EIW 2022

eiw

SCAFFOLDING

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EIW SCAFFOLDING
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Design & Manufacturing

EIW Scaffolding and Scaffold components are designed and manufactured to meet or exceed Canadian Standards in Canada (C.S.A. 269.2 M87) and O.S.H.A. regulations and requirements in the U.S.A.

Unless otherwise noted, all loading data uses a 4:1 safety factor as per scaffolding regs.

In addition to materials provided by EIW Scaffolding, all clients, erectors and users of scaffolding are urged to obtain additional information on scaffolding erection and safety from the following:

~ Canadian Standards Association (CSA Z797)
~ Construction Safety Association of Ontario (Scaffolds in Construction)
~ Scaffolding and Access Industry Association (SAIA)
~ OSHA Standards
~ Local, Provincial and Federal Authorities having jurisdiction over the work that you are performing.

Total System Scaffold (TSS)

TSS is manufactured using high strength steel, robotically welded, with a hot-dip galvanize finish. This offers the user the highest possible product quality and durability with the least possible maintenance.

The EIW Total System Scaffold is one of the most advanced and complete modular system scaffolds on the world market.
All components are engineered to lock into the unique rosette and the system is designed to minimize the number of components and keep all components standard and flexible for design layout.
Total system scaffolding is erected with speed and efficiency which results in cost savings through labour and scheduling. The fastest and most efficient way of erecting scaffolding to suit all types of structures including refinery, industrial, renovation, special events and anything else you can imagine.

~ Versatile ~ Economical ~ Safe ~ Adaptable

* Most TSS components are available in both Steel and Aluminum.

EIW Manufactures to metric sizing, imperial measurements are nominal sizes.

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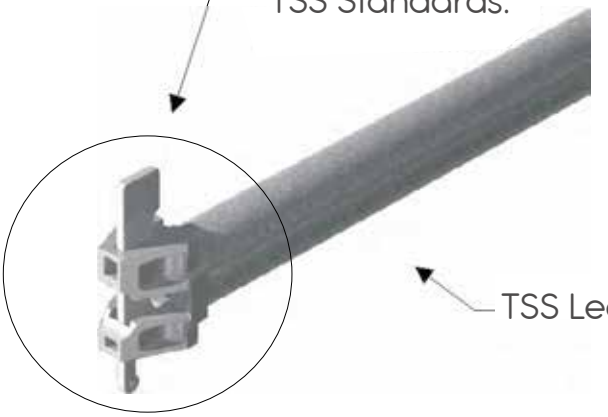
The basic elements and principle of The Total Scaffold System

Bottom end of TSS Standard.

Spigot. Bolted for secure connection between TSS standards. Removable.

Ledger head with Wedge. For positive lock into the TSS Standards.



TSS Ledger

Top of TSS Standard

Rosettes welded onto standards at 0.5M intervals along the standards. Ledgers engage in the 4 smaller slots at 90 degrees around the rosette. Bracing typically engage in the 4 large intermediate slots.

O/D of tube as per standard scaffold tube. I/D of tube reduced for lightness, and grade of steel increased to maintain strength.

