

# FIGURE 7203 & 7204

## BEAM CLAMPS



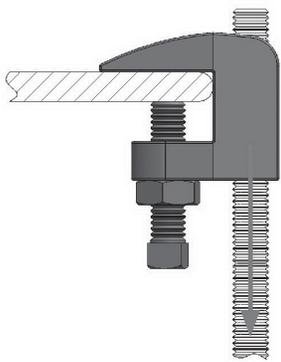
### MALLEABLE IRON BEAM CLAMPS

This instruction manual includes installation and proper use information for FNW figure 7203 and 7204 malleable iron beam clamps.

#### PROPER USE

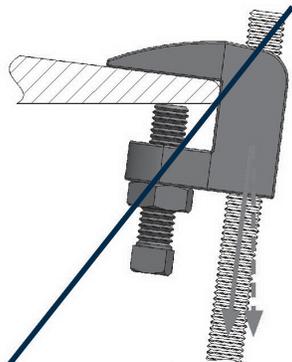
To avoid personal injury to yourself, fellow workers, or damage to property from improper use:

- Verify beam clamps are used within listed load and temperature limits (see load charts, page 2).
- Only install beam clamps with loads in line with threaded rod (supplied by others).
- Do not install beam clamps with loads at angles to threaded rod or by bending threaded rod as stresses can be transmitted unpredictably to the clamp.
- Reverse installation of beam clamps is not allowed. \*3/8" only size acceptable for reverse installation (max load 200 lbs).
- Only use hardware (i.e. Clamp, Set Screw, and Hex Nut) supplied in this kit. **Use of third party hardware will void any warranty with FNW.**
- Do not overtighten set screw beyond what is outlined in these instructions. Overtightening can reduce load capacity up to and including failure of the beam clamp.



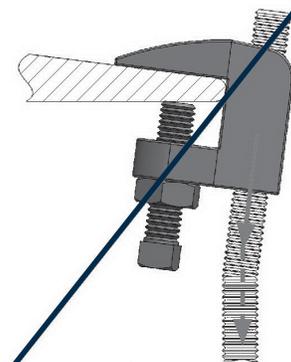
**YES**

Proper installation with load in line with threaded rod.



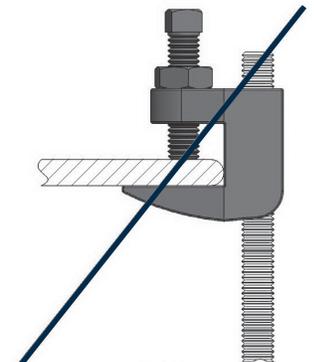
**NO**

Improper installation with load at angle to threaded rod.



**NO**

Improper installation with bent threaded rod.



**NO**

Improper installation with beam clamp in reverse direction. \*3/8" only size acceptable for reverse installation (max load 200 lbs).

#### INSTALLATION

The FNW figure 7203 and 7204 beam clamp can be installed with, or without, a torque wrench.

##### With Torque Wrench

- Place clamp, without load, onto beam.
- Tighten the set screw to 5.0 ft-lbs (60 in-lbs).
- Tighten the hex nut to lock the set screw in place.

##### Without Torque Wrench

- Place clamp, without load, onto beam.
- Tighten the screw set to finger tight.
- Using a wrench, continue tightening the set screw an additional 1/4 to 1/3 turn.
- Tighten the hex nut to lock the set screw in place.

**DO NOT OVERTIGHTEN THE SET SCREW.**

# FIGURE 7203 & 7204

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#### LOAD & TEMPERATURE CAPACITIES

The FNW figure 7203 and 7204 brochure list their maximum load capabilities when used within the standard temperature range of 5°F to 212°F. Extended temperature range of -22°F through 5°F and 212°F through 482°F is permitted at the reduced load capacity of 60% maximum (i.e. extended temperature ranges reduce maximum load capacity by 40%). The chart below lists standard and reduced capacity load capabilities depending on temperature.

Figure Number	Rod Size	Maximum Pipe Size Recommended	Maximum Recommended Load (Lbs.)		Recommended Load (Lbs.) Per Temperature Range	
			Regular Installation (Top Mount)	Reverse Installation (Bottom Mount)	5°F – 212°F	-22°F – 5°F or 212°F – 482°F
7203	3/8"	4"	560	200	400	240
	1/2"	8"	810	Not Allowed	500	300
	5/8"	8"	1000	Not Allowed	600	360
	3/4"	8"	1500	Not Allowed	800	480
7204	3/8"	4"	560	Not Allowed	400	240
	1/2"	8"	810	Not Allowed	500	300
	5/8"	5"	1000	Not Allowed	850	510
	3/4"	6"	1500	Not Allowed	900	540

#### WARRANTY

1. **LIMITED WARRANTY:** Subject to the limitations expressed herein, Seller warrants that products manufactured by Seller shall be free from defects in design, material and workmanship under normal use for a period of one (1) year from installation but in no case shall the warranty period extend longer than eighteen months from the date of sale. This warranty is void for any damage caused by misuse, abuse, neglect, acts of God, or improper installation. For the purpose of this section, "Normal Use" means in strict accordance with the installation, operation and maintenance manual. The warranty for all other products is provided by the original equipment manufacturer.

2. **REMEDIES:** Seller shall repair or replace, at its option, any non-conforming or otherwise defective product, upon receipt of notice from Buyer during the Manufacturer's warranty period at no additional charge. SELLER HEREBY DISCLAIMS ALL OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OR FITNESS FOR A PARTICULAR PURPOSE.

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