

# Box truss

Heavy duty truss 30 x 20.5 spigoted

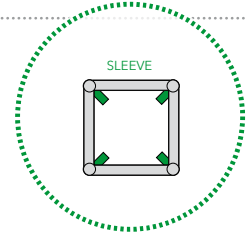
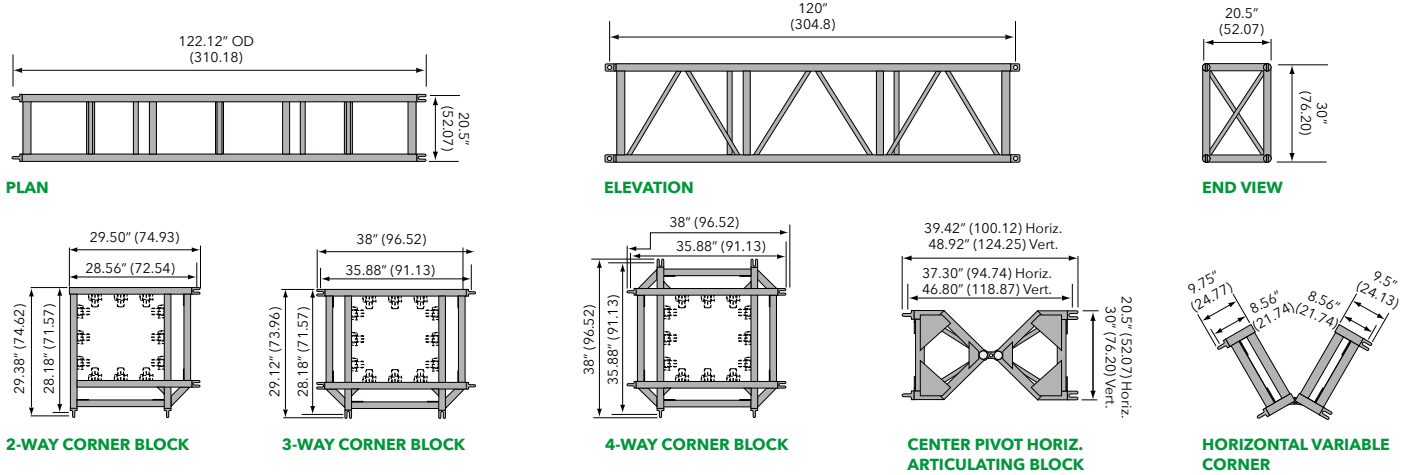


## Heavy duty truss 30 x 20.5 spigoted

- › Standard lengths are 10', 8' and 5'
- › Custom lengths available upon request
- › Equipped with steel spigots
- › Main chords are 2" OD x 3/16" aluminum
- › Diagonals are 1-1/2" OD x 1/8" aluminum
- › Available with casters
- › Fabricated by AWS/SFL certified welders



**PLAN VIEWS** CONNECTOR ORIENTATION SPECIFIED BY CUSTOMER



NO. OF SECTS.	SPAN FT (MTRS)	MAXIMUM ALLOWABLE UNIFORM LOADS			MAXIMUM ALLOWABLE POINT LOADS					
		LOAD LBS/FT	LOAD LBS (KGS)	MAX DEFL. IN.	center point		third point		quarter point	
1	10 (3.05)	3555	35550 (16125)	0.09	17780 (8065)	0.08	13330 (6046)	0.10	8888 (4032)	0.09
2	20 (6.09)	877	17540 (7956)	0.38	8775 (3980)	0.30	6581 (2985)	0.39	4388 (1990)	0.36
3	30 (9.14)	381	11430 (5185)	0.85	5725 (2597)	0.69	4294 (1948)	0.87	2863 (1299)	0.81
4	40 (12.19)	208	8320 (3774)	1.52	4163 (1888)	1.23	3122 (1416)	1.55	2081 (944)	1.45
5	50 (15.24)	127	6350 (2880)	2.36	3195 (1449)	1.95	2396 (1087)	2.42	1598 (725)	2.27
6	60 (18.29)	79	4710 (2136)	3.22	2356 (1069)	2.67	1767 (802)	3.28	1178 (534)	3.10

**Note:** Deflections reported in the tables on the left are the maximum expected for full loadings (indoors only). All loads are based on 10' (3.05 m) sections. Other section lengths are available. Load tables are reprinted from engineering reports developed by Parkhill, Smith & Cooper, Inc., structural engineers, and apply to truss fabricated after December 1989.

5/8" diameter Grade 8 Bolts with standard washers through 3/8" gusset plates

HEAVY DUTY TRUSS 30 X 20.5 SPIGOTED CONNECTIONS ARE STEEL SPIGOTS & 3/4" CLEVIS PINS		
PRODUCT DESCRIPTION	ITEM CODE	WEIGHT LBS (KGS)
5 FT HEAVY DUTY TRUSS	TC 3020-060S	90 (41)
8 FT HEAVY DUTY TRUSS	TC 3020-096S	120 (55)
10 FT HEAVY DUTY TRUSS	TC 3020-120S	132 (60)
HEAVY DUTY 2-WAY CORNER	TC 3020-CS2	77 (35)
HEAVY DUTY 3-WAY CORNER	TC 3020-C3S	95 (43)
HEAVY DUTY 4-WAY CORNER	TC 3020-C4S	121 (55)
HD ARTICULATING BLOCK HORIZONTAL (center pivot)	TC 3020-AHS	91 (42)
HD ARTICULATING BLOCK VERTICAL (center pivot)	TC 3020-AVS	92 (42)

PRODUCT DESCRIPTION	ITEM CODE	WEIGHT LBS (KGS)
HD VARIABLE CORNER HORIZONTAL (book style with brace)	TC 3020-VHS	72 (33)
HD VARIABLE CORNER VERTICAL (book style with brace)	TC 3020-VVS	68 (31)
HD 2-WAY SLEEVE FOR 12" TOWER*	TC 3020-S2S	97 (44)
HD 3-WAY SLEEVE FOR 12" TOWER*	TC 3020-S3S	115 (53)
HD 4-WAY SLEEVE FOR 12" TOWER*	TC 3020-S4S	141 (64)
3/4" CLEVIS PIN	TC CP-75	.4 (.18)
MEDIUM R-CLIP	TC RC-MED	- (-)

\* Spans greater than 40 ft require custom sleeves for larger tower