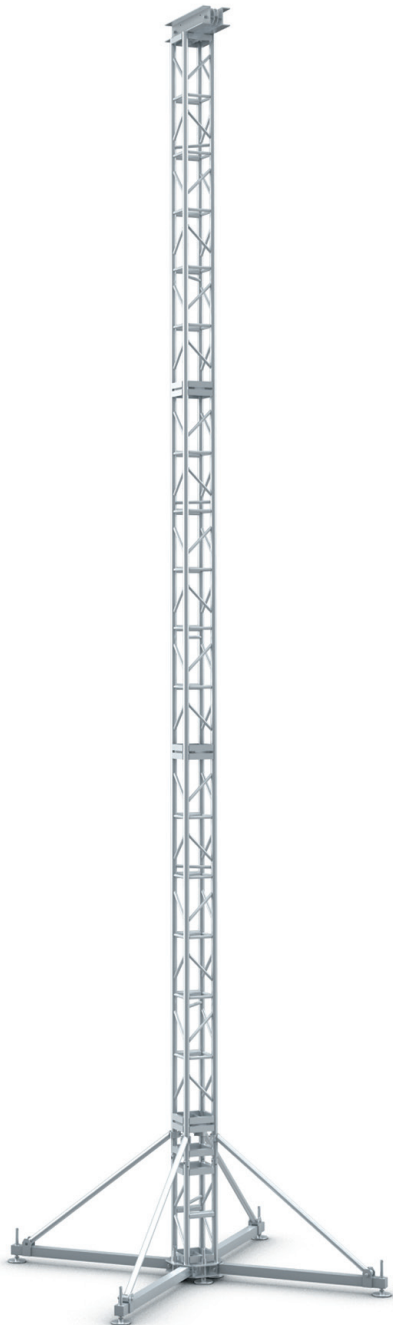


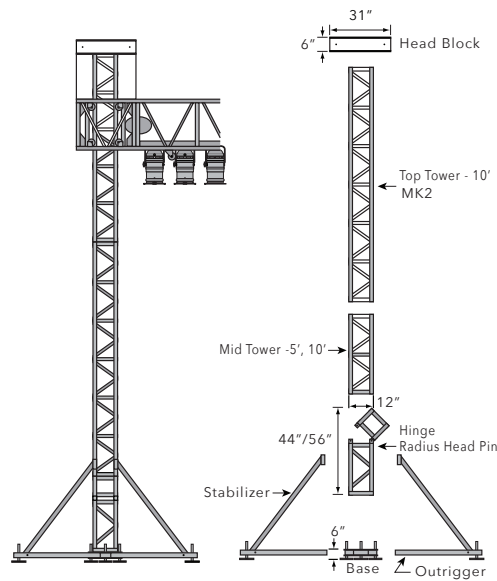
Ground support systems

12" Tower MK1, MK2 and MK3

- › Connections are single sets of bolts for MK1 and MK3 12" Tower
- › Connections are steel spigots & 3/4" clevis pins for MK3 12" Tower
- › MK-1 tower is standard

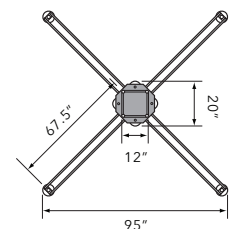


12" Tower Configuration



Style
Mark I Tower
Mark II Tower
Mark III 12" Tower

CONNECTIONS
Bolts
Spigots



MK-1 & MK-2 tower components

Product Description	Item Code	Weight lbs (kgs)
3FT MK3 12 x 12 TOWER	TC 12G3-036S	29 (13)
5FT MK3 12 x 12 TOWER	TC 12G3-060S	40 (18)
8FT MK3 12 x 12 TOWER	TC 12G3-096S	58 (27)
10FT MK3 12 x 12 TOWER	TC 12G3-120S	69 (31)
44" HINGE BLOCK FOR 12" TOWER (for use with MD and PRT trusses)	TC 12G3-H44S	61 (27)
56" HINGE BLOCK FOR 12" TOWER (for use with HD trusses)	TC 12G3-H56S	67 (30)
BASE FOR 12 x 12 TOWER	TC 12G3-BS-2	46 (21)
OUTRIGGER/STABILIZER SET PER TOWER		
for use with 44" hinge block	TC 12G3-OS44-2	101 (46)
for use with 56" hinge block	TC 12G3-OS56-2	103 (47)
HEADBLOCK FOR 12 x 12 TOWER (for use with 2020, 2630, 3020)	TC 12G3-HBB	41 (18)
RADIUS HEAD 3/4" CLEVIS PIN	TC CP-75R	

