

FLAT TRUSS 300MM CENTRES

PART No. TR109

PARTS LIST

Chords	50 x 3mm CHS
End Sleeves	57.2 x 75 x 3.6mm CHS
Webs	19 x 3mm CHS
End Joining Braces	32 x 32 x 6mm CHS

Note:

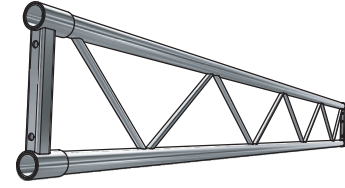
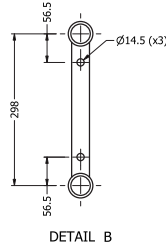
- All tubes from Aluminium Alloy 6061 T6
- Weld Material 5356

JOINING KIT

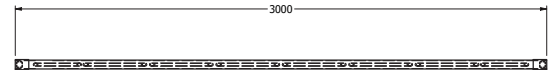
- 2 x Alloy Truss Pin 230 x 43 x 3mm CHS
- 2 x High Tensile Machine Bolt 4"x 1/2" UNC grade 8.8 Zinc Plated
- 4 x Washers High Tensile 26 x 13.8 x 3mm grade F436
- 2 x Zinc Plated 1/2" UNC Wingnuts

Note:

- Pin from Aluminium Alloy 6061 T6
- Thread should be kept lubricated
- Spring Washer or Nyloc Nut should be used if truss is subject to vibration



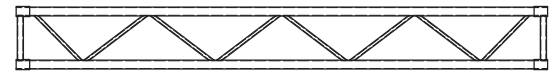
PERSPECTIVE VIEW



TOP VIEW



END VIEW



FRONT VIEW

ALLOWABLE LOADING - FIXED ENDS

SPAN m	Uniformly Distributed Load		Centre Point Load		Single Load Third Points Load per Point	Single Load Forth Points Load per Point	SPAN total weight
	UDL kg/m	DEFLECTION mm	CPL kgs	DEFLECTION mm	TPL kgs	QPL kgs	
2	770	1	770	1	577	385	9kg
3	158	1	238	1	178	119	13.5kg
4	47	1	95	1	71	47	18kg
5	17	1	43	1	32	21	22.5kg
6	6.5	1	19	1	14.5	9.5	27kg

LOAD TABLE GUIDELINES

- *Loading figures are only valid for static loads.
- *Loading figures are only valid for single spans with fixed supports at both ends.
- *All static systems, other than single spans, need an individual structural calculation. Please contact a structural engineer or call CLSA for further assistance.
- *Loading figures are calculated according to and in full compliance with Australian Standards.
- *The self-weight of the trusses is already taken into account
- *Loading figures are only valid for the cross sectional orientation of the truss as shown by the icon in the loading table.
- *The interaction between bending moment and shear force at the connection point is already taken into account.
- *Truss spans can be assembled from different truss lengths.
- *CLSA recommends a 15% deduction on allowable loadings for repetitive use truss.