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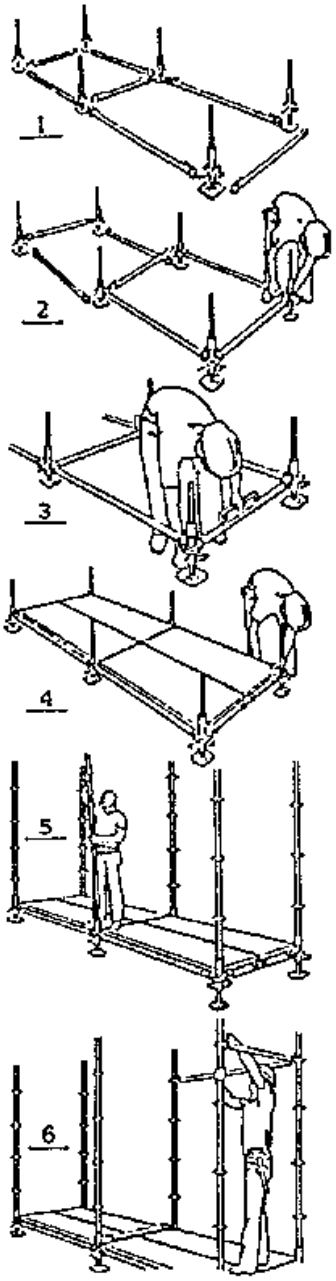
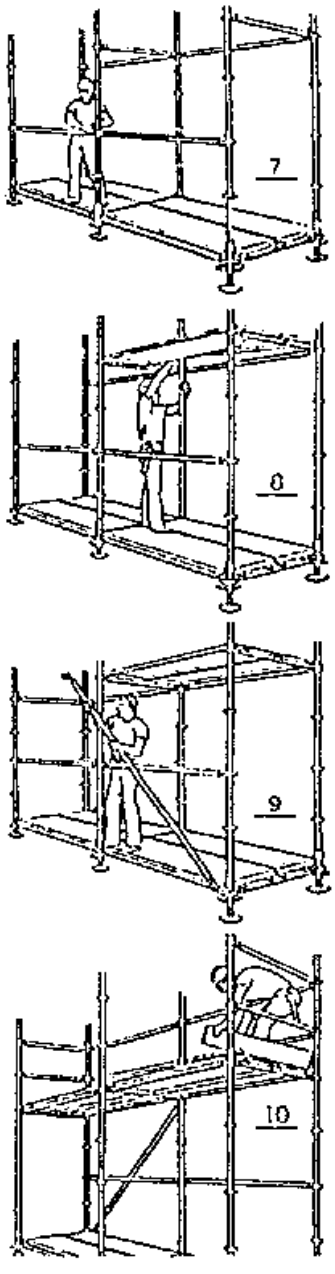
Basic Erection Instructions



1. Fit adjustable bases with collars and lay out roughly in position with their corresponding ledgers. Pick the highest ground level for a setting out point to simplify later adjustment. It helps if the screw jack is near (not at) the bottom of the thread by allowing maximum adjustment on lower ground levels.
2. Connect the ledgers to the rosette on the collar of the adjustable base. DO NOT DRIVE HOME THE WEDGES AT THIS STAGE.
3. Using a spirit level, adjust the bases so that the ledgers are horizontal. Accuracy in leveling at this stage eliminates the need for further leveling and plumbing as the scaffolding is erected.
4. Place two aluminum planks or four 255mm (10”) wide board in each bay spanning the ledgers to square up the system. Move progressively round the base of the scaffolding. When squared and leveled drive home the wedges.
5. When basing out is completed, the first standards are positioned into the collar of the base.
6. Ledgers can now be placed at the required levels.
7. Handrails is automatically positioned.
8. Planks are now moved up to this first lift, decking out fully if this is to be a working platform.
9. Fix diagonal braces across the face of the bays. Hammer wedges home.
10. The scaffolding is completed by adding ledger midrails, handrails and toe boards on the working platform.



Standards

		Weight	
No.	Description	(lbs)	(kg)
151-0050	STANDARD (1'7") (0.5M)	5.9	2.68
151-0100	STANDARD (3'3") (1M)	10.81	4.90
151-0150	STANDARD (4'11") (1.5M)	15.71	7.13
151-0200	STANDARD (6'7") (2M)	20.62	9.35
151-0300	STANDARD (9'10") (3M)	30.43	13.80
151-0151	BENT GUARDRAIL STANDARD (EV 4' 11") (1.5M)	17.77	8.06

~ Allowable leg load for the TSS standard is 22.64 KN/leg (5000 lbs) with a 4:1 Safety factor when following the conditions:

A) The vertical unbraced length of the standard is 2M (6'6-3/4")

B)The system is used, erected and maintained in good working order.

~ TSS Rosettes can accommodate up to 8 connections of combined ledgers and braces. Each of these can safely carry a load of 11.12 kN (2500 lbs). However, the total sum of the ledger load must NOT exceed the recommended leg load or the given bracing situation.