* Standard for GS 5/16" chain

MK-3 tower components

Product Description	Item Code	Weight lbs (kgs)
3' MK1 12" x 12" TOWER	TC 12G1-036B	26 (13)
5' MK1 12" x 12" TOWER	TC 12G1-060B	40 (18)
8' MK1 12" x 12" TOWER	TC 12G1-096B	58 (27)
10' MK1 12" x 12" TOWER	TC 12G1-120B	69 (31)
3' MK2 12" x 12" TOWER	TC 12G2-036B	34 (15)
5' MK2 12" x 12" TOWER	TC 12G2-060B	49 (22)
8' MK2 12" x 12" TOWER	TC 12G2-096B	71 (32)
10' MK2 12" x 12" TOWER	TC 12G2-120B	87 (39)
44" HINGE BLOCK FOR 12" TOWER (for use with MD & PRT Trusses)	TC 12GS-H44B	61 (27)
56" HINGE BLOCK FOR 12" TOWER (for use with HD Trusses)	TC 12GS-H56B	67 (30)
BASE FOR 12" X 12" TOWER	TC 12GS-BB-2	46 (21)
OUTRIGGER/STABILIZER SET/TOWER		
For use with 44" Hinge Block	TC 12GS-OS44-2	101 (46)
For use with 56" Hinge Block	TC 12GS-OS56-2	103 (47)
HEAD BLOCK FOR 12" x 12" TOWER* (for use with 2020, 2630, 3020)	TC 12GS-HBB	41 (18)
RADIUS HEAD 3/4" CLEVIS PIN	TC CP-75R	
5/8" GRADE 8 BOLT, NUT & WASHER BOLT		

* Standard for GS 5/16" chain

	Mark I	Mark II	Mark III
Profile size (square)	12" (30.5 cm)	12" (30.5 cm)	12" (30.5 cm)
Indoor Use	Yes	Yes	Yes
Outdoor Use	No	Yes	Yes
Bolt Connection	Available	Available	No
Spigot Connection	No	No	Yes
Maximum Height	35' (10.67 m)	35' (10.67 m)	35' (10.67 m)
Max. Axial Load*	2000 lbs (907 kg)	3000 lbs (1361 kg)	3000 lbs (1361 kg)
Max. Flexural Load*	3.63 Kft.	3.63 Kft.	14.69 Kft.

Note: Designed to raise TOMCAT truss using Columbus McKinnon Theatrical Chain Hoists (Headblock sheaves for 5/16" chain is standard, but 1/4" chain sheaves are available). Standard sleeve blocks are available for midsize to large types of TOMCAT truss. All hinge and spigot connections employ 3/4" radius head pins.

*Towers are designed to support both axial and flexural (bending) loads simultaneously.

Axial load capacity is dependent upon the amount of flexural loading placed upon the structure through a number of sources including, but not limited to, the eccentric axial loads, moment transfer from horizontal truss loading (via sleeve and corner blocks), wind forces and seismic forces. Due to the interdependent nature of the two forces, the loads stated above should be used for reference only. As either of the variables change along their respective planes, allowable loads may increase or decrease as a result. Axial loads are represented in the table above in both pounds and kilograms. Flexural loads are represented in kip feet. Dynamic loads must be converted into a static load equivalent for comparison with the rated capacity. All towers for outdoor use must be checked for flexural loads introduced by wind loading on the towers and related structures. Contact your TOMCAT representative for further assistance and additional information on the specific use of towers for your particular situation.