DOVETAIL FORMLOK® DECK-SLAB
WEDGE-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 LOAD[1-6]

145 pcf NWC or ≥110 pcf LWC **f'_c = 2500 psi (min.)**

Profile	Part Number	Connection Strength (lbs) Nominal P_n	ASD P_n/Ω	LRFD ϕP_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

Profile	Part Number	NPS[7] Diameter (in.)	UL No.
2.0D FormLok	2.0D-WN-3/8NC	4	EX27777
	2.0D-WN-1/2NC	6	
3.5D FormLok	3.5D-WN-3/8NC	4	EX27777
	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, ϕP_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 Ω = 2.75 (ASD) and ϕ = 0.60 (LRFD) respectively.
7. NPS = Nominal Pipe Size

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DOVETAIL FORMLOK WEDGE-NUT INSTALLATION

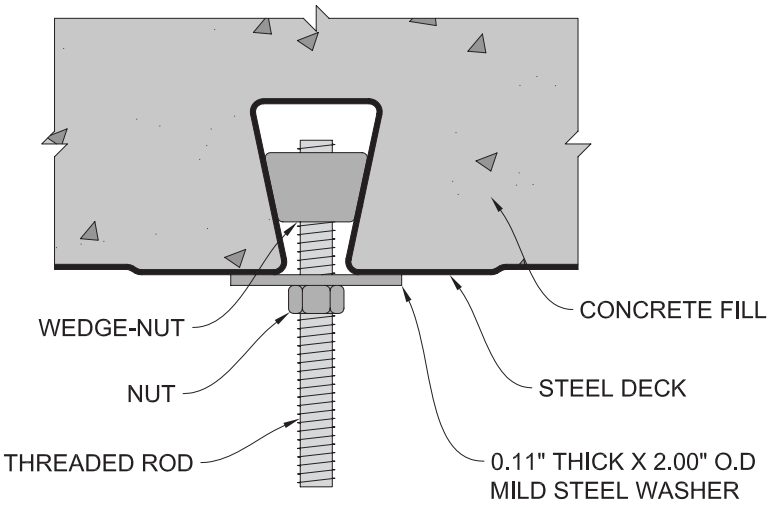

Figure 1

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 ⅜” threaded rod or bolt 1 to 1½ turns beyond snug tight.
5. Tighten the ½” threaded rod or bolt ½ to 1 turn beyond snug tight.