



DESIGNATOR	MASS*		DIMENSIONS*							
	lb/ft	kg/m	A		B		C		D	
PFP42a	2.0	2.98	1 1/4	31.8	2 1/2	63.5	1 1/4	32.5	9/16	15.4
PFP42b	2.5	3.72	1 5/16	33	2 1/2	63.5	1 1/4	32.5	9/16	15.4

* ±5%

CANADIAN U-CHANNEL POSTS

NUCOR
 BAR MILL GROUP
 NUCOR STEEL MARION, INC.

PFP42a-b

SHEET NO.	DATE:
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SPECIFICATIONS

Posts shall be a uniform, modified, flanged channel section - of the Nucor Steel Marion Inc Canadian Posts shall be fabricated from hot rolled carbon steel bars conforming to the requirements of Nucor Steel Marion Inc. Grade SP-80. Yield point of the steel shall be 552 MPa minimum. The cast heat analysis of the steel shall conform to the following requirements:

<u>Element</u>	<u>Composition (%)</u>
Carbon	0.67 - 0.82
Manganese	0.70 - 1.10
Phosphorus (max)	0.04
Sulphur (max)	0.05
Silicon	0.10 - 0.25

Posts shall be machine straightened to have a smooth uniform finish, free from defects affecting their strength, durability, or appearance. All holes and rough edges shall be free from burrs. The permissible tolerance for straightness shall be 1/4 [6.35] in 60 [1524]. Posts shall be punched with continuous 3/8 [9.5] diameter holes on 1 [25.4] centers for the entire length of the post. The first hole shall be 1 [25.4] from the top of the post. After fabrication, posts shall be polyester powder coated or galvanized. Galvanizing shall be in accordance with the requirements of ASTM A123.

Post Designator	Area (in ² mm ²)	I _x (in ⁴ mm ⁴ x 10 ³)	I _y (in ⁴ mm ⁴ x 10 ³)	S _x (in ³ mm ³)	S _y (in ³ mm ³)
a	0.56 [361]	0.105 [43.7]	0.277 [115.3]	0.158 [2589]	0.222 [3638]
b	0.66 [426]	0.137 [57]	0.342 [142.4]	0.196 [3212]	0.274 [4490]

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices. All section properties are calculated based with a 3/8 [9.5] hole.

INTENDED USE

The Canadian U-channel posts are used in the Direct Burial U-Post system (SSF40) and Canadian Lap Splice Spacer Bar system (SSP14).

CONTACT INFORMATION

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** All Nucor Steel Marion Inc. products are produced from 100% recycled steel.*



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