DOVETAIL FORMLOK® DECK-SLABWEDGE-NUT HANGING SOLUTIONS

HANG YOUR MECHANICAL SYSTEMS FROM DOVETAIL FORMLOK COMPOSITE DECK-SLABS

DOVETAIL FORMLOK WEDGE-NUTS

- IAPMO UES ER-423
- UL Listed

WEDGE-NUT HANGING LOAD¹⁻⁶

145 pcf NWC or ≥110 pcf LWC



		Connection Strength (lbs)		
Profile	Part Number	Nominal P _n	ASD P _n / Ω	LRFD øP _n
2.0D FormLok	2.0D-WN-3/8NC 2.0D-WN-1/2NC	3828	1392	2297
3.5D FormLok	3.5D-WN-3/8NC 3.5D-WN-1/2NC	5490	1996	3294



MAXIMUM SPRINKLER PIPE DIAMETER



	NPS ⁷		
Profile	Part Number	Diameter (in.)	UL No.
2.0D FormLok	2.0D-WN-3/8NC	4	EX27777
2.0D TOTTILOR	2.0D-WN-1/2NC	6	
3.5D FormLok	3.5D-WN-3/8NC	4	EX27777
3.3D FORTILOK	3.5D-WN-1/2NC	8	

Notes:

- 1. The concentrated hanging load shall not exceed the bending strength and vertical shear strength of the DoveTail FormLok Composite Deck-Slab.
- 2. Hanging load shall not exceed the strength of the threaded rod or bolt provided by others.
- 3. The hanging load shall be applied not more than 5 degrees from normal to the plane of the deck.
- 4. The allowable strength, P_n/Ω , shall be equal to or greater than the governing load combination for Allowable Stress Design in the IBC or ASCE/SEI 7.
- 5. The factored strength, $\emptyset P_n$, shall be equal to or greater than the governing load combination for Load and Resistance Factor Design in the IBC or ASCE/SEI 7.
- 6. Safety and resistance factors included in the table are $\Omega = 2.75$ (ASD) and $\emptyset = 0.60$ (LRFD) respectively.
- 7. NPS = Nominal Pipe Size



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DOVETAIL FORMLOK WEDGE-NUT INSTALLATION

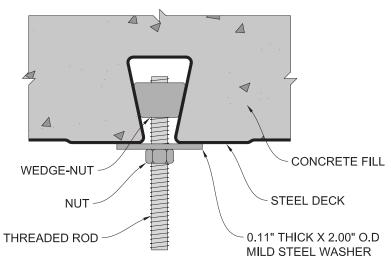


Figure 1

- 1. Deck ribs shall be free of foreign material to ensure the wedge-nut bears directly on the steel deck.
- 2. Insert wedge-nut and rotate to seat the surface against the webs of the steel deck as shown in Figure 1.
- 3. Position wedge-nut in the center of the rib with the threaded rod or bolt perpendicular to the bottom surface of the steel deck as show in Figure 1.
- 4. Tighten the 3/4" threaded rod or bolt 1 to 11/2 turns beyond snug tight.
- 5. Tighten the ½" threaded rod or bolt ½ to 1 turn beyond snug tight.

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