Single Ledgers

		Weight		UDL		P	
No.	Description	(lbs)	(kg)	(lbs/ft)	(KN/m)	(lbs)	(KN)
152-0100	SINGLE LEDGER (1') (0.305M)	4.71	2.14	1200	17.75	1250	5.56
152-0104	SINGLE LEDGER (1'4") (0.407M)	5.51	2.50	1200	17.75	1250	5.56
152-0202	SINGLE LEDGER (2'2") (0.65M)	7.41	3.36	1200	17.75	1250	5.56
152-0210	SINGLE LEDGER (2'10") (0.880M)	9.2	4.17	320	4.67	640	2.84
152-0306	SINGLE LEDGER (3'6") (1.065M)	10.64	4.83	320	4.67	640	2.84
152-0310	SINGLE LEDGER (3'10") (1.15M)	11.31	5.13	320	4.67	640	2.84
152-0502	SINGLE LEDGER (5'2") (1.57M)	14.6	6.62	200	2.92	510	2.27
152-0504	SINGLE LEDGER (5'4") (1.63M)	15.03	6.82	200	2.92	510	2.27
152-0700	SINGLE LEDGER (7') (2.13M)	18.96	8.60	105	1.53	360	1.6
152-0800	SINGLE LEDGER (8') (2.44M)	21.37	9.69	80	1.17	320	1.42
152-0806	SINGLE LEDGER (8'6") (2.57M)	22.55	10.23	70	1.02	300	1.33
152-1000	SINGLE LEDGER (10') (3.05M)	26.14	11.86	50	0.73	250	1.11

Truss Ledgers / Double Ledgers

		Weight		UDL		P	
No.	Description	(lbs)	(kg)	(lbs/ft)	(KN/m)	(lbs)	(KN)
153-0310	TRUSS LEDGER (3'10") (1.15M)	19.97	9.06	1000	14.59	2000	8.9
153-0502	TRUSS LEDGER (5'2") (1.57M)	26.56	12.05	1000	14.59	2000	8.9
153-0504	TRUSS LEDGER (5'4") (1.63M)	27.4	12.43	1000	14.59	2000	8.9
153-0700	TRUSS LEDGER (7') (2.13M)	35.56	16.13	714	10.42	2000	8.9
153-0800	TRUSS LEDGER (8') (2.44M)	40.37	18.31	573	8.36	1840	8.2
153-0806	TRUSS LEDGER (8'6") (2.57M)	46.62	21.15	573	8.36	1840	8.2
153-1000	TRUSS LEDGER (10') (3.05M)	49.92	22.64	367	5.36	1460	6.5

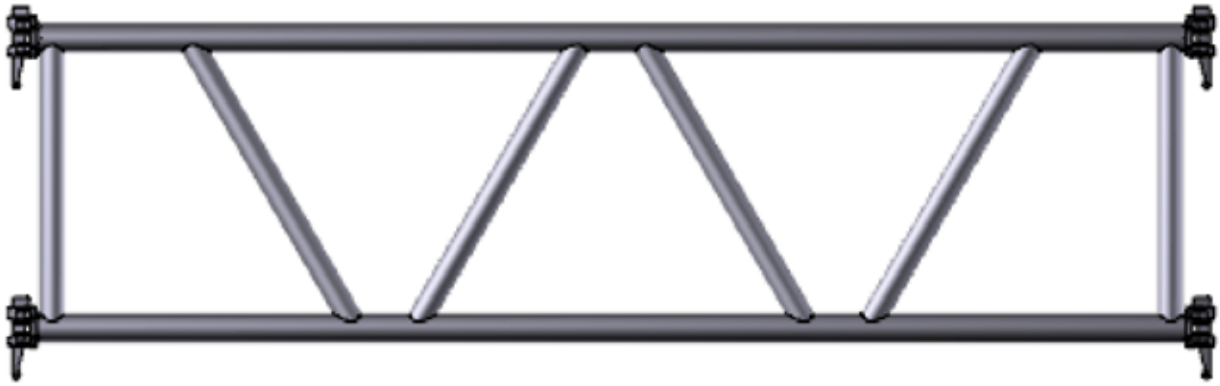
~ Custom sizes of single and truss ledgers are available upon request
~ Ledger sizes are based on center to center of standards when installed.

