



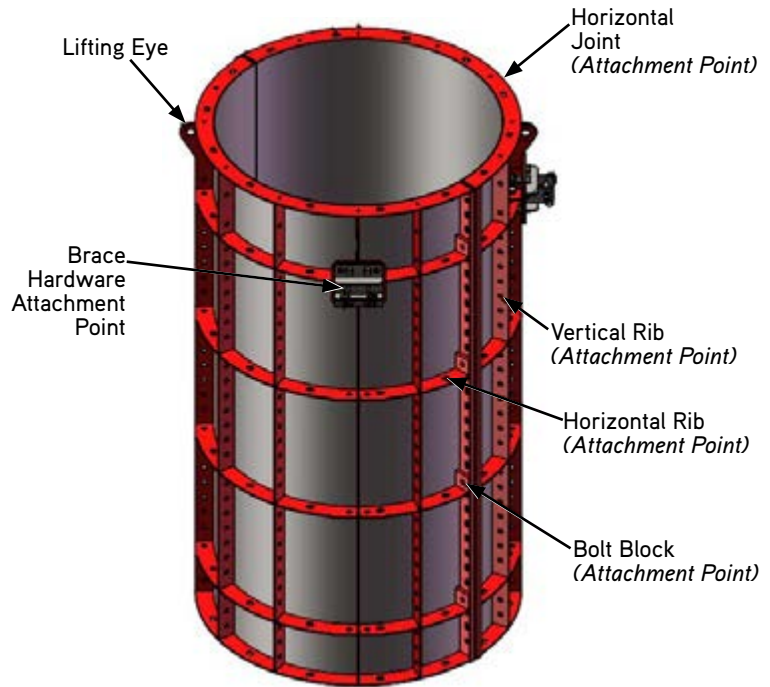
**INTRODUCTION**

The Tower-Max<sup>®</sup> components and accessories illustrated herein have been designed with safety and performance in mind to help achieve a safe and productive forming operation. It's recommended that all construction personnel thoroughly familiarize themselves and comply with the applicable industry standards and safe practices established by the American Concrete Institute (ACI), American National Standards Institute (ANSI), The Occupational Safety and Health Administration (OSHA), and the Scaffolding, Shoring and Forming Institute (SSFI). The maximum allowable pour pressure for the Tower-Max system is up to 3,000 lbs. PSF.

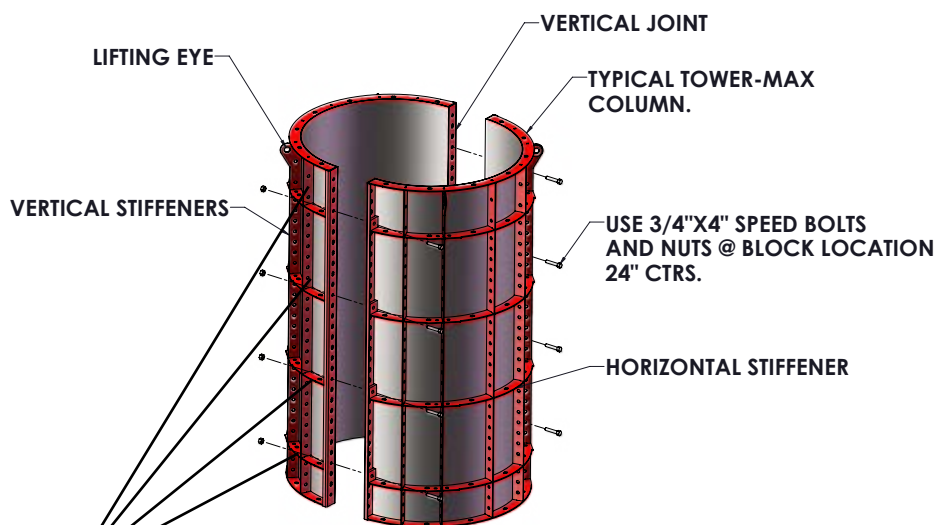
**SYSTEM BASICS**

- 18" - 60" Diameter columns = 3,000 lbs. concrete pressure
- 60" - 96" Diameter columns = 2,000 lbs. concrete pressure
- 18" - 54" Diameters come in 180° sections
- 60" - 96" Diameters come in 90° sections
- Stock Diameters: 18", 20", 24", 30", 36", 42", 48", 54", 60", 66", 72", 84", 96"
- Stock Heights: 8', 4', 2', 1'

**TOWER-MAX COLUMN PANEL NOMENCLATURE**



**TOWER-MAX COLUMN VERTICAL ATTACHMENT**



Tower-Max 90-degree and 180-degree cross-sections are attached by using 3/4" x 4" speed bolts at each bolt block location along the vertical joint.

