NATIONAL
FORMING SYSTEMS

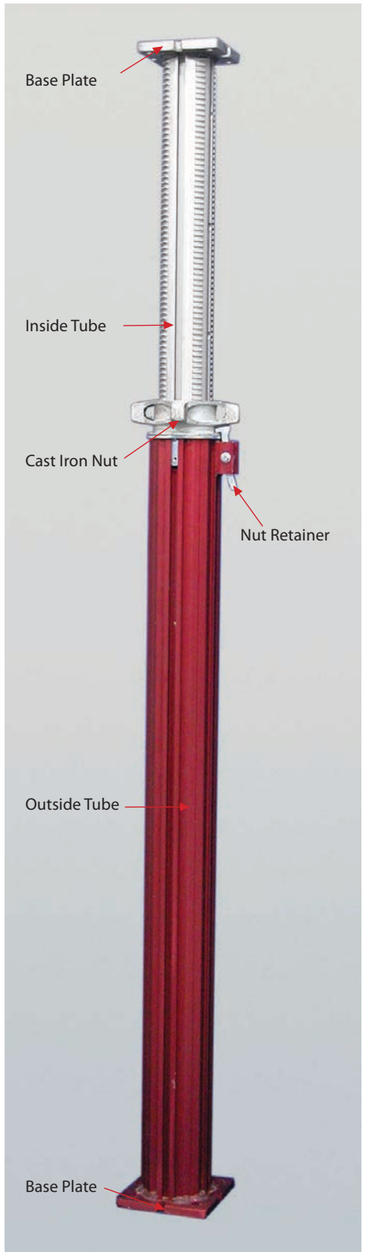
MEGA Shores

- **The ultimate load support**

ALUMINUM POST SHORES - Light weight and high load capacity

MEGA Shores represent a new generation of single shoring equipment. They were developed as a result of the demand for single high load support members, that are light weight, versatile and economical.

With MEGA Shores, ratio between forming area and man hours is cut to half, as MEGA Shore capacity is more than double compared to conventional steel single prop equipment. MEGA Shores have also ideal ratio between weight factor to capacity.

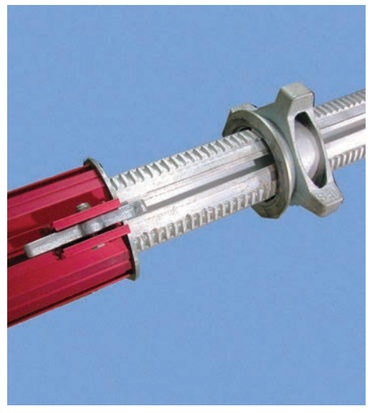


MEGA Shores are made of high strength aluminum alloy. They consist of an outside and inside tube with a welded heavy duty base plate on one end. Outside tube is powder coated and has four longitudinal slots for cross brace attachment or space frame attachment. Inside tube is plain aluminum with four longitudinal slots for cross brace attachment and has four self cleaning treaded wings to support cast iron nut.

Base Plate secured in position with NFS Beam Clip to 190 Aluminium Beam or H-750 Beams.

Splicing of Base Plates with four bolts when two MEGA Shores are placed one on top of another.

Cast Iron Nut secured by Nut Retainer, holds inside tube.



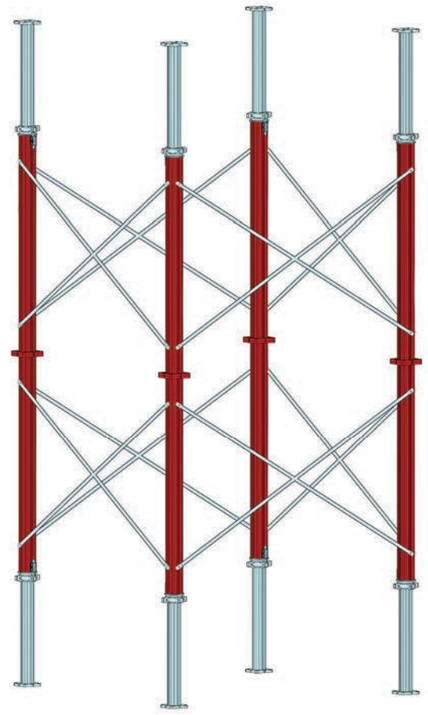
Cast Iron Nut free from **Nut Retainer**, for fast height adjustment.

Note: This product is available for Canadian market only.

