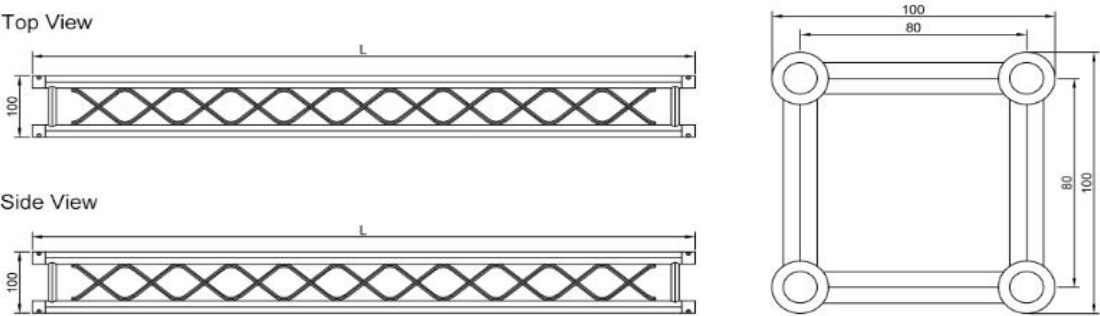
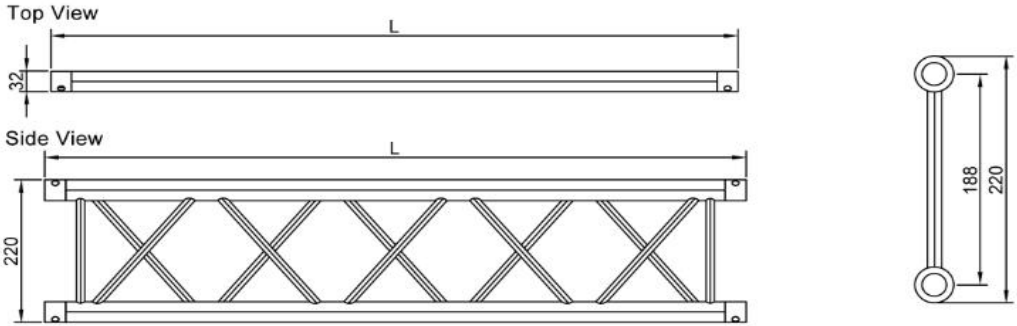






# Data For Loading Weight Of Per Truss Type

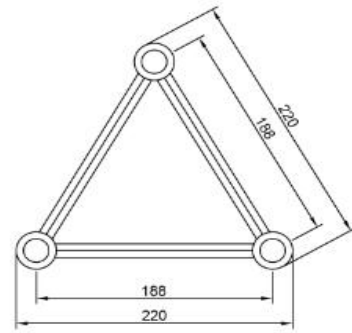
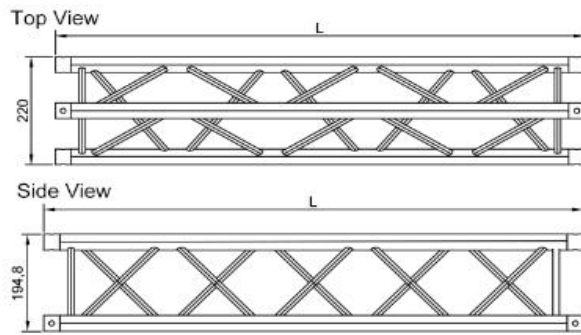
## SPIGOT TRUSS



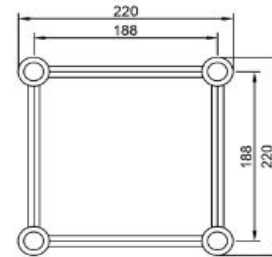
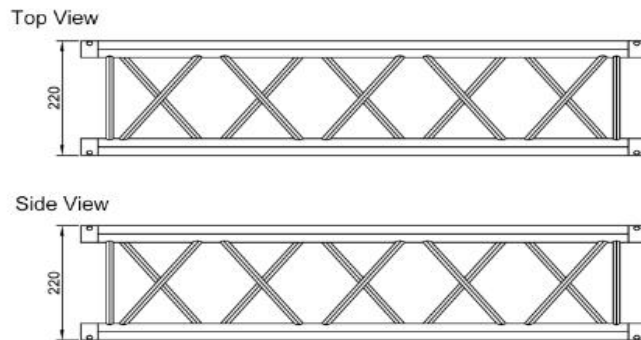
GPPSST1010	Span(m)	2m	3m	4m	5m	6m
Section Type Spigot Square Material: 6061-T6/6082-T6 Main tube: $\phi 20 \times 2$ mm Braces: Solid bar $\phi 5$ mm Weight: ~1.3kg/m	 (kg)	300	160	90	55	32
	 (mm)	8	45	70	95	110
	 (kg)	180	140	110	85	68
	 (mm)	8	30	45	63	75
inch=25.4mm 1m=3.28ft 1 lbs=0.453kg						







