

### TECHNICAL DATA

#### DESCRIPTION

The Max-A-Form STS forming system is the Industry leader in rentable, self-spanning, steel formwork. Its superior pour pressure and moment capacities result in labor and material savings for the end user. The all-steel, welded frame make it the ideal choice for gang forming tall structural walls, pouring tieless columns, or for supporting concrete over long spans without shoring or custom equipment.

#### 140K ANCHOR BRACKETS

Anchor Brackets are available in several configurations to meet specific concrete forming requirements.

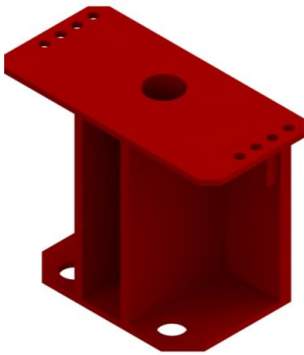
Anchor Brackets come in 12, 25, 40, 70, 140-, and 300-KIP capacities. They provide heavy duty capability for concentrated loading applications.

#### 140K SCREW/SAND JACKS

High-capacity screw jacks allow height adjustments. Multiple -hole positioning provides support for overhanging pier caps

#### 140K IMBEDS

The Symons® Max-A-Form® STS 140K Imbed are installed in the supporting concrete before it's poured. An imbed acts as a sleeve or guide for the Thru Bolts.



**Note: 140 KIP denotes the allowable capacity at a 2:1 Factor of Safety**

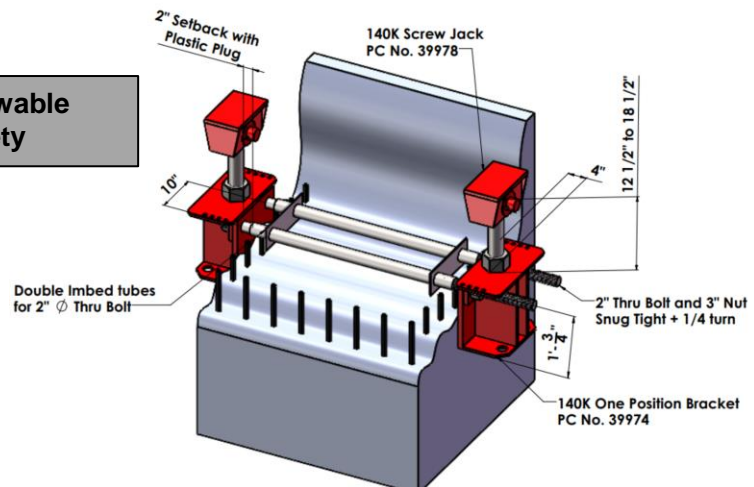
#### 140K SPREADER BEAMS

Although the anchor brackets can support 70K and 140K respectively, the Max-A-Form STS panel cannot transfer those loads without the use of Spreader Beams. If the load to be transferred from the panel to the bracket exceeds 25,000 pounds, then a spreader beam may be required.

The 70K beam is 3'-0" long and 8" deep. The 140K beam is 5'-11½" long and 19½" deep.

#### BEAM BRACES

A 140K Beam Brace is to be used at either end of the Spreader Beams for added stability. It attaches with ¾" bolts and nuts. Spreader Beams must be bolted to panels and tied down to anchor brackets



#### 140K One Position Bracket PC No. 39974

Nominal Thru Bolt Diameter (in)	Imbed Setback (in)	Imbed Diameter (in)	Thru Bolts Spacing (in)	With 3,000 psi Concrete			
				Total Shear (lbs.)	Total Tension (lbs.)	Shear Per Thru Bolt (lbs.)	Tension Per Thru Bolt (lbs.)
2	2	2.5	10	140,000	44,000	70,000	22,000

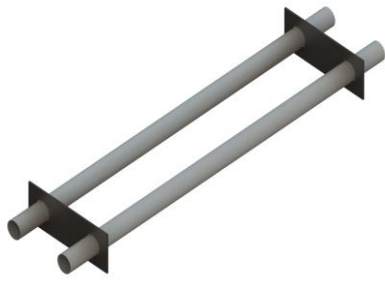
Minimum edge distance is 12" please contact our engineering department if there is a smaller edge distance

#### 140K Two Position Bracket PC No. 39994

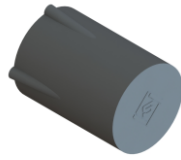
Nominal Thru Bolt Diameter (in)	Imbed Setback (in)	Imbed Diameter (in)	Thru Bolts Spacing (in)	With 3,000 psi Concrete			
				Total Shear (lbs.)	Total Tension (lbs.)	Shear Per Thru Bolt (lbs.)	Tension Per Thru Bolt (lbs.)
2	2	2.5	10	140,000	75,600	70,000	37,800

Minimum edge distance is 12" please contact our engineering department if there is a smaller edge distance

### 140 KIP PRODUCT I.D. CHART



Part#: F39847  
Description: 140K 5 Ft. Imbed  
Weight: 15.62 lbs.



