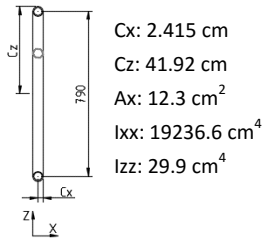
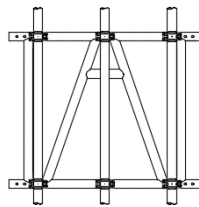


Article	Image	Description	Weight
TB0500		ATX aluminium beam 0.79x0.5m	4.07
TB1000		ATX aluminium beam 0.79x1m	6.78
TB2000		ATX aluminium beam 0.79x2m	12.82
TB3000		ATX aluminium beam 0.79x3m	18.83
TB4000		ATX aluminium beam 0.79x4m	24.90
TB5000		ATX aluminium beam 0.79x5m	30.97
TB6000		ATX aluminium beam 0.79x6m	37.04
BS0001		Beam Spigot ASTX 6HS	0.72

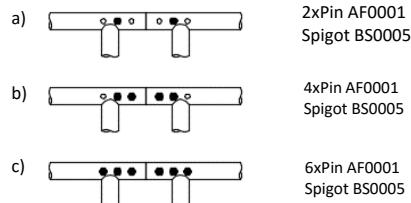
Cross section:



Puncheon locations:



Connections:



Permissible bending moment (kNm):

a) Joint, 1 bolt each side, all lacing intervals(not recommended) :-	20.26
b) Joint, 2 bolts each side, all lacing intervals :-	39.52
c) Joint, 3 bolts each side, all lacing intervals :-	54.50
Beam, compression chord lacing at 1.0m c/c ^(See Note 9) :-	41.92
Beam, compression chord lacing at 2.0m c/c ^(See Note 9) :-	32.67

* requires 6 bolts min at each joint, c)
 * requires 4 bolts min at each joint, b) or c)

** To obtain Characteristic working values multiply above values by 1.5

Permissible shear force (kN):

All restraint intervals :-	23.11
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Compression chord lacing at 1.0m c/c^(See note 8) :-

		Span (m)				
		4.0	6.0	8.0	10.0	12.0
Uniform Load	(kN/m)	11.55	7.69	5.21	3.32	2.30
	Deflection (mm)	2.86	9.64	20.65	32.13	46.05
Single point load at mid span	(kN)	23.70	23.70	20.85	16.62	13.78
	Deflection (mm)	2.35	7.92	16.52	25.71	36.84
Two point loads at third spans	(kN)	23.11	20.92	15.64	12.46	10.33
	Deflection (mm)	3.90	11.91	21.11	32.85	47.07
Three point load at quarter spans	(kN)	15.40	13.94	10.43	8.31	6.89
	Deflection (mm)	3.62	11.07	19.61	30.53	43.74

Maximum single point load limited to 23.7kN across all load conditions.

Notes:

- 1a. Safe load data given for guidance only and assumes simple supports each end.
- 1b. Safe load data tables based on global member capacities, local forces should be assessed specifically by project.
2. This TI sheet is to be read in conjunction with the Beam User Guide USG001.
3. Data provided is calculated in accordance with EN 1999 and factored to EN 12811.
4. Data provided assumes spigoted connections using DESSA steel spigot BS0005.
5. All spigoted connections secured using quick release pin AF0001 or G8.8 M12x60 Bolt with nut AF0007
6. All loads must be applied within 150mm from a node point.
7. All supports must have a minimum width of 35mm.
8. Lacing tubes must be connected using a minimum 3kN connection.
9. For 4 bolt connections joint moment is decisive. Higher values may only be used where joint positions can be planned.