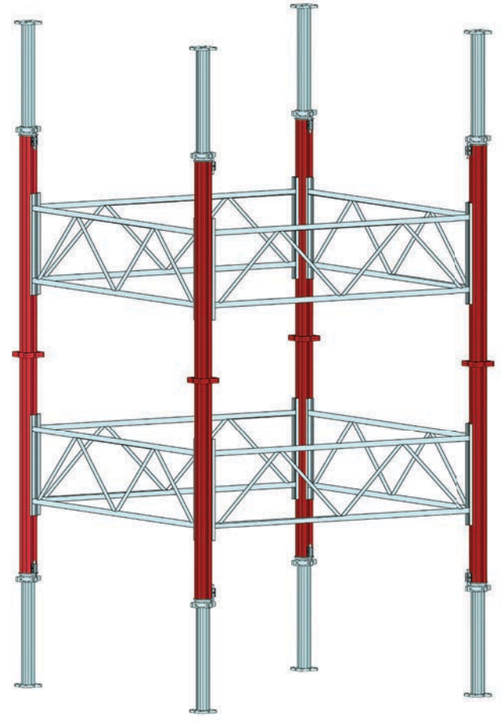
MEGA TOWER - Maximized load bearing capacity

Four MEGA Shores, braced in between, form a MEGA Tower. A MEGA Tower is assembled in order to provide required lateral stability and maximize load bearing capacity of MEGA Shores.

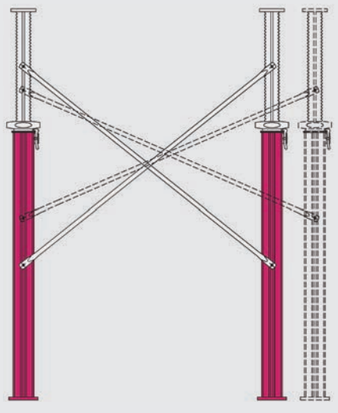
Lateral bracing in between MEGA Shores could be done with Cross Braces or Bracing Frames, attached with NFS Beam Clips to Outside or Inside Tubes, having four longitudinal slots to accept T-Bolt of NFS Beam Clips.



Lateral bracing with **Cross Braces**



Lateral bracing with **Bracing Frames**



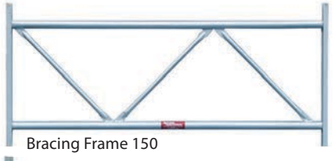
Cross Brace connection to Mega Shore

Spacing between MEGA Shores is not predetermined by size of brace.

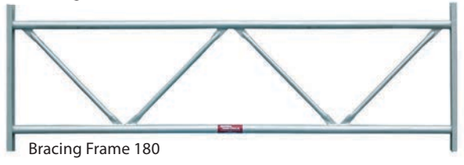
Inside Tube

Outside Tube

Bracing Frame connection to MEGA Shore



Bracing Frame 150



Bracing Frame 180

MEGA SHORES MS-500 - Rolling table forms

MEGA Shores MS-500 used in the assembly of rolling forming structures, consisting of A-Frame Table Forms supported with laterally braced MEGA Shores, placed on longitudinal H-750 Beams.

This forming system proved to be a very efficient, time saving and ideal for shoring of high and large slab areas requiring multiple repetitions.

Costco
Vancouver,B.C.
605 Expo Boulevard,
Vancouver, Canada

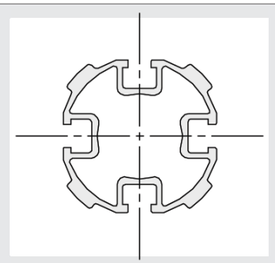
MEGA SHORE MS-300 - MODUDECK Support

MEGA Shores MS-300 with Drop Heads are used to support the MODUDECK, a panel slab forming system.

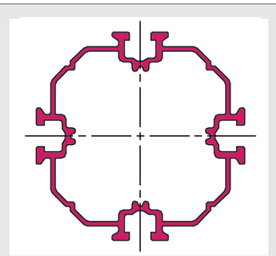
High capacity of MEGA Shores and MODUDECK Panels provide support for 400 mm slab thickness. Result is one MEGA Shore per 4.5 m^2 of suspended slab area. MODUDECK System having MEGA Shores and MODUDECK Panels is one of the most efficient slab forming systems available.

