

ASTA DOOR CORPORATION 400 SERIES WINDLOAD - CLEARANCE REQUIREMENTS

Reference Chart - Standard Guide Type, Headplate Size and Endlocks

WIDTH (FT)		HEIGHT (FT) →																			
Up To	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	
3'	3 x 3	3 x 4	3 x 5	3 x 6	3 x 7	3 x 8															
4'	4 x 3	4 x 4	4 x 5	4 x 6	4 x 7	4 x 8	4 x 9	4 x 10													
5'	5 x 3	5 x 4	5 x 5	5 x 6	5 x 7	5 x 8	5 x 9	5 x 10	5 x 11	5 x 12											
6'	6 x 3	6 x 4	6 x 5	6 x 6	6 x 7	6 x 8	6 x 9	6 x 10	6 x 11	6 x 12	6 x 13										
7'	7 x 3	7 x 4	7 x 5	7 x 6	7 x 7	7 x 8	7 x 9	7 x 10	7 x 11	7 x 12	7 x 13	7 x 14									
8'	8 x 3	8 x 4	8 x 5	8 x 6	8 x 7	8 x 8	8 x 9	8 x 10	8 x 11	8 x 12	8 x 13	8 x 14	8 x 15	8 x 16							
9'	9 x 3	9 x 4	9 x 5	9 x 6	9 x 7	9 x 8	9 x 9	9 x 10	9 x 11	9 x 12	9 x 13	9 x 14	9 x 15	9 x 16	9 x 17	9 x 18					
10'	10 x 3	10 x 4	10 x 5	10 x 6	10 x 7	10 x 8	10 x 9	10 x 10	10 x 11	10 x 12	10 x 13	10 x 14	10 x 15	10 x 16	10 x 17	10 x 18	10 x 19	10 x 20			
11'	11 x 3	11 x 4	11 x 5	11 x 6	11 x 7	11 x 8	11 x 9	11 x 10	11 x 11	11 x 12	11 x 13	11 x 14	11 x 15	11 x 16	11 x 17	11 x 18	11 x 19	11 x 20	11 x 21	11 x 22	
12'	12 x 3	12 x 4	12 x 5	12 x 6	12 x 7	12 x 8	12 x 9	12 x 10	12 x 11	12 x 12	12 x 13	12 x 14	12 x 15	12 x 16	12 x 17	12 x 18	12 x 19	12 x 20	12 x 21	12 x 22	
13'	13 x 3	13 x 4	13 x 5	13 x 6	13 x 7	13 x 8	13 x 9	13 x 10	13 x 11	13 x 12	13 x 13	13 x 14	13 x 15	13 x 16	13 x 17	13 x 18	13 x 19	13 x 20	13 x 21	13 x 22	
14'	14 x 3	14 x 4	14 x 5	14 x 6	14 x 7	14 x 8	14 x 9	14 x 10	14 x 11	14 x 12	14 x 13	14 x 14	14 x 15	14 x 16	14 x 17	14 x 18	14 x 19	14 x 20	14 x 21	14 x 22	
15'	15 x 3	15 x 4	15 x 5	15 x 6	15 x 7	15 x 8	15 x 9	15 x 10	15 x 11	15 x 12	15 x 13	15 x 14	15 x 15	15 x 16	15 x 17	15 x 18	15 x 19	15 x 20	15 x 21	15 x 22	
