CUPLOCK SYSTEM

Product Catalogue & Product Load Data

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Introduction:

Technocraft is a multi-product multinational group, which was established in 1972 by a group of technologists with the aim of manufacturing high precision and sophisticated products, for discerning worldwide markets. Technocraft enjoys a significant position in five main business industries, Scaffolding & Formwork Systems, Drum Closures, Pipes & Tubes, Engineering Services, and Cotton Yarn. We are an ISO 9001:2015 certified company. Headquartered in Mumbai (India), with overseas offices and warehouses in Manchester (U.K.), Lodz (Poland) & Budapest (Hungary), Chicago (U.S.A.), Houston (U.S.A.), and Quanjiao (China). Technocraft has attained an important qualification as a government-recognized Foreign Trading House.

Vision:

To lead the industry by providing innovative products, solutions, and support that exceed expectations.

Mission:

To positively impact the global community by providing Safe, Efficient, and Customer focused solutions in the factory and on the job site.

Values:

Quality – Trust – Leadership – Commitment – Innovation

Our Company:

The Technocraft family consists of more than 3000 skilled workers, technicians, and technologists. All of them are working towards the common goal of delivering the best quality products to our customers, around the world. The manufacturing process is continuously reviewed and upgraded with the latest technology to yield higher productivity and improved quality product. There are five manufacturing plants located near Mumbai, India providing over 50,000 square meters of production space. There is one location in China providing over 33,000 Square meters of production space.

Our History:

The company launched its first major export drive in 1977. It was recognized as an export house by the government of India in 1979. The company has won a number of awards for export excellence, since its inception, including the “Best Export Performance” awarded by the Prime Minister of India.

Milestones:

1972 – Opened first manufacturing unit for Drum Closures

1977 – Launched first major export drive

1979 – Recognized as an Export House

1980 – Expanded Drum Closure Capacity

1993 – Setup its first foreign subsidiary in the UK

1994 – Acquired Maharashtra Steel Tubes Limited

1997 – Yarn Unit opens, 100% EOU

1998 – Subsidiary in Poland opens

2000 – Subsidiary in Hungary opens

2000 – Awarded the National Award for Export Excellence by the Ministry of Commerce and Industry,

Award Presented by the Prime Minister of India "Shri. Atal Bihari Vajpayee."

2000 – Technosoft Information Technologies, begins providing Engineering Software and Design Services.

2001 – Awarded Export Excellence Award for all steel products by the Engineering Export Promotion Council – Maharashtra.

2003 – Began marketing Garments as – Danube Fashions Limited

2004 – Received the 3 Star Export House Certificate

2005 – Subsidiary in Germany opens

2005 – Launched "Haute Chilli" Brand in India

2006 – Subsidiary in Australia opens

2006 - Filed the DRHP with SEBI

2007 – Listed on the Mumbai Stock Exchange and the National Stock Exchange

2008 – Built 15MW power plant

2009 – Established manufacturing plant in CHINA

2010 – Joint Venture with a Canadian company for manufacturing building formworks

2011 – Expanded product offering to include the Design & Manufacturing of custom formwork for Infrastructure Projects and Transmission & Telecom Towers

2013 – Acquired Calgary-based EPCM Company – Swift Engineering Inc.

2015 – Acquired AA International Trading LL (AAIT), in the U.S.A., to establish a full scale

scaffold distribution presence in North America.

2015 – Opened a new Distribution yard in Houston, U.S.A.

2015 – Received star Export performer award from EEPC. India

2016 – Introduced the Mach Brand of Scaffolding & Formwork Products

2018 – Introduced Mach One Monolithic Formwork system

2019 – Released the Mach Shoring Frame system for the Australian market.

2020 – Began the sale and distribution of an Access Frame system in North America.

2021 – Developed a Narrow Soldier System for the New Zealand market.

2022 – Developed a Shoring Frame System for the USA market.

2023 – Developed Mäch AluPly Aluminium Wallform System for Global Market.

Technical Services:

Technocraft Industries has a staffed Design and Engineering department. This group provides innovative solutions to ever-changing challenges in the scaffold, shoring, and forming industry. They work closely with customers so that expectations are met and the project is kept on time and on budget.

Product Range:

Technocraft Industries has been manufacturing and developing new and innovative products for the scaffold and formwork industries since 1998. We offer a full range of Formwork, Industrial and Commercial scaffold products that meet or exceed industry standards.

Quality Standards:

Technocraft Industries follows BS, EN, AS/NZS, IS and ASTM standards in the designing and production of Scaffolding and Formwork systems. Production is strictly controlled within the tolerance of these standards using the latest production methods and modern machinery. Our Quality Control team is selected from long-serving and experienced personnel. The Quality Team is trained and supervised by Engineers. Products are checked during production to ensure the delivered product is on time and meets the customer's specifications and requirements. The company strictly follows the ideals of ISO 9001 and "Total Quality Management" applying these principles as a part of day-to-day operations.

Technical Know-How:

Technocraft Industries has been working in this field since 1998, our experienced technical team has the knowledge and ability to design and manufacture scaffolding & formworks systems. We have expertise in castings, forgings, press work and general fabrication allowing us to produce the products our customers need, exceeding their expectations. Knowledge and experience along with design and structural calculation enable Technocraft Industries to provide design services to their customers.

Technocraft's Advantage:

Technocraft is focused on their customer, understanding their needs, requirements, and expectations. This focus allows Technocraft to design processes, procedures and tooling in a manner that delivers products to the customer that meet required specifications and perform as expected. Technocraft is a vertically integrated manufacturer, from slitting to packing the manufacturing process occurs within the walls of their factory. This allows them the ability to monitor and control all aspects of production, keeping costs low and quality high.

Infrastructure:

1) Toolroom with up to date machinery
    1) Electronic discharge Machines (EDM)
    2) Vertical Machining Centre (VMC)
    3) CNC Lathe Machines, Shapers and other conventions machines.
    4) Surface and Cylindrical Grinders
    5) Wire Cut Machines
    6) Drill Machines
2) Mechanical Presses with the capacity of 20 tons to 1000 tons
3) Hydraulics presses, press brakes and shearing machines up to 4.2m wide, up to 340 tons.
4) Welding Machines (MIG-MAG)
5) Bolt forming Headers with Thread rolling and Trimming Machines
6) Induction melting Furnace with the capacity of 500kgs / 350 KW
7) Forging press up to 1600 tons
8) Slitting line up to 8mm x 1800mm wide.
9) Three complete Tube rolling lines with open and close profile sections like round, square, rectangular and special wall form profile, steel planks etc.
10) Two Complete Hot Dip Galvanizing lines
11) Powder Coating line
12) Complete painting unit and Electro-plating line.

The **BEST** is yet to come

Inspection, Measuring and Testing equipment:

1) Digital Height Master with Granite table 250mm × 1000mm × 2000mm
2) Co-ordinate Measuring Machine (C.M.M). Machine size: X-600, Y-800, Z-500
3) Profile projector with 10X magnified
4) ULTRA PRECISION TRIPLE SCAN LASER,
5) Digital Height master
6) Digital Vernier and Trammels up to 4.0meters
7) Hardness Testing Machine
8) V-notch Charpy Impact Testing Machine
9) Spectrometer for chemical analyses
10) Salt spray testing machine
11) Ultrasonic Testing Machine (UT) and Magnetic Particle Testing Machine (MPT)
12) Universal Testing Machines 400kN and 600kN.
13) Post shore / prop testing machine up to 5.0m height
14) Point and UDL load testing machine up to 3.0m length product
15) 3 Tier and 1 Tier load testing machines to find vertical leg loads up to 6.5m height.
16) 10 meter length Truss & Lattice girder UDL & Point Load testing machine.

Our Quality Policy:

TECHNOCRAFT is committed to being a leader in the design and manufacturing of scaffolding and will always deliver high-quality, innovative, products that meet or exceed our customers' expectations and requirements.

TECHNOCRAFT is committed to delivering defect-free products on schedule and on budget while maintaining compliance with applicable regulatory and industry standards.

- Welding Standards conform to AWS D1.1 / D1.1M and ISO 3834
- Welding Certification per EN 1090-2 and EN 1090-3 from SLV, Germany.
- Product certification for European Props as per EN 1065:1998 from Sigma Karlsruhe, Germany.
- Cuplock System tested as per EN 12810/12811 at Oxford University England.
- Proven Quality System from Design to Delivery and beyond.
    - Selection of proper material and purchased from directly steel manufacturers only.
    - Material Testing (In-house & reputed Labs).
    - Material identification system.
    - Material review process before the material is released for production.
    - In-Process Quality monitoring system to ensure quality at every stage.
    - Periodic calibration of all measuring instruments, testing equipment, and Gauges.
    - Product testing
- Traceability, all products are marked with a code that identifies the batch and supporting process control documents.

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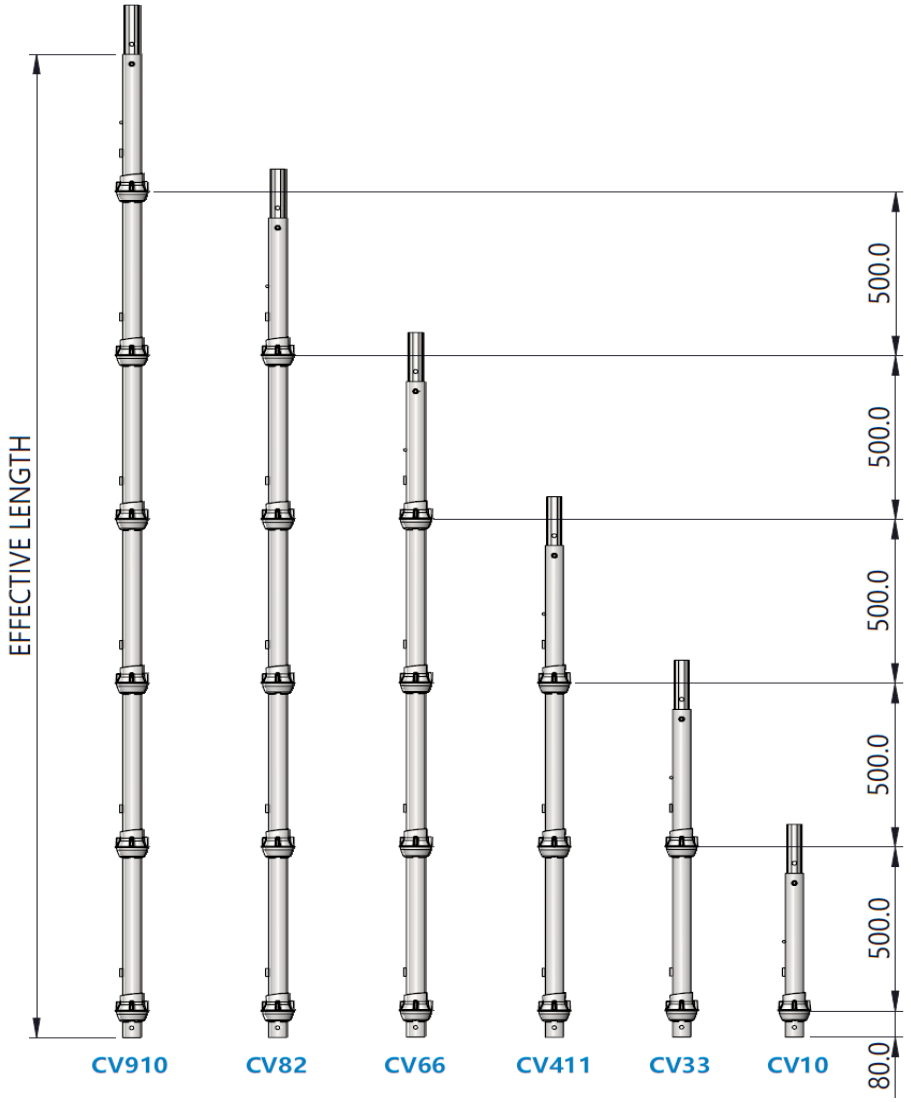
Cuplock System - Product Identification

STANDARDS & VERTICALS

Standards are the vertical component of Cuplock scaffold. Cups are spaced every 19.7” (500 mm) on the tube and provide a point of attachment for various components that are used to create a scaffold structure.

Material: High Strength Steel **Finish:** HDG

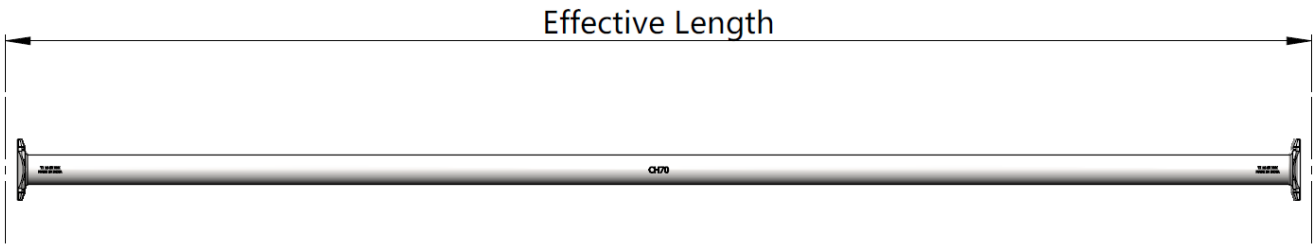


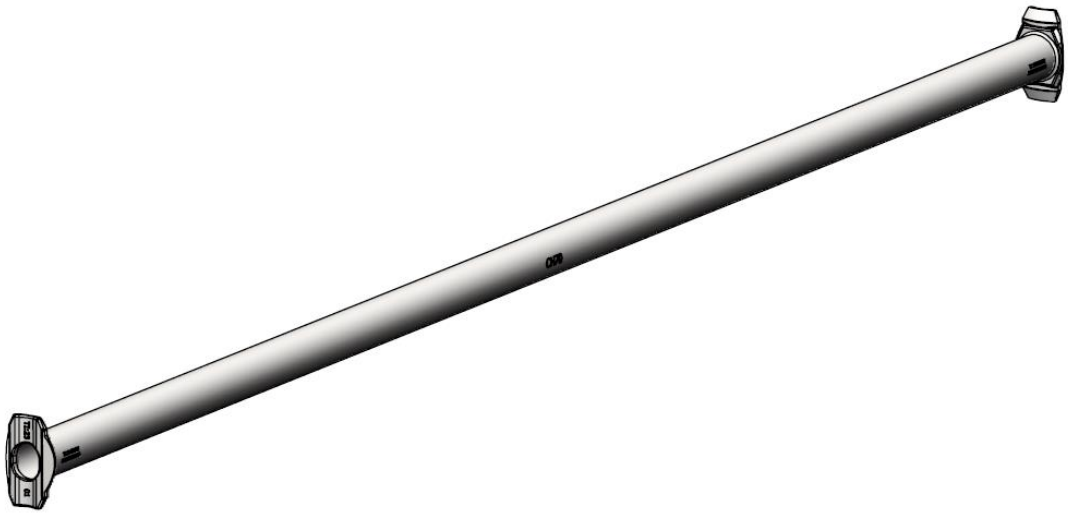
Product Code	Description	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CV910	Standard / Vertical With Bolted Spigot 3.0 m.	9'-10"	3000.0	35.4	16.1	Rack	125
CV82	Standard / Vertical With Bolted Spigot 2.5 m.	8'-2"	2500.0	29.7	13.5	Rack	125
CV66	Standard / Vertical With Bolted Spigot 2.0 m.	6'-6"	2000.0	24.2	11.0	Rack	125
CV411	Standard / Vertical With Bolted Spigot 1.5 m.	4'-11"	1500.0	18.6	8.4	Rack	125
CV33	Standard / Vertical With Bolted Spigot 1.0 m.	3’-3”	1000.0	13.2	6.0	Rack	125
CV10	Standard / Vertical With Bolted Spigot 0.5 m.	1’7"	500.0	7.4	3.4	Rack	250

LEDGER / TRANSOM

Ledgers and Transoms are horizontal members that are used to form a scaffold bay by setting the distance between the standards. They also can be used for the top rail and knee rail as part of the guard rail system. Shorter ledgers, called transoms, can be used to support plank. AAIT/ Technocraft recommends using a double ledger as a transom for bays 6 feet or wider.

