

## Clear Opening and Egress

Rev: 10/18/16

Egress Requirements	Min. Width	Min. Height	Min. Sq.Ft.
United States	20"	24"	5.70
Canada	15"	15"	3.77

Size	BS	Rough Opening		Net Size		Clear Opening		Clear Opening Sq. Ft.	Egress Compliance		Glass Size - Vent		Glass Size - Fixed		Total Visible Glass Sq. Ft.
		Width	Height	Width	Height	Width	Height		U.S.	Canada	Width	Height	Width	Height	
1 0 2 0	12	12	24	11 1/2	23 1/2	9	8 3/8	0.52	-	-	7 3/16	8 5/8	10	10 3/16	0.90
1 0 2 6	15	12	30	11 1/2	29 1/2	9	11 3/8	0.71	-	-	7 3/16	11 5/8	10	13 3/16	1.22
1 0 3 0	18	12	36	11 1/2	35 1/2	9	14 3/8	0.90	-	-	7 3/16	14 5/8	10	16 3/16	1.53
1 0 3 6	21	12	42	11 1/2	41 1/2	9	17 3/8	1.09	-	-	7 3/16	17 5/8	10	19 3/16	1.85
1 0 4 0	24	12	48	11 1/2	47 1/2	9	20 3/8	1.27	-	-	7 3/16	20 5/8	10	22 3/16	2.17
1 0 5 0	30	12	60	11 1/2	59 1/2	9	26 3/8	1.65	-	-	7 3/16	26 5/8	10	28 3/16	2.80
1 6 2 0	12	18	24	17 1/2	23 1/2	15	8 3/8	0.87	-	-	13 3/16	8 5/8	16	10 3/16	1.60
1 6 2 6	15	18	30	17 1/2	29 1/2	15	11 3/8	1.18	-	-	13 3/16	11 5/8	16	13 3/16	2.17
1 6 3 0	18	18	36	17 1/2	35 1/2	15	14 3/8	1.50	-	-	13 3/16	14 5/8	16	16 3/16	2.74
1 6 3 6	21	18	42	17 1/2	41 1/2	15	17 3/8	1.81	-	-	13 3/16	17 5/8	16	19 3/16	3.30
1 6 4 0	24	18	48	17 1/2	47 1/2	15	20 3/8	2.12	-	-	13 3/16	20 5/8	16	22 3/16	3.87
1 6 4 6	27	18	54	17 1/2	53 1/2	15	23 3/8	2.43	-	-	13 3/16	23 5/8	16	25 3/16	4.43
1 6 5 0	30	18	60	17 1/2	59 1/2	15	26 3/8	2.75	-	-	13 3/16	26 5/8	16	28 3/16	5.00
1 6 5 6	33	18	66	17 1/2	65 1/2	15	29 3/8	3.06	-	-	13 3/16	29 5/8	16	31 3/16	5.57
1 6 6 0	36	18	72	17 1/2	71 1/2	15	32 3/8	3.37	-	-	13 3/16	32 5/8	16	34 3/16	6.13
2 0 2 0	12	24	24	23 1/2	23 1/2	21	8 3/8	1.22	-	-	19 3/16	8 5/8	22	10 3/16	2.30
2 0 2 6	15	24	30	23 1/2	29 1/2	21	11 3/8	1.66	-	-	19 3/16	11 5/8	22	13 3/16	3.12
2 0 3 0	18	24	36	23 1/2	35 1/2	21	14 3/8	2.10	-	-	19 3/16	14 5/8	22	16 3/16	3.94
2 0 3 6	21	24	42	23 1/2	41 1/2	21	17 3/8	2.53	-	-	19 3/16	17 5/8	22	19 3/16	4.75
2 0 4 0	24	24	48	23 1/2	47 1/2	21	20 3/8	2.97	-	-	19 3/16	20 5/8	22	22 3/16	5.57
2 0 4 6	27	24	54	23 1/2	53 1/2	21	23 3/8	3.41	-	-	19 3/16	23 5/8	22	25 3/16	6.38