16'	16 x 3	16 x 4	16 x 5	16 x 6	16 x 7	16 x 8	16 x 9	16 x 10	16 x 11	16 x 12	16 x 13	16 x 14	16 x 15	16 x 16	16 x 17	16 x 18	16 x 19	16 x 20	16 x 21	16 x 22	
17'	17 x 3	17 x 4	17 x 5	17 x 6	17 x 7	17 x 8	17 x 9	17 x 10	17 x 11	17 x 12	17 x 13	17 x 14	17 x 15	17 x 16	17 x 17	17 x 18	17 x 19	17 x 20	17 x 21	17 x 22	
18'	18 x 3	18 x 4	18 x 5	18 x 6	18 x 7	18 x 8	18 x 9	18 x 10	18 x 11	18 x 12	18 x 13	18 x 14	18 x 15	18 x 16	18 x 17	18 x 18	18 x 19	18 x 20	18 x 21	18 x 22	
19'	19 x 3	19 x 4	19 x 5	19 x 6	19 x 7	19 x 8	19 x 9	19 x 10	19 x 11	19 x 12	19 x 13	19 x 14	19 x 15	19 x 16	19 x 17	19 x 18	19 x 19	19 x 20	19 x 21	19 x 22	
20'	20 x 3	20 x 4	20 x 5	20 x 6	20 x 7	20 x 8	20 x 9	20 x 10	20 x 11	20 x 12	20 x 13	20 x 14	20 x 15	20 x 16	20 x 17	20 x 18	20 x 19	20 x 20	20 x 21	20 x 22	
21'	21 x 3	21 x 4	21 x 5	21 x 6	21 x 7	21 x 8	21 x 9	21 x 10	21 x 11	21 x 12	21 x 13	21 x 14	21 x 15	21 x 16	21 x 17	21 x 18	21 x 19	21 x 20	21 x 21	21 x 22	
22'	22 x 3	22 x 4	22 x 5	22 x 6	22 x 7	22 x 8	22 x 9	22 x 10	22 x 11	22 x 12	22 x 13	22 x 14	22 x 15	22 x 16	22 x 17	22 x 18	22 x 19	22 x 20	22 x 21	22 x 22	
23'	23 x 3	23 x 4	23 x 5	23 x 6	23 x 7	23 x 8	23 x 9	23 x 10	23 x 11	23 x 12	23 x 13	23 x 14	23 x 15	23 x 16	23 x 17	23 x 18	23 x 19	23 x 20	23 x 21	23 x 22	
24'	24 x 3	24 x 4	24 x 5	24 x 6	24 x 7	24 x 8	24 x 9	24 x 10	24 x 11	24 x 12	24 x 13	24 x 14	24 x 15	24 x 16	24 x 17	24 x 18	24 x 19	24 x 20	24 x 21	24 x 22	
25'	25 x 3	25 x 4	25 x 5	25 x 6	25 x 7	25 x 8	25 x 9	25 x 10	25 x 11	25 x 12	25 x 13	25 x 14	25 x 15	25 x 16	25 x 17	25 x 18	25 x 19	25 x 20	25 x 21	25 x 22	
26'	26 x 3	26 x 4	26 x 5	26 x 6	26 x 7	26 x 8	26 x 9	26 x 10	26 x 11	26 x 12	26 x 13	26 x 14	26 x 15	26 x 16	26 x 17	25 x 18	26 x 19	26 x 20	26 x 21	26 x 22	
27'	27 x 3	27 x 4	27 x 5	27 x 6	27 x 7	27 x 8	27 x 9	27 x 10	27 x 11	27 x 12	27 x 13	27 x 14	27 x 15	27 x 16	27 x 17	27 x 18	27 x 19	27 x 20	27 x 21	27 x 22	