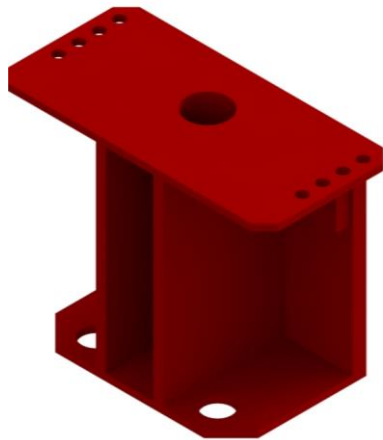
Part#: F39104  
Description: Imbed Cap  
Weight: .20 lbs.



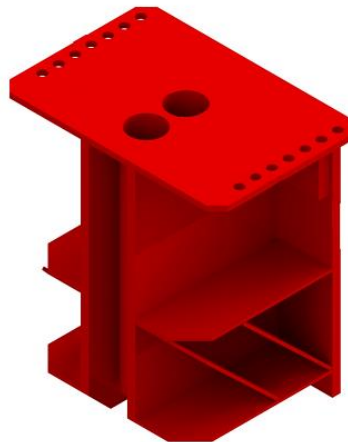
Part#: F39650  
Description: 140K Screw/Sand Jack  
Weight: 173 lbs.



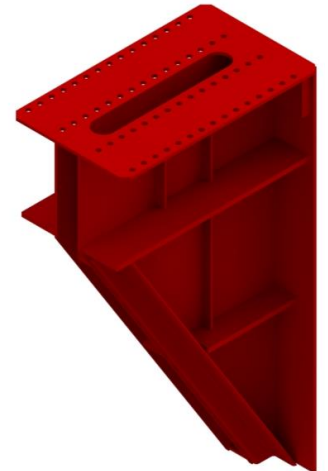
Part #: F39978  
Description: 140K Screw Jack  
Weight: 138 lbs.



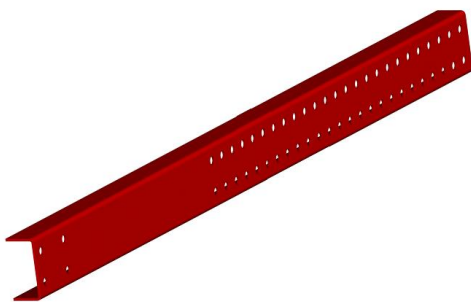
Part#: F39974  
Description: 140K 1-position Anchor Bracket  
Weight: 188 lbs.



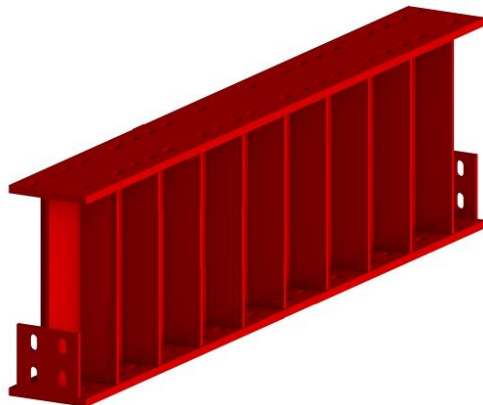
Part#: F39994  
Description: 140K 2-position Anchor Bracket  
Weight: 303 lbs.



Part#: F39815  
Description: 140K Offset Bracket  
Weight: 910 lbs.



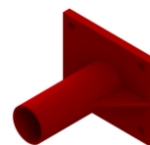
Part#: F39971  
Description: 140K Brace  
Weight: 65 lbs.



Part#: F39970  
Description: 140K Spreader Beam  
Weight: 516



Part#: F39864  
Description: 2" x 5'8" thru-bolt w/nut  
Weight: 67 lbs.



Part#: F39816  
Description: 140K Bearing Plate  
Weight: 22 lbs.



Part#: F39638  
Description: 1/4" Hold Down Rod x 24"  
Weight: 2 lbs.