

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 CONNECTION STRENGTH (lbs)				GR50/GR40 Material			
SAMMY X-Press Type			Deck Gage	Solid		Perforated	
Part Number	Model Number	Rod Size (in.)		ASD P_n/Ω	LRFD ϕP_n	ASD P_n/Ω	LRFD ϕP_n
8181922	XP 200	1/4	22	328/277	521/441	229/194	359/303
8150922	XP 20	3/8	20	398/337	632/535	278/235	435/368
8294922	SXP 20	3/8	19	464/393	738/625	324/274	508/430
8272957	SXP 2.0	1/2	18	527/446	837/709	368/311	576/488
8181922	XP 200	1/4	16	664/562	1056/894	464/392	727/615
8295922	XP 35	3/8					
8295922	SXP 35	3/8					
8271957	SXP 3.5	1/2					

Notes:

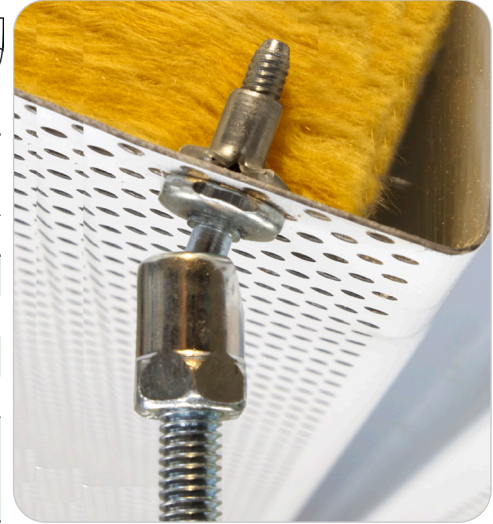
- Sammy X-Press connectors may be installed in any flat portion of the bottom flange, web or top flange of Vulcraft Roof and Acoustical Roof Decks. Use GR50 connection strengths for SAMMY X-Press connectors installed in 1.5B and 32" wide 3N decks. Use GR40 values for 2" and 3.5" deep Dovetail decks and 24" wide 3N decks.
- 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 allowable strength, P_n/Ω , shall be equal to or greater than the governing load combination for Allowable Stress Design (ASD) as stipulated in the IBC or ASCE/SEI 7.
- The design strength, ϕP_n , shall be equal to or greater than the governing load combination for Load and Resistance Factor Design as stipulated in the IBC or ASCE/SEI 7.
- SAMMY X-Press connectors shall be installed per manufacturer's instructions.
- Safety and resistance factors included in the table: For Solid: $\Omega = 2.65$ (ASD) $\phi = 0.60$ (LRFD)
For Perforated: $\Omega = 2.85$ (ASD) $\phi = 0.55$ (LRFD)

VULCRAFT ROOF DECK SAMMY X-PRESS HANGING SOLUTIONS

HANG SPRINKLER PIPES FROM VULCRAFT ROOF AND ACOUSTICAL ROOF DECK



MAXIMUM SPRINKLER PIPE SIZE			GR50/GR40 Material		
SAMMY X-Press Type					
Part Number	Model Number	Rod Size (in.)	Deck Gage	Solid (in.)	Perforated (in.)
8150922	XP 20	3/8	22	2½ / 2	2 / 1½
8294922	SXP 20	3/8	20	2½ / 2½	2 / 2
8272957	SXP 2.0	1/2	19	3 / 2½	2½ / 2
			18	3½ / 3	2½ / 2½
8295922	XP 35	3/8			
8295922	SXP 35	3/8	16	4 / 4	3½ / 3
8271957	SXP 3.5	1/2			



Notes:

1. Maximum fire sprinkler pipe size in accordance with NFPA 13.
2. GR50 pipe sizes apply to 1.5B and 32" wide 3N Roof and Acoustical Roof Decks. GR40 pipe sizes apply to 2" and 3.5" deep Dovetail decks and 24" wide 3N Roof and Acoustical Roof Decks.
3. 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.
4. SAMMY X-Press connectors shall be installed per manufacturer's instructions.

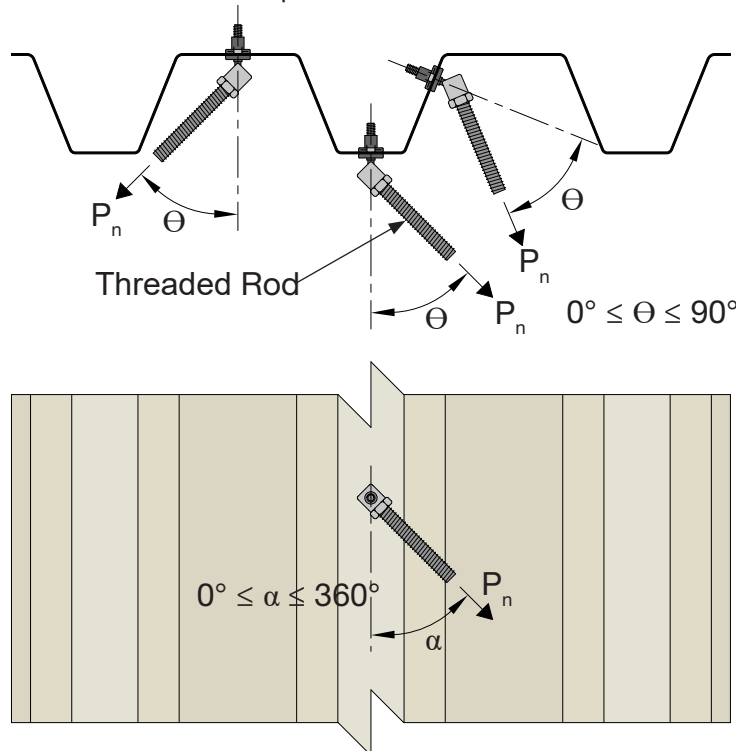


Figure 1

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