28'	28 x 3	28 x 4	28 x 5	28 x 6	28 x 7	28 x 8	28 x 9	28 x 10	28 x 11	28 x 12	28 x 13	28 x 14	28 x 15	28 x 16	28 x 17	28 x 18	28 x 19	28 x 20	28 x 21	28 x 22	
29'	29 x 3	29 x 4	29 x 5	29 x 6	29 x 7	29 x 8	29 x 9	29 x 10	29 x 11	29 x 12	29 x 13	29 x 14	29 x 15	29 x 16	29 x 17	29 x 18	29 x 19	29 x 20	29 x 21	29 x 22	
30'	30 x 3	30 x 4	30 x 5	30 x 6	30 x 7	30 x 8	30 x 9	30 x 10	30 x 11	30 x 12	30 x 13	30 x 14	30 x 15	30 x 16	30 x 17	30 x 18	30 x 19	30 x 20	30 x 21	30 x 22	
31'	31 x 3	31 x 4	31 x 5	31 x 6	31 x 7	31 x 8	31 x 9	31 x 10	31 x 11	31 x 12	31 x 13	31 x 14	31 x 15	31 x 16	31 x 17	31 x 18	31 x 19	31 x 20	31 x 21	31 x 32	
32'	32 x 3	32 x 4	32 x 5	32 x 6	32 x 7	32 x 8	32 x 9	32 x 10	32 x 11	32 x 12	32 x 13	32 x 14	32 x 15	32 x 16	32 x 17	32 x 18	32 x 19	32 x 20	32 x 21	32 x 22	
33'	33 x 3	33 x 4	33 x 5	33 x 6	33 x 7	33 x 8	33 x 9	33 x 10	33 x 11	33 x 12	33 x 13	33 x 14	33 x 15	33 x 16	33 x 17	33 x 18	33 x 19	33 x 20	33 x 21	33 x 22	
34'	34 x 3	34 x 4	34 x 5	34 x 6	34 x 7	34 x 8	34 x 9	34 x 10	34 x 11	34 x 12	34 x 13	34 x 14	34 x 15	34 x 16	34 x 17	34 x 18	34 x 19	34 x 20	34 x 21	34 x 22	
35'	35 x 3	35 x 4	35 x 5	35 x 6	35 x 7	35 x 8	35 x 9	35 x 10	35 x 11	35 x 12	35 x 13	35 x 14	35 x 15	35 x 16	35 x 17	35 x 18	35 x 19	35 x 20			
36'	36 x 3	36 x 4	36 x 5	36 x 6	36 x 7	36 x 8	36 x 9	36 x 10	36 x 11	36 x 12	36 x 13	36 x 14	36 x 15	36 x 16	36 x 17	36 x 18					
37'	37 x 3	37 x 4	37 x 5	37 x 6	37 x 7	37 x 8	37 x 9	37 x 10	37 x 11	37 x 12	37 x 13	37 x 14	37 x 15	37 x 16							
38'	38 x 3	38 x 4	38 x 5	38 x 6	38 x 8	38 x 8	38 x 9	38 x 10	38 x 11	38 x 12	38 x 13	38 x 14	38 x 15	38 x 16							
39'	39 x 3	39 x 4	39 x 5	39 x 6	39 x 7	39 x 8	39 x 9	39 x 10	39 x 11	39 x 12	39 x 13	39 x 14									
40'	40 x 3	40 x 4	40 x 5	40 x 6	40 x 7	40 x 8	40 x 9	40 x 10	40 x 11	40 x 12	40 x 13	40 x 14									

