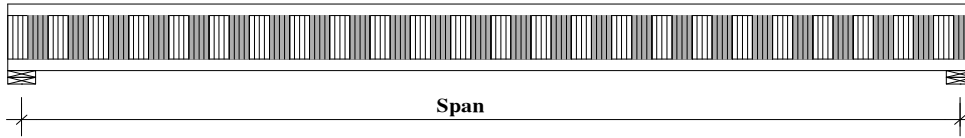


Commercial Floor Span Charts



LL = 50psf DL = 15psf - LL Deflection = L/360 TL Deflection = L/240				
Beam Name	12" o/c	16" o/c	19.2" o/c	24" o/c
13.25" HTS34	27'-10"	23'-01"	19'-04"	15'-07"
15.25" HTS34	31'-11"	27'-01"	22'-07"	18'-02"
17.25" HTS34	35'-07"	31'-01"	25'-11"	20'-10"
19.25" HTS34	39'-01"	35'-01"	29'-04"	23'-06"
17.75" HTS36DW	42'-03"	38'-00"	35'-06"	31'-01"
19.25" HTS36DW	46'-03"	41'-08"	39'-00"	35'-02"
16" HTS44	35'-00"	31'-01"	26'-01"	21'-01"
18" HTS44	39'-02"	35'-00"	29'-09"	24'-00"
20" HTS44	43'-03"	38'-09"	33'-07"	27'-00"
22" HTS44	47'-01"	42'-03"	37'-05"	30'-00"
20" HTS46DW	51'-04"	46'-02"	43'-01"	36'-09"
22" HTS46DW	55'-09"	50'-03"	47'-00"	41'-01"

LL = 75psf DL = 15psf - LL Deflection = L/360 TL Deflection = L/240				
Beam Name	12" o/c	16" o/c	19.2" o/c	24" o/c
15.25" HTS34	25'-09"	19'-05"	16'-03"	13'-01"
17.25" HTS34	29'-07"	22'-03"	18'-07"	14'-11"
19.25" HTS34	33'-05"	25'-02"	21'-00"	16'-10"
17.75" HTS36DW	39'-09"	35'-09"	31'-05"	25'-02"
19.25" HTS36DW	29'-08"	22'-06"	19'-00"	15'-06"
16" HTS44	29'-08"	22'-06"	19'-00"	15'-06"
18" HTS44	33'-05"	25'-07"	21'-06"	17'-05"
20" HTS44	37'-00"	28'-10"	24'-02"	19'-06"
22" HTS44	40'-05"	32'-02"	26'-10"	21'-07"
20" HTS46DW	44'-03"	39'-05"	32'-11"	26'-05"
22" HTS46DW	48'-01"	43'-03"	36'-08"	29'-05"

LL = 100psf DL = 15psf - LL Deflection = L/360 TL Deflection = L/240				
Beam Name	12" o/c	16" o/c	19.2" o/c	24" o/c
17.25" HTS34	23'-01"	17'-05"	14'-06"	11'-09"
19.25" HTS34	26'-01"	19'-07"	16'-04"	13'-02"
17.75" HTS36DW	32'-07"	25'-11"	21'-08"	17'-04"
19.25" HTS36DW	35'-10"	29'-04"	24'-05"	19'-07"
16" HTS44	23'-04"	17'-10"	15'-01"	12'-05"
18" HTS44	26'-07"	20'-02"	16'-11"	13'-10"
20" HTS44	29'-11"	22'-07"	18'-11"	15'-04"
22" HTS44	33'-04"	25'-01"	21'-00"	16'-11"
20" HTS46DW	39'-08"	30'-09"	25'-08"	20'-08"
22" HTS46DW	43'-03"	34'-03"	28'-07"	23'-00"

Span Charts have been generated based on the following criteria:

- Spans shown are based on center line to center line of bearings;
- Span shown assume a minimum bearing length of 1 3/4" at end bearing and 3 1/2" at intermediate bearings;
- Spans shown assume a glued and nailed Subfloor. Subfloor material to be 19/32" OSB for joist spacing less than or equal to 19.2" o/c and 23/32" OSB for joist spacing exceeding 19.2" o/c;
- Spans shown assume there is no ceiling, blocking or strapping attached to the underside of the joist;

- For multiple span joists the minimum ratio of the shorter span to the longer span shall be 0.50
- Long term deflection under dead load, which includes the effects of creep, has not been considered;
- Spans shown reflect minimum requirements, and may not satisfy customer requirements. **Please see our notes on Floor Performance;**

For loading conditions not shown, please contact
Twin River Beam Company