

# Chart No. 1 Row Spacing

## Row Spacing Dimension

[values shown are for front-to-back distance (not allowing for minimum space for front  
Back to Back Spacing

### Using the Chart:

- 10 spaces (11 rows) at 36" back-to-back (row spacing) = 30'0" (see sketch).
- 16 spaces (17 rows) at 35" back-to-back = 46'8".
- 101'4" = 32 rows at 38" back-to-back spacing.

### Special Considerations:

1. The most common row spacing currently in use in schools is 34", while theatre installations are normally 36" - 40".
2. Continental Seating: Specific state codes should be consulted on this, however, most states require 40" minimum row spacing, as well as having special exit requirements.
3. Specific row spacing should be considered when working with tablet arms, please contact the factory for details.
4. Passage clearance varies according to the thickness and angle of back. Check with Irwin Representative for correct dimensional values.

No. Rows	32"	33"	34"	35"	36"	37"	38"	39"	40"
2	5' 4"	5' 6"	5' 8"	5' 10"	6' 0"	6' 2"	6' 4"	6' 6"	6' 8"
3	8' 0"	8' 3"	8' 6"	8' 9"	9' 0"	9' 3"	9' 6"	9' 9"	10' 0"
4	10' 8"	11' 0"	11' 4"	11' 8"	12' 0"	12' 4"	12' 8"	13' 0"	13' 4"
5	13' 4"	13' 9"	14' 2"	14' 7"	15' 0"	15' 5"	15' 10"	16' 3"	16' 8"
6	16' 0"	16' 6"	17' 0"	17' 6"	18' 0"	18' 6"	19' 0"	19' 6"	20' 0"
7	18' 8"	19' 3"	19' 10"	20' 5"	21' 0"	21' 7"	22' 2"	22' 9"	23' 4"
8	21' 4"	22' 0"	22' 8"	23' 4"	24' 0"	24' 8"	25' 4"	26' 0"	26' 8"
9	24' 0"	24' 9"	25' 6"	26' 3"	27' 0"	27' 9"	28' 6"	29' 3"	30' 0"
10	26' 8"	27' 6"	28' 4"	29' 2"	30' 0"	30' 10"	31' 8"	32' 6"	33' 4"
11	29' 4"	30' 3"	31' 2"	32' 1"	33' 0"	33' 11"	34' 10"	35' 9"	36' 8"
12	32' 0"	33' 0"	34' 0"	35' 0"	36' 0"	37' 0"	38' 0"	39' 0"	40' 0"
13	34' 8"	35' 9"	36' 10"	37' 11"	39' 0"	40' 1"	41' 2"	42' 3"	43' 4"
14	37' 4"	38' 6"	39' 6"	40' 10"	42' 0"	43' 2"	44' 4"	45' 6"	46' 8"
15	40' 0"	41' 3"	42' 6"	43' 9"	45' 0"	46' 3"	47' 6"	48' 9"	50' 0"
16	42' 8"	44' 0"	45' 4"	46' 8"	48' 0"	49' 4"	50' 8"	52' 0"	53' 4"
17	45' 4"	46' 9"	48' 2"	49' 7"	51' 0"	52' 5"	53' 10"	55' 3"	56' 8"
18	48' 0"	49' 6"	51' 0"	52' 6"	54' 0"	55' 6"	57' 0"	58' 6"	60' 0"
19	50' 8"	52' 3"	53' 10"	55' 5"	57' 0"	58' 7"	60' 2"	61' 9"	63' 4"
20	53' 4"	55' 0"	56' 8"	58' 4"	60' 0"	61' 8"	63' 4"	65' 0"	66' 8"
21	56' 0"	57' 9"	59' 6"	61' 3"	63' 0"	64' 9"	66' 6"	68' 3"	70' 0"
22	58' 8"	60' 6"	62' 4"	64' 2"	66' 0"	67' 10"	69' 8"	71' 6"	73' 4"
23	61' 4"	63' 3"	65' 2"	67' 1"	69' 0"	70' 11"	72' 10"	74' 9"	76' 8"
24	64' 0"	66' 0"	68' 0"	70' 0"	72' 0"	74' 0"	76' 0"	78' 0"	80' 0"
25	66' 8"	68' 9"	70' 10"	72' 11"	75' 0"	77' 1"	79' 2"	81' 3"	83' 4"
26	69' 4"	71' 6"	73' 8"	75' 10"	78' 0"	80' 2"	82' 4"	84' 6"	86' 8"
27	72' 0"	74' 3"	76' 6"	78' 9"	81' 0"	83' 3"	85' 6"	87' 9"	90' 9"
28	74' 8"	77' 0"	79' 4"	81' 8"	84' 0"	86' 4"	88' 8"	91' 0"	93' 4"
29	77' 4"	79' 9"	82' 2"	84' 7"	87' 0"	89' 5"	91' 10"	94' 3"	96' 8"
30	80' 0"	82' 6"	85' 0"	87' 6"	90' 0"	92' 6"	95' 0"	97' 6"	100' 0"
31	82' 8"	85' 3"	87' 10"	90' 5"	93' 0"	95' 7"	98' 2"	100' 9"	103' 4"
32	85' 4"	88' 0"	90' 8"	94' 4"	96' 0"	98' 8"	101' 4"	104' 0"	106' 8"
33	88' 0"	90' 9"	93' 6"	96' 3"	99' 0"	100' 9"	104' 6"	107' 3"	110' 0"
34	90' 8"	93' 6"	96' 4"	99' 2"	102' 0"	104' 10"	107' 8"	110' 6"	113' 4"
35	93' 4"	96' 3"	99' 2"	102' 1"	105' 0"	107' 11"	110' 10"	113' 9"	116' 8"
36	96' 0"	99' 0"	102' 0"	105' 0"	108' 0"	111' 0"	114' 0"	117' 0"	120' 0"

