

Metalworx

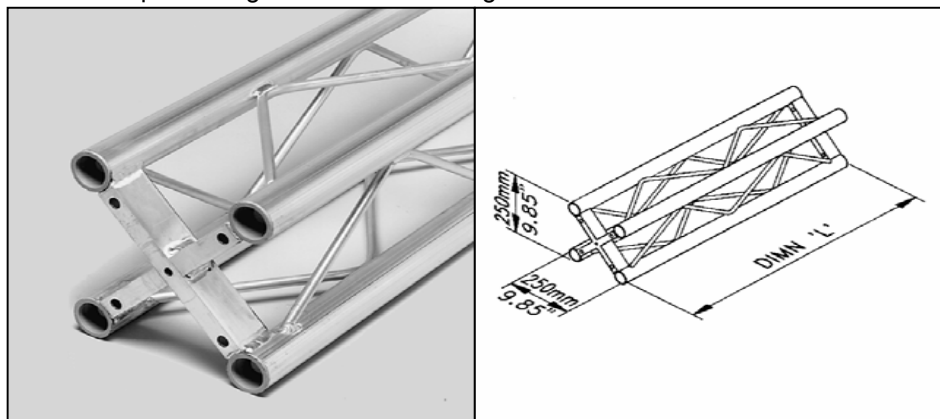
LOAD SPAN DATA - ST25 SERIES

SQUARE TRUSS - 250mm SIDE, 1.6mm WALL THICKNESS MAIN TUBE

Maximum Total Mass (kg) that can be safely applied for different spans and load patterns

"L" METRIC	IMPERIAL	UDL(kg)	Deflection (mm)	3pt(kg/pt)	Deflection (mm)	2pt(kg/pt)	Deflection (mm)	1pt(kg)	Deflection (mm)
2m	6.5 ft*	687 kg	2 mm	229 kg	2 mm	343 kg	2 mm	687 kg	2 mm
4m	13.0 ft*	687 kg	12 mm	229 kg	15 mm	343 kg	17 mm	474 kg	13 mm
6m	19.5 ft*	632 kg	38 mm	158 kg	36 mm	237 kg	39 mm	316 kg	30 mm
8m	26.0 ft*	474 kg	67 mm	119 kg	64 mm	178 kg	69 mm	237 kg	54 mm
10m	33.0 ft*	379 kg	105 mm	95 kg	100 mm	142 kg	108 mm	190 kg	84 mm
12m	40.0 ft*	316 kg	152 mm	79 kg	144 mm	119 kg	155 mm	158 kg	121 mm

*- Above imperial lengths are nominal - e.g. 2m = 6.56' ~ 7'



CONSTRUCTION ...

1/ MAIN TUBES: 2" O. Diameter x 16swg wall thickness round tube, with PENN castellated profile

ALLOY: 6082 T6

2/ LACING (ZIG-ZAG): 1/2" O. Diameter x 16swg wall thickness round tube

ALLOY: 6063A T6

3/ END PLATE: 2" x 1" Rect. Box section 10swg wall thickness.

ALLOY: 6082 T6

WELDER APPROVALS: BS EN 287-2

Sales office: Metalworx Ltd, Drury Lane, Ponswood Ind. Est., St. Leonards on Sea, E. Sussex TN38 9BA

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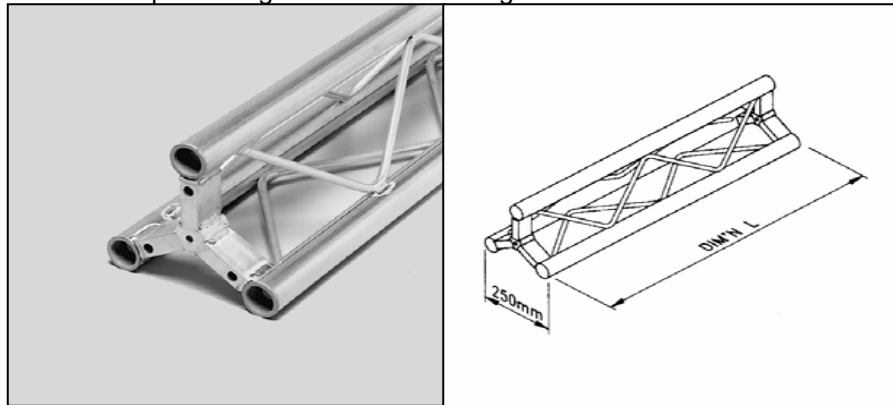
LOAD SPAN DATA - TT SERIES