2 0 5 0	30	24	60	23 1/2	59 1/2	21	26 3/8	3.85	-	Y	19 3/16	26 5/8	22	28 3/16	7.20
2 0 5 6	33	24	66	23 1/2	65 1/2	21	29 3/8	4.28	-	Y	19 3/16	29 5/8	22	31 3/16	8.02
2 0 6 0	36	24	72	23 1/2	71 1/2	21	32 3/8	4.72	-	Y	19 3/16	32 5/8	22	34 3/16	8.83
2 6 2 6	15	30	30	29 1/2	29 1/2	27	11 3/8	2.13	-	-	25 3/16	11 5/8	28	13 3/16	4.07
2 6 3 0	18	30	36	29 1/2	35 1/2	27	14 3/8	2.70	-	-	25 3/16	14 5/8	28	16 3/16	5.14
2 6 3 6	21	30	42	29 1/2	41 1/2	27	17 3/8	3.26	-	-	25 3/16	17 5/8	28	19 3/16	6.20
2 6 4 0	24	30	48	29 1/2	47 1/2	27	20 3/8	3.82	-	Y	25 3/16	20 5/8	28	22 3/16	7.27
2 6 4 6	27	30	54	29 1/2	53 1/2	27	23 3/8	4.38	-	Y	25 3/16	23 5/8	28	25 3/16	8.34
2 6 5 0	30	30	60	29 1/2	59 1/2	27	26 3/8	4.95	-	Y	25 3/16	26 5/8	28	28 3/16	9.40
2 6 5 6	33	30	66	29 1/2	65 1/2	27	29 3/8	5.51	-	Y	25 3/16	29 5/8	28	31 3/16	10.47
2 6 6 0	36	30	72	29 1/2	71 1/2	27	32 3/8	6.07	Y	Y	25 3/16	32 5/8	28	34 3/16	11.53
3 0 2 6	15	36	30	35 1/2	29 1/2	33	11 3/8	2.61	-	-	31 3/16	11 5/8	34	13 3/16	5.02
3 0 3 0	18	36	36	35 1/2	35 1/2	33	14 3/8	3.29	-	-	31 3/16	14 5/8	34	16 3/16	6.34
3 0 3 6	21	36	42	35 1/2	41 1/2	33	17 3/8	3.98	-	Y	31 3/16	17 5/8	34	19 3/16	7.65
3 0 4 0	24	36	48	35 1/2	47 1/2	33	20 3/8	4.67	-	Y	31 3/16	20 5/8	34	22 3/16	8.97
3 0 4 6	27	36	54	35 1/2	53 1/2	33	23 3/8	5.36	-	Y	31 3/16	23 5/8	34	25 3/16	10.29
3 0 5 0	30	36	60	35 1/2	59 1/2	33	26 3/8	6.04	Y	Y	31 3/16	26 5/8	34	28 3/16	11.60
3 0 5 6	33	36	66	35 1/2	65 1/2	33	29 3/8	6.73	Y	Y	31 3/16	29 5/8	34	31 3/16	12.92
3 0 6 0	36	36	72	35 1/2	71 1/2	33	32 3/8	7.42	Y	Y	31 3/16	32 5/8	34	34 3/16	14.24
3 6 2 6	15	42	30	41 1/2	29 1/2	39	11 3/8	3.08	-	-	37 3/16	11 5/8	40	13 3/16	5.97
3 6 3 0	18	42	36	41 1/2	35 1/2	39	14 3/8	3.89	-	-	37 3/16	14 5/8	40	16 3/16	7.54
3 6 3 6	21	42	42	41 1/2	41 1/2	39	17 3/8	4.71	-	Y	37 3/16	17 5/8	40	19 3/16	9.10
3 6 4 0	24	42	48	41 1/2	47 1/2	39	20 3/8	5.52	-	Y	37 3/16	20 5/8	40	22 3/16	10.67
3 6 4 6	27	42	54	41 1/2	53 1/2	39	23 3/8	6.33	-	Y	37 3/16	23 5/8	40	25 3/16	12.24
3 6 5 0	30	42	60	41 1/2	59 1/2	39	26 3/8	7.14	Y	Y	37 3/16	26 5/8	40	28 3/16	13.80
3 6 5 6	33	42	66	41 1/2	65 1/2	39	29 3/8	7.96	Y	Y	37 3/16	29 5/8	40	31 3/16	15.37
