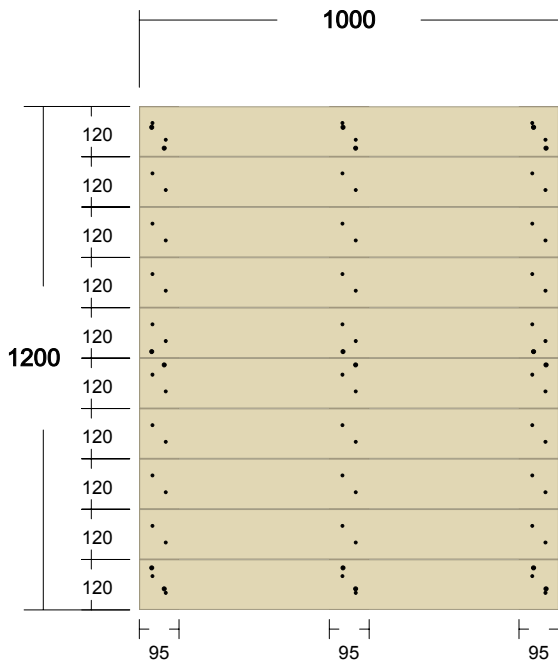
Side View



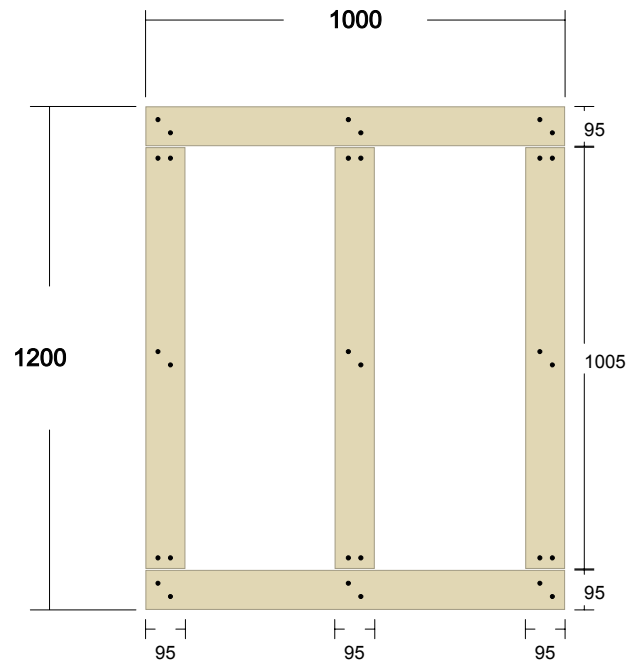
End View



Top View



Bottom View



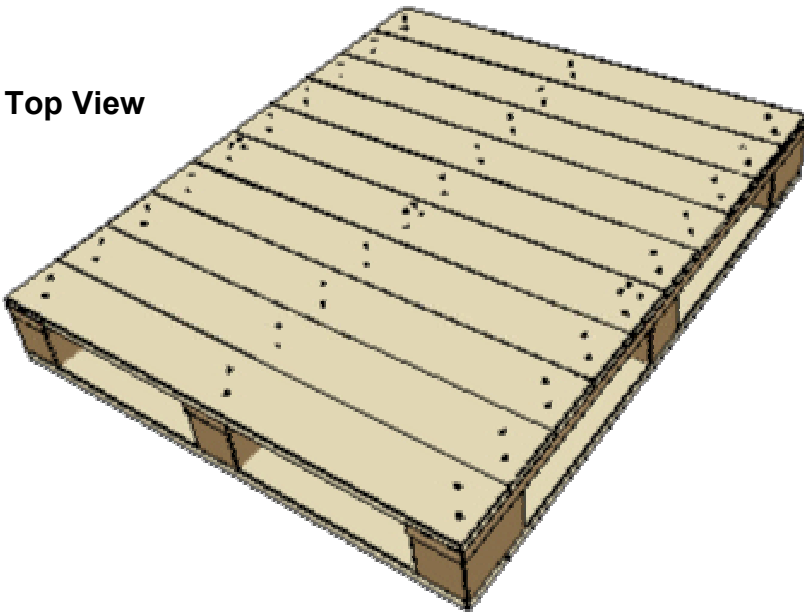
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PALLET DESIGN SYSTEM Version 4.1
3-D Pallet Drawings

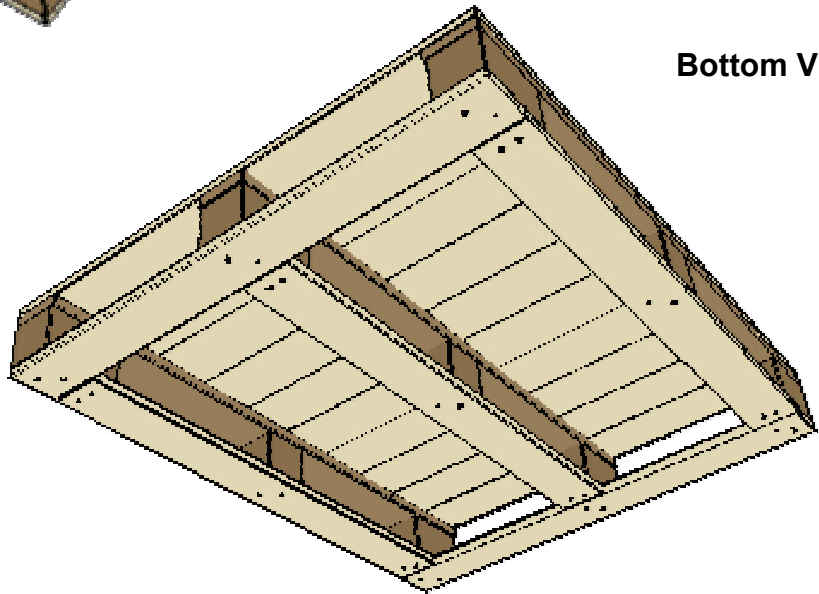
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Top View



Bottom View



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