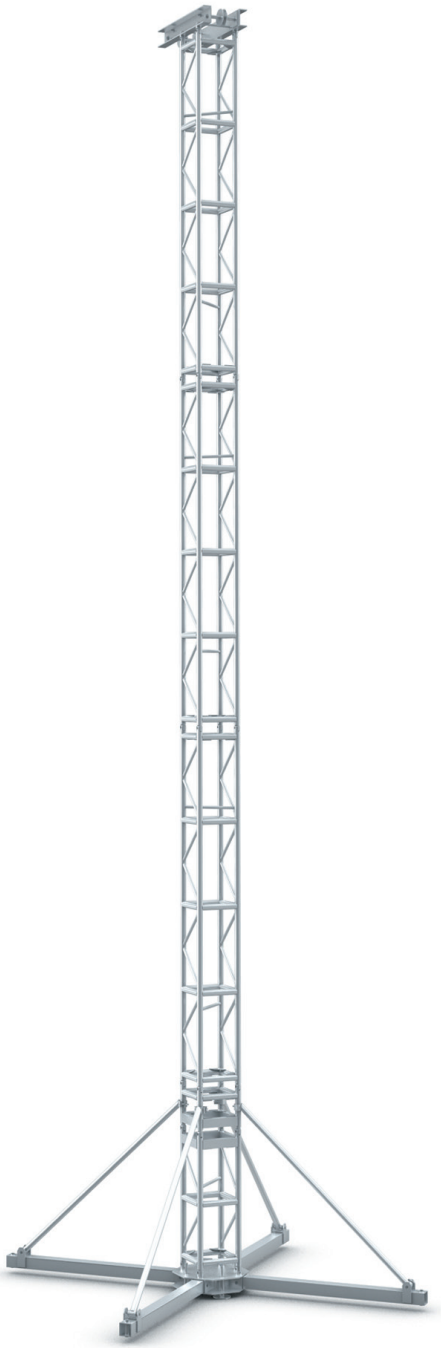
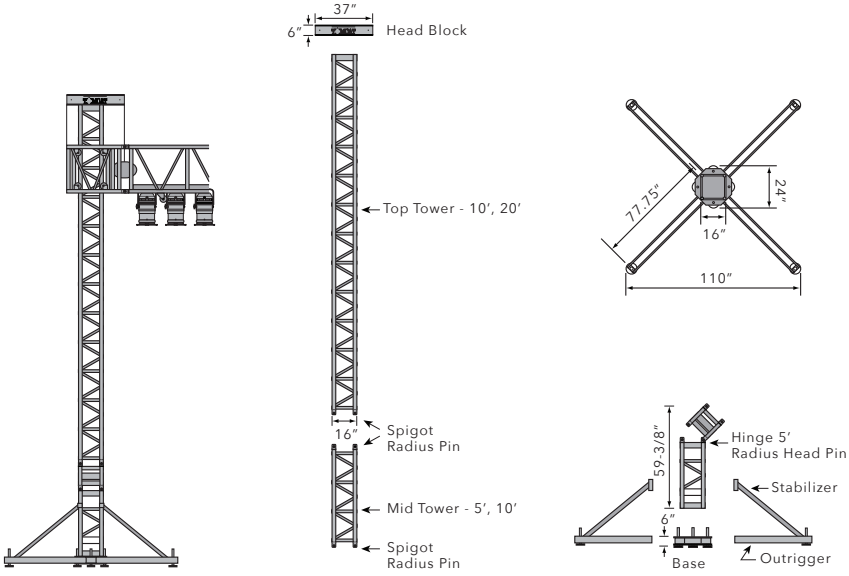
Ground support systems

16" Tower

› Connections are steel spigots & 3/4” clevis pins



16” Tower Configuration



* Standard for GS 5/16“ chain

16” ground system components
Connections are steel spigots & 3/4” clevis pins

Product Description	Item Code	Weight lbs (kgs)
10' 16“ x 16" TOWER TOP SECTION	TC 16G1-120B	116 (53)
20' 16“ x 16" TOWER TOP SECTION	TC 16G1-240B	191 (87)
5' 16“ x 16" TOWER	TC 16G1-060S	63 (29)
10' 16“ x 16" TOWER	TC 16G1-120S	101 (46)
20' 16“ x 16" TOWER	TC 16G1-240S	176 (80)
5' HINGE BLOCK FOR 16" x 16" TOWER (for use with HDPRT Trusses)	TC 16G1-H60B	109 (50)
BASE FOR 16" x 16" TOWER	TC 16G1-BB-2	69 (31)
OUTRIGGER/STABILIZER SET PER TOWER	TC 16G1-OS60-2	151 68)
HEAD BLOCK FOR 16" x 16" TOWER* (for use with HDPRT Trusses)	TC 16G1-HBB	50 (23)
3/4" CLEVIS PIN	TC CP-75	- (-)
RADIUS HEAD 3/4" CLEVIS PIN	TC CP-75R	- (-)
5/8" GRADE 8 BOLT, NUT & WASHERS	TC BOLT SET	- (-)

	16“ Tower
Profile size (square)	16” (40.6 cm)
Indoor Use	Yes
Outdoor Use	Yes
Bolt Connection	No
Spigot Connection	Yes
Maximum Height	45’ (13.72 m)
Max. Axial Load*	4000 lbs (1815 kg)
Max. Flexural Load*	19.98 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.