3 6 6 0	36	42	72	41 1/2	71 1/2	39	32 3/8	8.77	Y	Y	37 3/16	32 5/8	40	34 3/16	16.94
4 0 2 6	15	48	30	47 1/2	29 1/2	45	11 3/8	3.55	-	-	43 3/16	11 5/8	46	13 3/16	6.92
4 0 3 0	18	48	36	47 1/2	35 1/2	45	14 3/8	4.49	-	-	43 3/16	14 5/8	46	16 3/16	8.74
4 0 3 6	21	48	42	47 1/2	41 1/2	45	17 3/8	5.43	-	Y	43 3/16	17 5/8	46	19 3/16	10.55
4 0 4 0	24	48	48	47 1/2	47 1/2	45	20 3/8	6.37	-	Y	43 3/16	20 5/8	46	22 3/16	12.37
4 0 4 6	27	48	54	47 1/2	53 1/2	45	23 3/8	7.30	-	Y	43 3/16	23 5/8	46	25 3/16	14.19
4 0 5 0	30	48	60	47 1/2	59 1/2	45	26 3/8	8.24	Y	Y	43 3/16	26 5/8	46	28 3/16	16.00
4 0 5 6	33	48	66	47 1/2	65 1/2	45	29 3/8	9.18	Y	Y	43 3/16	29 5/8	46	31 3/16	17.82
4 0 6 0	36	48	72	47 1/2	71 1/2	45	32 3/8	10.12	Y	Y	43 3/16	32 5/8	46	34 3/16	19.64

Clear Opening and Egress

Egress Requirements	Min. Width	Min. Height	Min. Sq.Ft.
United States	20"	24"	5.70
Canada	15"	15"	3.77

Size	BS	Rough Opening		Net Size		Clear Opening		Clear Opening Sq. Ft.	Egress Compliance		Glass Size - Vent		Glass Size - Fixed		Total Visible Glass Sq. Ft.
		Width	Height	Width	Height	Width	Height		U.S.	Canada	Width	Height	Width	Height	
3 <sup>0</sup> 2 <sup>6</sup>	15	36	30	35 1/2	29 1/2	15 1/4	11 3/8	1.20	-	-	13 7/16	11 5/8	16 1/4	13 3/16	4.42
3 <sup>0</sup> 3 <sup>0</sup>	18	36	36	35 1/2	35 1/2	15 1/4	14 3/8	1.52	-	-	13 7/16	14 5/8	16 1/4	16 3/16	5.57
3 <sup>0</sup> 3 <sup>6</sup>	21	36	42	35 1/2	41 1/2	15 1/4	17 3/8	1.84	-	-	13 7/16	17 5/8	16 1/4	19 3/16	6.72
3 <sup>0</sup> 4 <sup>0</sup>	24	36	48	35 1/2	47 1/2	15 1/4	20 3/8	2.16	-	-	13 7/16	20 5/8	16 1/4	22 3/16	7.88
3 <sup>0</sup> 4 <sup>6</sup>	27	36	54	35 1/2	53 1/2	15 1/4	23 3/8	2.48	-	-	13 7/16	23 5/8	16 1/4	25 3/16	9.03
3 <sup>0</sup> 5 <sup>0</sup>	30	36	60	35 1/2	59 1/2	15 1/4	26 3/8	2.79	-	-	13 7/16	26 5/8	16 1/4	28 3/16	10.19
3 <sup>0</sup> 6 <sup>0</sup>	36	36	72	35 1/2	71 1/2	15 1/4	32 3/8	3.43	-	-	13 7/16	32 5/8	16 1/4	34 3/16	12.49
4 <sup>0</sup> 2 <sup>6</sup>	15	48	30	47 1/2	29 1/2	21 1/4	11 3/8	1.68	-	-	19 7/16	11 5/8	22 1/4	13 3/16	6.32