Double Truss Ledgers / Lattice Girders

		Weight		UDL		P	
No.	Description	(lbs)	(kg)	(lbs/ft)	(KN/m)	(lbs)	
154-0310	DOUBLE TRUSS LEDGER (3'10") (1.15M)	33.56	15.22	715	10.43	2000	1 point @ 1/2
154-0502	DOUBLE TRUSS LEDGER (5'2") (1.57M)	42.62	19.33	715	10.43	2000	1 point @ 1/2
154-0504	DOUBLE TRUSS LEDGER (5'4") (1.626M)	43.47	19.72	715	10.43	2000	1 point @ 1/2
154-0700	DOUBLE TRUSS LEDGER (7') (2.13M)	54.84	24.87	715	10.43	2000	1 point @ 1/2
154-0800	DOUBLE TRUSS LEDGER (8') (2.44M)	67.73	30.72	625	9.11	2000	1 point @ 1/2
154-0806	DOUBLE TRUSS LEDGER (8'6") (2.57M)	67.73	30.72	625	9.11	2000	1 point @ 1/2
154-1000	DOUBLE TRUSS LEDGER (10') (3.05M)	75.2	34.11	500	7.29	2000	1 point @ 1/2
154-1400	DOUBLE TRUSS LEDGER (14') (4.267M)	106.06	48.11	360	5.25	2000	1 point @ 1/2
154-1700	DOUBLE TRUSS LEDGER (17') (5.18M)	126.41	57.34	295	4.3	2000	1 point @ 1/2
154-2000	DOUBLE TRUSS LEDGER (20') (6.096M)	146.76	66.57	250	3.65	2000	1 point @ 1/2
154-2100	DOUBLE TRUSS LEDGER (21') (6.4M)	157.28	71.34	240	3.5	1500	2 points @ 1/3

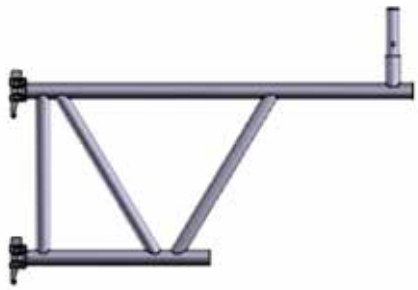
~ Custom sizes available upon request

~ Ledger sizes are based on center to center of standards when installed.



Side Brackets

		Weight		UDL		P	
No.	Description	(lbs)	(kg)	(lbs)	(kg)	(lbs)	(kg)
160-0104	SIDE BRACKET (1'4") (0.407M)	11.17	5.07	1100	500	550	250
160-0202	SIDE BRACKET (2'2") (0.65M)	14.36	6.51	1100	500	550	250
160-0210	SIDE BRACKET (2'10") (0.88M)	17.17	7.79	1100	500	550	250
160-0310	SIDE BRACKET (3'10" X 19.5") (1.15M X .5M)	26.87	12.19	1100	500	550	250



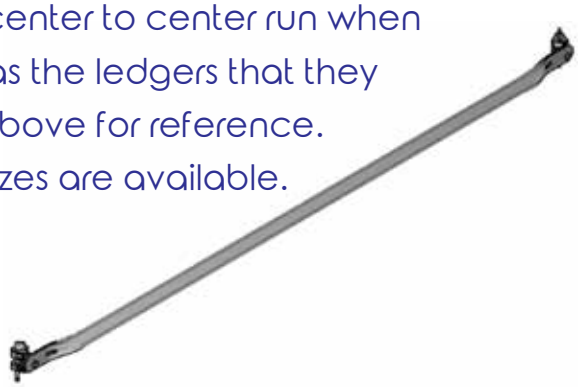
Bay Braces

		Weight		Diagonal Length	
No.	Description	(lbs)	(kg)	ft	M
156-0202	BAY BRACE (2M X 2'2") (0.65M)	14.88	6.75	6'10-1/2"	2.073
156-0210	BAY BRACE (2M X 2'10") (0.880M)	15.26	6.92	7'1/2"	2.146
156-0310	BAY BRACE (2M X 3'10") (1.15M)	15.84	7.18	7'5"	2.258
156-0502	BAY BRACE (2M X 5'2") (1.57M)	17.02	7.72	8'1-3/4"	2.482
156-0504	BAY BRACE (2M X 5'4") (1.626M)	17.19	7.80	8'3"	2.515
156-0700	BAY BRACE (2M X 7') (2.13M)	18.94	8.59	9'4-1/8"	2.848
156-0800	BAY BRACE (2M X 8') (2.44M)	31.67	14.37	10'1"	3.075
156-0806	BAY BRACE (2M X 8'6") (2.57M)	31.67	14.37	10'5-1/8"	3.178
156-1000	BAY BRACE (2M X 10') (3.05M)	35.46	16.08	11'8-1/4"	3.562
158-0306	BAY BRACE (1M X 3'6") (1.065M)	11.28	5.12	4'1/2"	1.388

~ Brace sizes are based on the horizontal center to center run when installed on standards, to be the same as the ledgers that they work with. Diagonal lengths included above for reference.