TRI TRUSS - 250mm SIDE, 1.6mm WALL THICKNESS MAIN TUBE

Maximum Total Mass (kg) that can be safely applied for different spans and load patterns

"L" METRIC	IMPERIAL	UDL(kg)	Deflection (mm)	3pt(kg/pt)	Deflection (mm)	2pt(kg/pt)	Deflection (mm)	1pt(kg)	Deflection (mm)
2m	6.5 ft*	343 kg	1 mm	114 kg	1 mm	172 kg	2 mm	343 kg	2 mm
4m	13.0 ft*	343 kg	9 mm	105 kg	11 mm	157 kg	11 mm	209 kg	9 mm
6m	19.5 ft*	279 kg	25 mm	70 kg	24 mm	105 kg	26 mm	140 kg	20 mm
8m	26.0 ft*	209 kg	45 mm	52 kg	42 mm	79 kg	46 mm	105 kg	36 mm
10m	33.0 ft*	168 kg	70 mm	42 kg	66 mm	63 kg	71 mm	84 kg	56 mm

*- Above imperial lengths are nominal - e.g. 2m = 6.56' ~ 7'



CONSTRUCTION ...

1/ MAIN TUBES: 2" O. Diameter x 16swg wall thickness round tube, with PENN castellated profile

ALLOY: 6082 T6

2/ LACING (ZIG-ZAG): 1/2" O. Diameter x 16swg wall thickness round tube

ALLOY: 6063A T6

3/ END PLATE: 2" x 1" Rect. Box section 10swg wall thickness, PENN solid centre boss.

ALLOY: 6082 T6

WELDER APPROVALS: BS EN 287-2

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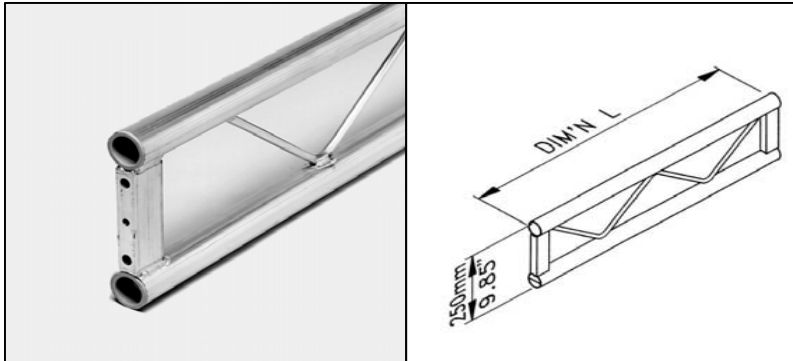
LOAD SPAN DATA - SST SERIES

LADDER TRUSS - 250mm SIDE, 1.6mm WALL THICKNESS MAIN TUBE

Maximum Total Mass (kg) that can be safely applied for different spans and load patterns

METRIC	IMPERIAL	UDL(kg)	Deflection (mm)	3pt(kg/pt)	Deflection (mm)	2pt(kg/pt)	Deflection (mm)	1pt(kg)	Deflection (mm)
1m	3.5 ft*	80 kg	0 mm	27 kg	0 mm	40 kg	0 mm	80 kg	0 mm
2m	6.5 ft*	80 kg	1 mm	27 kg	2 mm	40 kg	2 mm	80 kg	2 mm
3m	10.0 ft*	80 kg	5 mm	27 kg	6 mm	40 kg	6 mm	80 kg	7 mm
4m	13.0 ft*	80 kg	11 mm	27 kg	14 mm	40 kg	15 mm	60 kg	13 mm
5m	16.5 ft*	80 kg	21 mm	24 kg	24 mm	36 kg	26 mm	48 kg	20 mm
6m	19.5 ft*	80 kg	36 mm	20 kg	34 mm	30 kg	37 mm	40 kg	29 mm

*- Above imperial lengths are nominal - e.g. 2m = 6.56' ~ 7'



CONSTRUCTION ...

1/ MAIN TUBES: 2" O. Diameter x 16swg wall thickness round tube, with PENN castellated profile

ALLOY: 6082 T6

2/ LACING (ZIG-ZAG): 1/2" O. Diameter x 16swg wall thickness round tube

ALLOY: 6063A T6

3/ END PLATE: 2" x 1" Rect. Box section 10swg wall thickness.

ALLOY: 6082 T6

WELDER APPROVALS: BS EN 287-2

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