4 <sup>0</sup> 3 <sup>0</sup>	18	48	36	47 1/2	35 1/2	21 1/4	14 3/8	2.12	-	-	19 7/16	14 5/8	22 1/4	16 3/16	7.97
4 <sup>0</sup> 3 <sup>6</sup>	21	48	42	47 1/2	41 1/2	21 1/4	17 3/8	2.56	-	-	19 7/16	17 5/8	22 1/4	19 3/16	9.63
4 <sup>0</sup> 4 <sup>0</sup>	24	48	48	47 1/2	47 1/2	21 1/4	20 3/8	3.01	-	-	19 7/16	20 5/8	22 1/4	22 3/16	11.28
4 <sup>0</sup> 4 <sup>6</sup>	27	48	54	47 1/2	53 1/2	21 1/4	23 3/8	3.45	-	-	19 7/16	23 5/8	22 1/4	25 3/16	12.93
4 <sup>0</sup> 5 <sup>0</sup>	30	48	60	47 1/2	59 1/2	21 1/4	26 3/8	3.89	-	Y	19 7/16	26 5/8	22 1/4	28 3/16	14.59
4 <sup>0</sup> 6 <sup>0</sup>	36	48	72	47 1/2	71 1/2	21 1/4	32 3/8	4.78	-	Y	19 7/16	32 5/8	22 1/4	34 3/16	17.89
5 <sup>0</sup> 3 <sup>0</sup>	18	60	36	59 1/2	35 1/2	27 1/4	14 3/8	2.72	-	-	25 7/16	14 5/8	28 1/4	16 3/16	10.37
5 <sup>0</sup> 3 <sup>6</sup>	21	60	42	59 1/2	41 1/2	27 1/4	17 3/8	3.29	-	-	25 7/16	17 5/8	28 1/4	19 3/16	12.53
5 <sup>0</sup> 4 <sup>0</sup>	24	60	48	59 1/2	47 1/2	27 1/4	20 3/8	3.86	-	Y	25 7/16	20 5/8	28 1/4	22 3/16	14.68
5 <sup>0</sup> 4 <sup>6</sup>	27	60	54	59 1/2	53 1/2	27 1/4	23 3/8	4.42	-	Y	25 7/16	23 5/8	28 1/4	25 3/16	16.83
5 <sup>0</sup> 5 <sup>0</sup>	30	60	60	59 1/2	59 1/2	27 1/4	26 3/8	4.99	-	Y	25 7/16	26 5/8	28 1/4	28 3/16	18.99
5 <sup>0</sup> 6 <sup>0</sup>	36	60	72	59 1/2	71 1/2	27 1/4	32 3/8	6.13	Y	Y	25 7/16	32 5/8	28 1/4	34 3/16	23.29
6 <sup>0</sup> 3 <sup>0</sup>	18	72	36	71 1/2	35 1/2	33 1/4	14 3/8	3.32	-	-	31 7/16	14 5/8	34 1/4	16 3/16	12.77
6 <sup>0</sup> 3 <sup>6</sup>	21	72	42	71 1/2	41 1/2	33 1/4	17 3/8	4.01	-	Y	31 7/16	17 5/8	34 1/4	19 3/16	15.43
6 <sup>0</sup> 4 <sup>0</sup>	24	72	48	71 1/2	47 1/2	33 1/4	20 3/8	4.70	-	Y	31 7/16	20 5/8	34 1/4	22 3/16	18.08
6 <sup>0</sup> 4 <sup>6</sup>	27	72	54	71 1/2	53 1/2	33 1/4	23 3/8	5.40	-	Y	31 7/16	23 5/8	34 1/4	25 3/16	20.73
6 <sup>0</sup> 5 <sup>0</sup>	30	72	60	71 1/2	59 1/2	33 1/4	26 3/8	6.09	Y	Y	31 7/16	26 5/8	34 1/4	28 3/16	23.39
6 <sup>0</sup> 6 <sup>0</sup>	36	72	72	71 1/2	71 1/2	33 1/4	32 3/8	7.48	Y	Y	31 7/16	32 5/8	34 1/4	34 3/16	28.70

Clear Opening and Egress



Rev: 9/10/15

Egress Requirements	Min. Width	Min. Height	Min. Sq.Ft.
