



# Chart No. 3 Chair Sizes

This chart should be used to achieve a required seating capacity.

## Using the Chart:

- Determine the length of row available for chairs by scaling off the clear distance between aisles (e.g. 18' 8")
- Read down the left hand column to distance in feet, then over to added distance in inches.
- Select chair sizes wanted (e.g. 18'8" row allows a choice of 11-20" chairs or 10-22" chairs and provides 2" thickness of chair standard at each end of the row.
- Staggered seating may be achieved by using 11-20" chairs in one row and 10-22" chairs in the next, for example:  
Maximum allowable row length is 14 to 16 chairs, depending on the applicable safety code. (Maximum standard chair width is 22") Seating sections should be planned to taper from a maximum width of 26' 0".

**Maintaining Straight Aisles:** Chair rows can be planned in increments of 1", starting with a minimum row length of 9' 10". If no 19" chairs are to be used, as in the normal case of chairs having upholstered seats and folding tablet arms, continuous row length increments start at 12' 0". By using double standards (as a 9' 6" row of 5-22" chairs for example), shorter combinations can be "stretched" in increments of 4" to fill a larger space.

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1												1-19"
2	1-20"	1-21"	1-22"									
3							2-19"	1-19" & 1-20"	2-20"	1-20" & 1-21"	2-21"	1-21" & 1-22"
4	2-22"											
5		3-19"	2-19" & 1-20"	1-19" & 2-20"	3-20"	2-20" & 1-21"	1-20" & 2-21"	3-21"	2-21" & 1-22"	1-21" & 2-22"	3-22"	
6									4-19"	3-19" & 1-20"	2-19" & 2-20"	1-19" & 3-20"
7	4-20"	3-20" & 1-21"	2-20" & 2-21"	1-20" & 3-21"	4-21"	3-21" & 1-22"	2-21" & 2-22"	1-21" & 3-22"	4-22"			
8				5-19"	4-19" & 1-20"	3-19" & 2-20"	2-19" & 3-20"	1-19" & 4-20"	5-20"	4-20" & 1-21"	3-20" & 2-21"	2-20" & 3-21"
9		1-20" & 4-21"	5-21"	4-21" & 1-22"	3-21" & 2-22"	2-21" & 3-22"	1-21" & 4-22"	5-22"			6-19"	5-19" & 1-20"
10	4-19" & 2-20"	3-19" & 3-20"	2-19" & 4-20"	1-19" & 5-20"	6-20"	5-20" & 1-21"	4-20" & 2-21"	3-20" & 3-21"	2-20" & 4-21"	1-20" & 5-21"	6-21"	5-21" & 1-22"
11	4-21" & 2-22"	3-21" & 3-22"	2-21" & 4-22"	1-21" & 5-22"	6-22"	7-19"	6-19" & 1-20"	5-19" & 2-20"	4-19" & 3-20"	3-19" & 4-20"	2-19" & 5-20"	1-19" & 6-20"
12	7-20"	6-20" & 1-21"	5-20" & 2-21"	4-20" & 3-21"	3-20" & 4-21"	2-20" & 5-21"	1-20" & 6-21"	7-21"	6-21" & 1-22"	5-21" & 2-22"	4-21" & 3-22"	3-21" & 4-22"
13	8-19" 2-21" & 5-22"	7-19" & 1-20" 1-22" & 6-22"	6-19" & 2-20" 7-22"	5-19" & 3-20"	4-19" & 4-20"	3-19" & 5-20"	2-19" & 6-20"	1-19" & 7-20"	8-20"	7-20" & 1-21"	6-20" & 2-21"	5-20" & 3-21"
14	4-20" & 4-21"	3-20" & 5-21"	2-20" & 6-21"	1-20" & 7-21"	8-21"	7-21" & 1-22"	6-21" & 2-22"	9-19" 5-21" & 3-22"	8-19" & 1-20" 4-21" & 4-22"	7-19" & 2-20" 3-21" & 5-22"	6-19" & 3-20" 2-21" & 6-22"	5-19" & 4-20" 1-21" & 7-22"