Material: High Strength Steel **Finish**: HDG



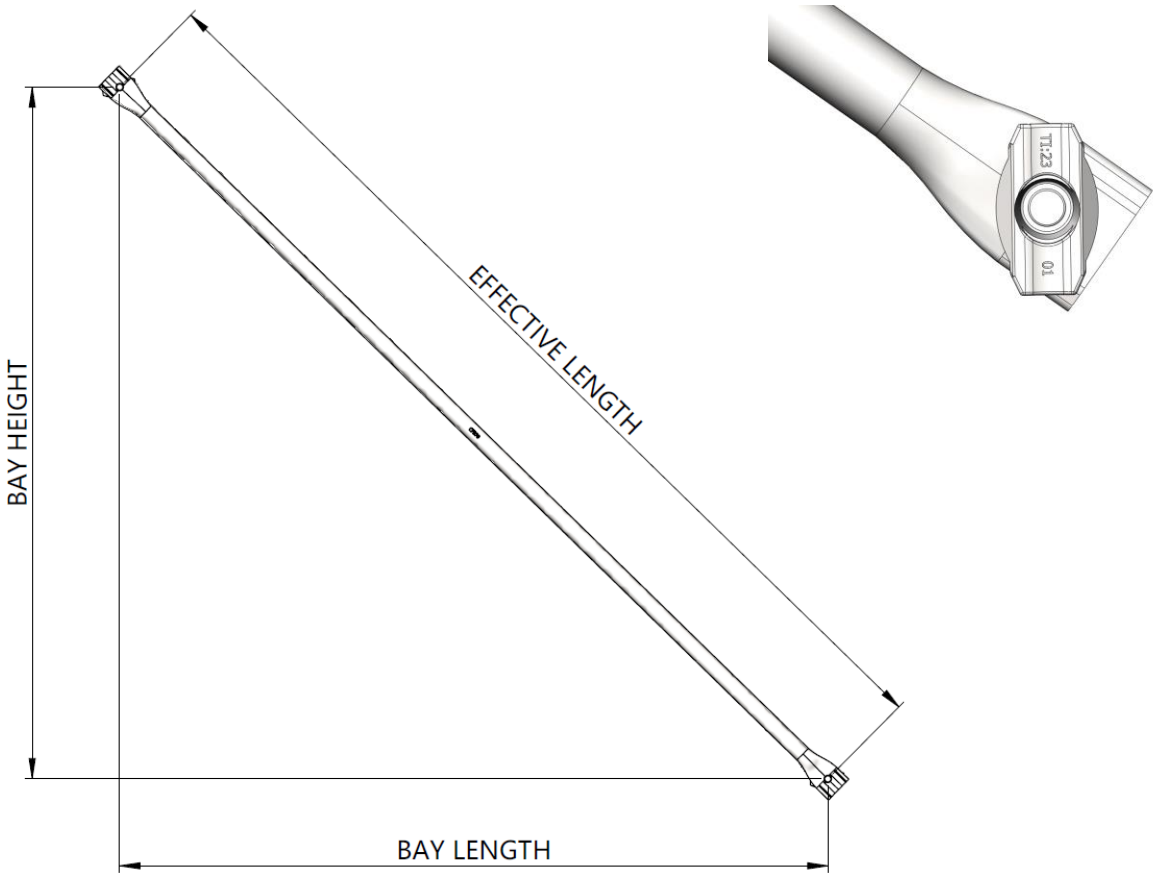


Product Code	Description	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CH10	Horizontal Ledger 0.30m	1'	305.0	3.01	1.37	Basket	500
CH10-20	Horizontal Ledger 0.36m	1'2"	356.0	3.74	1.70	Basket	500
CH110	Horizontal Ledger 0.56m	1'-10 1/32"	559.6	5.06	2.30	Rack	400
CH20	Horizontal Ledger 0.61m	2'	610.0	5.54	2.52	Rack	400
CH27	Horizontal Ledger 0.79m	2'-7 1/32"	788.0	6.91	3.14	Rack	150
CH211	Horizontal Ledger 0.90m	2'-11"	900.0	7.70	3.50	Rack	150
CH30	Horizontal Ledger 0.91m	3'	914.4	7.74	3.52	Rack	200
CH36	Horizontal Ledger 1.07m	3'6"	1066.8	8.93	4.06	Rack	150
CH40	Horizontal Ledger 1.22m	4'	1219.2	10.21	4.64	Rack	150
CH41	Horizontal Ledger 1.25m	4'1.25"	1250.0	10.43	4.74	Rack	150
CH411	Horizontal Ledger 1.50m	4'11"	1500.0	12.32	5.60	Rack	150
CH50	Horizontal Ledger 1.52m	5'	1524.0	12.58	5.72	Rack	150
CH52	Horizontal Ledger 1.57m	5'2"	1572.0	13.51	6.14	Rack	150
CH54-A	Horizontal Ledger 1.57m	5'4"	1626.0	13.95	6.34	Rack	150
CH511	Horizontal Ledger 1.80m	5'10.875"	1800.0	14.63	6.65	Rack	150
CH60	Horizontal Ledger 1.83m	6'	1828.8	15.05	6.84	Rack	150
CH69	Horizontal Ledger 2.07m	6'9"	2072.0	17.64	8.02	Rack	150
CH70	Horizontal Ledger 2.13m	7'	2133.6	17.38	7.90	Rack	150
CH80	Horizontal Ledger 2.44m	8'	2438.4	19.76	8.98	Rack	150
CH82	Horizontal Ledger 2.50m	8'2"	2500.0	20.15	9.16	Rack	150
CH90	Horizontal Ledger 2.74m	9'	2743.2	21.74	9.88	Rack	150
CH100	Horizontal Ledger 3.05m	10'	3048.0	24.46	11.12	Rack	150

SWIVEL FACE BRACE

Swivel Face Brace are used to stiffen a scaffold. They also can be used in conjunction with the stair system to act as handrails and mid-rails.

Material: High Strength Steel **Finish:** HDG

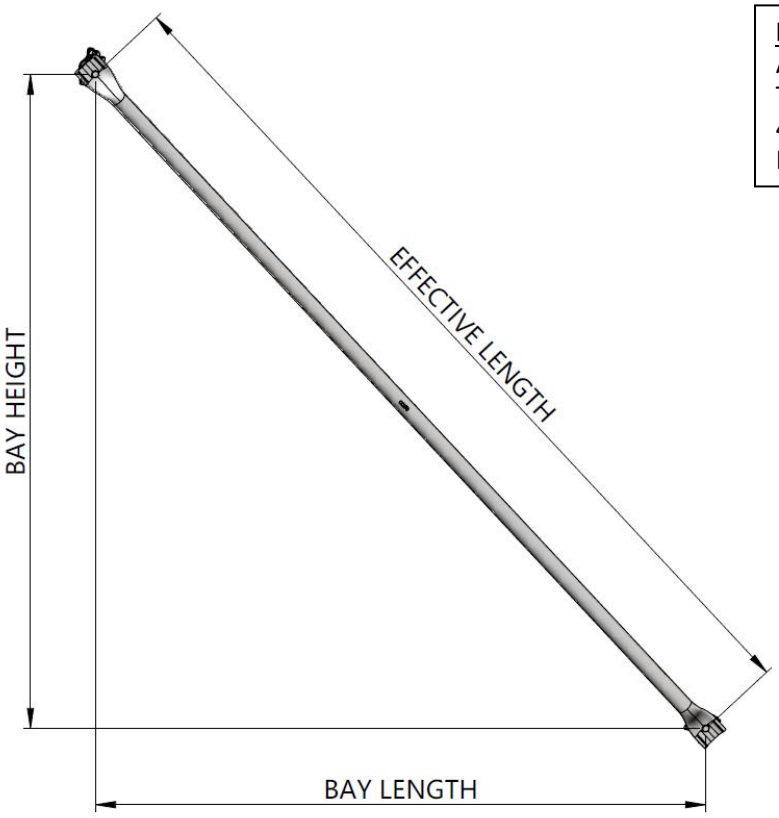


Product Code	Description Length x Height	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CFB50	Swivel Face Brace 1524 x 2000	8'3"	2515.0	16.9	7.7	Rack	200
CFB70	Swivel Face Brace 2133 x 2000	9'7"	2925.0	19.2	8.8	Rack	200
CFB80	Swivel Face Brace 2438 x 2000	10'4"	3154.0	20.7	9.4	Rack	200
CFB82	Swivel Face Brace 2500 x 2000	10'6"	3202.0	20.9	9.5	Rack	200
CFB90	Swivel Face Brace 2743 x 2000	11'1.6"	3395.0	22.0	10.0	Rack	200
CFB100	Swivel Face Brace 3048 x 2000	11'11.5"	3646.0	23.5	10.7	Rack	200

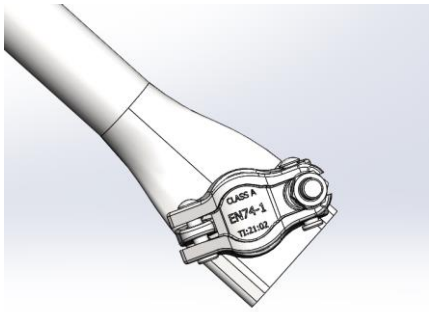
CLAMP BRACE

Clamp braces are used for the lateral bracing Cuplock scaffolding. Clamp braces can also be used as obtuse angle mid rail and top or hand guard rails in conjunction with stair system.

Material: High Strength Steel **Finish:** HDG



HEAVY DUTY COUPLER (EYE-BOLT)
As per AAIT/TECHNOCRAFT Recommends
Tightening the clamp to:
45-60 ft. Lbs (60-80 Nm)
Flange Nut Size: 22.0 mm

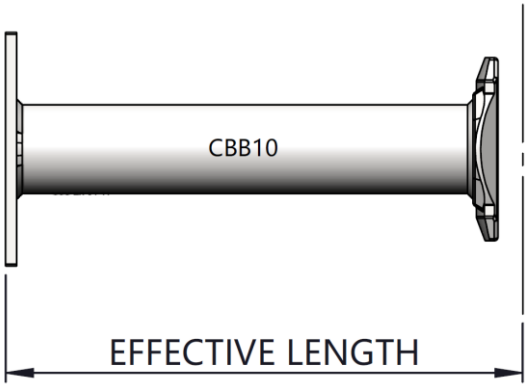


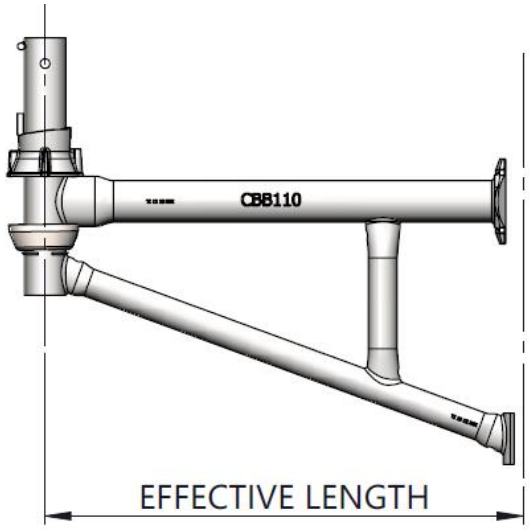
Product Code	Description Length x Height (mm)	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CCB50	Clamp Brace 1524 x 2000	8'3"	2515.0	19.2	8.7	Rack	125
CCB70	Clamp Brace 2133 x 2000	9'7"	2925.0	21.6	9.8	Rack	125
CCB80	Clamp Brace 2438 x 2000	10'4"	3154.0	22.9	10.4	Rack	125
CCB82	Clamp Brace 2500 x 2000	10'6"	3202.0	23.3	10.6	Rack	125
CCB86	Clamp Brace 2572 x 2000	10'8.2"	3258.0	24.0	10.9	Rack	125
CCB90	Clamp Brace 2743 x 2000	11'1.6"	3395.0	24.4	11.1	Rack	125
CCB100	Clamp Brace 3048 x 2000	11'11.5"	3646.0	26.0	11.8	Rack	125

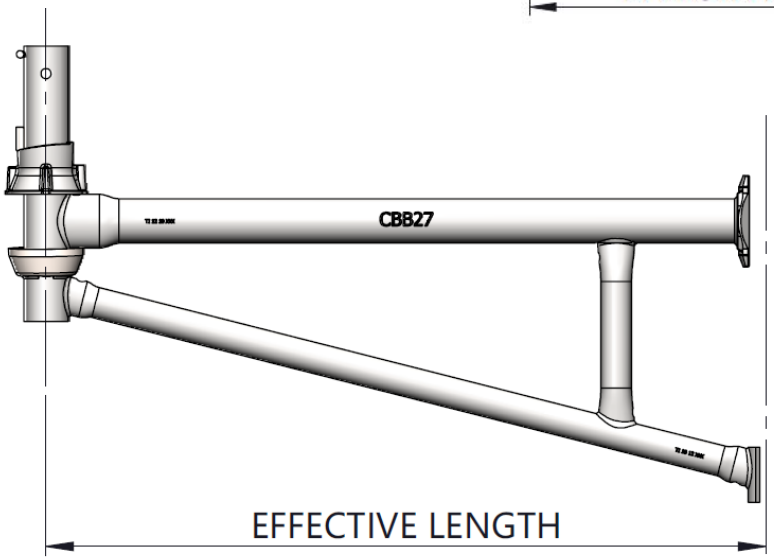
BOARD BRACKETS / SIDE BRACKETS

Board brackets are used to extend the work platform closer to the structure when an obstruction prevents the scaffold from being built next to the structure.

Material: High Strength Steel **Finish:** HDG





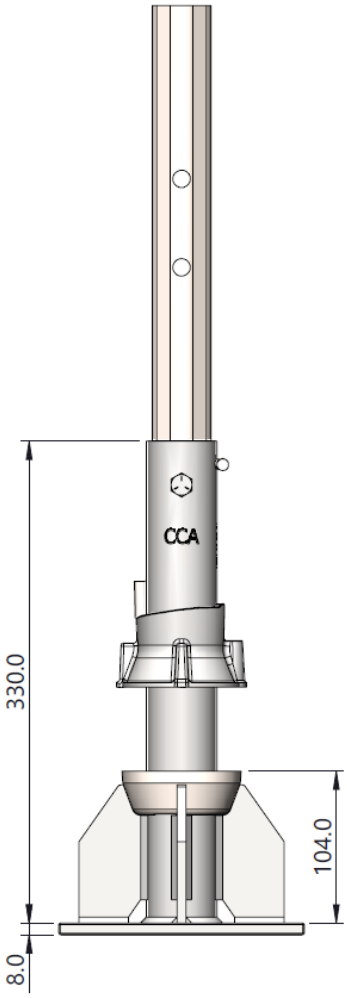


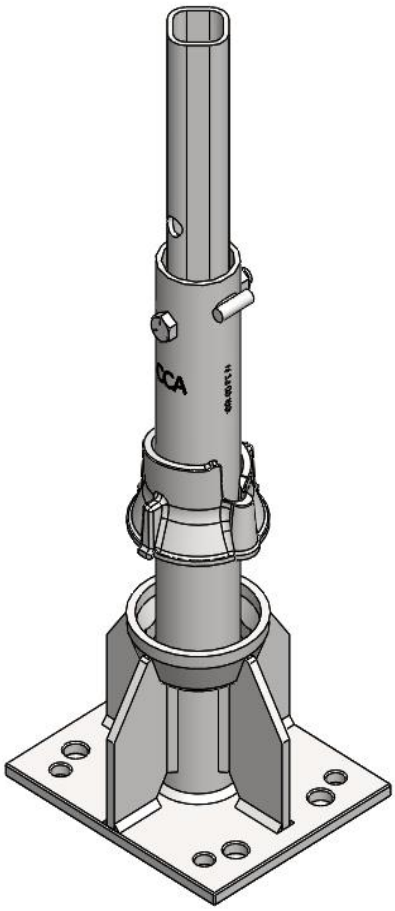
Product Code	Description	Effective Length		Weight		Packing	
		Inch	MM	Lbs	Kg	Stillage	Quantity
CBB10	One Board Bracket (Tubuler Type)	11.4"	290.0	3.1	1.4	Basket	500
CBB110	Two Board Bracket (Tubuler Type)	22.2"	565.0	11.6	5.3	Rack	50
CBB27	Three Board Bracket (Tubuler Type)	31.3"	795.3	14.3	6.5	Rack	50

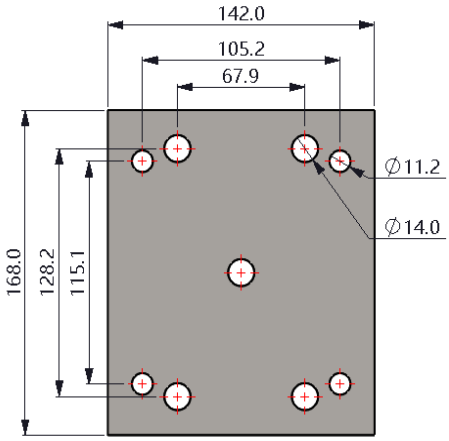
CASTER ADAPTOR

The Caster Adaptor is designed to provide a base for connection when building a rolling tower. The Caster Adaptor is designed to work with the 12” Caster (CR12) and the integrated cups allows for squaring the base.

Material: Structural steel **Finish:** HDG





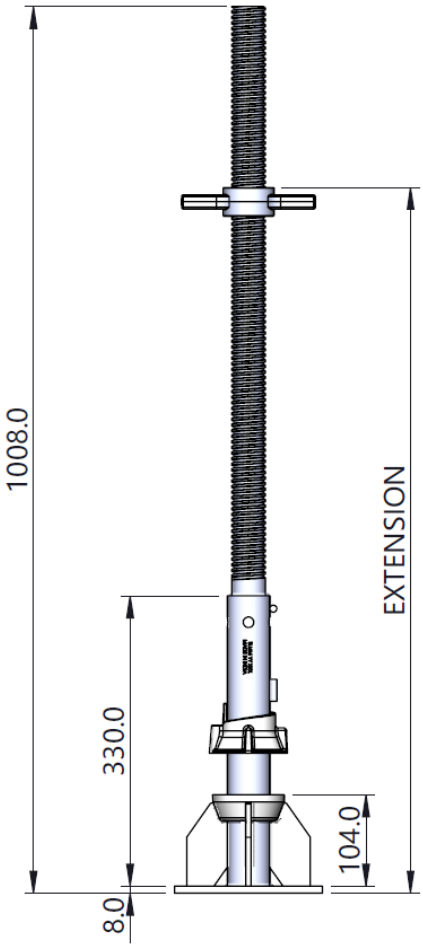


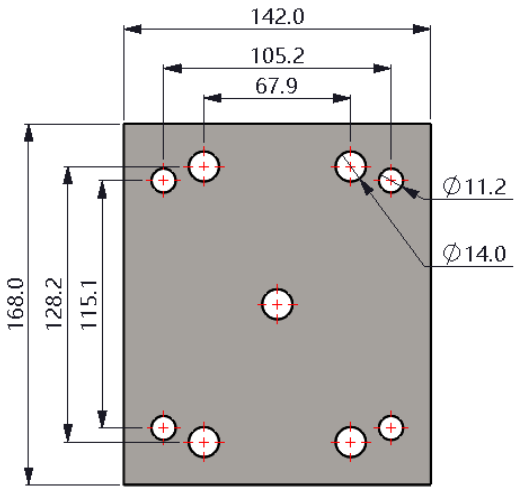
Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CCA	Caster Adaptor	12.10	5.50	Basket	200

ADJUSTABLE CASTER ADAPTOR

The Caster Adaptor is designed to provide a base for connection when building a rolling tower on uneven surfaces, keeping the scaffold level and plumb. The Caster Adapter is designed to work with the 12” Caster (CR12) and the integrated rosette allows for squaring the base.

