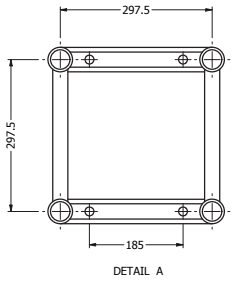
CLS Australia
Technical Data Sheet

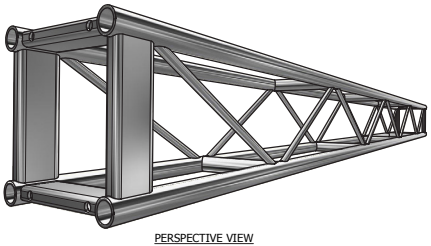
Heavy Duty Box Truss 300mm centres

Part No. TR192

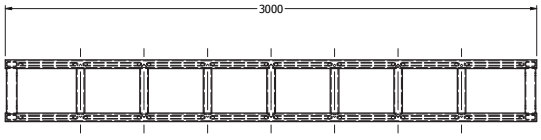
PARTS LIST	
Chords	48.4 x 4.47mm CHS
Cross Braces	48.4 x 4.47mm CHS
Webs	25 x 3mm CHS
End Joining Braces	60 x 32 x 6mm SHS
Note:	
1. All tubes from Aluminium Alloy 6061 T6	
2. Weld Material 5356	



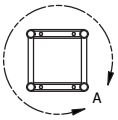
DETAIL A


PERSPECTIVE VIEW

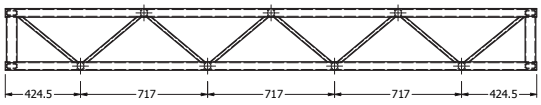
JOINING KIT
4 x Alloy Truss Pin 230 x 38 x 3mm CHS
4 x High Tensile Machine Bolt M16 x 160 grade 8.8 Zinc Plated
8 x Wahsers High Tensile 32.6 x 18 x 3.1mm grade F436
4 x Zinc Plated M16 Hex Nut
Note:
1. Pin from Aluminium Alloy 6061 T6
2. Thread should be kept lubricated
3. Spring Washer or Nyloc Nut should be used if truss is subject to vibration



TOP VIEW



END VIEW



FRONT VIEW

ALLOWABLE LOADING

MAXIMUM ALLOWABLE POINT LOADS

SPAN	UDL	DEFLECTION	CPL	DEFLECTION	TPL	QPL	SPAN
	Uniformly Distributed Load		Centre Point Load		Single Load Third Points Load per Point	Single Load Forth Points Load per Point	
m	kg/m	mm	kgs	mm	kgs	kgs	total weight
3 (no join)	854	3	2562	5	1281	854	33
3 (with join)	854	3	2562	5	1281	854	34.5
4	637	6	2159	9	1275	850	45.5
5	507	12	1716	13	1269	846	56.5
6	421	21	1419	19	1064	709	67.5
7	344	32	1205	26	904	602	80
8	261	42	1043	34	782	521	91
9	203	53	915	43	686	458	102
10	162	65	812	53	609	388	114.5
11	132	79	728	64	545	363	125.5
12	109	93	654	77	491	327	136.5

LOAD TABLE GUIDELINES

*Loading figures are only vaild for static loads.

*Loading figures are only valid for single spans with supports at both ends.

*All static systems, other than single spans, need an individual strutural 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 repetative use truss.