~ Rise on all standard braces is 2M, other sizes are available.

~ Custom sizes available upon request



Storage

		Weight	
No.	Description	(lbs)	(kg)
308-0300	BASKET (36" X 36" X 25")	116	52.62
308-0550	TSS STACK RACK (36" X 36" X 25")	65.43	29.68

~ Allowable Load for the TSS Racks & Baskets is (2600 lbs) 1200 kg

~ Care must be taken to ensure that ground or floor is strong enough to take load from stacked and loaded racks and baskets.

Aluminum Plydeck – Non Slip

		Weight		Safe Working Load	
No.	Description	(lbs)	(kg)	(lbs/sqft)	(KN/m2)
311-1931	ALUM PLYDECK (19" X 3'10")	19.45	8.82	75	3.6
311-1936	ALUM PLYDECK (19" X 3'6")(0.483M X 1.06)	18.21	8.26	75	3.6
311-1952	ALUM PLYDECK (19" X 5'2")	25.55	11.59	75	3.6
311-1954	ALUM PLYDECK (19" X 5'4")	26.33	11.94	75	3.6
311-1970	ALUM PLYDECK (19" X 7')	33.62	15.25	75	3.6
311-1910	ALUM PLYDECK (19" X 10')	50.74	23.02	75	3.6
311-2870	ALUM PLYDECK (28" X 7')	46.22	20.97	25	1.2
311-2810	ALUM PLYDECK (28" X 10')	64.19	29.12	25	1.2
312-2870	ALUM PLYDECK W/HATCH ONLY (28" X 7')	48.16	21.84	25	1.2
312-2810	ALUM PLYDECK W/HATCH ONLY (28" X 10')	66.26	30.06	25	1.2
312-2871	ALUM PLYDECK W/HATCH & LADDER (28" X 7')	72.09	32.7	25	1.2
312-2811	ALUM PLYDECK W/HATCH & LADDER (28"X10')	90.13	40.88	25	1.2

~ Custom sizes available upon request.

Steel Plank

		Weight		UDL	
No.	Description	(lbs)	(kg)	(lbs/ft)	(KN/m)
321-9522	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 2'2")	9.72	4.41	50	2.4
321-9531	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 3'10")	16.1	7.30	50	2.4
321-9536	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 3'6")	15.02	6.81	50	2.4
321-9552	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 5'2")	21.49	9.75	50	2.4
321-9554	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 5'4")	22.17	10.06	50	2.4
321-9570	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 7')	31	14.06	50	2.4
321-9510	STEEL PLANK W/LOW PROFILE HOOKS (9.5" X 10')	40.34	18.30	50	2.4

Steel Interlocking Toeboard

		Weight	
No.	Description	(lbs)	(kg)
335-0202	STEEL INTERLOCKING TOEBOARD (2'2")(.65M)	10	4.54
335-0310	STEEL INTERLOCKING TOEBOARD (3'10")(1.15M)	9.28	4.21
335-0502	STEEL INTERLOCKING TOEBOARD (5'2")(1.57M)	10	4.54
335-0700	STEEL INTERLOCKING TOEBOARD (7')(2.13M)	14	6.35
335-1000	STEEL INTERLOCKING TOEBOARD (10')(3.05M)	20	9.07

Ladders

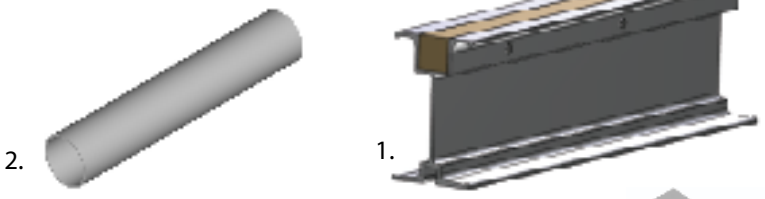
		Weight	
No.	Description	(lbs)	(kg)
341-2500	LADDER BRACKET W/2" WEDGE CLAMP (17.25" X 7.5")	7.24	3.28
341-2501	LADDER BRACKET W/2" BOLT CLAMP (17.25" X 4.5")	6.39	2.90
341-2530	LADDER - 1.25" DIA LEG (17.25" X 3')	10.59	4.80
341-2550	LADDER - 1.25" DIA LEG (17.25" X 5')	16.99	7.71
341-2560	LADDER - 1.25" DIA LEG (17.25" X 6')	19.34	8.77