Material: High Strength Steel **Finish:** HDG



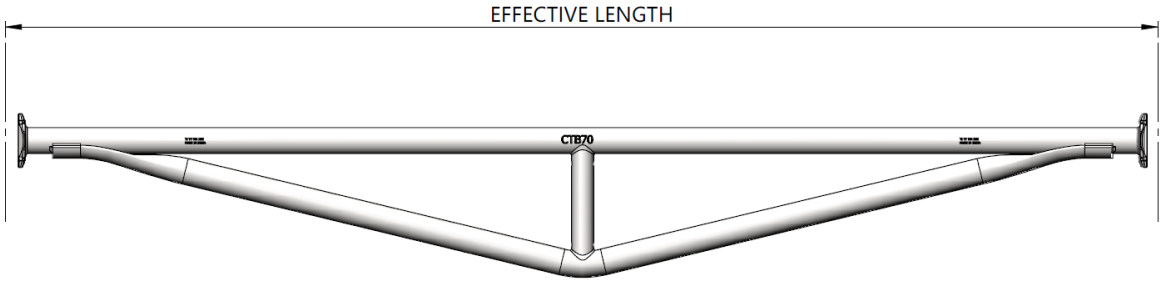


Product Code	Description	Min. Extension		Max. Extension		Weight		Packing	
		Inch	MM	Inch	MM	Lbs	Kg	Stillage	Quantity
CACA	Adustable Caster Adaptor	15.6"	396.0	33.8"	858.0	15.8	7.2	Rack	100
CACA-80	Adustable Caster Adaptor	14.6"	371.0	25.9"	658.0	14.8	6.7	Rack	100

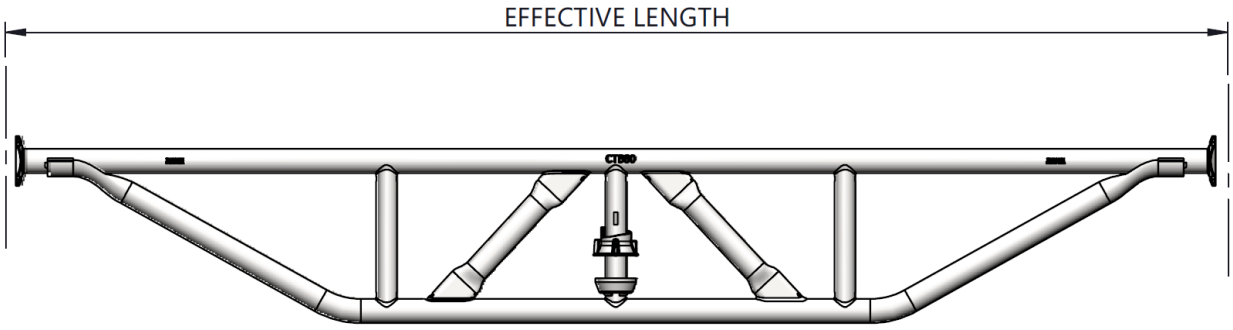
TRUSS BRACE

Truss Brace are designed to be load-bearing transoms and should be used when the work bay needs to support a higher load.

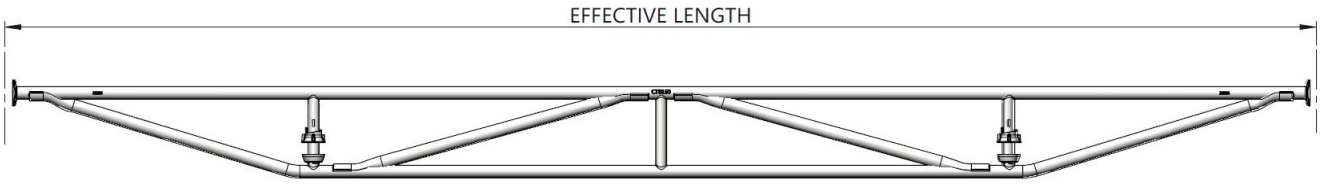
Material: High Strength Steel **Finish:** HDG



CTB70



CTB80 & CTB90



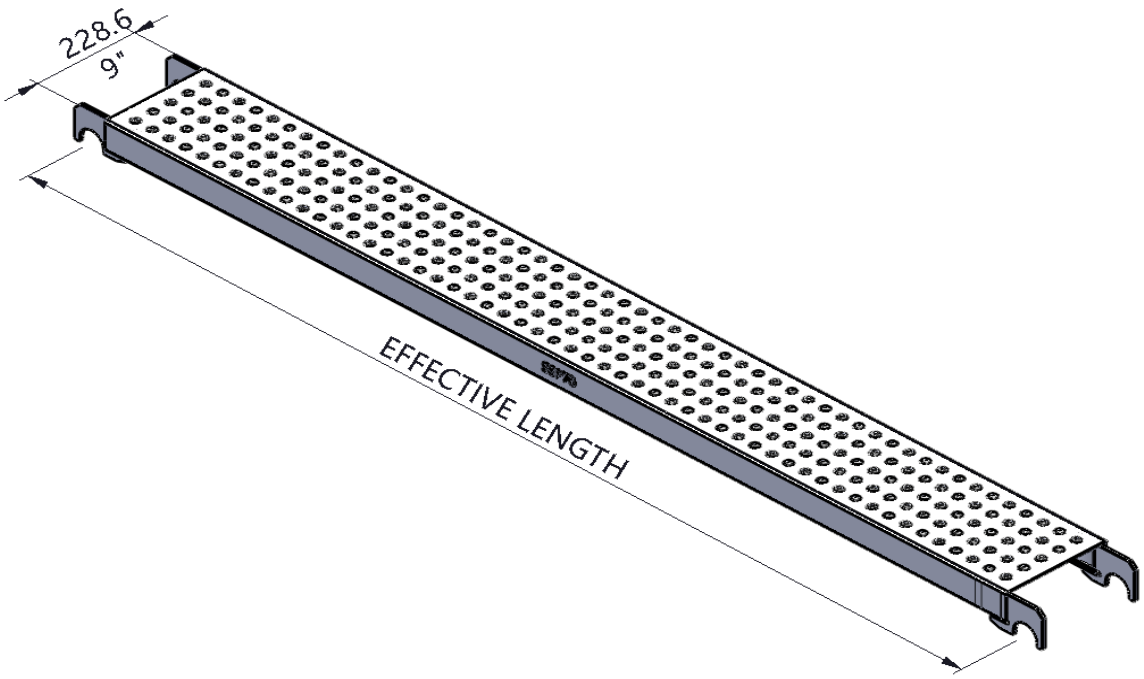
CTB100 TO CTB210

Product Code	Description	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CTB70	Truss Brace 7'	7'	2133.6	35.0	15.9	Rack	50
CTB80	Truss Brace 8'	8'	2438.4	53.7	24.4	Rack	50
CTB82	Truss Brace 8'2"	8'2''	2500.0	54.6	24.8	Rack	30
CTB90	Truss Brace 9'	9'	2743.2	60.7	27.6	Rack	30
CTB100	Truss Brace 10'	10'	3048.0	66.7	30.3	Rack	30
CTB120	Truss Brace 12'	12'	3657.6	80.1	36.4	Rack	30
CTB140	Truss Brace 14'	14'	4267.2	90.0	40.9	Rack	30
CTB160	Truss Brace 16'	16'	4876.8	106.3	48.3	Rack	30
CTB180	Truss Brace 18'	18'	5486.4	115.5	52.5	Rack	30
CTB210	Truss Brace 21'	21'	6400.8	131.3	59.7	Rack	30

9” SSP STEEL PLANK

9” wide high profile steel planks are used to provide walkways and work areas on scaffolds.

Material: Structural steel **Plank Width:** 9”/228.6mm **Finish:** HDG

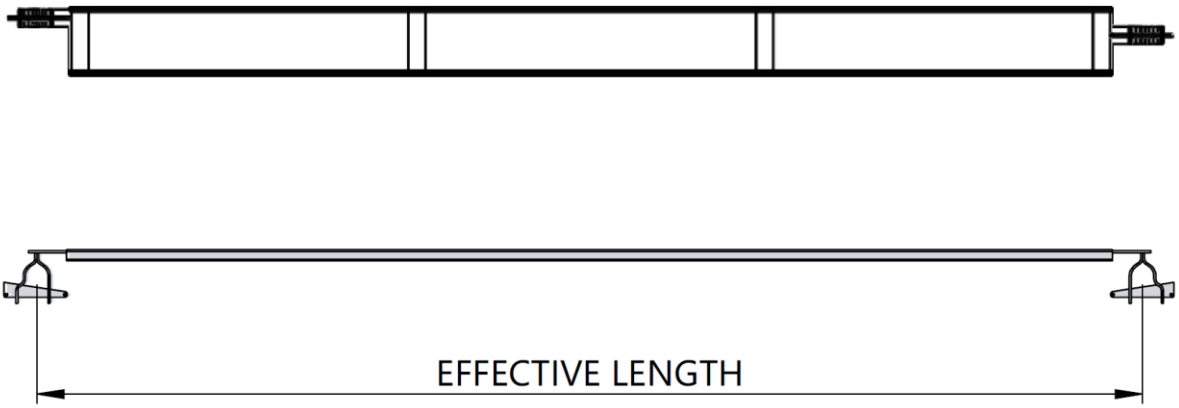


Product Code	Description	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
SSP10	9" Steel Plank	1'	305.0	7.4	3.4	Rack	128
SSP110	9" Steel Plank	1'-10"	559.0	10.8	4.9	Rack	128
SSP20	9" Steel Plank	2'	610.0	11.5	5.2	Rack	64
SSP27	9" Steel Plank	2'-7 1/32"	788.0	13.9	6.3	Rack	64
SSP211	9" Steel Plank	2'-11 7/16"	900.0	15.4	7.0	Rack	64
SSP28	9" Steel Plank	2'-8"	813.0	14.3	6.5	Rack	64
SSP30	9" Steel Plank	3'	914.0	15.6	7.1	Rack	64
SSP36	9" Steel Plank	3'-6"	1067.0	17.7	8.0	Rack	64
SSP39	9" Steel Plank	3'-9"	1143.0	18.7	8.5	Rack	64
SSP40	9" Steel Plank	4'	1219.0	19.8	9.0	Rack	64
SSP41	9" Steel Plank	4'-1 7/32" (4'-1")	1250.0	20.2	9.2	Rack	64
SSP43	9" Steel Plank	4'-3 5/32" (4'-3")	1300.0	20.9	9.5	Rack	64
SSP46	9" Steel Plank	4'-6"	1372.0	21.8	9.9	Rack	64
SSP49	9" Steel Plank	4'-9"	1450.0	22.9	10.4	Rack	64
SSP410	9" Steel Plank	4'-10"	1473.0	23.2	10.5	Rack	64
SSP411	9" Steel Plank	4'-11 1/16"	1500.0	23.6	10.7	Rack	64
SSP50	9" Steel Plank	5'	1524.0	23.9	10.9	Rack	64
SSP51	9" Steel Plank	5'1"	1549.0	24.2	11.0	Rack	64
SSP52	9" Steel Plank	5'2"	1572.0	24.5	11.2	Rack	64
SSP54-A	9" Steel Plank	5'4"	1626.0	25.3	11.5	Rack	64
SSP511	9" Steel Plank	5'-10 7/8"	1800.0	27.6	12.6	Rack	64
SSP60	9" Steel Plank	6'	1829.0	28.0	12.7	Rack	64
SSP61	9" Steel Plank	6'1"	1854.0	28.4	12.9	Rack	64
SSP69	9" Steel Plank	6'9"	2072.0	31.3	14.2	Rack	64
SSP70	9" Steel Plank	7'	2134.0	32.1	14.6	Rack	64
SSP72	9" Steel Plank	7'2"	2184.0	32.8	14.9	Rack	64
SSP710	9" Steel Plank	7'-10"	2388.0	35.6	16.2	Rack	64
SSP80	9" Steel Plank	8'	2438.0	36.3	16.5	Rack	64
SSP82	9" Steel Plank	8'-2 7/16" (8'-2 1/2")	2500.0	37.0	16.9	Rack	64
SSP86	9" Steel Plank	8'-6"	2572.0	38.0	17.3	Rack	64
SSP90	9" Steel Plank	9'	2743.0	40.4	18.4	Rack	64
SSP92	9" Steel Plank	9'2"	2794.0	41.0	18.7	Rack	64
SSP100	9" Steel Plank	10'	3048.0	44.5	20.2	Rack	64

UNIVERSAL TOE BOARD

The Universal Toe board is designed to enclose the bay at the plank level, preventing small tools, debris and other items from falling off the planked platform.

Material: Structural steel **Finish:** HDG

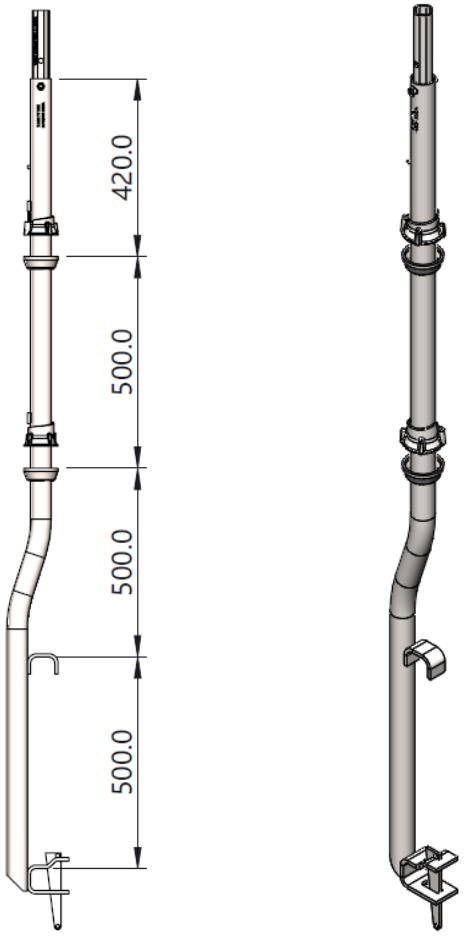


Product Code	Description Length x Height	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
UTB110	Universal Toe Board (Wedge Type)	1' 10"	559.6	7.1	3.2	Rack	200
UTB20	Universal Toe Board (Wedge Type)	2'	610.0	7.5	3.4	Rack	200
UTB30	Universal Toe Board (Wedge Type)	3'	914.0	9.7	4.4	Rack	100
UTB36	Universal Toe Board (Wedge Type)	3' 6"	1067.0	11.3	5.1	Rack	100
UTB36S	Universal Toe Board (Wedge Type)	3'6.8"	1088.0	11.4	5.2	Rack	100
UTB40	Universal Toe Board (Wedge Type)	4'	1219.0	12.4	5.6	Rack	100
UTB41	Universal Toe Board (Wedge Type)	4' 1"	1250.0	12.6	5.7	Rack	100
UTB50	Universal Toe Board (Wedge Type)	5'	1524.0	14.6	6.6	Rack	100
UTB52	Universal Toe Board (Wedge Type)	5' 2"	1572.0	15.0	6.8	Rack	100
UTB60	Universal Toe Board (Wedge Type)	6'	1829.0	16.8	7.6	Rack	100
UTB70	Universal Toe Board (Wedge Type)	7'	2133.0	19.0	8.6	Rack	100
UTB80	Universal Toe Board (Wedge Type)	8'	2438.0	21.7	9.8	Rack	100
UTB86	Universal Toe Board (Wedge Type)	8' 6"	2572.0	22.7	10.3	Rack	100
UTB90	Universal Toe Board (Wedge Type)	9'	2743.0	22.7	10.3	Rack	100
UTB100	Universal Toe Board (Wedge Type)	10'	3048.0	26.2	11.9	Rack	100

GUARD RAIL STANDARD

The Guardrail Standard is designed to provide a secure connection for ledgers acting as mid-rails and top-rails, typically this is when ladder access openings are required. When using the Guardrail Standard an additional ledger is required directly below the platform level.

