

VULCRAFT ROOF DECK SAMMY X-PRESS HANGING SOLUTIONS



HANG AND BRACE YOUR MECHANICAL SYSTEMS FROM VULCRAFT ROOF AND ACOUSTICAL ROOF DECK



ITW BUILDEX SAMMY X-PRESS CONNECTIONS

GR50/GR40 Material

SAMMY X-Press Type				Connection Strength, LSD (ϕP_n)			
Part Number	Model Number	Rod Size (in.)	Deck Gage	Solid		Perforated	
				(kN)	(lbs)	(kN)	(lbs)
8181922	XP 200	1/4	22	1.931/1.633	434/367	1.304/1.104	293/248
8150922	XP 20	3/8	20	2.345/1.985	527/446	1.584/1.339	356/301
8294922	SXP 20	3/8	19	2.737/2.318	615/521	1.851/1.566	416/352
8272957	SXP 2.0	1/2	18	3.106/2.626	698/590	2.096/1.776	471/399
8181922	XP 200	1/4	16	3.916/3.315	880/745	2.648/2.238	595/503
8295922	XP 35	3/8					
8295922	SXP 35	3/8					
8271957	SXP 3.5	1/2					

Notes:

- Sammy X-Press connectors may be installed in any flat portion of the bottom flange, web or top flange of Vulcraft Roof and Acoustical Roof Decks. Use GR50 connection strengths for SAMMY X-Press connectors installed in 1.5B and 3N decks. Use GR40 values for 2" and 3.5" Dovetail decks.
- Concentrated load shall not exceed the strength of the steel roof deck.
- XP 200, XP 20 and XP 35 connectors shall be installed and loaded perpendicular to the deck surface.
- The load may be applied to SXP 20, SXP 2.0, SXP 35 and SXP 3.5 connectors at any angle, θ , from 0 to 90 degrees, $0^\circ \leq \theta \leq 90^\circ$, relative to the axis of the base of the connector and at any angle, α , from 0 to 360 degrees, $0^\circ \leq \alpha \leq 360^\circ$, relative to the ribs of the steel deck as shown in Figure 1.
- The factored strength, ϕP_n , shall be equal to or greater than the governing load combination for Limit States Design as stipulated in the NBC.
- SAMMY X-Press connectors shall be installed per manufacturer's instructions.
- Resistance factors included in the table are $\phi = 0.50$ (solid) and $\phi = 0.45$ (perforated).

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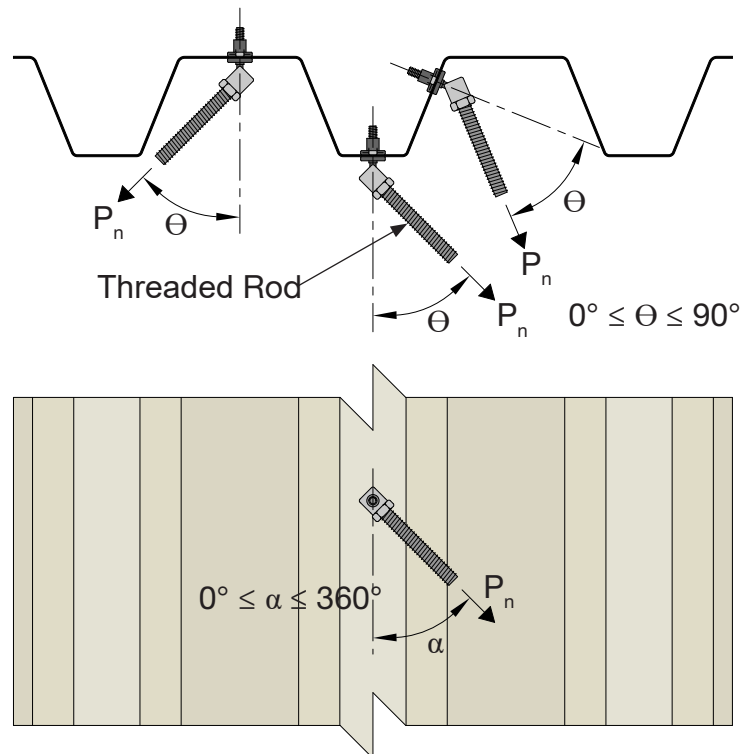


Figure 1



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