HEADROOM DIMENSIONS					
14" HEAD PLATES	16" HEAD PLATES	18" HEAD PLATES	22" HEAD PLATES	26" HEAD PLATES	30" HEAD PLATES
X = 20"	X = 22"	X = 24"	X = 28"	X = 33"	X = 37"
V = 15"	V = 17"	V = 19"	V = 23"	V = 29"	V = 33"

GUIDE TYPE - HEADPLATE SIZE - ENDLOCK TYPE
TYPE 5 WL CERTIFIED - 14" HP - MALLEABLE WINDLOCKS
TYPE 5 WL CERTIFIED - 16" HP - MALLEABLE WINDLOCKS
TYPE 5 WL CERTIFIED - 18" HP - MALLEABLE WINDLOCKS
TYPE 5 WL CERTIFIED - 22" HP - MALLEABLE WINDLOCKS
TYPE 5IM WL CERTIFIED - 22" HP - MALLEABLE WINDLOCKS
TYPE 6 WL CERTIFIED - 26" HP - MALLEABLE WINDLOCKS
CONSULT ENGINEERING

NOTES:

- 1) ALL SIZES UP TO 11' WIDE INCLUDE TYPE 5M CERTIFIED GUIDES AS STANDARD.
- 2) ALL SIZES 21' HIGH UP TO 30' HIGH INCLUDE TYPE 5IM CERTIFIED GUIDES AS STANDARD.
- 3) WINDLOAD DESIGN PSF VARIES BY SIZE & MODEL - REFERENCE WINDLOAD REPORTS AND DRAWINGS.
- 4) TRANSITION FOR HEADPLATE SIZE BY HEIGHT APPLIED TO DOORS WITH WINDLOCK UPGRADE NOT NECESSARILY WINDLOAD CERTIFIED.

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Reference Chart - Standard Guide Type, Headplate Size and Endlocks

WIDTH (FT)		HEIGHT (FT) →																
Up To	23'	24'	25'	26'	27'	28'	29'	30'	31'	32'	33'	34'	35'	36'	37'	38'	39'	40'
12'	12 x 23	12 x 24																
13'	13 x 23	13 x 24																
14'	14 x 23	14 x 24	14 x 25	14 x 26	14 x 27	14 x 28												
15'	15 x 23	15 x 24	15 x 25	15 x 26	15 x 27	15 x 28												
16'	16 x 23	16 x 24	16 x 25	16 x 26	16 x 27	16 x 28	16 x 29	16 x 30										
17'	17 x 23	17 x 24	17 x 25	17 x 26	17 x 27	17 x 28	17 x 29	17 x 30										
18'	18 x 23	18 x 24	18 x 25	18 x 26	18 x 27	18 x 28	18 x 29	18 x 30										
19'	19 x 23	19 x 24	19 x 25	19 x 26	19 x 27	19 x 28	19 x 29	19 x 30										
20'	20 x 23	20 x 24	20 x 25	20 x 26	20 x 27	20 x 28	20 x 29	20 x 30										
21'	21 x 23	21 x 24	21 x 25	21 x 26	21 x 27	21 x 28	21 x 29	21 x 30										
22'	22 x 23	22 x 24	22 x 25	22 x 26	22 x 27	22 x 28	22 x 29	22 x 30										
23'	23 x 23	23 x 24	23 x 25	23 x 26	23 x 27	23 x 28	23 x 29	23 x 30										
24'	24 x 23	24 x 24	24 x 25	24 x 26	24 x 27	24 x 28	24 x 29	24 x 30										
25'	25 x 23	25 x 24	25 x 25	25 x 26	25 x 27	25 x 28	25 x 29	25 x 30										
26'	26 x 23	26 x 24	26 x 25	26 x 26	26 x 27	26 x 28	26 x 29	26 x 30										
27'	27 x 23	27 x 24	27 x 25	27 x 26	27 x 27	27 x 28	27 x 29	27 x 30										
28'	28 x 23	28 x 24	28 x 25	28 x 26	28 x 27	28 x 28	28 x 29	28 x 30										
29'	29 x 23	29 x 24	29 x 25	29 x 26	29 x 27	29 x 28	29 x 29	29 x 30										
30'	30 x 23	30 x 24	30 x 25	30 x 26	30 x 27	30 x 28	30 x 29	30 x 30										
31'	31 x 23	31 x 24	31 x 25	31 x 26	31 x 27	31 x 28												
32'	32 x 23	32 x 24	32 x 25	32 x 26														
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37'																		
38'																		
39'																		
40'																		

HEADROOM DIMENSIONS					
14" HEAD PLATES	16" HEAD PLATES	18" HEAD PLATES	22" HEAD PLATES	26" HEAD PLATES	30" HEAD PLATES
X = 20"	X = 22"	X = 24"	X = 28"	X = 33"	X = 37"
V = 15"	V = 17"	V = 19"	V = 23"	V = 29"	V = 33"

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