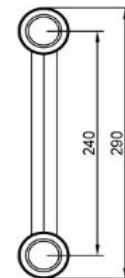
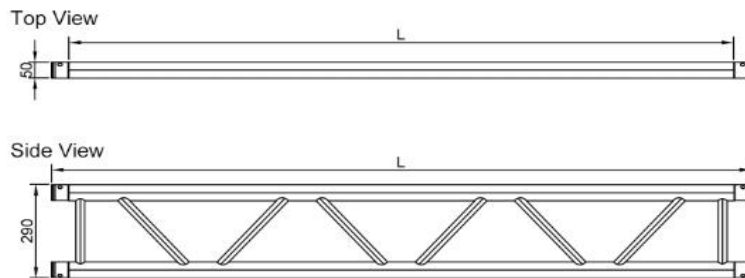
GPPLST22	Span(m)	4m	6m	8m	10m
Section Type Spigot Ladder Material: 6061-T6/6082-T6 Main tube: $\phi 32 \times 2$ mm Vice tube: $\phi 16 \times 2$ mm Braces: $\phi 16 \times 2$ mm Weight: ~1.3kg/m	 (kg)	200	174	130	80
	 (mm)	2	6	15	36
	 (kg)	125	90	68	43
	 (mm)	3	7	11	23
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg					



GPPTST22	Span(m)	2m	4m	6m	8m	10m
Section Type Spigot Triangular	 (kg)	165.1	55.1	23.6	12.6	7.5
Material: 6061-T6/6082-T6	 (mm)	2.5	11.5	27	48	75
Main tube: $\phi 32 \times 2 \text{mm}$	 (kg)	220.5	115.3	75.8	50.3	37.5
Vice tube: $\phi 16 \times 2 \text{mm}$	 (mm)	2	10	22.5	35	62
Braces: $\phi 16 \times 2 \text{mm}$						
Weight: $\sim 3.6 \text{kg/m}$						
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg						




GPPSST2222	Span(m)	2m	4m	6m	8m
Section Type Spigot Square	 (kg)	520	400	210	125
Material: 6061-T6/6082-T6	 (mm)	4	21	45	75
Main tube: $\phi 32 \times 2 \text{mm}$	 (kg)	355	300	252	220
Vice tube: $\phi 16 \times 2 \text{mm}$	 (mm)	2	15	31	52
Braces: $\phi 16 \times 2 \text{mm}$					
Weight: $\sim 4.5 \text{kg/m}$					
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg					



The image contains three technical drawings of a truss structure. On the left, there are two views of a long truss: a 'Top View' and a 'Side View'. Both views show a truss with a total length  $L$  and a height of 290. The truss consists of two horizontal top and bottom chords connected by a series of diagonal members forming 'X' shapes. On the right, there is a detailed view of a triangular truss section. This section has two equal side members of length 240 and a horizontal base member of length 290. The joints are represented by circles, indicating pin or roller supports.


Top View



290

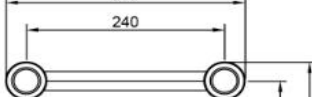
240

Side View



290

240







290

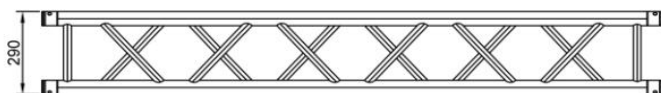
240

290

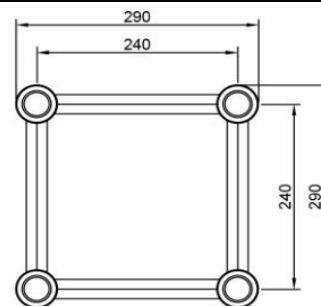
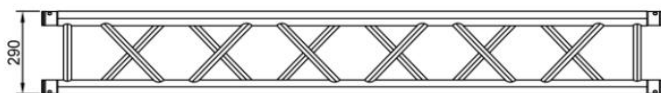
240





GPPSST2929	Span(m)	2m	4m	6m	8m	10m	12m	14m
Section Type Spigot Square	 (kg)	1400	435	265	166	123	81	58
Material: 6061-T6/6082-T6	 (mm)	5	22	35	68	90	128	176
Main tube: φ50x3mm	 (kg)	1248	940	738	595	500	433	380
vice tube: φ20x2mm	 (mm)	4	14	21	45	65	115	155
Braces: φ20x2mm								
Weight: ~7.8kg/m								
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg								

