



# NEXSPAN2™ F SERIES

FOR PLATFORMS, FRAMES & BASES



**NexSpan2™ F Series** provides contractors the ability to build frames on site with ease. Designed with similar strength qualities as welded steel, the NexSpan2™ F Series is ideal for data centers, waste transfer stations, pipework support frames and heavy duty roof frames.



## KEY BENEFITS

- Similar loading properties to welded steel frames.
- No on-site welding needed.
- No need for heavy lifting equipment.
- Easy to level.
- Suited for installation in challenging environments.
- Assembled with impact driver or torque wrench only.
- Compact packaging allows for simple transport in the back of a van.
- Cost effective
- Slot design with T-bolt
- Made in the USA.

## APPLICATIONS

- For installing in challenging environments
- Data Centers
- Plant Rooms
- Waste Transfer Stations
- Pipework Support Frames
- Heavy Duty Roof Frames

## TECHNICAL DATA

**TABLE 1: NEXSPAN2™ H SERIES TECHNICAL DATA**

TUBE SIZE (in.)	t (in.)	t <sub>des</sub> (in.)	SLOT WIDTH (in.)	A (in <sup>2</sup> )	I (in <sup>4</sup> )	S (in <sup>3</sup> )
3.00	0.250	0.233	0.688	1.800	2.369	1.579
4.00	0.250	0.233	1.250	2.205	5.506	2.753
5.00	0.250	0.233	1.250	3.135	12.463	4.985

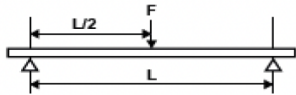
**TABLE 2: MAXIMUM ALLOWABLE LOAD (LBS)**

SPAN (in.)	HSS 3 x 3 x 1/4	HSS 4 x 4 x 1/4	HSS 5 x 5 x 1/4
36	2900	5000	9200
48	2100	3800	6900
60	1700	3000	5500
72	1400	2500	4600
84	1200	2100	3900
96	1000	1900	3400
108	700	1600	3000
120	600	1400	2700

ASTM A500 Gr C. Hot Dip Galvanized per ASTM A123. Slot Lengths are 2-9/16".



## TECHNICAL DATA

**TABLE 3: SQUARE WASHER INFO**

ROD DIAMETER	HOLE SIZE	WIDTH	THICKNESS
1/2"	11/16"	3"	3/8"
5/8"	13/16"	3"	3/8"
3/4"	15/16"	4"	1/2"
7/8"	1-1/16"	4"	1/2"
1"	1-1/4"	4"	1/2"

1. Load table is based on a simply supported beam with a concentrated load at the midspan and a minimum factor of safety of 3
2. Span is measured from the supports
3. Maximum rod size is Slot Width - 1/16"
4.  $\Delta < 360/L$  at mid-span
5. Maximum rod size is Slot Width - 1/16"
6. HSS 3x3x1/4 compatible with rods up to 5/8"
7. HSS 4x4x1/4 and HSS 5x5x1/4 compatible with rods up to 1"

## BEAM CONNECTOR CLAMP

