



GRATING PACIFIC

STEEL BAR GRATING STAIR TREADS

TABLE OF STAIR TREAD WIDTHS - STANDARD 1-1/4" WIDE NOSING

19 Space			15 Space			11 Space			8 Space			7 Space		
Bearing Bars @ 1-3/16" O.C.			Bearing Bars @ 15/16" O.C.			Bearing Bars @ 11/16" O.C.			Bearing Bars @ 1/2" O.C.			Bearing Bars @ 7/16" O.C.		
Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension
6-1/4"	5	2-1/2"	7"	7	4-1/2"	6-1/4"	8	2-1/2"	6-1/2"	11	2-1/2"	6-3/4"	13	2-1/2"
7-3/8"	6	4-1/2"	8"	8	4-1/2"	7-5/8"	10	4-1/2"	7-1/2"	13	4-1/2"	7-5/8"	15	4-1/2"
8-1/2"	7	4-1/2"	8-7/8"	9	4-1/2"	9"	12	4-1/2"	9"	16	4-1/2"	8-1/2"	17	4-1/2"
9-3/4"	8	7"	9-7/8"	10	7"	10-3/8"	14	7"	10"	18	7"	10-1/8"	21	7"
11"	9	7"	10-3/4"	11	7"	11"	15	7"	11"	20	7"	11-1/8"	23	7"
12-1/8"	10	7"	11-5/8"	12	7"	11-3/4"	16	7"	12"	22	7"	12"	25	7"

TABLE OF STAIR TREAD WIDTHS - OPTIONAL 2" WIDE NOSING

19 Space			15 Space			11 Space			8 Space			7 Space		
Bearing Bars @ 1-3/16" O.C.			Bearing Bars @ 15/16" O.C.			Bearing Bars @ 11/16" O.C.			Bearing Bars @ 1/2" O.C.			Bearing Bars @ 7/16" O.C.		
Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension	Nominal Tread Width	Number of Bearing Bars	Standard "A" Dimension
6-15/16"	5	4-1/2"	7-13/16"	7	4-1/2"	7"	8	4-1/2"	7-3/16"	11	4-1/2"	7-7/8"	14	4-1/2"
8-1/8"	6	4-1/2"	8-3/4"	8	4-1/2"	8-3/8"	10	4-1/2"	8-3/16"	13	4-1/2"	8-3/4"	16	4-1/2"
9-5/16"	7	7"	9-11/16"	9	7"	9-3/4"	12	7"	9-3/16"	15	7"	9-5/8"	18	7"
10-1/2"	8	7"	10-5/8"	10	7"	11-1/8"	14	7"	10-3/16"	17	7"	10-1/2"	20	7"
11-11/16"	9	7"	11-9/16"	11	7"	11-13/16"	15	7"	11-3/16"	19	7"	11-3/8"	22	7"
12-7/8"	10	7"	12-1/2"	12	7"	12-1/2"	16	7"	12-3/16"	21	7"	12-1/4"	24	7"

RECOMMENDED MAXIMUM STEEL STAIR TREAD LENGTHS*

Bearing Bar Size	19 Space		15 Space		11 Space		8 Space		7 Space	
	1-3/16" O.C.		15/16" O.C.		11/16" O.C.		1/2" O.C.		7/16" O.C.	
	Plain	Serrated	Plain	Serrated	Plain	Serrated	Plain	Serrated	Plain	Serrated
3/4" x 3/16"	2'-4"	—	2'-8"	—	3'-1"	—	3'-7"	—	3'-10"	—
1" x 3/16"	3'-5"	2'-10"	4'-0"	3'-4"	4'-3"	3'-9"	4'-9"	4'-1"	5'-2"	4'-5"
1-1/4" x 3/16"	4'-8"	4'-2"	5'-1"	4'-6"	5'-6"	4'-10"	5'-6"	5'-5"	5'-6"	5'-6"
1-1/2" x 3/16"	5'-6"	5'-3"	5'-6"	5'-6"	5'-6"	5'-6"	5'-8"	5'-6"	5'-10"	5'-5"
1-3/4" x 3/16"	5'-6"	5'-6"	5'-8"	5'-6"	5'-11"	5'-7"	6'-6"	6'-1"	6'-9"	6'-4"
2" x 3/16"	5'-11"	5'-7"	6'-4"	6'-0"	6'-9"	6'-4"	7'-5"	6'-11"	7'-8"	7'-3"
2-1/4" x 3/16"	6'-8"	6'-3"	7'-1"	6'-9"	7'-7"	7'-2"	8'-3"	7'-10"	8'-7"	8'-2"
2-1/2" x 3/16"	7'-4"	7'-0"	7'-11"	7'-6"	8'-4"	7'-11"	9'-2"	8'-9"	9'-6"	9'-1"

* For treads up to 5'-6", maximum tread lengths are based upon 300 lb. concentrated load on the front 5 inches of the tread, at the center of the tread length. When treads exceed 5'-6" in length, design allows for 300 lb. concentrated loads at 1/3 points of tread length. Deflection is limited to the lesser of .250" or 1/240 of tread length in all cases.