Top View

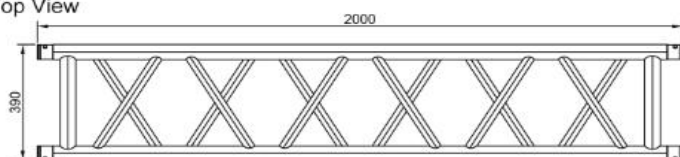


Side View

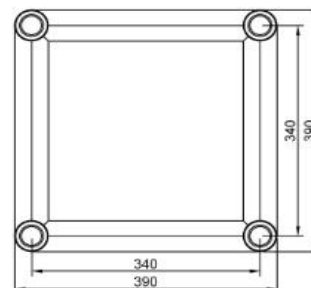
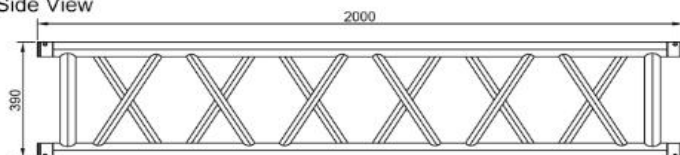


GPPSST2929B	Span(m)	2m	4m	6m	8m	10m	12m
Section Type Spigot Square	 (kg)	800	388	212	116	81	53
Material: 6061-T6/6082-T6	 (mm)	10	19	41	75	116	164
Main tube: $\phi 50 \times 2 \text{mm}$	 (kg)	1030	798	562	394	306	241
vice tube: $\phi 20 \times 2 \text{mm}$	 (mm)	8	16	35	60	96	138
Braces: $\phi 20 \times 2 \text{mm}$							
Weight: $\sim 6 \text{kg/m}$							
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg							

Top View

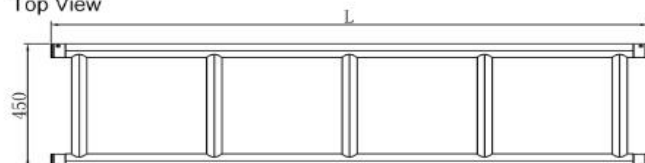


Side View

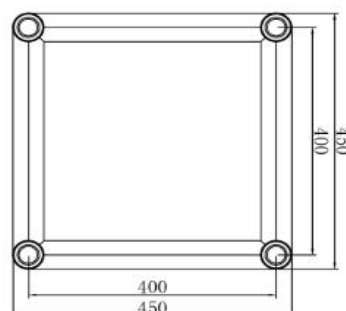
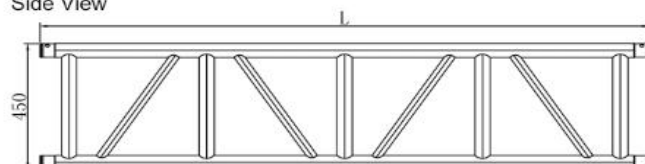


GPPSST3939	Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m
Section Type Spigot Square	 (kg)	1350	525	288	190	146	108	90	66	55
Material: 6061-T6/6082-T6	 (mm)	3	8	11	25	35	76	105	160	198
Main tube: $\phi 50 \times 3 \text{mm}$	 (kg)	1480	1168	958	740	600	568	548	488	447
vice tube: $\phi 25 \times 2 \text{mm}$	 (mm)	3	8	12	21	28	73	102	132	154
Braces: $\phi 25 \times 2 \text{mm}$										
Weight: $\sim 9 \text{kg/m}$										
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg										

Top View



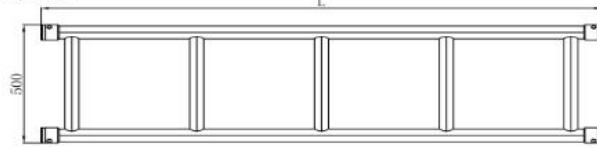
Side View



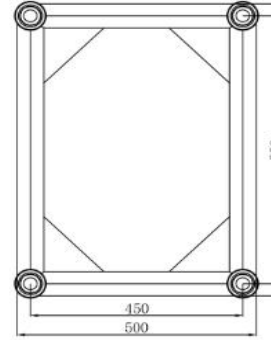
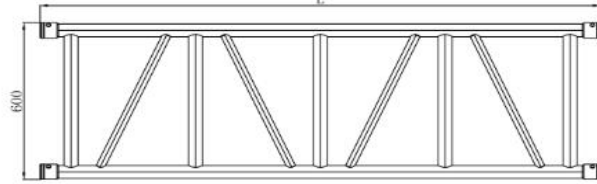