Material: High Strength Steel **Finish:** HDG

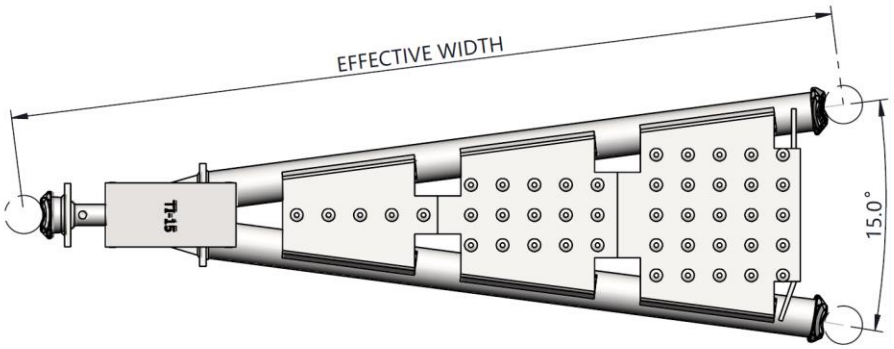


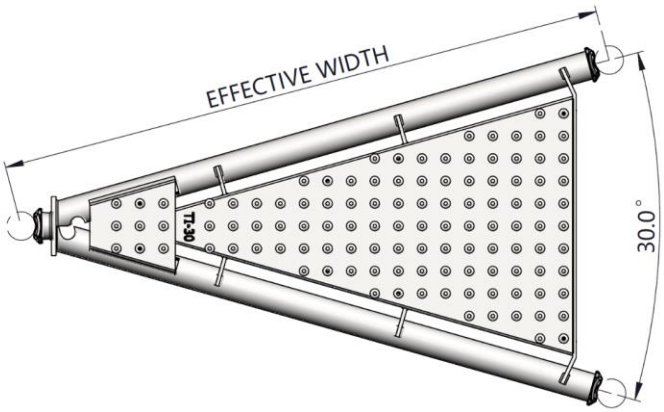
Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CL-VCL	Guard Rail Standard	23.5	10.7	Rack	90

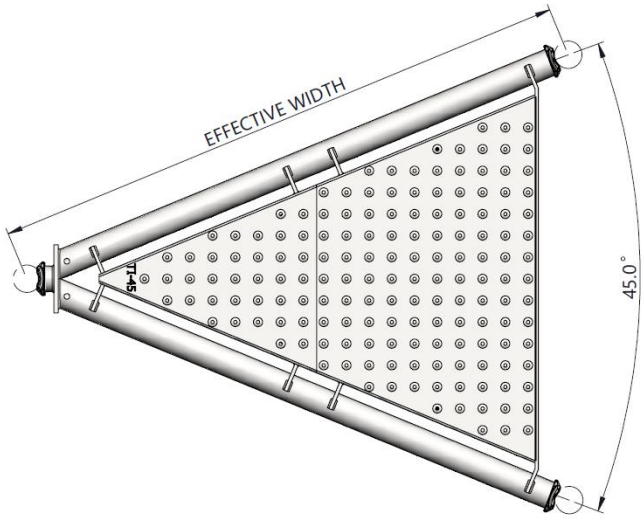
TRIANGULAR INFILLER

Triangular In-fillers are used for round storage tanks and round buildings. In-fillers used to fill the gap between two standard scaffolding bays.

Material: High Strength Steel **Finish:** HDG





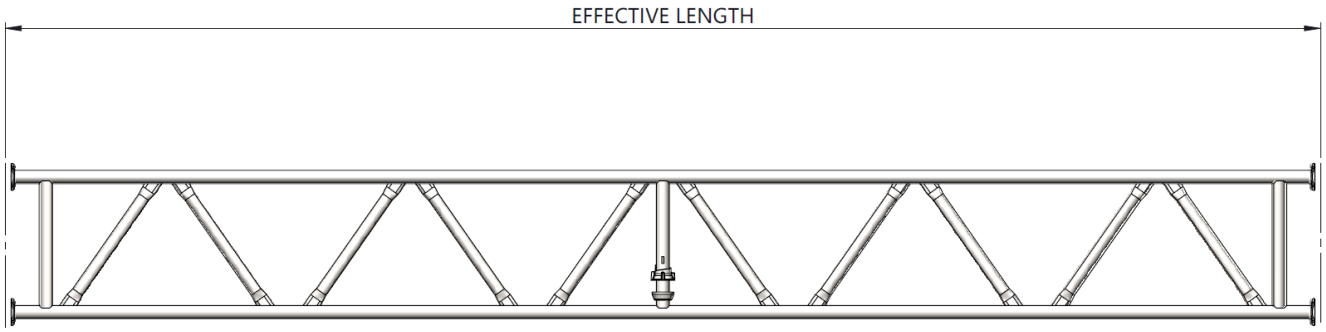


Product Code	Description	Effective Width		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
UTL-15	Triangular Infiller-15°	3'5"	1039.0	27.9	12.7		
UTL-30	Triangular Infiller-30°	3'4.7"	1034.0	36.0	16.4		
UTL-45	Triangular Infiller-45°	3'4.7"	1034.0	38.7	17.6		

LATTICE GIRDER

Lattice girders are horizontal members of Cuplock scaffolding that allow for scaffolding over large spans or gaps of 16’ / 4.876m - 30’ / 9.144m High strength steel.

Material: High Strength Steel **Finish:** HDG

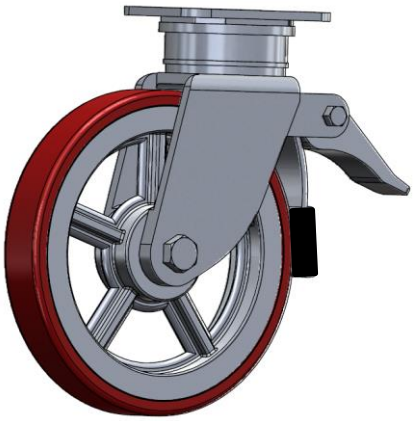


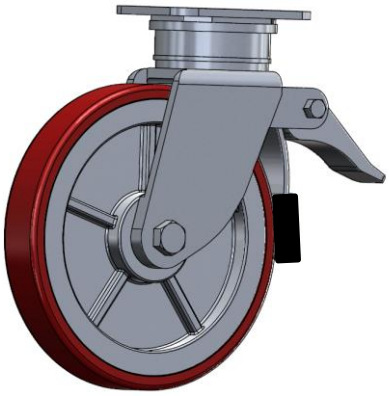
Product Code	Description	Effective Length		Weight		Packing	
		Ft-In	MM	Lbs	Kg	Stillage	Quantity
CLG16	Lattice Girder	16'	4876.8	122.1	55.5	Bundle	30
CLG17	Lattice Girder	17'	5181.6	126.9	57.7	Bundle	30
CLG21	Lattice Girder	21'	6400.8	157.7	71.7	Bundle	30
CLG24	Lattice Girder	24'	7315.2	183.4	83.4	Bundle	30
CLG28	Lattice Girder	28'	8534.4	209.0	95.0	Bundle	30

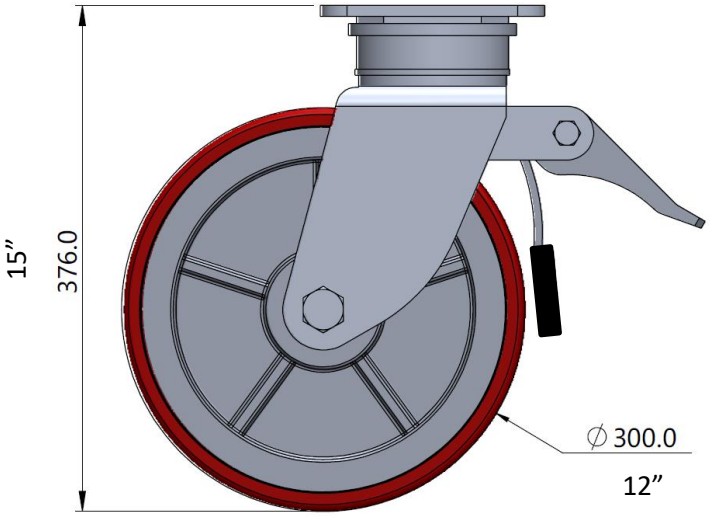
12 INCH CASTER

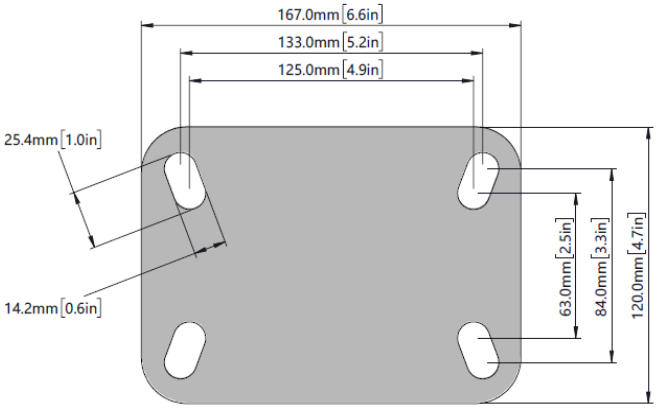
The 12” Caster is designed to work with the fixed (**CCA**) or the adjustable caster adapter (**CACA & CACA-80**). A scaffolding structure can be built when attached to the caster adapter; this rolling structure can be moved across a flat surface.

Material: Cast Steel Hub/Polyurethane Tread **Finish:** EP/Paint









Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CR12-H	12" Caster Wheel (Solid)	40.9	18.6	Basket	40
CR12	12" Caster Wheel (Hollow)	33.7	15.3	Basket	40

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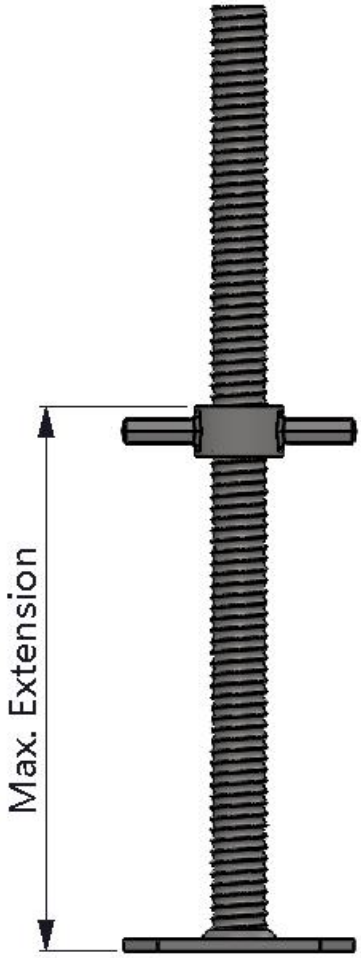
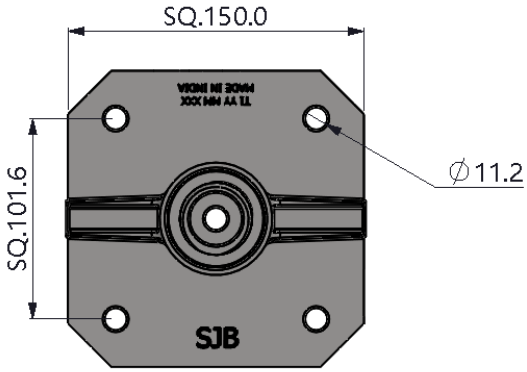
SYSTEM BASE JACK (SCREW JACK)

The Base Jack is used as a starting base for a scaffold. The vertical adjustment of the nut allows for the scaffold to be level and plumb on uneven surfaces.

Material: High Strength Steel **Finish:** HDG



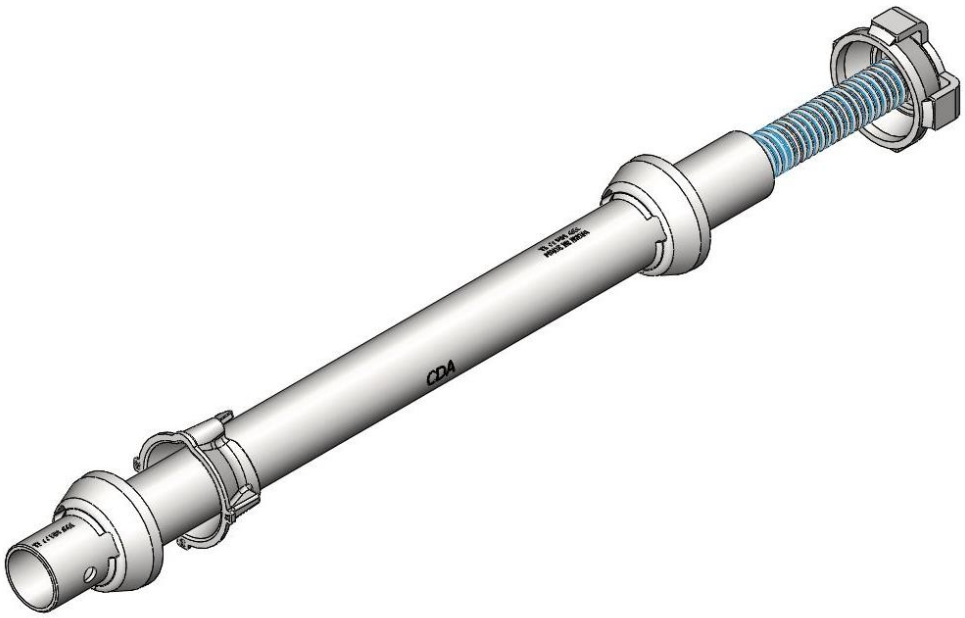


Product Code	Description	Max. Extension		Weight		Packing	
		In	mm	Lbs	Kg	Stillage	Quantity
SJB	24" System Base Jack	18"	450.0	9.13	4.15	Rack	200

25” DECK ADAPTER

Deck adapter is used to hold the ledger / horizontals which is fitted at top.

Material: Structural Steel **Finish:** HDG

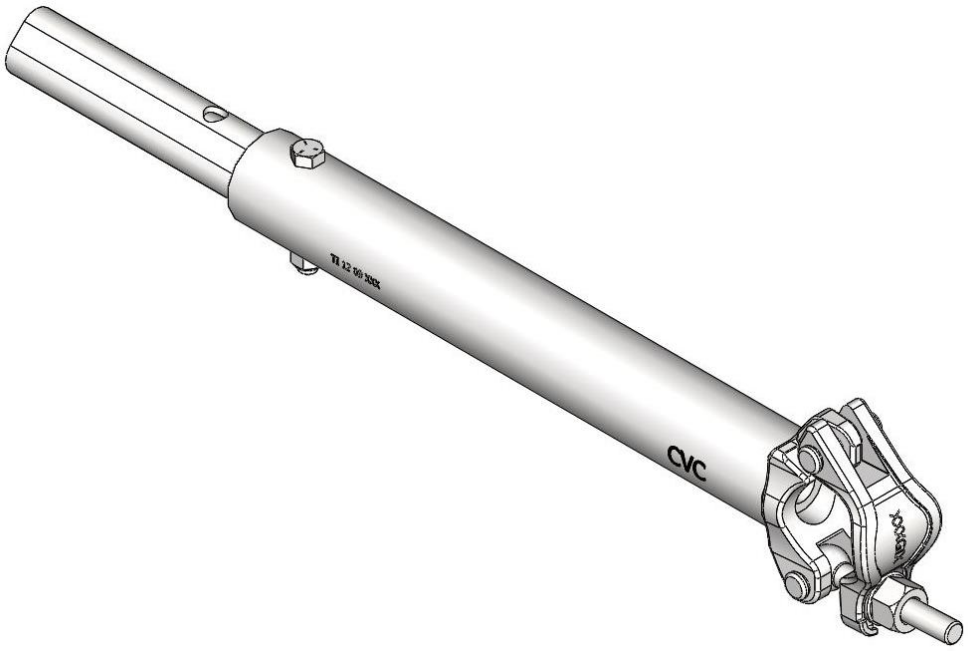


Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CDA	25" Deck Adaptor	10.3	4.7	Rack	250

CLAMP ON LEG

The Clamp on Leg allows for the connection of CupLock Standards at intermediate positions along a ledger, truss, or lattice girder.

Material: High Strength Steel **Finish:** HDG



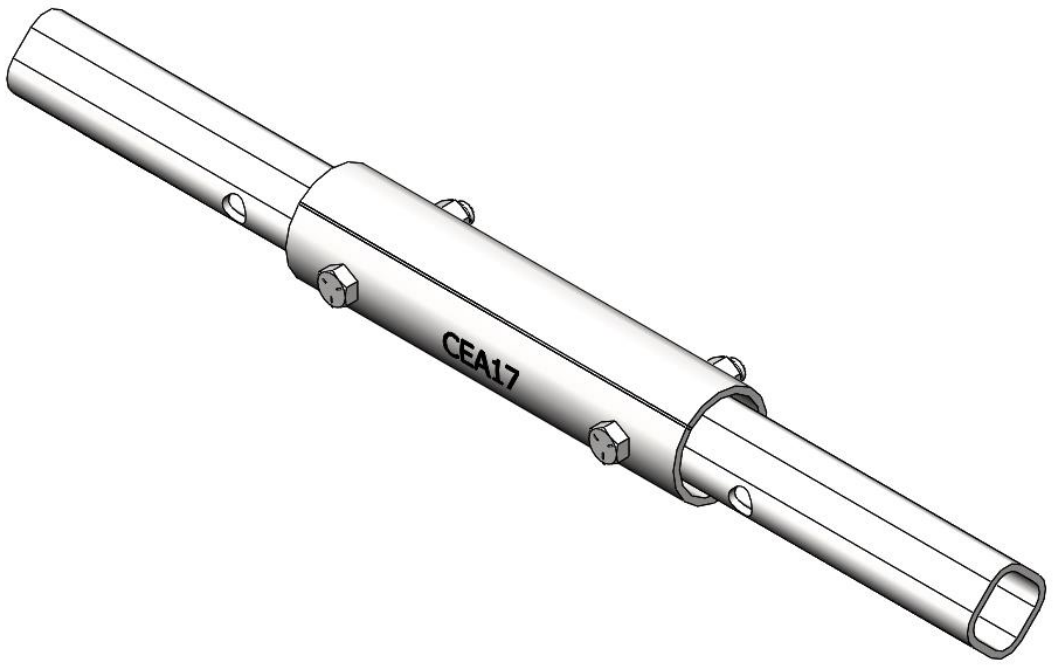
HEAVY DUTY COUPLER (EYE-BOLT)
As per AAIT/TECHNOCFART Recommends
Tightening Torque
45-60 ft. Lbs (60-80 Nm)
Flange Nut Size: 22.0 mm

Product Code	Description	Weight		Packing	
		Lb.	Kg	Stillage	Quantity
CVC	Clamp On Leg	6.8	3.1	Basket	250

EXTENSION ADAPTOR

Extension adaptor is used between stage brackets and verticals so that the guardrail post aligns with the vertical of the main scaffold structure.