NATIONAL FORMING SYSTEMS

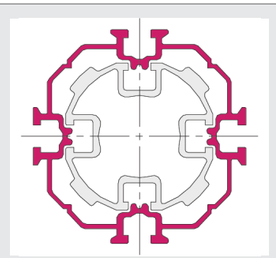
DESIGN DATA - MEGA Shores



Inside Tube



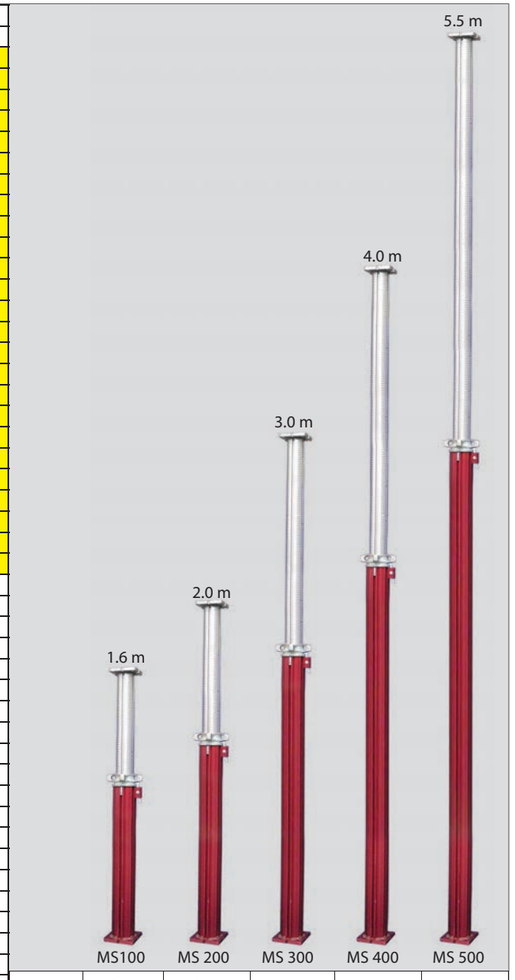
Outside Tube



MEGA Shore Assembly

SAFE WORKING LOAD

Extension		MS 100		MS 200		MS 300		MS 400		MS 500	
m	ft	kN	Kip's	kN	Kip's	kN	Kip's	kN	Kip's	kN	Kip's
5.50	18.00									24.50	5.50
5.40	17.71									25.70	5.78
5.30	17.38									26.70	6.00
5.20	17.06									27.70	6.23
5.10	16.73									28.80	6.47
5.00	16.40									30.00	6.74
4.90	16.07									31.20	7.01
4.80	15.74									32.50	7.31
4.70	15.42									33.90	7.62
4.60	15.09									35.40	7.96
4.50	14.76									37.00	8.32
4.40	14.43									38.70	8.70
4.30	14.10									40.50	9.11
4.20	13.78									42.50	9.55
4.10	13.45									44.60	10.02
4.00	13.12							46.80	10.53	46.80	10.53
3.90	12.79							49.20	11.07	49.20	11.07
3.80	12.46							51.90	11.66	51.90	11.66
3.70	12.14							54.70	12.30	54.70	12.30
3.60	11.81							57.80	12.99	57.80	12.99
3.50	11.48							61.10	13.75	61.10	13.75
3.40	11.15							64.80	14.57	64.80	14.57
3.30	10.82							68.80	15.46	68.80	15.46
3.20	10.50							73.20	16.45	73.20	16.45
3.10	10.17							77.90	17.52	77.90	17.52
3.00	9.84					83.20	18.71	83.20	18.71		
2.90	9.51					89.10	20.02	89.10	20.02		
2.80	9.18					95.50	21.48	95.50	21.48		
2.70	8.86					102.80	23.10	102.80	23.10		
2.60	8.53					107.30	24.13	107.30	24.13		
2.50	8.20					110.10	24.74	110.10	24.74		
2.40	7.87					112.80	25.36	112.80	25.36		
2.30	7.54					115.50	25.97	115.50	25.97		
2.20	7.22					118.30	26.59	118.30	26.59		
2.10	6.89			121.00	27.20	121.00	27.20				
2.00	6.56			123.70	27.82	123.70	27.82				
1.90	6.23			126.50	28.43	126.50	28.43				
1.80	5.90			129.20	29.05	129.20	29.05				
1.70	5.58			132.00	29.66	132.00	29.66				
1.60	5.25	134.70	30.28	134.70	30.28						
1.50	4.92	137.40	30.90	137.40	30.90						
1.40	4.59	140.20	31.51	140.20	31.51						
1.30	4.26	142.90	32.13	142.90	32.13						
1.20	3.94	145.60	32.74								
1.10	3.61	148.40	33.36								
1.00	3.28	151.10	33.97								