Top View

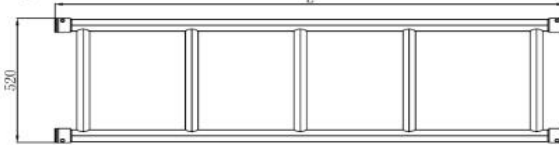


Side View

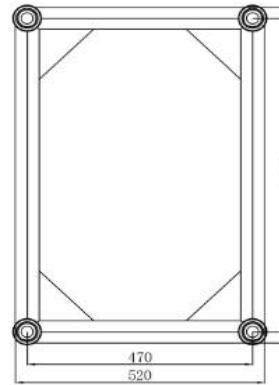
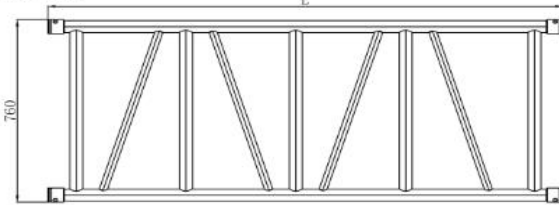


GPPSST5060	Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m
Section Type Spigot Square	 (kg)	1485	718	460	335	238	174	128	100	80	65	45
Material: 6061-T6/6082-T6	 (mm)	4	12	22	35	53	78	105	138	180	228	280
Main tube: $\phi 50 \times 3 \text{mm}$	 (kg)	2308	1818	1414	1090	1000	928	869	725	608	512	424
vice tube: $\phi 50 \times 2 \text{mm}$	 (mm)	3	8	14	22	38	58	84	101	123	150	180
Braces: $\phi 25 \times 2 \text{mm}$												
Weight: $\sim 12.5 \text{kg/m}$												
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg												

Top View

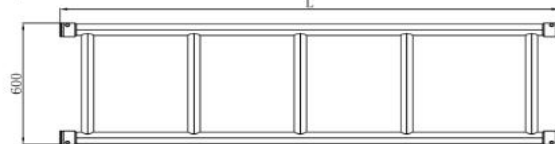


Side View

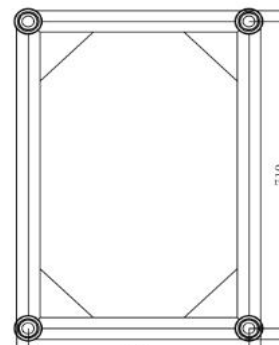
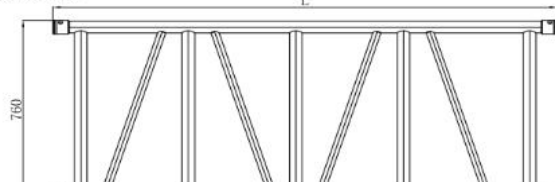


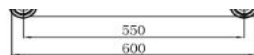
GPPSST5276	Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m
Section Type Spigot Square	 (kg)	1540	653	402	264	202	158	127	104	76	54	38
Material: 6061-T6/6082-T6	 (mm)	4	11	16	32	42	56	73	92	118	148	181
Main tube: $\phi 50 \times 3 \text{mm}$	 (kg)	2348	1912	1622	1370	1200	1045	910	808	740	683	638
vice tube: $\phi 50 \times 2 \text{mm}$	 (mm)	3	8	12	20	25	35	46	58	76	96	123
Braces: $\phi 25 \times 2 \text{mm}$												
Weight: $\sim 17 \text{kg/m}$												
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg												

Top View



Side View

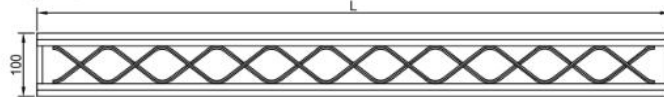




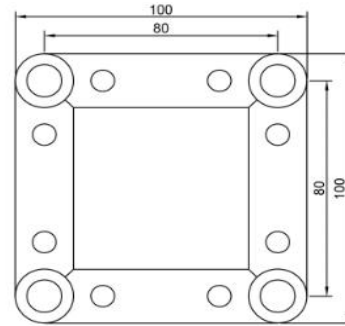
GPPSST6076	Span(m)	6m	7m	8m	9m	10m	12m	14m	16m	18m	20m	24m
Section Type Spigot Square Material: 6061-T6/6082-T6 Main tube: $\phi 50 \times 3 \text{mm}$ vice tube: $\phi 50 \times 2 \text{mm}$ Braces: $\phi 30 \times 2 \text{mm}$ Weight: $\sim 17 \text{kg/m}$	(kg)	1905	1780	1770	1420	1160	850	680	600	550	500	460
	(mm)	4	9	10	17	18.5	27	44	53	62	76	88
	(kg)	466	385	325	277	240	185	140	133	119	100	80
	(mm)	3	7	12	18	27	48	75	90	106	125	144
	1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg											