Material: Structural Steel **Finish:** HDG



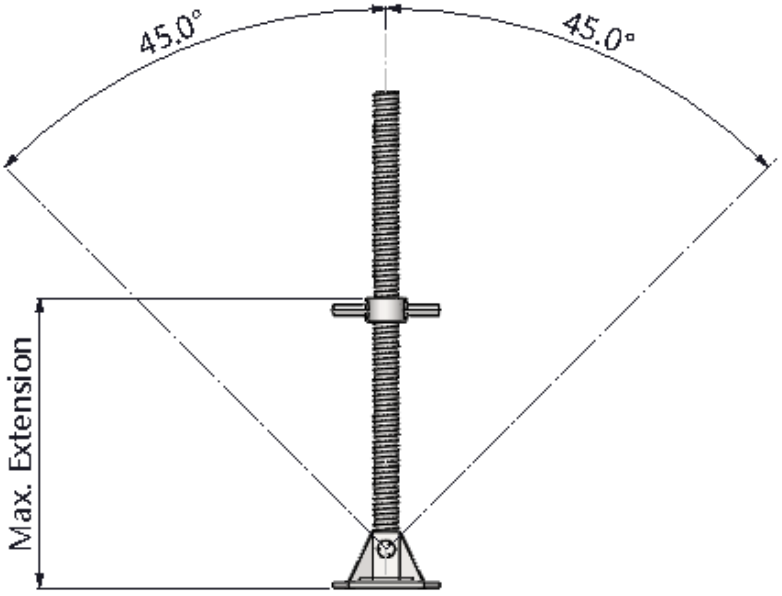
Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CEA17	Extension Adaptor	4.4	2.0	Basket	500

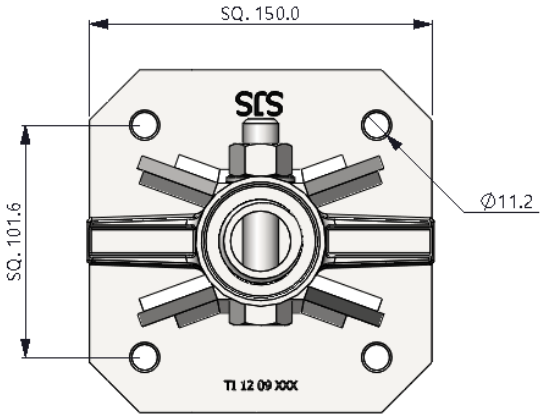
SWIVEL BASE JACK

The Swivel Base Jack is used as a starting base for a scaffold. The vertical adjustment of the nut allows for the scaffold to be level and plumb on uneven and sloped surfaces.

Material: High Strength Steel **Finish:** Zinc plated / HDG

Max. Recommended Swivel +/-45° from vertical line



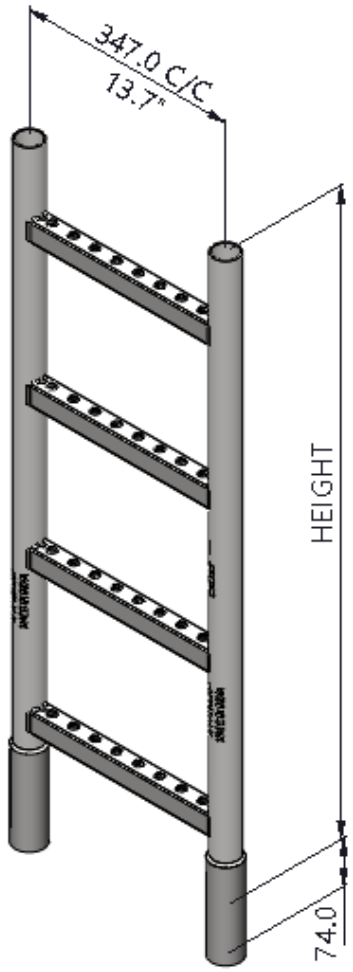


Product Code	Description	Max. Extension		Weight		Packing	
		Inch	MM	Lbs	Kg	Stillage	Quantity
SJS	Swivel Base Jack	18"	450.0	11.2	5.1	Rack	200

13.7” STEEL LADDER

Steel scaffold ladders are used in conjunction with ladder brackets so that workers can access the elevated work platforms safely.

Material: Structural Steel **Finish:** HDG



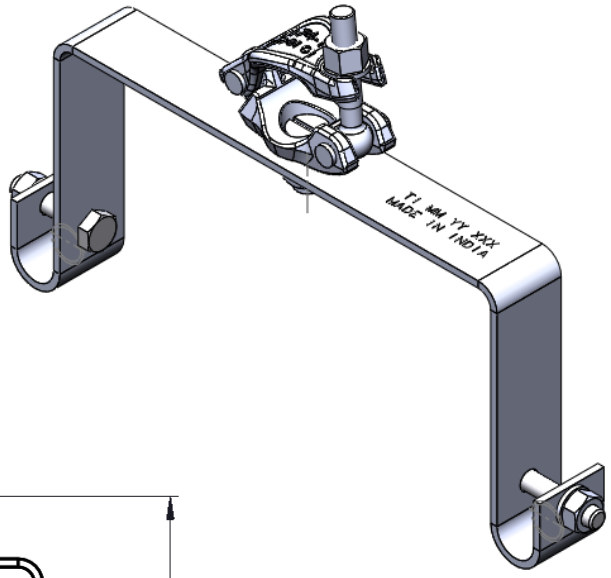
Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CSLW3AS	13.7" Steel Ladder 3’/1000 mm	14.5	6.6	Rack	35
CSLW5AS	13.7" Steel Ladder 5’/1500 mm	20.8	9.5	Rack	35
CSLW10AS	13.7" Steel Ladder 10’/3000 mm	39.6	18	Rack	35

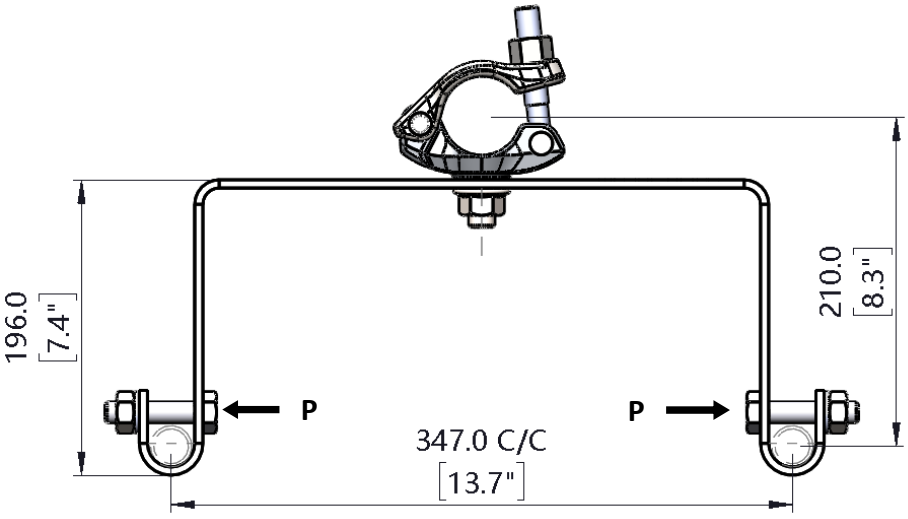
13.7" LADDER BRACKET

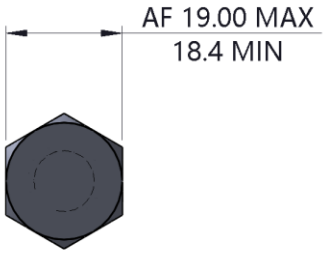
Ladder brackets can be attached to vertical or horizontal parts of the scaffold structure. Ladder brackets secure the ladder from tipping.

Material: Structural steel. **Finish:** HDG

HEAVY DUTY COUPLER (EYE-BOLT)
As per AAIT/TECHNOCRAFT Recommends
Tightening the clamp to:
45-60 ft. Lbs (60-80 Nm)
Flange Nut Size: 22.0 mm







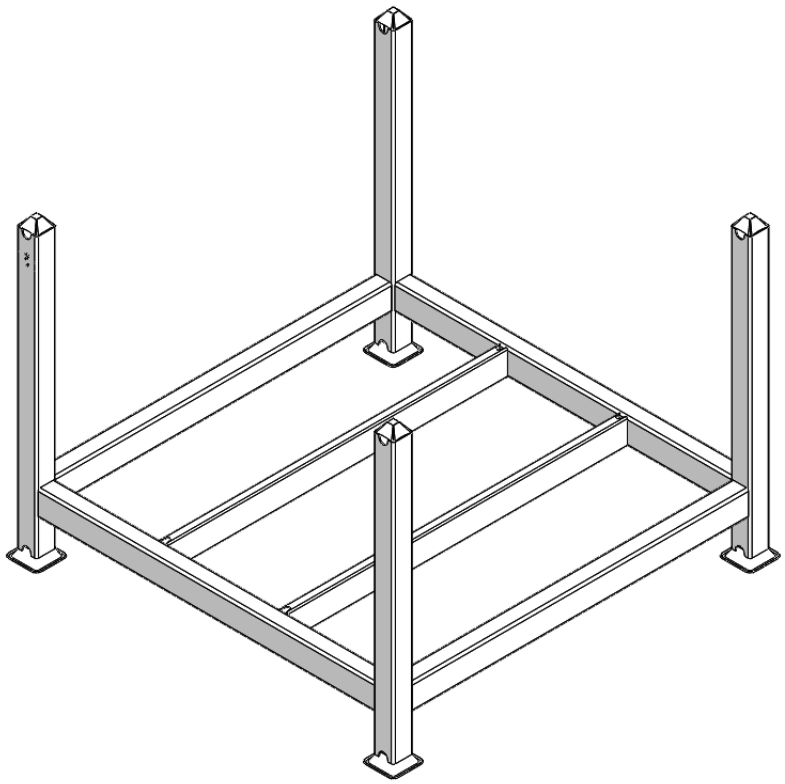
VIEW 'P'

Product Code	Description	Weight		Packing	
		Lbs	Kg	Stillage	Quantity
CSLBW	13.7" Ladder Bracket	7.0	3.2	Rack	150

SCAFFOLD RACK

Scaffold racks are used for packing & storing larger scaffolding components.

Material: Structural steel **Finish:** HDG



SAFE WORKING LOAD – 5500 Lbs / 2500Kg
MAXIMUM ALLOWABLE STACK – 5

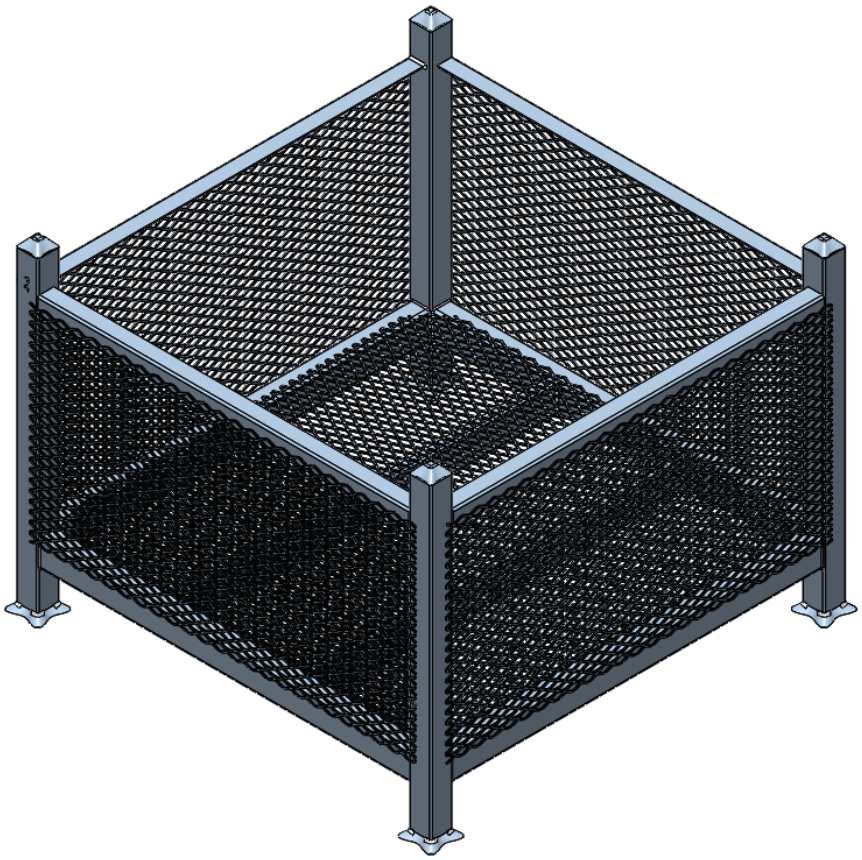
Product Code	Description	Weight	
		Lbs	Kg
SSRS-GI	Scaffold Rack (Sq. Tube) Regular Height (34.5”)	110.8	50.4
SSRS-SH-GI	Scaffold Rack (Sq. Tube) Short Height (30.3”)	106.9	48.6

SCAFFOLD BASKET

Scaffold baskets are used for packing & storing smaller components.

Material: Structural steel

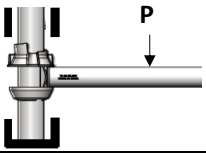
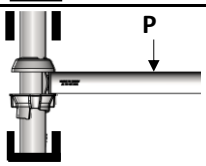
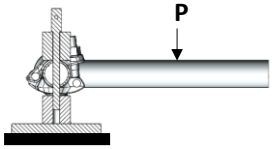
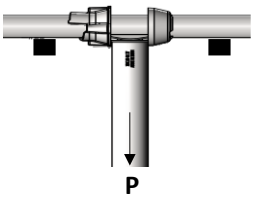
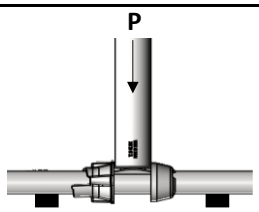
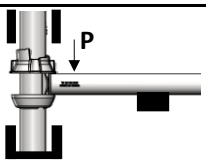
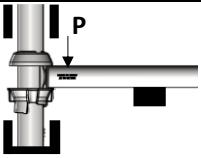
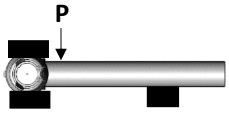
Finish: Liquid painted- Grey colour



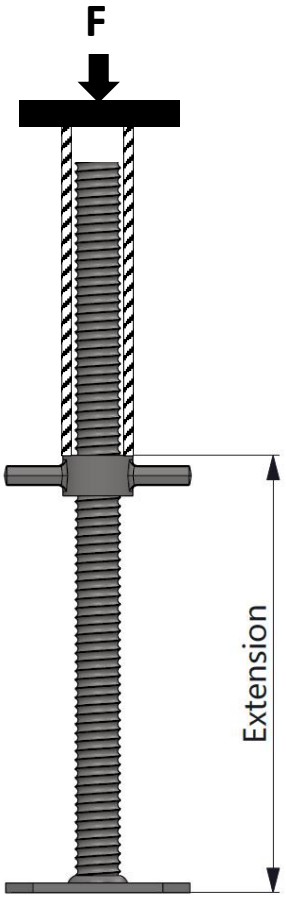
Product Code	Description	Weight	
		Lb.	Kg
SSB	Scaffold Basket (Regular Size)	157.0	71.4

Cuplock System – Engineering & Safe Working Loads

NODE POINT TEST RESULTS

CUPLOCK SYSTEM NODE POINTS TEST RESULTS (AAIT)				
SR. No.	Load Type	illustration	Test Result Observed	
			Ft-Lbs or lbs	Nm or Kn
1	BENDING MOMENT (+M)		3909 Ft-Lbs	5300 Nm
2	BENDING MOMENT (-M)		4278 Ft-Lbs	5800 Nm
3	BENDING MOMENT (Normal Force)		664 Ft-Lbs	900 Nm
4	NORMAL FORCE PULL		23515 lbs	105 kN
5	NORMAL FORCE PUSH		20592 lbs	92 kN
6	VERTICAL SHEAR FORCE (+Vz)		32035 lbs	142 kN
7	VERTICAL SHEAR FORCE (-Vz)		17609 lbs	78 kN
8	HORIZONTAL SHEAR FORCE		21543 lbs	96 kN