Stairs

		Weight	
No.	Description	(lbs)	(kg)
162-1036	STAIR STRINGER - (1M X 3' 6")(1.065M)	23.01	10.44
162-2070	STAIR STRINGER - (2M X 7')(2.13M)	42.67	19.35
162-3270	STAIR TREAD - 32"(FOR 1.065M LEDGER W/7' STRINGER)	18.29	8.30

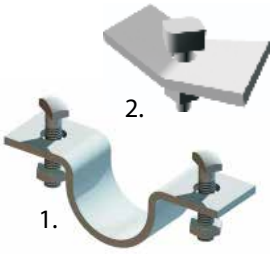
Beam and Tube

			Weight	
	No.	Description	(lbs)	(kg)
1.	376-0100	BEAM - ALUM W/ FILLER (6.5" X 1')(0.165M X 0.305M)	5.5	2.50
2.	360-0100	TUBE - ALUMINUM (1.9" O.D. SCH. 40) - 1'	1	0.45



Accessories

			Weight	
	No.	Description	(lbs)	(kg)
1.	330-1100	V-BEAM CLAMP W/T-BOLTS	1.17	0.53
2.	330-1110	SPRING CLIP ASSEMBLY (BEAM CLIP) W/T-BOLT	0.75	0.34

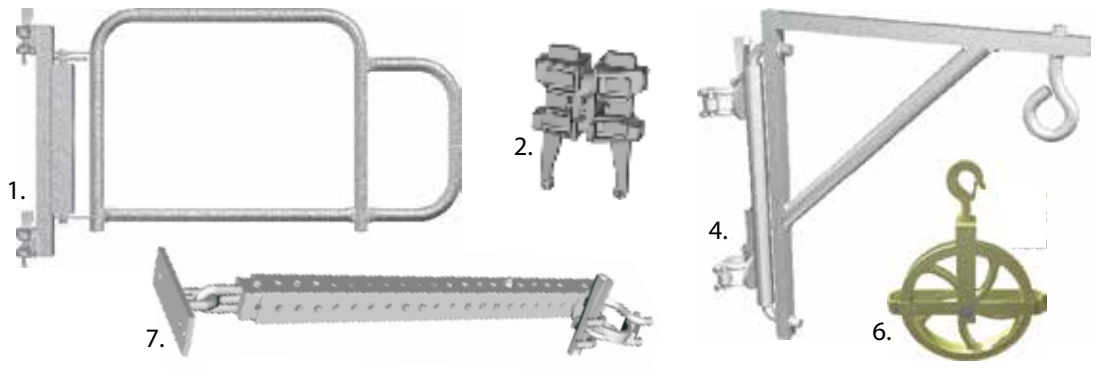


			Weight		Allowable Load	
	No.	Description	(lbs)	(kg)	(lbs)	(kg)
1.	330-0610	RIGHT ANGLE BOLT CLAMP (2" X 2")(51 MM X 51 MM)	3.99	1.81	2500	11.1
2.	330-0810	SWIVEL BOLT CLAMP (2" X 2")(51 MM X 51 MM)	3.99	1.81	1500	6.6
3.	330-0700	RIGHT ANGLE WEDGE CLAMP (2" X 2")(51 MM X 51 MM	3.5	1.59	2500	11.1
4.	330-0900	SWIVEL WEDGE CLAMP (2" X 2")(51 MM X 51 MM)	4	1.81	1500	6.6
5.	330-1000	END TO END COUPLER - WEDGE	3.97	1.80	1200	5.45
6.	330-0100	BEAM LOCK - RIGID W/7/8" DIA NUT	3.4	1.54	2500	11.1
7.	330-0110	BEAM LOCK - SWIVEL W/7/8" DIA NUT	3.6	1.63	2500	11.1
8.	150-1120	RIGHT ANGLE ADAPTER BOLT CLAMP - TSS	2.75	1.25	2500	11.1
9.	150-1130	SWIVEL ADAPTER BOLT CLAMP - TSS	2.75	1.25	1500	6.6
10.	150-1125	RIGHT ANGLE ADAPTER WEDGE CLAMP - TSS	2.75	1.25	2500	11.1
11.	150-1135	SWIVEL ADAPTER WEDGE CLAMP - TSS	3.7	1.68	1500	6.6
12.	150-1110	MULLEN CLAMP	2	0.91	250	1.11
13.	150-1310	WEDGE CLAMP ROSETTE - TSS	2.76	1.25	1000	4.4
14.	150-1410	ROSETTE - WALL MOUNT	4.34	1.97	2500	11.1
15.	150-2100	SPIGOT ADAPTER (SADDLE PIN) - BOLT TYPE	3.43	1.56	2500	11.1
16.	150-2110	SPIGOT ADAPTER (SADDLE PIN) - WEDGE TYPE	4.39	1.99	2500	11.1
17.	330-0200	TOE BOARD BRACKET	2.92	1.32	1500	6.6