## SCREW TRUSS

Top View

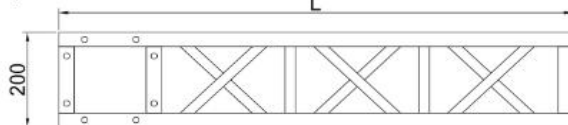


Side View

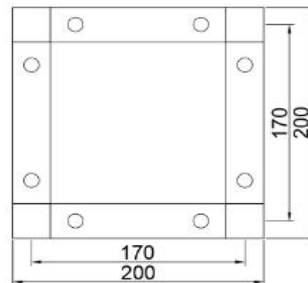
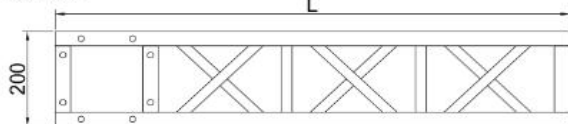


GPPSBT1010	Span(m)	2m	3m	4m	5m	6m
Section Type Square Material: 6061-T6/6082-T6 Main tube: $\phi 20 \times 2 \text{mm}$ Braces: Solid bar $\phi 5 \text{mm}$ Weight: $\sim 2 \text{kg/m}$	(kg)	160	120	80	50	30
	(mm)	4	10	24	35	64
	(kg)	100	60	40	20	15
	(mm)	6	17	30	63	80
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg						

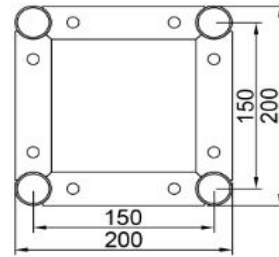
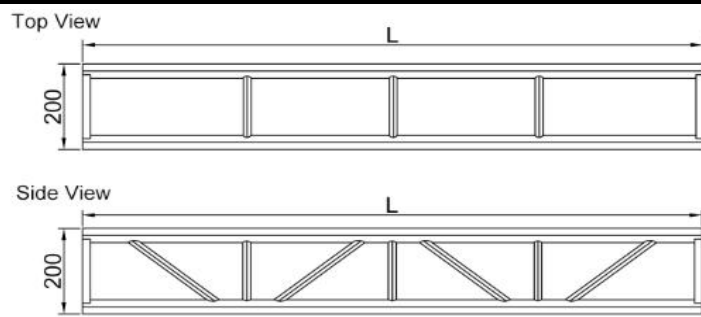
Top View







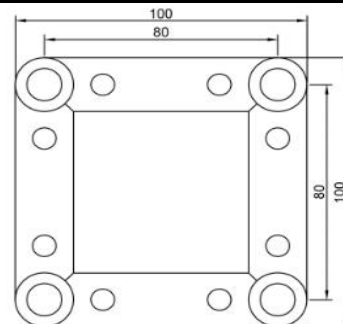
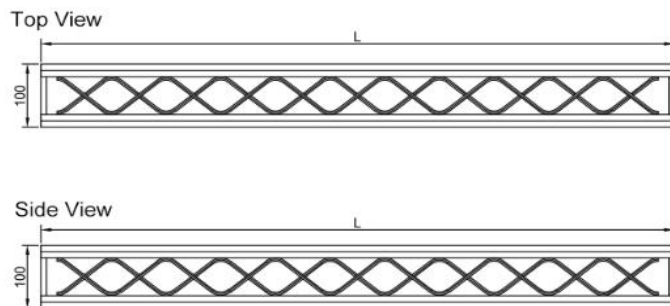
Side View







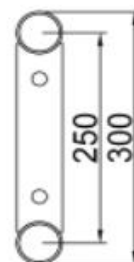
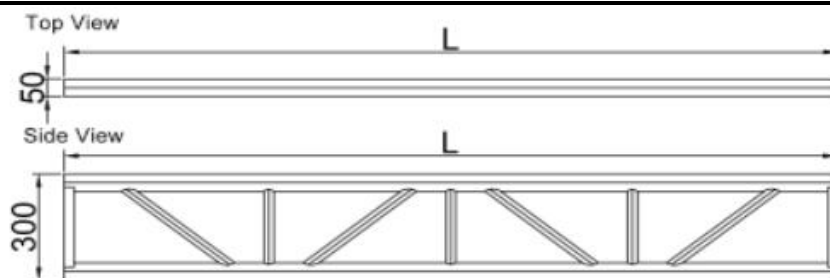
GPPSBT2020B	Span(m)	2m	4m	6m	8m
Section Type Bolt Square Material: 6061-T6/6082-T6 Main tube: $\phi 25 \times 25 \times 2 \text{mm}$ Vice tube: $\phi 12 \times 2 \text{mm}$ Braces: $\phi 12 \times 2 \text{mm}$ Weight: $\sim 4 \text{kg/m}$	(kg)	185	81	48	30
	(mm)	6	24	57	80
	(kg)	246	71	33	25
	(mm)	5	21	55	77
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg					



