ROBUSTDECK 2W-1210

HEAVY-DUTY SOLID STRINGER TWO-WAY ENTRY WOODEN PALLET

Doc ID: SPEC-2WP1210-V1
Class: Industrial Storage & Shipping

STANDARD SIZE	DYNAMIC LOAD	STATIC LOAD	ENTRY DESIGN
1200 × 1000 mm	2,500 kg	7,000 kg	2-Way Unnotched

PRODUCT OVERVIEW

The RobustDeck 2W-1210 is an unnotched two-way entry stringer pallet engineered for high structural integrity and heavy dynamic payloads. Constructed with continuous, solid hardwood side stringers (without weakening fork cutouts), this design provides maximum bending resistance and superior load capacity under heavy industrial stacking, high-density warehousing, and long-distance transport operations.

PALLET ARCHITECTURE & ENTRY DYNAMICS

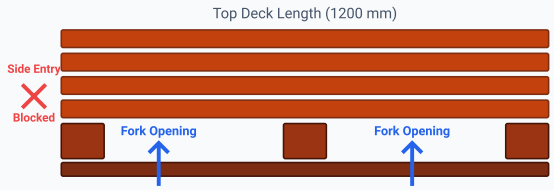


Figure 1: Solid Unnotched Stringer Construction (Front & Rear Fork Entry Only)

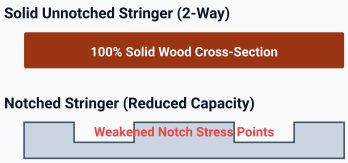


Figure 2: Beam Strength Comparison — Solid Unnotched Stringer vs. Notched Stringer

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION LIMIT	STANDARD COMPLIANCE / NOTES
External Footprint	1200 mm (L) × 1000 mm (W) × 140 mm (H)	ISO 6780 Standard Dimensions
Dynamic Load Capacity	2,500 kg (Uniformly Distributed Load)	Heavy industrial rating (ISO 8611)
Static Load Capacity	7,000 kg (Solid Floor Stacking)	Accommodates up to 4-tier high stacking
Racking Load Capacity	1,500 kg (Unsupported Beam Rack)	Superior load resistance along stringer axis
Timber Species Grade	Group I Hardwood (Oak / Birch / Hard Pine)	Kiln-dried to ≤ 16% moisture content
Stringer Dimensions	45 mm (W) × 90 mm (H) × 1200 mm (L)	3 Solid, unnotched continuous timber runners
Phytosanitary Certification	ISPM-15 Heat Treated (HT Stamp)	56°C core treatment for global export compliance
Nailing System	Helical Threaded Ring-Shank Drive Nails	Flush countersunk to prevent product snagging

KEY PRODUCT ADVANTAGES

Maximum Bending Resistance

Continuous unnotched stringer beams eliminate stress concentration points found in notched pallets, increasing flexural strength by up to 40%.

High-Density Load Support

Ideal for heavy liquid drums, metal castings, and dense bulk raw materials that demand rigid, non-deflecting deck support during transport.

Export Compliant Heat Treatment
Processed under strict ISPM-15 heat treatment standards, preventing pest infestation and ensuring smooth international customs clearance.

Cost-Effective Durability
Simpler structural design reduces manufacturing complexity while extending operational lifespan across heavy manufacturing workflows.

COMPONENT DIMENSIONAL BREAKDOWN

ELEMENT DESCRIPTION	DIMENSIONS (L × W × H)	QUANTITY PER UNIT
Top Lead Boards (Outer Edges)	1000 mm × 145 mm × 22 mm	2 Boards (Front & Back)
Top Intermediate Deckboards	1000 mm × 100 mm × 22 mm	5 Boards (Evenly Spaced)
Solid Side & Center Stringers	1200 mm × 45 mm × 90 mm	3 Continuous Solid Beams
Bottom Base Skids	1000 mm × 120 mm × 22 mm	4 Bottom Boards