United States	20"	24"	5.70
Canada	15"	15"	3.77

Size	VS	BS	Rough Opening		Net Size		Clear Opening		Clear Opening Sq. Ft.	Egress Compliance		Glass Size - Vent		Glass Size - Fixed		Glass Size - PW		Total Visible Glass Sq. Ft.
			Width	Height	Width	Height	Width	Height		U.S.	Canada	Width	Height	Width	Height	Width	Height	
4 <sup>0</sup> 2 <sup>6</sup>	12	15	48	30	47 1/2	29 1/2	9	11 3/8	0.71			7 3/16	11 5/8	10	13 3/16	23	28	6.56
4 <sup>0</sup> 3 <sup>0</sup>	12	18	48	36	47 1/2	35 1/2	9	14 3/8	0.90			7 3/16	14 5/8	10	16 3/16	23	34	8.11
4 <sup>0</sup> 3 <sup>6</sup>	12	21	48	42	47 1/2	41 1/2	9	17 3/8	1.09			7 3/16	17 5/8	10	19 3/16	23	40	9.66
4 <sup>0</sup> 4 <sup>0</sup>	12	24	48	48	47 1/2	47 1/2	9	20 3/8	1.27			7 3/16	20 5/8	10	22 3/16	23	46	11.21
4 <sup>0</sup> 4 <sup>6</sup>	12	27	48	54	47 1/2	53 1/2	9	23 3/8	1.46			7 3/16	23 5/8	10	25 3/16	23	52	12.76
4 <sup>0</sup> 5 <sup>0</sup>	12	30	48	60	47 1/2	59 1/2	9	26 3/8	1.65			7 3/16	26 5/8	10	28 3/16	23	58	14.31
4 <sup>0</sup> 6 <sup>0</sup>	12	36	48	72	47 1/2	71 1/2	9	32 3/8	2.02			7 3/16	32 5/8	10	34 3/16	23	70	17.41
6 <sup>0</sup> 2 <sup>6</sup>	18	15	72	30	71 1/2	29 1/2	15	11 3/8	1.18			13 3/16	11 5/8	16	13 3/16	35	28	10.71
6 <sup>0</sup> 3 <sup>0</sup>	18	18	72	36	71 1/2	35 1/2	15	14 3/8	1.50			13 3/16	14 5/8	16	16 3/16	35	34	13.26
6 <sup>0</sup> 3 <sup>6</sup>	18	21	72	42	71 1/2	41 1/2	15	17 3/8	1.81			13 3/16	17 5/8	16	19 3/16	35	40	15.81
6 <sup>0</sup> 4 <sup>0</sup>	18	24	72	48	71 1/2	47 1/2	15	20 3/8	2.12			13 3/16	20 5/8	16	22 3/16	35	46	18.36
6 <sup>0</sup> 4 <sup>6</sup>	18	27	72	54	71 1/2	53 1/2	15	23 3/8	2.43			13 3/16	23 5/8	16	25 3/16	35	52	20.91
6 <sup>0</sup> 5 <sup>0</sup>	18	30	72	60	71 1/2	59 1/2	15	26 3/8	2.75			13 3/16	26 5/8	16	28 3/16	35	58	23.46