GPPSBT2020A	Span(m)	2m	4m	6m	8m
Section Type Bolt Square Material: 6061-T6/6082-T6 Main tube: $\phi 30 \times 2 \text{mm}$ Vice tube: $\phi 12 \times 2 \text{mm}$ Braces: $\phi 12 \times 2 \text{mm}$ Weight: $\sim 4.3 \text{kg/m}$	 (kg)	194	90	53	35
	 (mm)	5	26.4	63	94
	 (kg)	259	79	37	29
	 (mm)	4.5	23	60	88
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg					



GPPSBT1010	Span(m)	2m	3m	4m	5m	6m
Section Type Square Material: 6061-T6/6082-T6 Main tube: $\phi 20 \times 2 \text{mm}$ Braces: Solid bar $\phi 5 \text{mm}$ Weight: $\sim 2 \text{kg/m}$	 (kg)	160	120	80	50	30
	 (mm)	4	10	24	35	64
	 (kg)	100	60	40	20	15
	 (mm)	6	17	30	63	80
1 inch=25.4mm   1m=3.28ft   1 lbs=0.453kg						



GPPSBT30	Span(m)	2m	4m	6m	8m
----------	---------	----	----	----	----







The technical drawing illustrates a triangular truss structure. It includes three views: a Top View, a Side View, and a perspective view.

- Top View:** Shows a rectangular layout with a total length  $L$  and a height of 300. The structure consists of two parallel horizontal members connected by four diagonal members forming three 'X' shapes, and four vertical members.
- Side View:** Shows the structure from the side with a total length  $L$  and a height of 266.5. It highlights the profile of the diagonal and vertical members.
- Perspective View:** Shows the triangular truss in 3D. The base is a horizontal line of length 300. The two side members are inclined at an angle, with a vertical height of 250 and a slant length of 300. Small circles represent joints at the vertices and midpoints of the members.

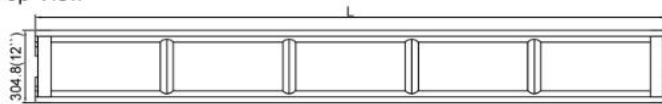
Top View

Side View

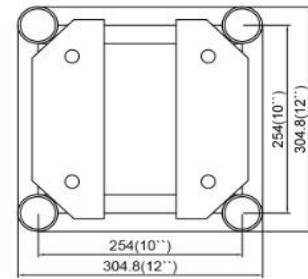
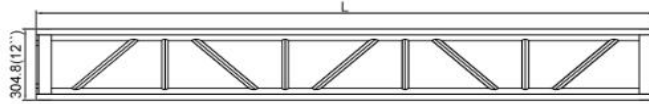
End View

GPPSBT3030		Span(m)	2m	4m	6m	8m	10m
Section Type Bolt Square Material: 6061-T6/6082-T6 Main tube: φ50x3mm Vice tube: φ30x2mm Braces: φ25x2mm Weight: ~7.5kg/m	 (kg)	804	316	138	72	41	
	 (mm)	13.5	28	67	98	137	
	 (kg)	1284	783	432	217	100	
	 (mm)	15	33	92	107	134	
1 inch=25.4mm   1m=3.28ft   1 lbs=0.453kg							

Top View

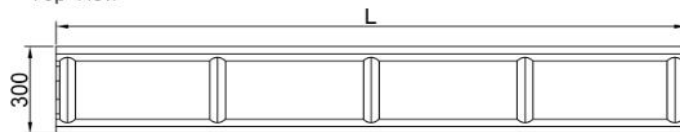


Side View

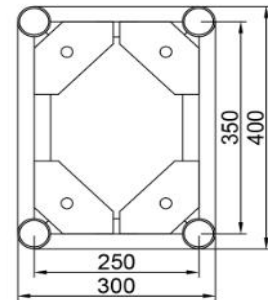
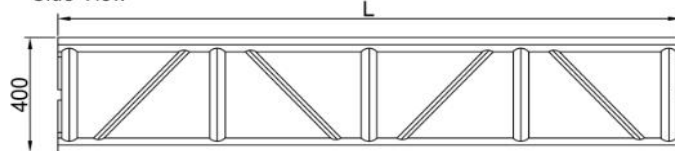


GPPSBT3048		Span(m)	4m	6m	8m	10m	12m
Section Type Bolt Square Material: 6061-T6/6082-T6 Main tube: $\phi 50 \times 3 \text{mm}$ Vice Tube: $\phi 30 \times 2 \text{mm} / 50 \times 2 \text{mm}$ Braces: $\phi 25 \times 2 \text{mm}$ Weight: $\sim 9 \text{kg/m}$		(kg)	461	265	138.5	79	41
		(mm)	8.5	26	37.5	66	86
		(kg)	706	487	349	265	217
		(mm)	5	18	27	52	70
	1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg						

