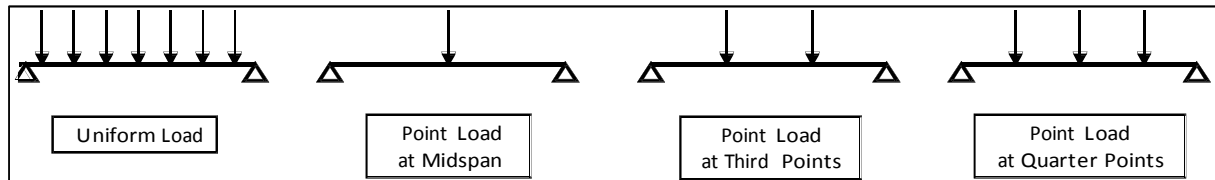


CHRISTIE LITES

ALLOWABLE LOAD DATA

CHRISTIE LITES 20" TYPE C TRUSS - BOLT PLATE TRUSS REPETITIVE USE



20.5"x20.5" BOLT PLATE TRUSS TABLE

TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD		CENTER POINT LOAD		THIRD POINT LOAD		QUARTER POINT LOAD		FIFTH POINT LOAD	
	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION
8'-0"	714 lb/ft	0.126 in	3,081 lbs	0.082 in	2,168 lbs	0.101 in	1,496 lbs	0.100 in	1,309 lbs	0.104 in
16'-0"	179 lb/ft	0.336 in	1,488 lbs	0.325 in	1,084 lbs	0.338 in	723 lbs	0.333 in	595 lbs	0.330 in
24'-0"	85 lb/ft	0.702 in	1,296 lbs	0.700 in	680 lbs	0.665 in	574 lbs	0.700 in	404 lbs	0.676 in
32'-0"	38 lb/ft	1.109 in	638 lbs	0.994 in	468 lbs	1.136 in	319 lbs	1.129 in	255 lbs	1.131 in
40'-0"	21 lb/ft	1.687 in	531 lbs	1.623 in	340 lbs	1.726 in	234 lbs	1.706 in	170 lbs	1.611 in
48'-0"	13 lb/ft	2.420 in	319 lbs	2.199 in	234 lbs	2.500 in	157 lbs	2.392 in	132 lbs	2.457 in

TABLE USAGE NOTES:

1. THE TRUSS IS SUPPORTING VERTICAL LOADS ONLY, I.E. THE TRUSS LADDERS ARE ORIENTED VERTICALLY AND NO LATERAL LOADS ARE APPLIED TO THE TRUSS.
2. THE TRUSS WAS ANALYZED AS A SIMPLE SPAN BEAM WITH SUPPORTS AT TRUSS ENDS ONLY.
3. THE TRUSS HAS BEEN ANALYZED FOR STATIC LOADS ONLY.
4. ALL LOADS ARE APPLIED CENTERED BETWEEN THE LADDERS.
5. ALL LOADS AND SUPPORTS ARE TO BE LOCATED AT THE PANEL POINTS OF THE TRUSS ONLY.
6. SELF WEIGHT HAS BEEN CONSIDERED IN THE ANALYSIS OF THE TRUSS.
7. MAXIMUM DEFLECTION LIMITED TO SPAN/180.
8. ALLOWABLE LOADS BASED ON 2010 ALUMINUM DESIGN MANUAL. ALL CAPACITIES ARE REDUCED TO 0.85 PER ANSI E1.2-2012 FOR REPETITIVE USE MEMBERS