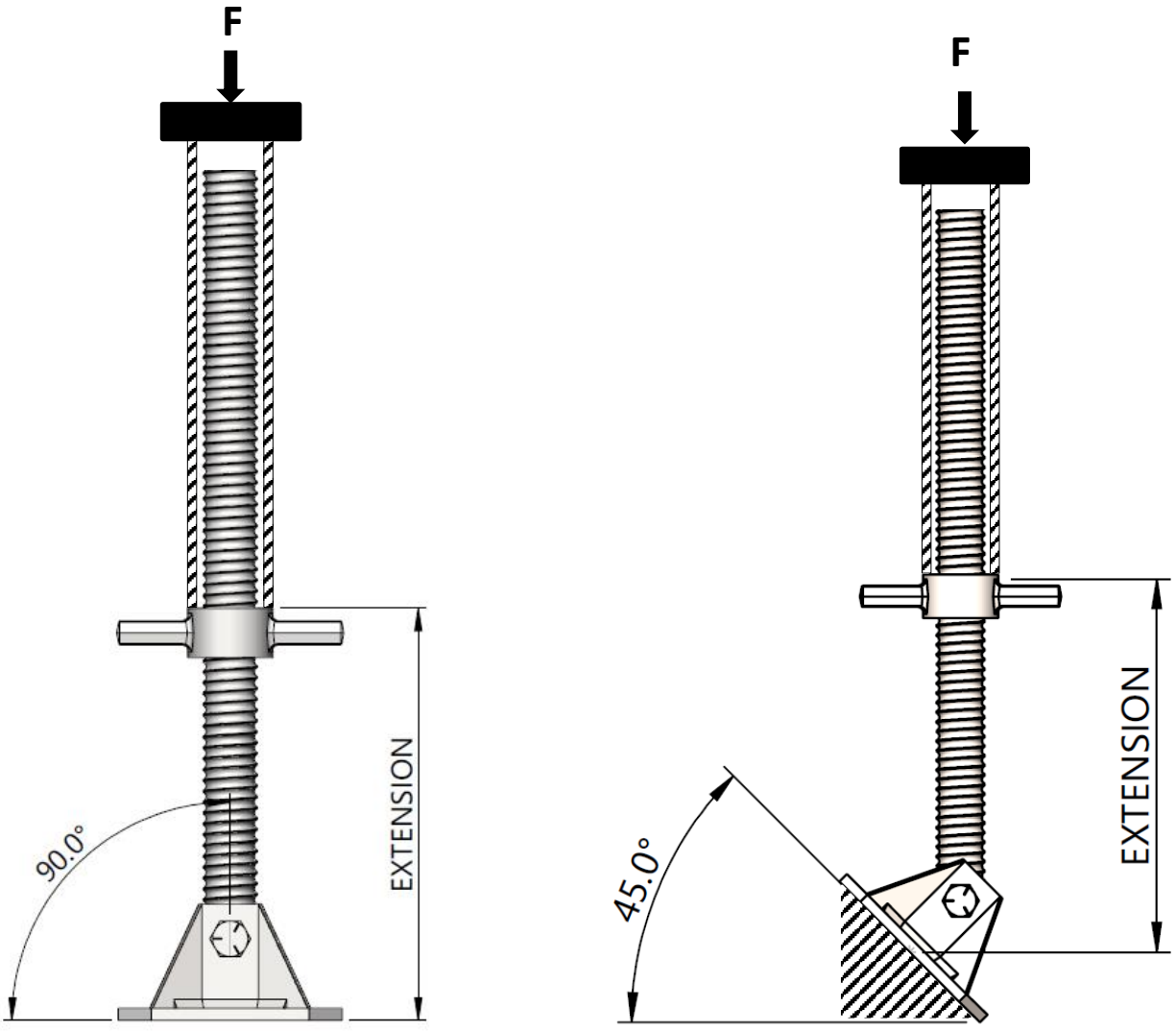
SYSTEM BASE JACK



Product Code	Description	Extension		Safe Work Load		Weight	
		Inch	MM	Lbs	kN	Lbs	Kg
SJB	System Base Jack	6"	150.0	15736.0	70.0	9.1	4.2
		12"	300.0	14612.0	65.0		
		18"	455.0	13713.0	61.0		
BPSJB	System Base Jack	6"	150.0	15736.0	70.0	9.0	4.1
		12"	300.0	14612.0	65.0		
		15"	375.0	13713.0	61.0		

Factor of Safety - 4:1

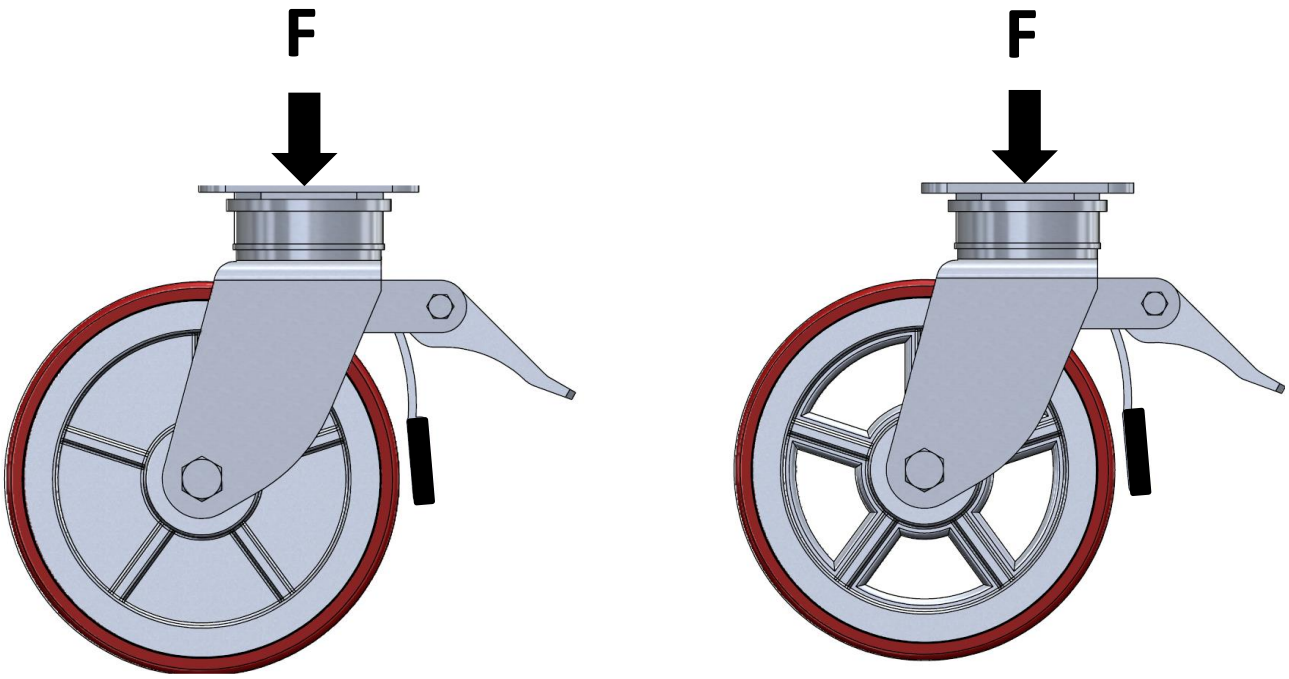
SWIVEL SCREW JACK



Product Code	Description	Extension		Safe Work Load 90°		Safe Work Load 45°		Weight	
		Inch	MM	Lbs	kN	Lbs	kN	Lbs	Kg
SJS	Swivel Base Jack	6"	150.0	18209.0	81.0	12814.0	57.0	11.2	5.1
		12"	300.0	15287.0	68.0	12589.0	56.0		
		18"	455.0	13038.0	58.0	12589.0	56.0		

Factor of Safety - 4:1

12” CASTER



Product Code	Description	Safe Working Load		Weight	
		Lbs	kN	Lbs	Kg
CR12-H	12" CASTER WHEEL (HEAVY DUTY)	3000	13.3	40.9	18.6
CR12	12" CASTER WHEEL (NORMAL DUTY)	1900	8.5	33.7	15.3

Notes: These loading specifications are provided for caster strength only. The maximum allowable load for this product must be determined from the vertical members attached to the casters or the specification in the chart above, whichever is less.

Factor of Safety - 4:1

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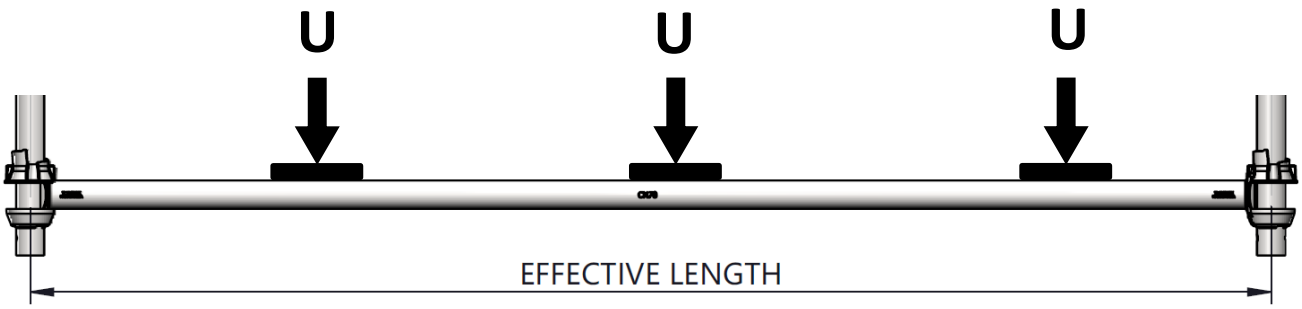
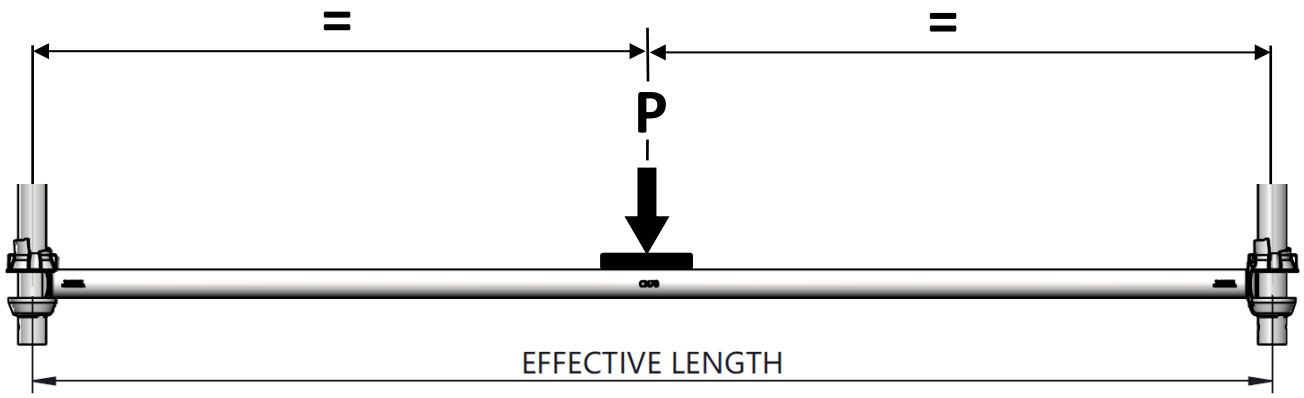
LEDGERS / HORIZONTALS



Uniformly Distributed Load



Point Load

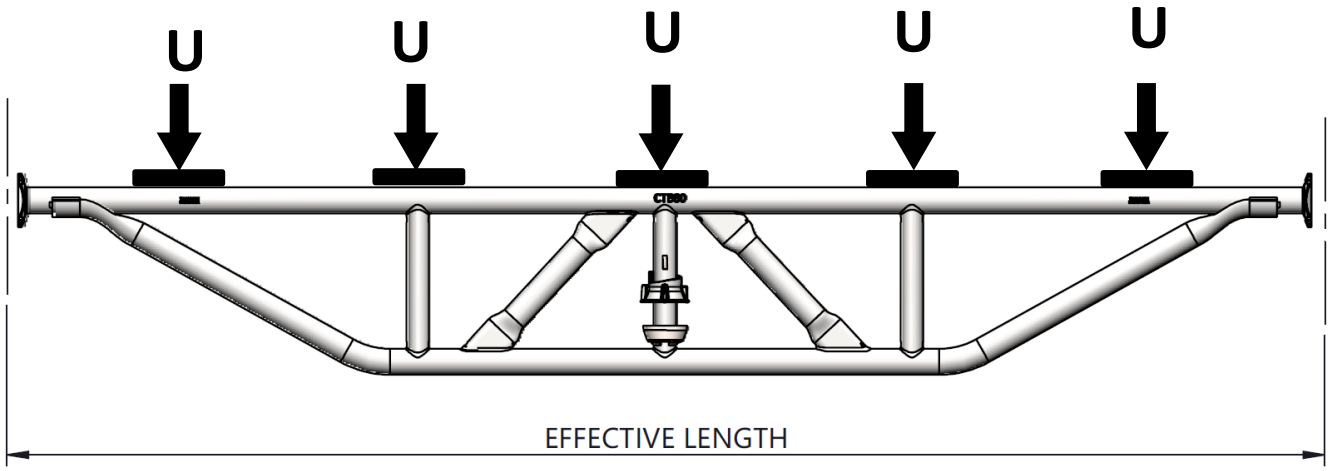
Safe Working Loads On Next Page…

Product Code	Description	Effective Length		Maximum UDL		Allowable Point Load	
		Ft-In	Meter	Lbs/Ft	Kgs/m	Lbs	Kgs
CH110	Horizontal / Ledger	1'10"	0.56	4424.0	6596.0	4152.0	1887.0
CH27	Horizontal / Ledger	2'7"	0.79	2139.0	3190.0	2808.0	1276.0
CH30	Horizontal / Ledger	3'	0.91	1710.0	2543.0	2202.0	979.0
CH36	Horizontal / Ledger	3'6"	1.07	1054.0	1573.0	1810.0	823.0
CH40	Horizontal / Ledger	4'	1.22	725.0	1022.0	1766.0	761.0
CH50	Horizontal / Ledger	5'	1.52	449.0	670.0	1114.0	480.0
CH60	Horizontal / Ledger	6'	1.83	362.0	539.0	919.0	418.0
CH70	Horizontal / Ledger	7'	2.13	245.0	365.0	919.0	418.0
CH80	Horizontal / Ledger	8'	2.44	180.0	267.0	816.0	371.0
CH90	Horizontal / Ledger	9'	2.44	150.0	225.0	736.0	335.0
CH100	Horizontal / Ledger	10'	3.05	119.0	176.0	667.0	303.0

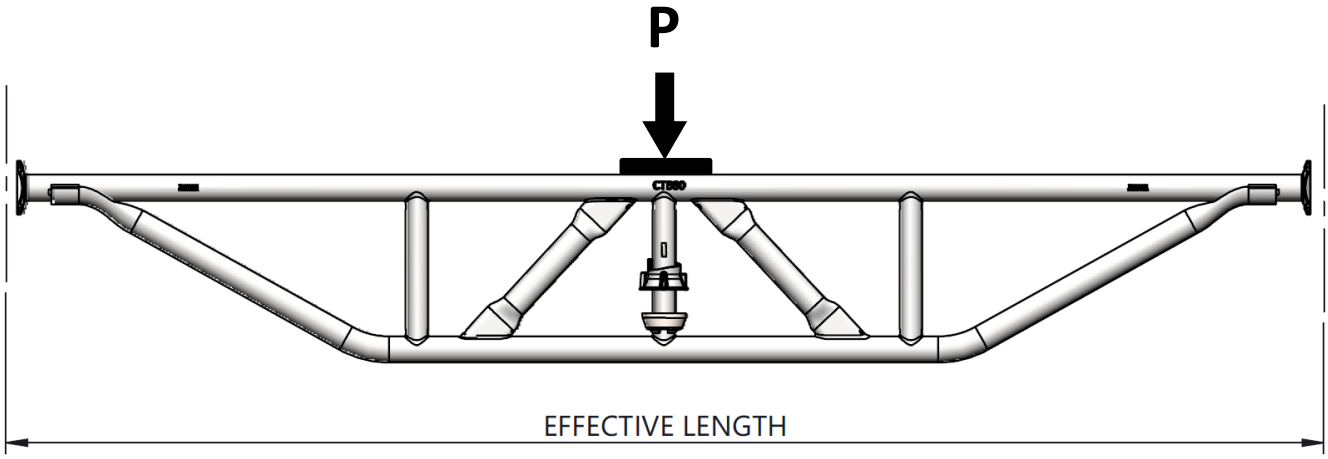
Notes: These loading specifications are provided for ledger strength only. The maximum allowable load for this product must be determined from the verticals which the ledgers are attached to, their connection points the platform material used on the ledgers or the specification in the chart above, whichever is less.