Top View

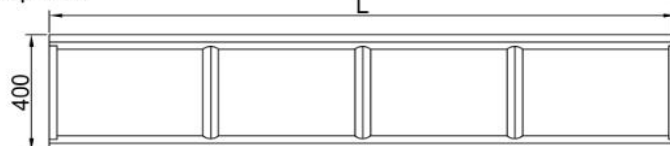


Side View

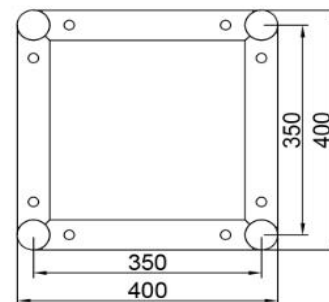
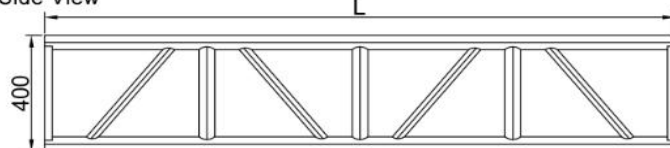


GPPSBT3040		Span(m)	2m	4m	6m	8m	10m	12m	14m	16m
Section Type Bolt Square Material: 6061-T6/6082-T6 Main tube: $\phi 50 \times 3 \text{mm}$ vice tube: $\phi 50 \times 2 \text{mm}$ Braces: $\phi 25 \times 2 \text{mm}$ Weight: $\sim 9 \text{kg/m}$		(kg)	1188	531	281.8	142.3	94.9	63.2	43.2	29.8
		(mm)	3.7	8.7	14.9	22.3	30.7	36.3	54.7	67
		(kg)	1303	950	821	675	577	458	360	281
		(mm)	2.3	7.6	11	21	28.5	40	54	72
	1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg									

