

NUCOR

NUCOR STEEL MARION, INC.

912 CHENEY AVE, MARION, OH 43302

Phone: (740) 383-4011 Fax: (740) 383-9680

www.nucorhighway.com

POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 110 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 3

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W												
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7		
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	10	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1	10.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	9	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	8	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	8.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	7.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
3	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

v2011.12



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**POST WINDLOAD
 CAPACITY TABLE
 SIZES: 2.03#, 2.47#**

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009
 Basic Wind Speed (3-sec gust) = 120 mph
 Recurrence Interval = 10 years
 Fy = 55,000 psi
 Number of Posts = 3

W = Sign Panel Width (ft)
 H = Sign Panel Height (ft)
 U = Max Under-Panel Clearance to Ground (ft)

H	U	W													
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	10	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1	10.5	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1	11	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1	11.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	9.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	10	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2	9	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2.5	8	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3	7	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
3	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A
 GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH,
 AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 130 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 3

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W										
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	9.5	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	10	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	8	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	7	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 140 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 3

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W									
		2	2.5	3	3.5	4	4.5	5	5.5		
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	
1	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1	8.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	
1	9	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	
1	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	
1.5	7	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	
1.5	7.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	
1.5	8	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	
1.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	
2	7	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	
2	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	
2	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	
2.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 150 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 3

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W						
		2	2.5	3	3.5	4	4.5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	
1	7.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	
1	8	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	
1	8.5	2.47 lbs/ft	---	---	---	---	---	
1.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	7.5	2.47 lbs/ft	---	---	---	---	---	
1.5	8	2.47 lbs/ft	---	---	---	---	---	
2	7	2.47 lbs/ft	---	---	---	---	---	



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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