TSS Accessories

			Weight	
	No.	Description	(lbs)	(kg)
1.	150-0110	BASE COLLAR	4.29	1.95
2.	150-0240	BASE PLATE - TSS (6" X 6")(0.1524M X 0.1524M)	3.28	1.49
3.	309-0100	BASE JACK (24" (6"X6" BASE))(0.1524M X 0.1524M BASE)	13.51	6.13
4.	309-0500	SWIVEL JACK - (24" (6"X6" BASE))(0.609 0.1524MX0.1524M BASE)	15.85	7.19
5.	150-0310	TSS SYSTEM CASTOR - (8")(2200 LB/S 1100 LB/R CAPACITY)	13	5.90
6.	150-0320	TSS SYSTEM CASTOR - (8") W/ JACK (2200 LB/S 1100 LB/R CAPACITY)	15	6.80
7.	150-0330	TSS SYSTEM CASTOR - (12") (4000 LB/S 2000 LB/R CAPACITY)	20	9.07
8.	150-0340	TSS SYSTEM ADAPTER SLEEVE FOR 12" CASTOR	10.74	4.87
9.	350-0310	J-HEAD - BOLT ON (6" X 6")(0.1524M X 0.1524M)	4.81	2.18
10.	150-8100	LOCKING PIN - TSS PIGTAIL (TSS - 3/8")	0.28	0.13

			Weight	
	No.	Description	(lbs)	(kg)
1.	150-4036	SAFE-T-GATE - TSS 3'6"	25.2	11.43
2.	150-1210	BACK TO BACK LEDGER HEAD W/ WEDGE AND RIVET	2.9	1.32
3.	150-5100	BRACKET - FIXED TSS DAVIT ARM	20.38	9.24
4.	150-5110	BRACKET - SWIVEL TSS DAVIT ARM	24.55	11.14
5.	350-0100	SWING ARM - PULLEY BRACKET	17.55	7.96
6.	350-0110	GIN WHEEL - (12")(0.305M)	17	7.71
7.	350-2000	WALL TIE - ADJUSTABLE	10.8	4.90



TOTAL SCAFFOLD SYSTEM (TSS)
LOADING CHART
FOR SCAFFOLD APPLICATIONS

All of the allowable working loads shown on this load table have a factor of safety of 4.0 to 1 against failure.

Column 1 is defined as the effective column length between two vertically adjacent horizontal ledgers with each node point having at least two ledgers at right angles thus supporting the column at the node points from movement in both directions.

Column 1		Bay Length (centre to centre of Standards	
Vertical Ledger Spacing		x-Dimension (varying from 0.75m to 2.5m)	
(m)	(ft)	(kg)	(lbs)
1.0	3'-3"	5682	10000
1.5	4'-11"	3864	8500
2.0	6'-6"	2273	5000

x-Dimension=Ledger length

For other applications and load situations, contact EIW Engineering

EIW Scaffolding
141 Rivalda Rd., Toronto, Ontario, M9M 2M6
416-742-7111 ~ www.eiw.ca ~ scaffold.sales@eiw.ca

TSS Rosettes

The TSS rosette can accommodate up to 8 connections of combined ledgers and braces. The rosettes can take a total load of 2500 lbs (11.12 kN).