Top View



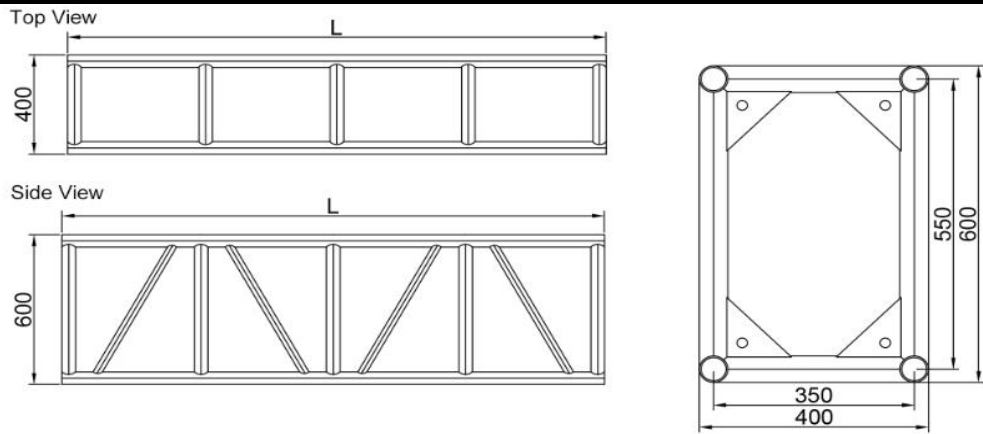
Side View



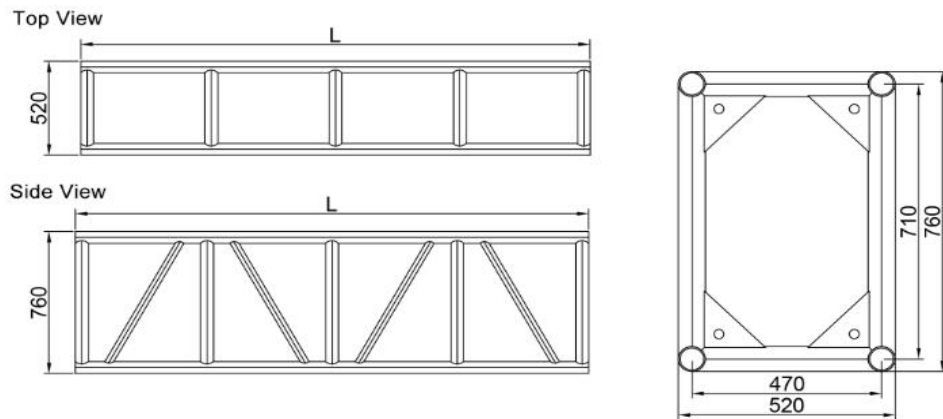
---

\_\_\_\_\_

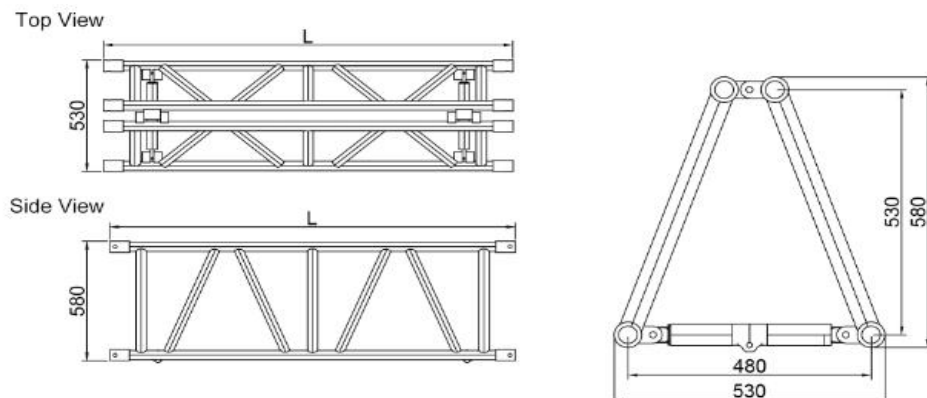
---



GPPPSBT4060		Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m
Section Type Bolt Square		(kg)	1410	617	396	262	181	127	98	76	60	48
Material: 6061-T6/6082-T6		(mm)	4	8	12	19	28	40	57	78.1	103	117
Main tube: $\phi 50 \times 3 \text{mm}$		(kg)	1526	1261	1083	903	752	632	570	520	480	406
vice tube: $\phi 50 \times 2 \text{mm}$		(mm)	3	7.5	11	16.5	24	32	45	61	80	100
Braces: $\phi 25 \times 2 \text{mm}$												
Weight: ~12kg/m												
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg												

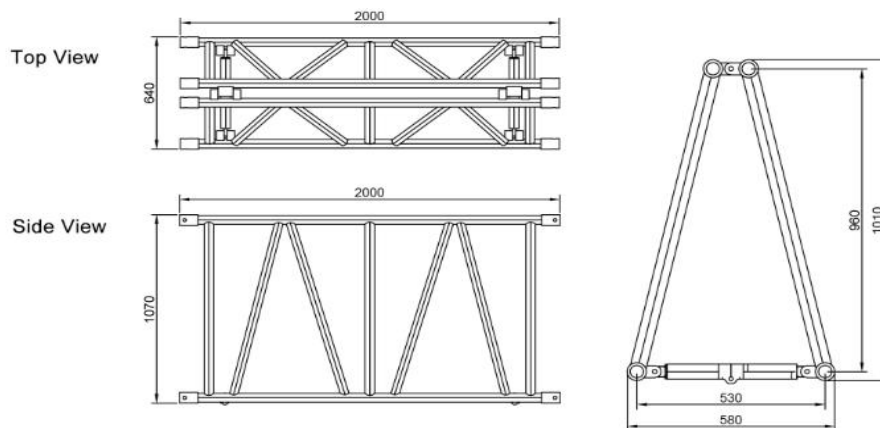


GPPPSBT5276		Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m
Section Type Bolt Square		(kg)	1693	806	470	300	200	154	115	85	70	58	48
Material: 6061-T6/6082-T6		(mm)	4	8	12	18	24	35	47	63	81	104	132
Main tube: $\phi 50 \times 3 \text{mm}$		(kg)	1785	1586	1288	1039	840	753	680	623	542	474	420
vice tube: $\phi 50 \times 2 \text{mm}$		(mm)	3	7.3	11.4	16	22	30	40	52	63	76	91
Braces: $\phi 25 \times 2 \text{mm}$													
Weight: ~21.5kg/m													
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg													





GPPFST5358		Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m
Section Type Spigot Triangular	 (kg)	1275	600	378	235	148	90	73	60	50	40	28	
Material: 6061-T6/6082-T6	 (mm)	9	17	22	48	70	88	105	120	132	223	285	
Main tube: φ50x3mm	 (kg)	1923	1546	1298	1075	888	738	668	616	567	502	458	
vice tube: φ50x2mm	 (mm)	7	15	23	35	46	55	69	81	92	156	200	
Braces: φ30x2mm													
Weight: ~13kg/m													
1 inch=25.4mm   1m=3.28ft   1 lbs=0.453kg													



GPPFST58101		Span(m)	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m	26m	28m	30m
Section Type Spigot Triangular	 (kg)	1376	666	390	265	213	163	131	107	88	77	66	55	49	42	35	
Material: 6061-T6/6082-T6	 (mm)	8	12	17	27	47	58	75	88	111	126	160	190	231	255	272	
Main tube: φ50x3mm	 (kg)	2044	1974	1725	1555	1475	1355	1270	1178	1085	975	914	818	785	730	646	
vice tube: φ50x2mm	 (mm)	8	11	14	21	36	46	58	76	85	94	120	142	176	200	234	
Braces: φ30x2mm																	
Weight: ~17kg/m																	

1 inch=25.4mm   1m=3.28ft   1 lbs=0.453kg