

# 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) = 85 mph  
 Recurrence Interval = 10 years  
 Fy = 55,000 psi  
 Number of Posts = 1

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

H	U	W							4
		1	1.5	2	2.5	3	3.5		
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	---	
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 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	---	---	---	
1	9	2.03 lbs/ft	2.03 lbs/ft	2.03 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	---	---	---	
1	10	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	10.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	11	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1	11.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1	12	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	7	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	2.47 lbs/ft	---	---	---	---	
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	10	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	10.5	2.47 lbs/ft	---	---	---	---	---	---	
1.5	11	2.47 lbs/ft	---	---	---	---	---	---	
1.5	11.5	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	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
2	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
2	9	2.03 lbs/ft	---	---	---	---	---	---	
2	9.5	2.47 lbs/ft	---	---	---	---	---	---	
2	10	2.47 lbs/ft	---	---	---	---	---	---	
2	10.5	2.47 lbs/ft	---	---	---	---	---	---	
2.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
2.5	7.5	2.03 lbs/ft	---	---	---	---	---	---	
2.5	8	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	---	---	---	---	---	---	
3	7.5	2.47 lbs/ft	---	---	---	---	---	---	
3	8	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) = 90 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 1

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

H	U	W						
		1	1.5	2	2.5	3	3.5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 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	---	---	
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 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	---	---	
1	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	10	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	10.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	11	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	11.5	2.47 lbs/ft	---	---	---	---	---	
1	12	2.47 lbs/ft	---	---	---	---	---	
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	10	2.47 lbs/ft	---	---	---	---	---	
1.5	10.5	2.47 lbs/ft	---	---	---	---	---	
1.5	11	2.47 lbs/ft	---	---	---	---	---	
2	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
2	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
2	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
2	8.5	2.47 lbs/ft	---	---	---	---	---	
2	9	2.47 lbs/ft	---	---	---	---	---	
2	9.5	2.47 lbs/ft	---	---	---	---	---	
2.5	7	2.03 lbs/ft	---	---	---	---	---	
2.5	7.5	2.47 lbs/ft	---	---	---	---	---	
2.5	8	2.47 lbs/ft	---	---	---	---	---	
2.5	8.5	2.47 lbs/ft	---	---	---	---	---	
3	7	2.47 lbs/ft	---	---	---	---	---	
3	7.5	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) = 100 mph  
 Recurrence Interval = 10 years  
 Fy = 55,000 psi  
 Number of Posts = 1

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

H	U	W					
		1	1.5	2	2.5	3	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	10	2.47 lbs/ft	---	---	---	---	
1	10.5	2.47 lbs/ft	---	---	---	---	
1	11	2.47 lbs/ft	---	---	---	---	
1.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	8.5	2.47 lbs/ft	---	---	---	---	
1.5	9	2.47 lbs/ft	---	---	---	---	
1.5	9.5	2.47 lbs/ft	---	---	---	---	
2	7	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) = 110 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 1

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

H	U	W					
		1	1.5	2	2.5	3	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9	2.47 lbs/ft	---	---	---	---	
1	9.5	2.47 lbs/ft	---	---	---	---	
1.5	7	2.03 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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## 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 = 1

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

H	U	W					
		1	1.5	2	2.5	3	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	
1	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	9.5	2.47 lbs/ft	---	---	---	---	
1	10	2.47 lbs/ft	---	---	---	---	
1.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1.5	8	2.47 lbs/ft	---	---	---	---	
1.5	8.5	2.47 lbs/ft	---	---	---	---	
2	7	2.47 lbs/ft	---	---	---	---	
2	7.5	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 = 1

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

H	U	W					
		1	1.5	2	2.5	3	
1	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	
1	8.5	2.47 lbs/ft	---	---	---	---	
1	9	2.47 lbs/ft	---	---	---	---	
1.5	7	2.47 lbs/ft	---	---	---	---	
1.5	7.5	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 = 1

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

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

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

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

H	U	W					
		1	1.5	2	2.5	3	
1	7	2.47 lbs/ft	---	---	---	---	
1	7.5	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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