

Purlin Hangers

CDPHD

Designed specifically for Agricultural and Post-frame use with superior performance and easy installation. All of the hangers offer multiple installation methods, giving users maximum flexibility. Double-shear and straight nailing options available. Placement tooth or placement nail options for simplified installation.

Product Data & Ordering Information:

Material	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
Coating	G90 (Z275) hot-dipped galvanized coating
Thickness	18ga (43mil), 0.0451" Design thickness, 0.0428" Minimum thickness
Dimensions	D1=1-9/16" D2=1-9/16" H=5-9/16" D=3-13/16"
Packaging	30 pcs/ctn
Product weight	0.82 lb/ea

Installation:

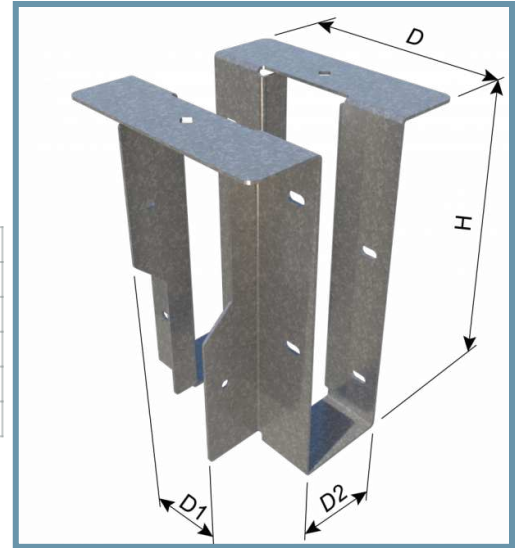
- Use all specified fasteners indicated in the table.
- 3" nails must be driven at a 45 degree angle through the purlin into the header. Combine with top and face nails to achieve the table loads.
- 1-1/2" nails must be driven into the purlin at 90 degrees. Combine with top and face nails to achieve the table loads.

Code Approvals & Performance Standards

- [ASTM A653](#) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- [ASTM A1003](#) Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).



Allowable Loads (lbs)
ASTM D7147 > 2015 Codes

Product Code	Overall Dimensions (in)		Load Type	Nailing	Common Nail Type Fasteners			Spruce Pine-Fir (0.42 Specific Gravity)				Douglas Fir-Larch (0.50 Specific Gravity)				Southern Pine (0.55 Specific Gravity)				
	Header Top Flange				Schedule	Size	Joist Qty.	Header Qty.	Load Duration Factor				Load Duration Factor				Load Duration Factor			
	TFW	TFB							1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60
CDPHD26	1	1-9/16 (3-1/4) [1-13/16]	Downward	Standard	2-10d x 1.5"	2-10d x 1.5"	4-10d x 1.5"	515	515	515	515	680	680	680	680	780	780	780	780	
				Enhanced			4-10d	825	825	825	825	1055	1055	1055	1055	1195	1195	1195	1195	
			Uplift	Standard			4-10d x 1.5"	200	230	230	230	235	265	265	265	255	290	290	290	290
				Enhanced			4-10d	470	470	470	470	545	545	545	545	585	585	585	585	

ASTM D1761 < 2015 Codes

Product Code	Overall Dimensions (in)		Load Type	Nailing	Common Nail Type Fasteners			Spruce Pine-Fir (0.42 Specific Gravity)				Douglas Fir-Larch (0.50 Specific Gravity)				Southern Pine (0.55 Specific Gravity)				
	Header Top Flange				Schedule	Size	Joist Qty.	Header Qty.	Load Duration Factor				Load Duration Factor				Load Duration Factor			
	TFW	TFB							1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60
CDPHD26	1	1-9/16 (3-1/4) [1-13/16]	Downward	Standard	2-10d x 1.5"	2-10d x 1.5"	4-10d x 1.5"	545	545	545	545	715	715	715	715	810	810	810	810	
				Enhanced			4-10d	890	890	890	890	1145	1145	1145	1145	1220	1305	1305	1305	
			Uplift	Standard			4-10d x 1.5"	200	235	255	270	235	270	295	315	255	295	320	335	
				Enhanced			4-10d	490	565	570	570	565	650	660	660	610	705	710	710	

Notes:

- 1 Nails: 10dx1.5" = 0.148"x1.5" nails driven at 90 degree and 10d = 0.148"x3.0" nails driven at 45 degree (see Double shear nailing view).
- 2 Tabulated allowable load capacities shall be selected based on duration of load as permitted by the applicable building code.