

TECHNICAL DATA SHEET

1300mm X-Beam

Material Specification	Grade 6082 T6 Aluminium Alloy (only UK sourced aluminium used)																	
Dimension Specification	Tube: Oval/D									hickne	ess	(rec	: tube	4 rad	5)			
4.3	Ø 48.30			n sp POL S B S D S D S D S D S D S D S D S D S D S D	ecifi		not j on is	inva X-I		and the second se			50			3.	25	
														19.	05	-		
Main Boom & Vertio	als						iring umb		2			C	Dval	s / D	iago	onals	5	
Loading Specification	For si	imply	/ sup	porte	ed sir	ngle	X-Be	ams	to El	JRO	COD)E E	N- 19	99-1	/BS	8118	3.	
Allowable Bending Moment Allowable Shear Allowable loads for load dis	9 12 15 18 24 kN/m 71.10 72.25 73.00 72.50 68.25 kN 55.50 53.00 52.25 50.50 44.25										Area 1188mm² Ix 51300000m Iy 290000mm ⁴							
Type of Load				Clear	span	(m)									_			
		6		8	9	10		12	13	14	15					20	21	22
Uniformally distributed load Total UDL	kN/m kN		11.6					4.0							1.5 28.7	1.4	1.2	
Single point load (mid point)	kN														14.4			
Two point loads (third points)	Each kN																9.8	
Three point loads (quarter points)	Each kN		-				-							5 8.1		6.8		
2	 Above alla This table Maximum checked i Restraint 	e is pro capac f loads point r elders g and Scaffo	vided a city of a s are pla must su are qu mater old Sei	as a gu a point aced o upport ualified ial tes rvices	ide on load m ther th both to d to: E it certs are ac	ly and hid-wa han at h pp and N 287 s avail ccredi	assum y betwe restrain bottom '-1 AS/ able o ted to	e all lo ed loa boom NZS n requ EN 10	bads an des is ds. Col is at re 1665 2 uest. 090-1:2	e applie 15kN, t mpress straint l 2004 2009+/	ed at r out ove sion ch locatic BS El	erall b nord r on. N 960	ouckling estrain 06-2 2 Execu	004 I	steel s	m c/c. 17 200 structu) 7 ires ar	nd
	and alu	uminiu	im up f	to and	inclu	ding E	xecuti	on Cla	ass 2 (EXC 2	2) as c	define	ed in E		0-2 an	d EN	1090-3	