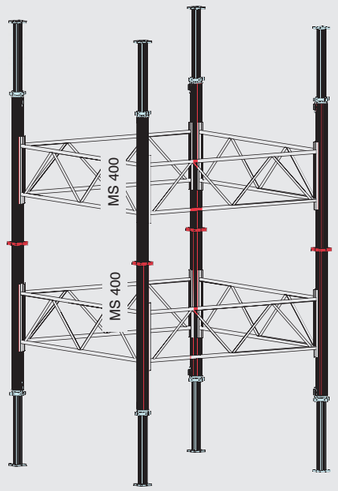
Weight kg	14.4	17.0	20.2	27.3	35.0
Weight lb	31.8	37.4	48.2	60.2	77.0

DESIGN DATA - MEGA Towers

Safe working load per leg

Tower Height		MS 400+MS 400	
m	ft	kN	Kip's
8.10	26.57	46.8	10.53
7.80	25.58	49.2	11.07
7.50	24.60	54.7	12.30
7.20	23.62	57.8	12.99
6.90	22.63	61.2	13.75
6.60	21.65	68.8	15.46
6.30	20.66	73.2	16.45
6.00	19.68	83.2	18.71
5.70	18.70	89.1	20.02
5.40	17.71	102.8	23.10
5.10	16.73	107.3	24.13
4.80	15.74	112.8	25.36
4.50	14.76	115.5	25.97

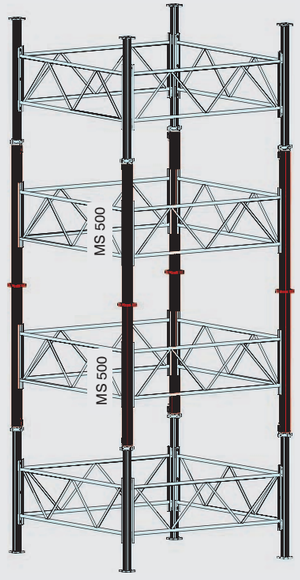
F.O.S. 1 : 2.5



Safe working load per leg

Tower Height		MS 500 + MS 500	
m	ft	kN	Kip's
11.10	36.41	25.7	5.78
10.80	35.42	25.7	5.78
10.50	34.44	26.7	6.00
10.20	33.46	28.8	6.47
9.90	32.47	30.0	6.74
9.60	31.49	32.5	7.31
9.30	30.50	33.9	7.62
9.00	29.52	37.0	8.32
8.70	28.54	38.7	8.70
8.40	27.55	42.5	9.55
8.10	26.57	42.5	9.55
7.80	25.58	49.2	11.07
7.50	24.60	51.9	11.66
7.20	23.62	57.8	12.99
6.90	22.63	61.2	13.75
6.60	21.65	68.8	15.46

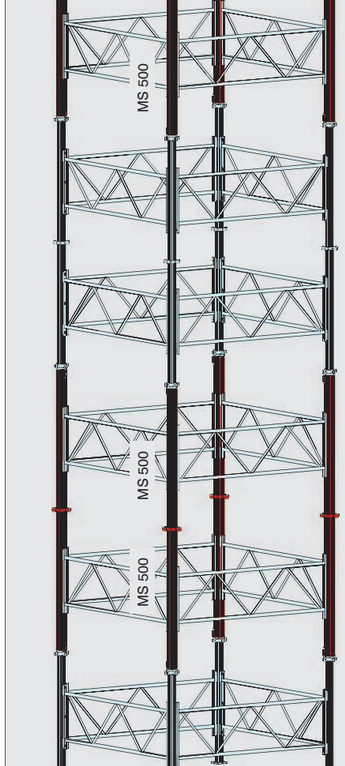
F.O.S. 1 : 2.5



Safe working load per leg

Tower Height		MS 500 + MS 500 + MS 500	
m	ft	kN	Kip's
16.20	53.14	25.7	5.78
15.90	52.15	26.7	6.00
15.60	51.17	27.7	6.23
15.30	50.18	28.8	6.47
15.00	49.20	30.0	6.74
14.70	48.22	31.2	7.01
14.40	47.23	32.5	7.31
14.10	46.25	33.9	7.62
13.80	45.26	35.4	7.96
13.50	44.28	37.0	8.32
13.20	43.30	38.7	8.70
12.90	42.31	40.5	9.11
12.60	41.33	42.5	9.55
12.30	40.34	44.6	10.02
12.00	39.36	46.8	10.53
11.70	38.38	49.2	11.07
11.40	37.39	51.9	11.66
11.10	36.41	54.7	12.30
10.80	35.42	57.8	12.99
10.50	34.44	61.2	13.75
10.20	33.46	64.8	14.57
9.90	32.47	68.8	15.46
9.60	31.49	73.2	16.45
9.30	30.50	77.9	17.52

F.O.S. 1 : 2.5



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