**KEY ACCESSORIES**



TOWER-MAX HORIZONTAL ATTACHMENT

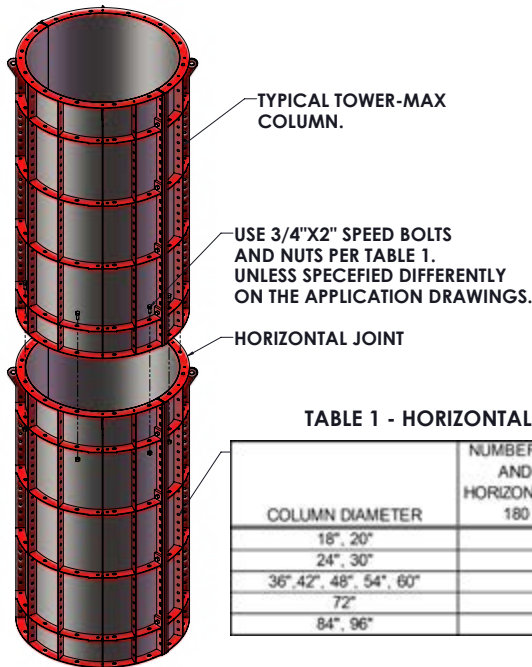


TABLE 1 - HORIZONTAL BOLTING

COLUMN DIAMETER	NUMBER OF 3/4"X2" SPEED BOLTS AND NUTS TO BE USED ON HORIZONTAL BOLTING FLANGE PER 180 DEG. COLUMN FORM.
18", 20"	3
24", 30"	3
36", 42", 48", 54", 60"	4
72"	5
84", 96"	6

TOWER-MAX COLUMN CONNECTION HARDWARE



F32194  
3/4" X 4" Speed Bolt



F32191  
3/4" X 2" Speed Bolt



F32193  
3/4" Speed Nut

- 3/4" Speed Nut secures that attachment of the bolt between two column sections in both attachment orientations
- 3/4" x 4" Speed Bolt used at the bolt block locations in vertical column attachment
- 3/4" x 2" Speed Bolt used in horizontal column attachment
- 3/4" x 2" Speed Bolt used to attach Brace Bracket and accessories

CONCRETE POUR PRESSURE CHART

RATE OF PLACEMENT R, FT. PER HR.	TABLE 1 MAXIMUM LATERAL CONCRETE PRESSURE											
	90°F		80°F		70°F		60°F		50°F		40°F	
	WALLS	COLUMNS	WALLS	COLUMNS	WALLS	COLUMNS	WALLS	COLUMNS	WALLS	COLUMNS	WALLS	COLUMNS
1	663	250	728	263	810	279	920	300	1074	330	1305	375
2	694	350	763	375	850	407	967	450	1130	510	1375	600
3	726	450	798	488	890	536	1013	600	1186	690	1445	825
4	757	550	833	600	930	664	1060	750	1242	870	1515	1050
5	788	650	868	713	970	793	1107	900	1298	1050	1585	1275
6	816	750	903	825	1010	921	1153	1050	1354	1230	1655	1500
7	850	850	938	938	1050	1050	1200	1200	1410	1410	1725	1725
8	881	950	973	1050	1090	1179	1247	1350	1466	1590	1795	1950
9	912	1050	1008	1163	1130	1307	1293	1500	1522	1770	1865	2175
10	943	1150	1043	1275	1170	1436	1340	1650	1578	1950	1935	2400
11	974	1250	1078	1388	1210	1564	1387	1800	1634	2130	—	2625
12	1006	1350	1113	1500	1250	1693	1433	1950	1690	2310	—	2850
13	1037	1450	1148	1613	1290	1821	1480	2100	1746	2490	—	—
14	1068	1550	1183	1725	1330	1950	1527	2250	1802	2670	—	—
15	1099	1650	1218	1838	1370	2079	1573	2400	1858	2850	—	—

NOTES:

1. DATA PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY. FINAL DESIGN SHALL BE BASED ON ACI 347R-14.
2. INDICATED CONCRETE PRESSURE VALUES MUST BE MULTIPLIED BY APPROPRIATE UNIT WEIGHT (Cw) AND CHEMISTRY (Cc) COEFFICIENTS AS DEFINED IN TABLES 2 AND 3 BELOW.
3. THIS TABLE IS ONLY VALID FOR CONCRETE WITH A SLUMP LESS THAN OR EQUAL TO 7" MEASURED AFTER THE ADDITION OF ALL ADMIXTURES.
4. INTERNAL VIBRATION SHALL BE LIMITED TO A DEPTH OF NO MORE THAN 4', NO OTHER MEANS OF VIBRATION ARE PERMITTED.
5. WALLS ARE DEFINED AS VERTICAL ELEMENTS WITH AT LEAST ONE PLAN DIMENSION EXCEEDING 6'-6".
6. MAXIMUM PRESSURE FOR WALLS LESS THAN 14' IN HEIGHT WITH A POUR RATE LESS THAN 7 FT/HR MAY BE CONSIDERED COLUMNS.
7. COLUMNS ARE DEFINED AS VERTICAL ELEMENTS WITH NO PLAN DIMENSION EXCEEDING 6'-6".
8. RE-VIBRATION OF SETTING CONCRETE WILL CAUSE THE CONCRETE TO REVERT BACK TO A LIQUID STATE. IF RE-VIBRATION IS REQUIRED, THE LATERAL PRESSURE MUST BE CALCULATED AS FULL LIQUID HEAD TO THE DEPTH OF THE RE-VIBRATION.