Factor of Safety - 4:1

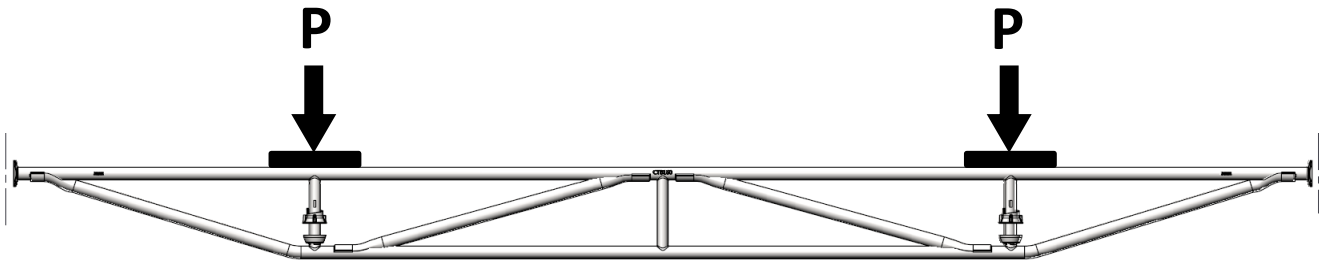
TRUSS BRACE



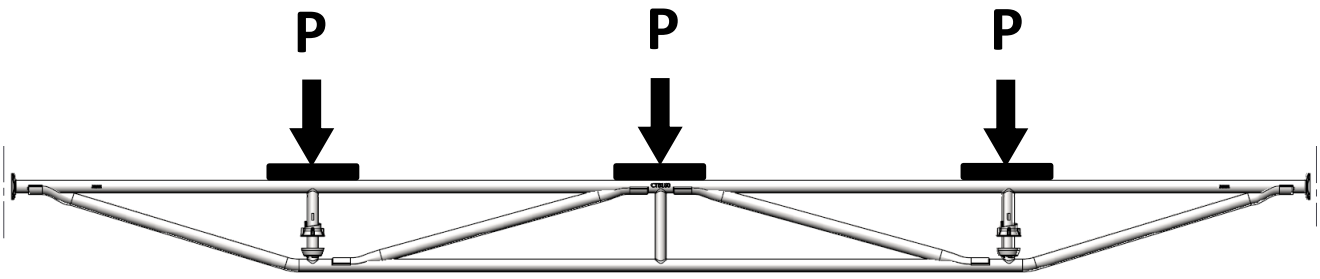
Uniformly Distributed Load



Point Load – CTB70 TO CTB90



Point Load – CTB100



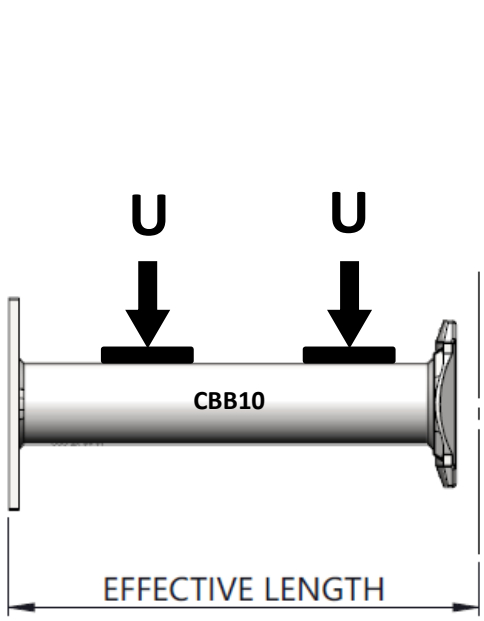
Point Load – CTB120 TO CTB210

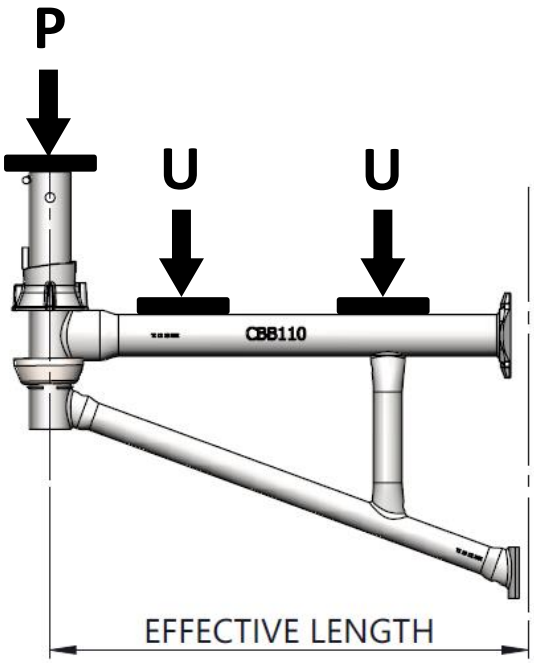
Product Code	Effective length	Uniformly Distributed Load ("U")		Point Load ("P") kg/ lbs				
				Load Per Point		No of Load Points	Total Point Load	
		kg/m	lbs/Ft	kg/Point	lbs/Point		kg	lbs
CTB70	7'	1206	770	1620	3565	1	1620	3565
CTB80	8'	1288	828	1929	4244	1	1929	4244
CTB82	8'2"	1288	828	1929	4244	1	1929	4244
CTB90	9'	1284	829	1871	4116	1	1871	4116
CTB100	10'	1174	761	945	2078	2	1889	4156
CTB120	12'	543	354	473	1042	3	1420	3125
CTB140	14'	349	228	426	937	3	1277	2810
CTB160	16'	342	224	390	858	3	1170	2574
CTB180	18'	208	137	326	718	3	979	2153
CTB210	21'	208	137	279	613	3	836	1838

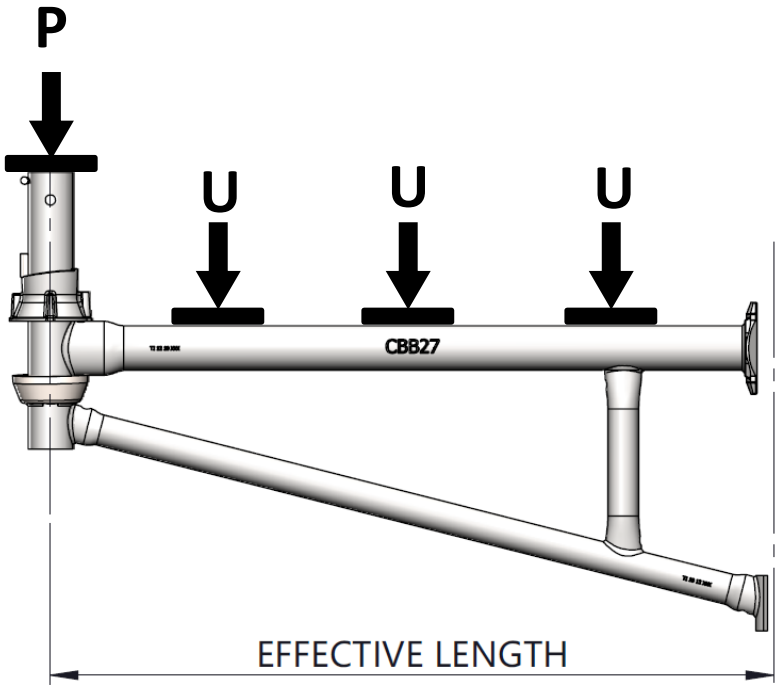
Notes: These loading specifications are provided for Horizontal truss strength only. The maximum allowable load for this product must be determined from the verticals to which the Horizontal trusses are attached to, their connection points, and the platform material used on the horizontals or the specification in the chart above, whichever is less.

Factor of Safety - 4:1

BOARD BRACKETS





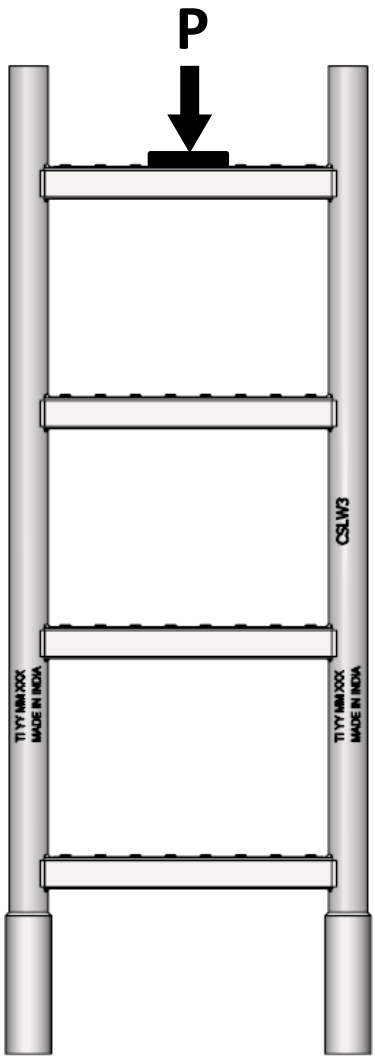


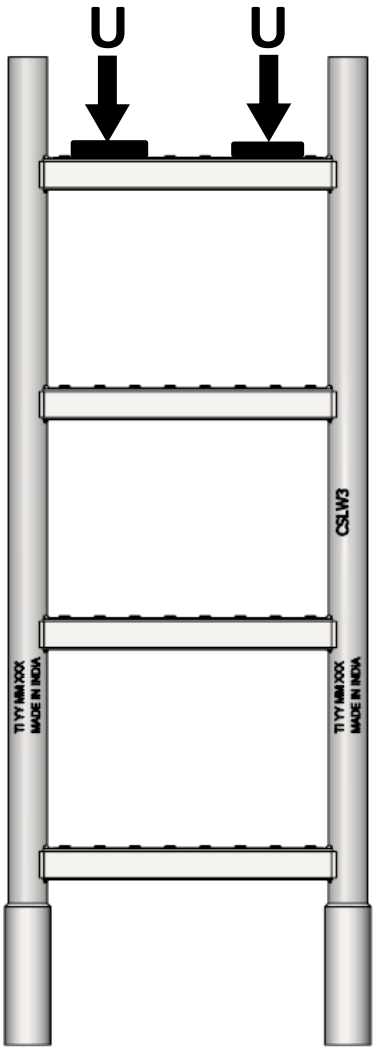
Product Code	Description	Allowable UDL (U)		Allowable End Load (P)	
		Lb/Ft	Kg/m	Lbs	Kg
CBB10	1 Board Bkt	757.0	1132.0	NA	NA
CBB110	2 Board Bkt	1535.0	2290.0	1184.0	538.0
CBB27	3 Board Bkt	725.0	1082.0	830.0	377.0

Notes: These loading specifications are provided for side bracket strength only. The maximum allowable load for this product must be determined from the platform material or the specification in the chart above, whichever is less. Side brackets are not to be used to support standards unless designed by an engineer.

Factor of Safety - 4:1

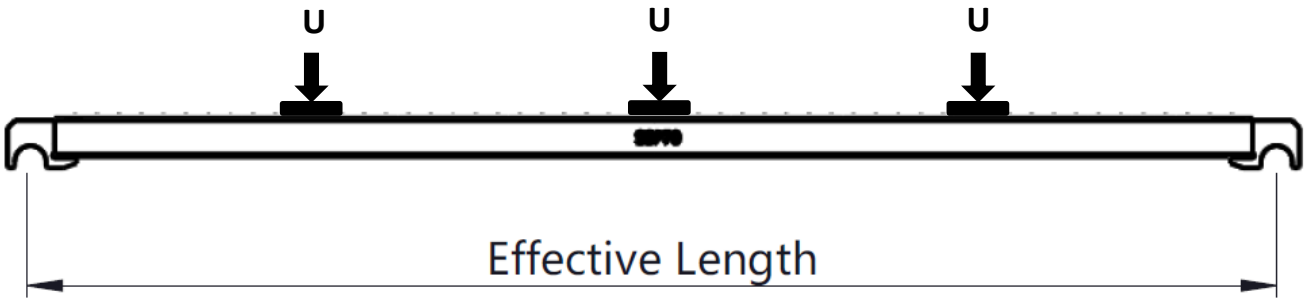
STEEL LADDER



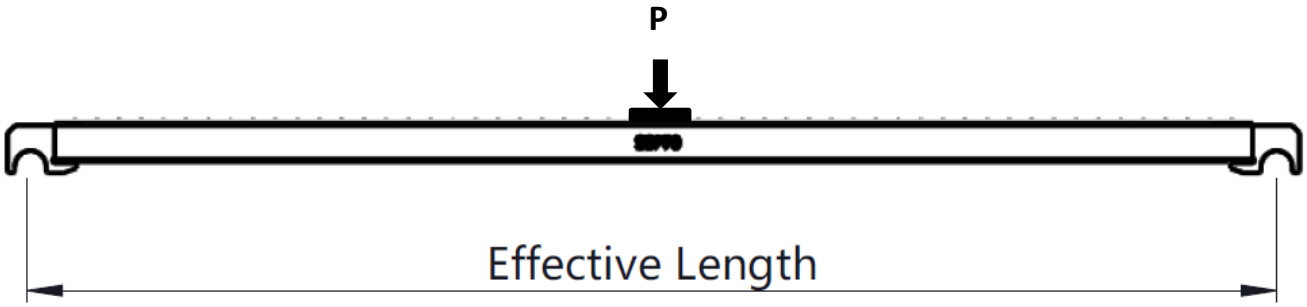


Product Code	Ladder Size		Maximum UDL (U)		Allowable Point Load (P)	
	Ft	Meter	lbs/Ft	Kg/m	Lbs	Kg
CSLW10AS	10'	3.00	51.0	76.0	225.0	102.0
CSLW5AS	5'	1.50	51.0	76.0	225.0	102.0
CSLW3AS	3'	1.00	51.0	76.0	225.0	102.0

SSP STEEL PLANKS



Uniformly Distributed Load



Point Load

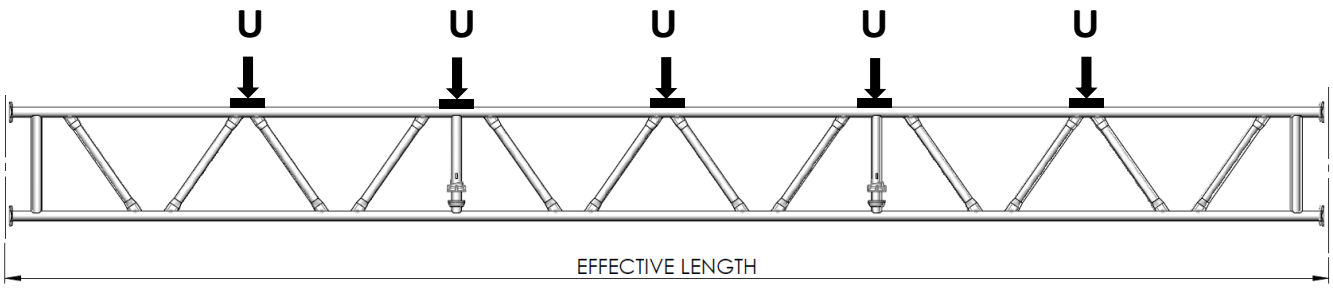
Safe Working Loads On Next Page…

Product Code	Effective Length		Safe UDL load (U)		Safe Point load (P)	
	Feet	Meter	Lbs/Ft	Kgs/M	lbs	Kgs
SSP36	3' 6"	1.06	769.0	3844.0	700.0	319.0
SSP40	4'	1.22	530.0	2651.0	644.0	293.0
SSP50	5'	1.52	321.0	1607.0	541.0	246.0
SSP60	6'	1.83	218.0	1087.0	472.0	214.0
SSP70	7'	2.13	124.0	620.0	359.0	164.0
SSP80	8'	2.43	102.0	510.0	322.0	147.0
SSP90	9'	2.73	80.0	400.0	275.0	125.0
SSP100	10'	3.04	72.0	359.0	230.0	106.0

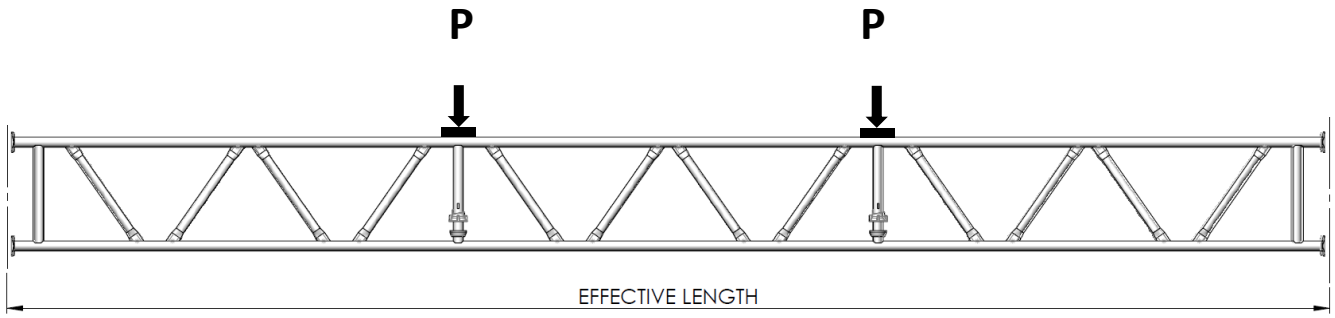
* All SSP planks from 2’ to 10’ are above 75Lbs/ft^2 at UDL, hence meets OSHA/ANSI load rating standards.

