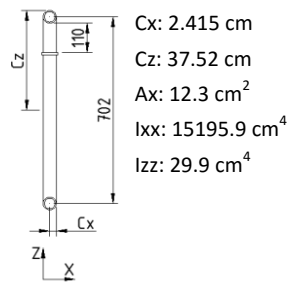
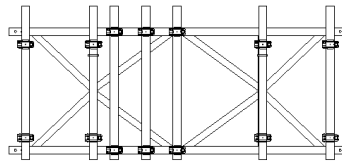


Article	Image	Description	Weight
BC1000		ASTERIX Aluminium beam 0.75x1m	6.94
BC2000		ASTERIX Aluminium beam 0.75x2m	12.72
BC3000		ASTERIX Aluminium beam 0.75x3m	18.49
BC4000		ASTERIX Aluminium beam 0.75x4m	24.27
BC5000		ASTERIX Aluminium beam 0.75x5m	30.04
BC6000		ASTERIX Aluminium beam 0.75x6m	35.82
BS0005		D78 Spigot 6HS	0.72

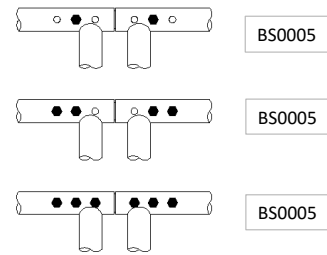
Cross section:



Puncheon locations:



Connections:



Permissible bending moment (kNm):

Joint, 1 bolt each side, all lacing intervals(not recommended) :-	17.20
Joint, 2 bolts each side, all lacing intervals :-	34.20
Joint, 3 bolts each side, all lacing intervals :-	51.30
Beam, compression chord lacing at 1.0m c/c ^(See Note 9) :-	41.31 * requires 6 bolts total at each joint
Beam, compression chord lacing at 1.2m c/c ^(See Note 9) :-	35.60 * requires 6 bolts total at each joint

Permissible shear force (kN):

All restraint intervals :-	23.73
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Compression chord lacing at 1.0-1.3m c/c^(See note 8) :-

		Span (m)				
		4.0	6.0	8.0	10.0	12.0
Uniform Load	(kN/m)	15.82	9.48	6.72	4.05	2.26
	Deflection (mm)	4.96	15.04	33.69	49.58	57.42
Single point load at mid span	(kN)	23.70	23.70	23.52	18.23	13.57
	Deflection (mm)	2.97	10.03	23.58	35.70	45.94
Two point loads at third spans	(kN)	23.70	23.70	17.64	13.67	10.18
	Deflection (mm)	5.06	17.08	30.13	45.61	58.70
Three point load at quarter spans	(kN)	15.82	15.80	11.76	9.11	6.79
	Deflection (mm)	4.71	15.87	28.00	42.39	54.55

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 at node points.
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.