Tube used in standards and ledgers

Section properties of 1.9" OD X .125" Steel tube is:

	Metric	Imperial
Yield Strength	35.23 kg/mm^2	50000 psi
Tensile Strength	45.69 kg/mm^2	65000 psi
Elongation	30%	
OD	48.3 mm	1.9 inches
Wall thickness	3.18 mm	0.125 inches
Area	451 mm^2	0.699 $inches^2$
Section Modulus	4.77 E3 mm^3	.291 $inches^3$
Moment of Inertia	0.115 E6 mm^4	0.277 $inches^4$
Radius of Gyration	16 mm	0.630 inches

Tube used in bay braces

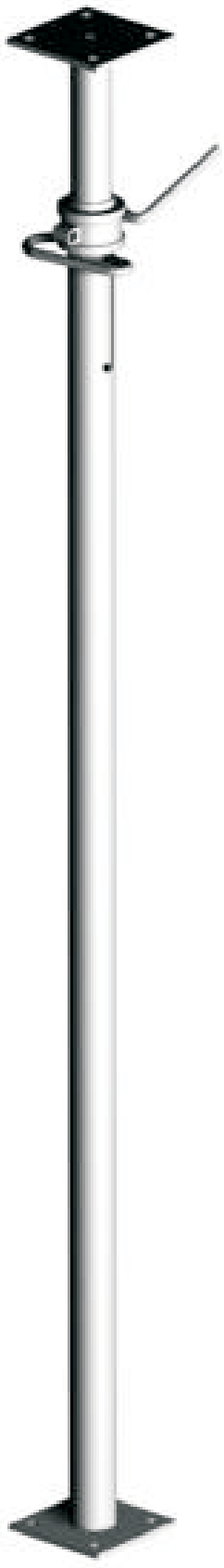
Section properties of 1.69" OD X .095" Steel tube is:

	Metric	Imperial
Yield Strength	35.23 kg/mm^2	50000 psi
Tensile Strength	45.69 kg/mm^2	65000 psi
Elongation	30%	
OD	42.9 mm	1.69 inches
Wall thickness	2.41 mm	0.095 inches
Area	307 mm^2	0.476 $inches^2$
Section Modulus	2.95 E3 mm^3	0.180 $inches^3$
Moment of Inertia	0.632 E4 mm^4	0.152 $inches^4$
Radius of Gyration	14.35 mm	0.565 inches

Post Shores

		Weight	
No.	Description	(lbs)	(kg)
510-0000	POST SHORE - #0 GALVANIZED (3'6 - 6')	35	15.88
510-1000	POST SHORE - #1 GALVANIZED (5'11 - 9'10)	42	19.05
510-2000	POST SHORE - #2 GALVANIZED (6'6 - 11'6)	46	20.87
510-3000	POST SHORE - #3 GALVANIZED (8'2 - 13'1)	50	22.68
510-4000	POST SHORE - #4 GALVANIZED (10'9 - 15'7)	60	27.22

No.	510-0000	510-1000	510-2000	510-3000	510-4000
Size	#0	#1	#2	#3	#4
Height Range	(3'6 - 6')	(5'11 - 9'10)	(6'6 - 11'6)	(8'2 - 13'1)	(10'9 - 15'7)
Weight (lbs)	35	42	46	50	60
Weight (kg)	15.88	19.05	20.87	22.68	27.22
EXTENSIONS	CAPACITIES (lbs)				
1.00M (3'3")	12,360				
1.5M (4'9")	10,800				
1.6M (5'5")	9,440				
1.8M (5'11")	8,320	11,400			
1.9M (6'3")		10,860			
2.00M (6'6")		10,310	8,190		
2.1M (7'3")		10,310	7,980		
2.2M (7'3")		9,760	7,760		
2.3M (7'6")		9,220	7,580		
2.4M (7'10")		8,810	7,375		
2.5M (8'2")		8,260	7,155		
2.6M (8'8")		7,913	6,825	7,877	
2.7M (8'10")		7,280	6,713	7,660	
2.8M (9'2")		7,125	6,540	7,220	
2.9M (9'6")		6,785	6,370	6,780	
3M (9'10")		6,455	6,190	6,340	
3.1M (10'2")		5,700	6,025	5,910	
3.2M (10'6")			5,840	5,460	7,050
3.3M (10'10")			5,675	5,050	6,880
3.4M (11'2")			5,587	4,730	6,540
3.5M (11'6")			5,230	4,425	6,210
3.6M (11'10")				4,125	5,875
3.7M (12'2")				3,830	5,540
3.8M (12'6")				3,600	5,280
3.9M (12'10")				3,230	4,860
4M (13'2")				3,020	4,575
4.1M (13'6")					4,360
4.2M (13'10")					4,060
4.3M (14'1")					3,870
4.4M (14'5")					3,630
4.5M (14'9")					3,380
4.6M (15'1")					3,140
4.7M (15'5")					2,900
4.8M (16')					2,780



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