6 <sup>0</sup> 6 <sup>0</sup>	18	36	72	72	71 1/2	71 1/2	15	32 3/8	3.37			13 3/16	32 5/8	16	34 3/16	35	70	28.56
8 <sup>0</sup> 3 <sup>0</sup>	24	18	96	36	95 1/2	35 1/2	21	14 3/8	2.10			19 3/16	14 5/8	22	16 3/16	47	34	18.41
8 <sup>0</sup> 3 <sup>6</sup>	24	21	96	42	95 1/2	41 1/2	21	17 3/8	2.53			19 3/16	17 5/8	22	19 3/16	47	40	21.96
8 <sup>0</sup> 4 <sup>0</sup>	24	24	96	48	95 1/2	47 1/2	21	20 3/8	2.97			19 3/16	20 5/8	22	22 3/16	47	46	25.51
8 <sup>0</sup> 4 <sup>6</sup>	24	27	96	54	95 1/2	53 1/2	21	23 3/8	3.41			19 3/16	23 5/8	22	25 3/16	47	52	29.06
8 <sup>0</sup> 5 <sup>0</sup>	24	30	96	60	95 1/2	59 1/2	21	26 3/8	3.85			19 3/16	26 5/8	22	28 3/16	47	58	32.61
8 <sup>0</sup> 6 <sup>0</sup>	24	36	96	72	95 1/2	71 1/2	21	32 3/8	4.72			19 3/16	32 5/8	22	34 3/16	47	70	39.71
9 <sup>0</sup> 3 <sup>0</sup>	27	18	108	36	107 1/2	35 1/2	24	14 3/8	2.40			22 3/16	14 5/8	25	16 3/16	53	34	20.99
9 <sup>0</sup> 3 <sup>6</sup>	27	21	108	42	107 1/2	41 1/2	24	17 3/8	2.90			22 3/16	17 5/8	25	19 3/16	53	40	25.04
9 <sup>0</sup> 4 <sup>0</sup>	27	24	108	48	107 1/2	47 1/2	24	20 3/8	3.40			22 3/16	20 5/8	25	22 3/16	53	46	29.09
9 <sup>0</sup> 4 <sup>6</sup>	27	27	108	54	107 1/2	53 1/2	24	23 3/8	3.90			22 3/16	23 5/8	25	25 3/16	53	52	33.14
9 <sup>0</sup> 5 <sup>0</sup>	27	30	108	60	107 1/2	59 1/2	24	26 3/8	4.40			22 3/16	26 5/8	25	28 3/16	53	58	37.19
9 <sup>0</sup> 6 <sup>0</sup>	27	36	108	72	107 1/2	71 1/2	24	32 3/8	5.40			22 3/16	32 5/8	25	34 3/16	53	70	45.29

Clear Opening and Egress



Egress Requirements	Min. Width	Min. Height	Min. Sq.Ft.
United States	20"	24"	5.70
Canada	15"	15"	3.77

Size	VS	BS	Rough Opening		Net Size		Flankers			Center			Egress Compliance		Flankers				Center				Total Visible Glass Sq. Ft.
