













**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: 1.75#, 2.00#, 2.50#, 3.00#, 4.00#**

Rib-Bak 175-400 Sign Post Selection Table, AASHTO 2009  
 Basic Wind Speed (3-sec gust) = 100 mph  
 Recurrence Interval = 10 years  
 Fy = 80,000 psi  
 Number of Posts = 2

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	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	
6	11.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	12	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7	1.75 lbs/ft	3.00 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9.5	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	12	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	7	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	7.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	8	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	8.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	9	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	9.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	10	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	10.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	11	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	11.5	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	7	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	7.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	8	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	8.5	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	9	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	9.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	10	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	10.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	11	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7.5	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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





**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: 1.75#, 2.00#, 2.50#, 3.00#, 4.00#**

Rib-Bak 175-400 Sign Post Selection Table, AASHTO 2009  
 Basic Wind Speed (3-sec gust) = 110 mph  
 Recurrence Interval = 10 years  
 Fy = 80,000 psi  
 Number of Posts = 2

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	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12		
6	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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







**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: 1.75#, 2.00#, 2.50#, 3.00#, 4.00#**

Rib-Bak 175-400 Sign Post Selection Table, AASHTO 2009  
 Basic Wind Speed (3-sec gust) = 120 mph  
 Recurrence Interval = 10 years  
 Fy = 80,000 psi  
 Number of Posts = 2

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	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	
6	11.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	12	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7.5	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8.5	2.50 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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





**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: 1.75#, 2.00#, 2.50#, 3.00#, 4.00#**

Rib-Bak 175-400 Sign Post Selection Table, AASHTO 2009  
 Basic Wind Speed (3-sec gust) = 130 mph  
 Recurrence Interval = 10 years  
 Fy = 80,000 psi  
 Number of Posts = 2

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	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12		
6	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7	2.50 lbs/ft	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	7.5	3.00 lbs/ft	4.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	8.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	9.5	3.00 lbs/ft	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	10.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	11.5	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6.5	12	4.00 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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



