

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 LOAD¹⁻⁵

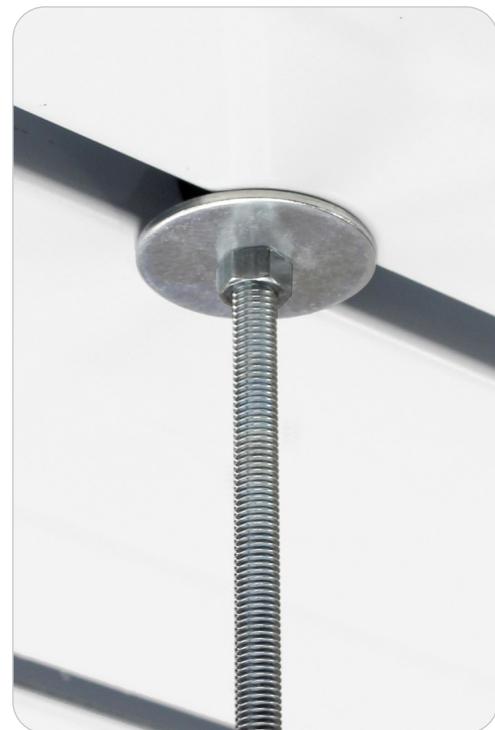
2325 kg/m³ NWC or ≥ 1760 kg/m³ LWC

$f'_c = 17.2 \text{ MPa (min.)}$



Connection Strength, LSD (ϕP_n)

Profile	Part Number	(kN)	(lbs)
2.0D FormLok	2.0D-WN-3/8NC	8.514	1914
	2.0D-WN-1/2NC		
3.5D FormLok	3.5D-WN-3/8NC	13.21	2970
	3.5D-WN-1/2NC		



MAXIMUM SPRINKLER PIPE DIAMETER



Profile	Part Number	NPS ⁶ Diameter (mm / in.)	UL No.
2.0D FormLok	2.0D-WN-3/8NC	100 / 4	EX27777
	2.0D-WN-1/2NC	150 / 6	
3.5D FormLok	3.5D-WN-3/8NC	100 / 4	EX27777
	3.5D-WN-1/2NC	200 / 8	

Notes:

1. The concentrated hanging load shall not exceed the bending strength and vertical shear strength of the FormLok Dovetail 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 factored strength, ϕP_n , shall be equal to or greater than the governing load combination for Limit States Design in the NBC.
5. Resistance factor included in the table is $\phi = 0.5$ (LSD).
6. NPS = Nominal Pipe Size

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DOVETAIL FORMLOK WEDGE-NUT INSTALLATION

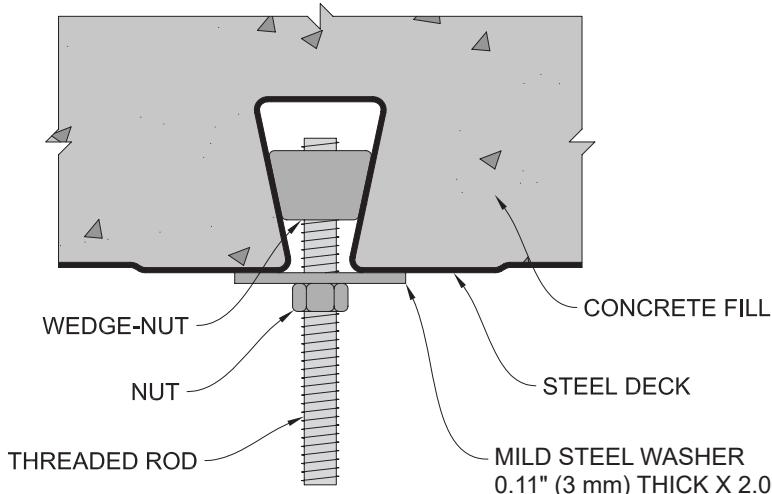


Figure 1

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 $\frac{3}{8}$ " threaded rod or bolt 1 to $1\frac{1}{2}$ turns beyond snug tight.
5. Tighten the $\frac{1}{2}$ " threaded rod or bolt $\frac{1}{2}$ to 1 turn beyond snug tight.

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