			Width	Height	Width	Height	Clear Opening		Clear Opening Sq. Ft.	Clear Opening		Clear Opening Sq. Ft.	U.S.	Canada	Glass Size - Vent		Glass Size - Fixed		Glass Size - Vent		Glass Size - Fixed		
							Width	Height		Width	Height				Width	Height	Width	Height	Width	Height	Width	Height	
4 6 2 6	18	15	54	30	53 1/2	29 1/2	15	11 3/8	1.18	16	11 3/8	1.26	-	-	13 3/16	11 5/8	16	13 3/16	14 3/16	11 5/8	17	13 3/16	6.66
4 6 3 0	18	18	54	36	53 1/2	35 1/2	15	14 3/8	1.50	16	14 3/8	1.60	-	-	13 3/16	14 5/8	16	16 3/16	14 3/16	14 5/8	17	16 3/16	8.41
4 6 3 6	18	21	54	42	53 1/2	41 1/2	15	17 3/8	1.81	16	17 3/8	1.93	-	-	13 3/16	17 5/8	16	19 3/16	14 3/16	17 5/8	17	19 3/16	10.15
4 6 4 0	18	24	54	48	53 1/2	47 1/2	15	20 3/8	2.12	16	20 3/8	2.26	-	-	13 3/16	20 5/8	16	22 3/16	14 3/16	20 5/8	17	22 3/16	11.89
4 6 4 6	18	27	54	54	53 1/2	53 1/2	15	23 3/8	2.43	16	23 3/8	2.60	-	-	13 3/16	23 5/8	16	25 3/16	14 3/16	23 5/8	17	25 3/16	13.63
4 6 5 0	18	30	54	60	53 1/2	59 1/2	15	26 3/8	2.75	16	26 3/8	2.93	-	-	13 3/16	26 5/8	16	28 3/16	14 3/16	26 5/8	17	28 3/16	15.37
4 6 6 0	18	36	54	72	53 1/2	71 1/2	15	32 3/8	3.37	16	32 3/8	3.60	-	-	13 3/16	32 5/8	16	34 3/16	14 3/16	32 5/8	17	34 3/16	18.85
6 0 2 6	24	15	72	30	71 1/2	29 1/2	21	11 3/8	1.66	22	11 3/8	1.74	-	-	19 3/16	11 5/8	22	13 3/16	20 3/16	11 5/8	23	13 3/16	9.52
6 0 3 0	24	18	72	36	71 1/2	35 1/2	21	14 3/8	2.10	22	14 3/8	2.20	-	-	19 3/16	14 5/8	22	16 3/16	20 3/16	14 5/8	23	16 3/16	12.01
6 0 3 6	24	21	72	42	71 1/2	41 1/2	21	17 3/8	2.53	22	17 3/8	2.65	-	-	19 3/16	17 5/8	22	19 3/16	20 3/16	17 5/8	23	19 3/16	14.50
6 0 4 0	24	24	72	48	71 1/2	47 1/2	21	20 3/8	2.97	22	20 3/8	3.11	-	-	19 3/16	20 5/8	22	22 3/16	20 3/16	20 5/8	23	22 3/16	16.99
6 0 4 6	24	27	72	54	71 1/2	53 1/2	21	23 3/8	3.41	22	23 3/8	3.57	-	-	19 3/16	23 5/8	22	25 3/16	20 3/16	23 5/8	23	25 3/16	19.48
6 0 5 0	24	30	72	60	71 1/2	59 1/2	21	26 3/8	3.85	22	26 3/8	4.03	-	Y	19 3/16	26 5/8	22	28 3/16	20 3/16	26 5/8	23	28 3/16	21.97
6 0 6 0	24	36	72	72	71 1/2	71 1/2	21	32 3/8	4.72	22	32 3/8	4.95	-	Y	19 3/16	32 5/8	22	34 3/16	20 3/16	32 5/8	23	34 3/16	26.95