*Factor of Safety – 4:1

LATTICE GIRDERS



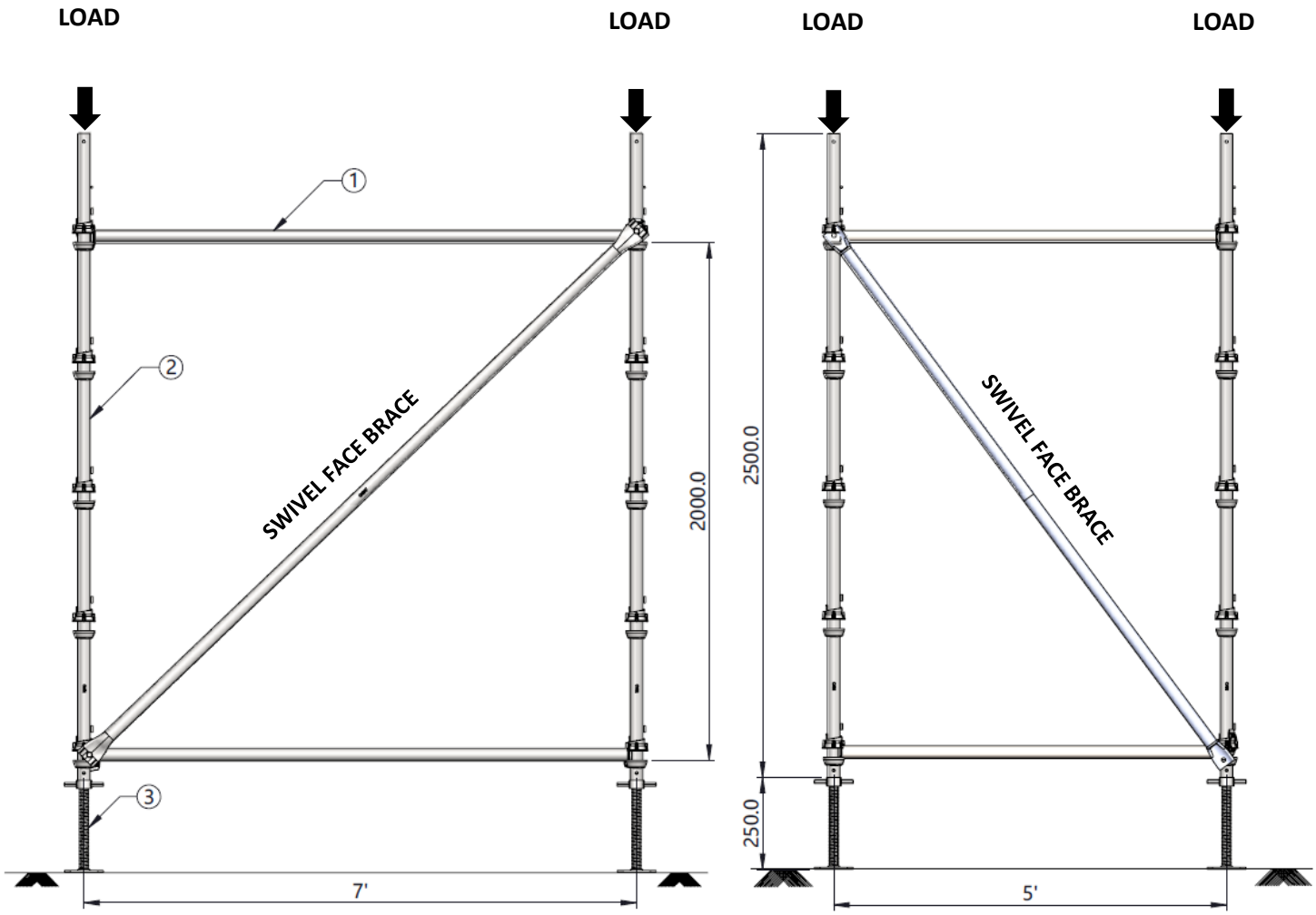
Uniformly Distributed Load



Point Load

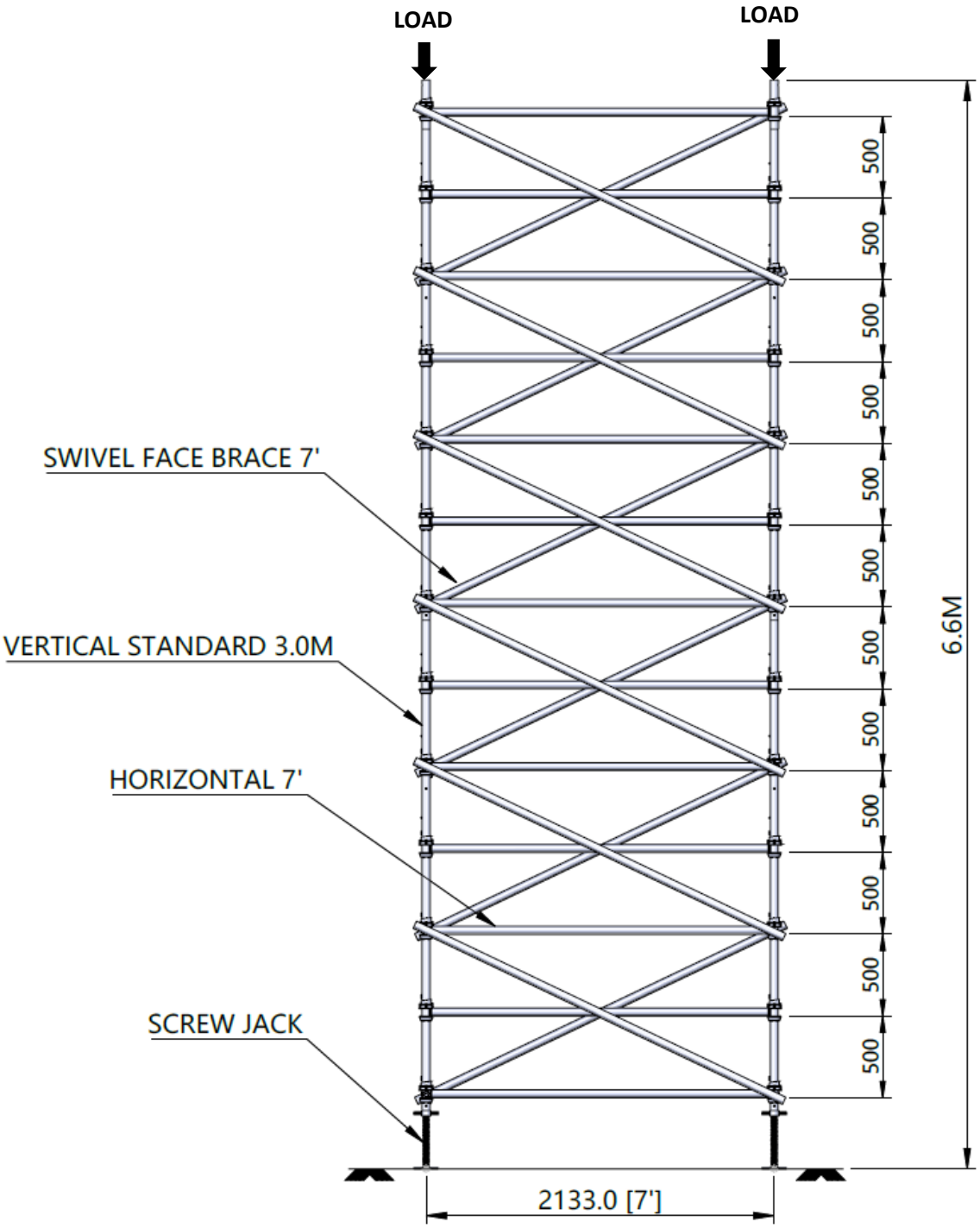
Product Code	Effective length		Uniformly Distributed Load ("U")		Point Load ("P") kN / lbs		
	Ft	Meter	kN	Lbs	Load per Point in kN / lbs	No of Load Points	Total Point Load in kN / lbs
CLG16	16'	4.88	*14.15 kN	*3180 lbs	*12.87 kN / *2894 lbs (per point)	1	*12.87 kN / *2894 lbs (for 1 point)
CLG17	17'	5.18	*12.63 kN	*2840 lbs	*10.39 kN / *2329* lbs (per point)	1	*10.39 kN / *2329* lbs (for 1 point)
CLG21	21'	6.40	*11.79 kN	*2651 lbs	*4.76 kN / *1067 lbs (per point)	2	*9.84 kN / *2134 lbs (for 2 points)
CLG24	24'	7.32	*10.04 kN	*2256 lbs	*3.23 kN / *726 lbs (per point)	3	*9.69 kN / *2178 lbs (for 3 points)
CLG28	28'	8.53	*9.96 kN	*2240 lbs	*3.03 kN / *682 lbs (per point)	3	*9.10 kN / *2046 lbs (for 3 points)

1) ONE TIER TEST WITH 2.0M LIFT



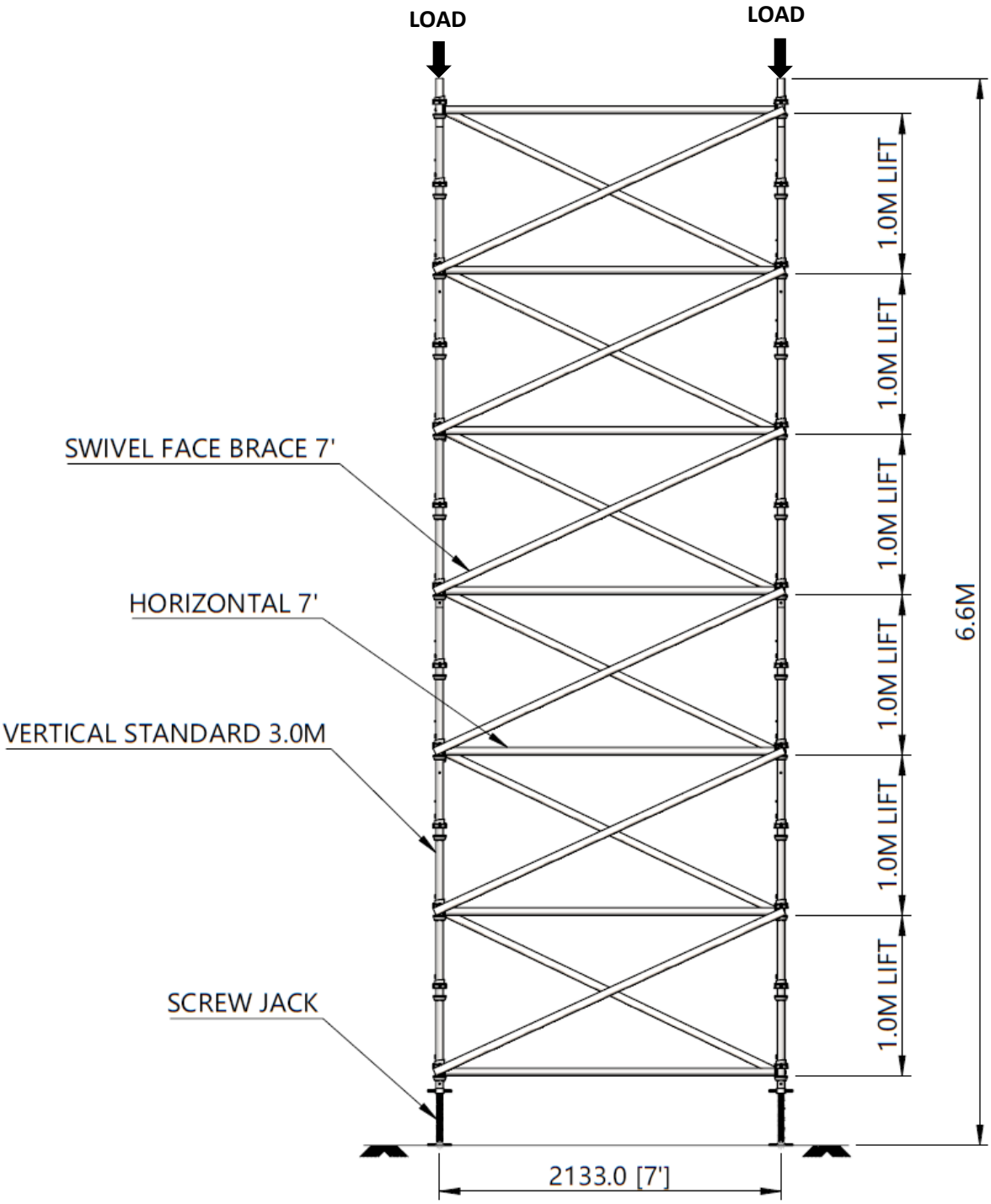
SWL for Leg Loading of each vertical: 5000 Lbs (2,272 Kgs.) / Leg **Factor of Safety: 4:1**

2) TOWER TEST WITH 0.5M HORIZONTAL SPACING



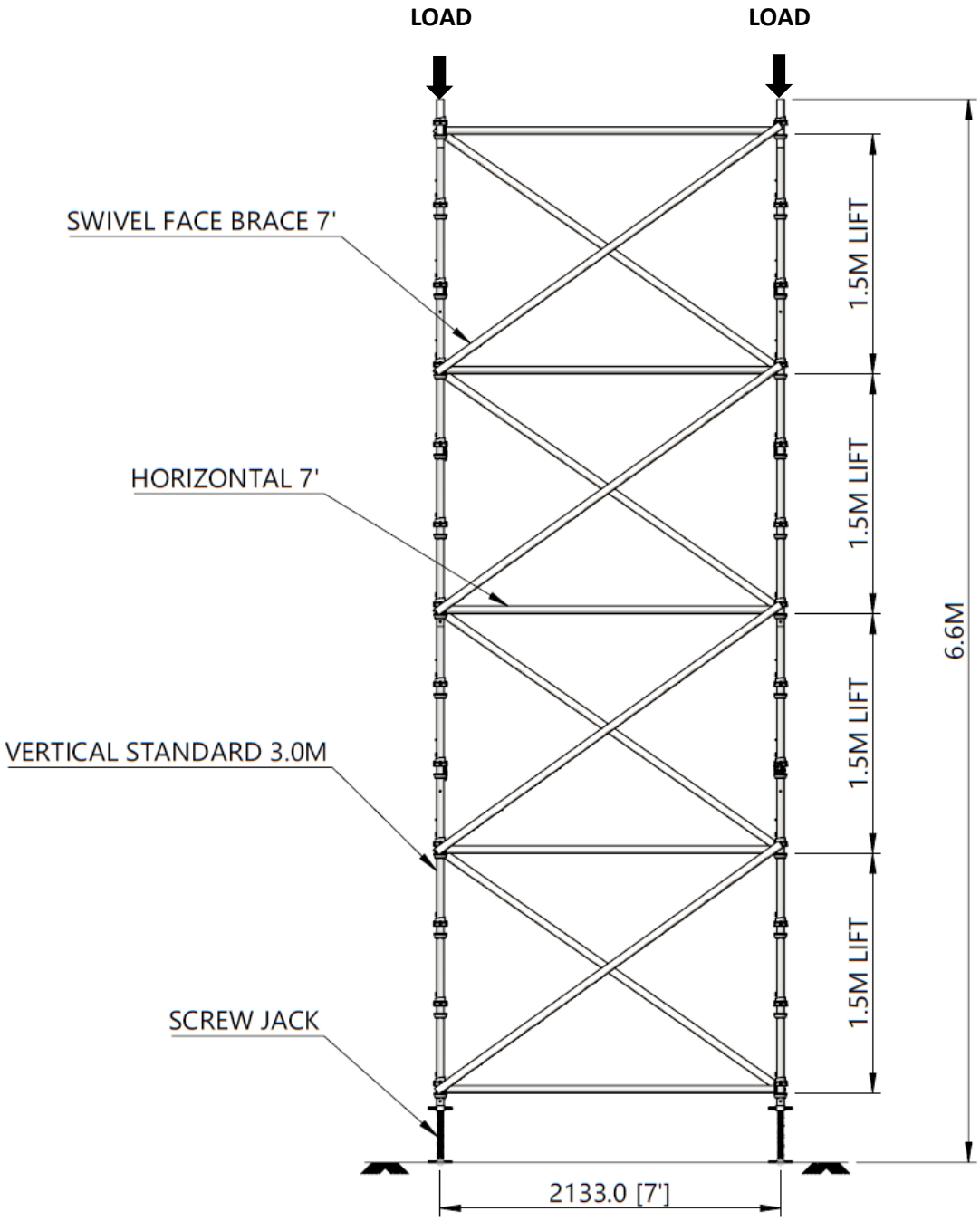
SWL for Leg Loading of each vertical: 9000 Lbs (4,090 Kgs.) / Leg Factor of Safety: 4:1

3) TOWER TEST WITH 1.0M HORIZONTALS SPACING



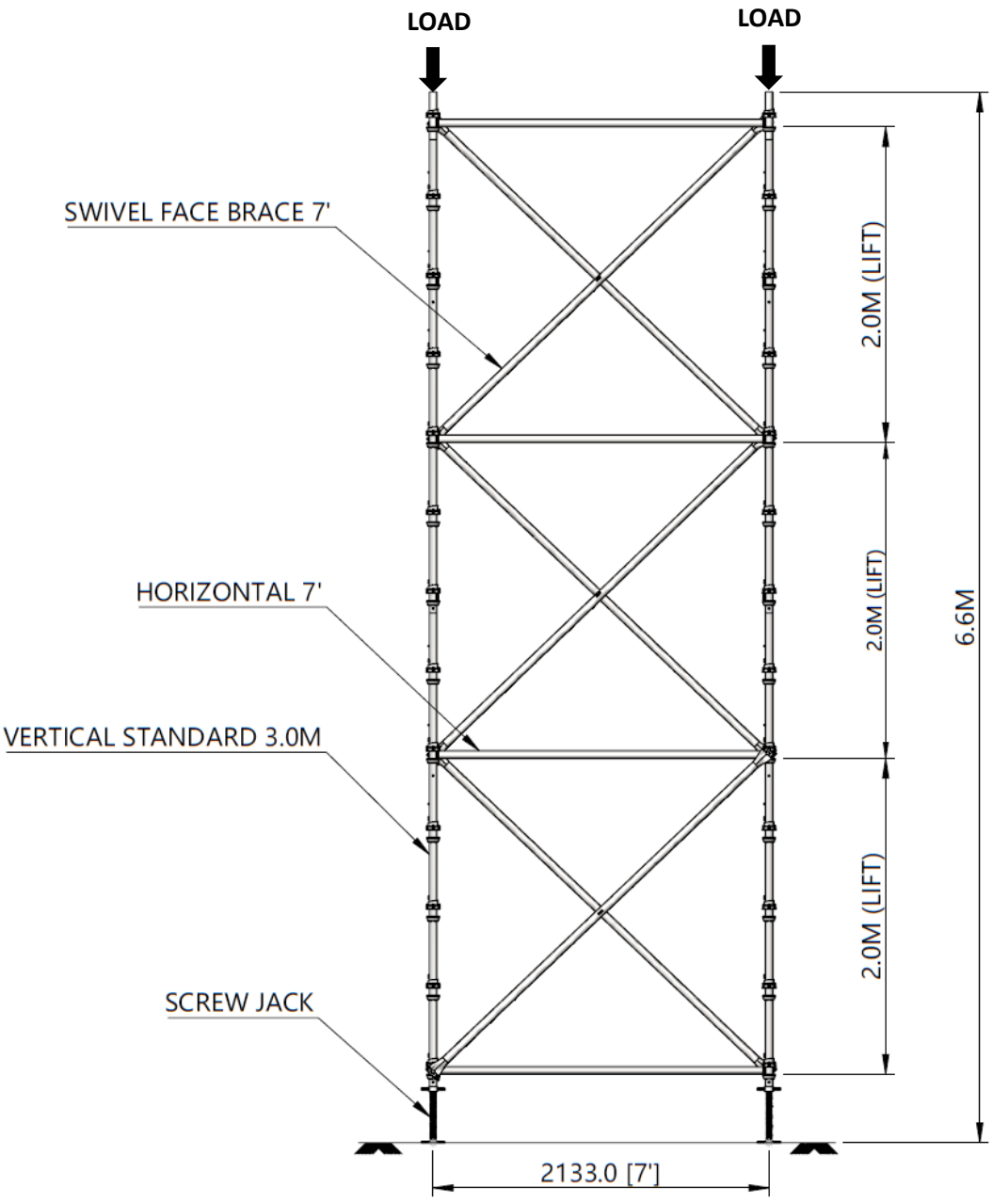
SWL for Leg Loading of each vertical: 8000 Lbs (3,636 Kgs.) / Leg **Factor of Safety: 4:1**

4) FOUR-TIER TEST WITH 1.5M LIFT



SWL for Leg Loading of each vertical: 6200 Lbs (2,818 Kgs.) / Leg Factor of Safety: 4:1

5) THREE-TIER TEST WITH 2.0M LIFT



SWL for Leg Loading of each Vertical: 5000 Lbs (2,272 Kgs.) / Leg Factor of Safety: 4:1