7 6 3 0	30	18	90	36	89 1/2	35 1/2	27	14 3/8	2.70	28	14 3/8	2.80	-	-	25 3/16	14 5/8	28	16 3/16	26 3/16	14 5/8	29	16 3/16	15.61
7 6 3 6	30	21	90	42	89 1/2	41 1/2	27	17 3/8	3.26	28	17 3/8	3.38	-	-	25 3/16	17 5/8	28	19 3/16	26 3/16	17 5/8	29	19 3/16	18.85
7 6 4 0	30	24	90	48	89 1/2	47 1/2	27	20 3/8	3.82	28	20 3/8	3.96	-	Y	25 3/16	20 5/8	28	22 3/16	26 3/16	20 5/8	29	22 3/16	22.09
7 6 4 6	30	27	90	54	89 1/2	53 1/2	27	23 3/8	4.38	28	23 3/8	4.55	-	Y	25 3/16	23 5/8	28	25 3/16	26 3/16	23 5/8	29	25 3/16	25.33
7 6 5 0	30	30	90	60	89 1/2	59 1/2	27	26 3/8	4.95	28	26 3/8	5.13	-	Y	25 3/16	26 5/8	28	28 3/16	26 3/16	26 5/8	29	28 3/16	28.57
7 6 6 0	30	36	90	72	89 1/2	71 1/2	27	32 3/8	6.07	28	32 3/8	6.30	Y	Y	25 3/16	32 5/8	28	34 3/16	26 3/16	32 5/8	29	34 3/16	35.05
8 0 3 0	32	18	96	36	95 1/2	35 1/2	29	14 3/8	2.89	30	14 3/8	2.99	-	-	27 3/16	14 5/8	30	16 3/16	28 3/16	14 5/8	31	16 3/16	16.81
8 0 3 6	32	21	96	42	95 1/2	41 1/2	29	17 3/8	3.50	30	17 3/8	3.62	-	-	27 3/16	17 5/8	30	19 3/16	28 3/16	17 5/8	31	19 3/16	20.30
8 0 4 0	32	24	96	48	95 1/2	47 1/2	29	20 3/8	4.10	30	20 3/8	4.24	-	Y	27 3/16	20 5/8	30	22 3/16	28 3/16	20 5/8	31	22 3/16	23.79
8 0 4 6	32	27	96	54	95 1/2	53 1/2	29	23 3/8	4.71	30	23 3/8	4.87	-	Y	27 3/16	23 5/8	30	25 3/16	28 3/16	23 5/8	31	25 3/16	27.28
8 0 5 0	32	30	96	60	95 1/2	59 1/2	29	26 3/8	5.31	30	26 3/8	5.49	-	Y	27 3/16	26 5/8	30	28 3/16	28 3/16	26 5/8	31	28 3/16	30.77
8 0 6 0	32	36	96	72	95 1/2	71 1/2	29	32 3/8	6.52	30	32 3/8	6.74	Y	Y	27 3/16	32 5/8	30	34 3/16	28 3/16	32 5/8	31	34 3/16	37.75
9 0 3 0	36	18	108	36	107 1/2	35 1/2	33	14 3/8	3.29	34	14 3/8	3.39	-	-	31 3/16	14 5/8	34	16 3/16	32 3/16	14 5/8	35	16 3/16	19.21
9 0 3 6	36	21	108	42	107 1/2	41 1/2	33	17 3/8	3.98	34	17 3/8	4.10	-	Y	31 3/16	17 5/8	34	19 3/16	32 3/16	17 5/8	35	19 3/16	23.20
9 0 4 0	36	24	108	48	107 1/2	47 1/2	33	20 3/8	4.67	34	20 3/8	4.81	-	Y	31 3/16	20 5/8	34	22 3/16	32 3/16	20 5/8	35	22 3/16	27.19
9 0 5 0	36	30	108	60	107 1/2	59 1/2	33	26 3/8	6.04	34	26 3/8	6.23	Y	Y	31 3/16	26 5/8	34	28 3/16	32 3/16	26 5/8	35	28 3/16	35.17
9 0 6 0	36	36	108	72	107 1/2	71 1/2	33	32 3/8	7.42	34	32 3/8	7.64	Y	Y	31 3/16	32 5/8	34	34 3/16	32 3/16	32 5/8	35	34 3/16	43.16