

ASTERIX SERIES BEAMS

CATALOGUE





Foreword

DESSA offers efficient lightweight temporary roofing, encapsulation solutions, aluminium lattice girders and safety products. DESSA's unique and distinctive aluminium solutions are suitable for not only grandstands, stages and events but also public utility works, local authorities, government buildings, historic buildings, highways, bridges and industrial market sectors. Time proven on demanding and complex applications across varied climates throughout the UK, Canada, UAE, Australia and Europe, DESSA offer unrivalled span capabilities and alternative configurations. From a choice of roofing solutions and general purpose lattice girders providing unrivalled cost to strength ratio, to high capacity lattice girders complete with a dedicated bracing system, we provide the industry with an ever widening range of cost effective products along with extensive after sales support to the highest professional standards. At DESSA we develop innovative and practical solutions for the support, access and weather protection industries. All of our designs are technically proven and are registered with protected design rights meaning only DESSA can offer superior solutions through our products. Our senior management team at DESSA offer considerable experience in the fields of contracting, engineering, manufacture and customer service. Having introduced a number of class leading products into the UK market and we have worked closely with a number of key clients in developing bespoke solutions to their problems which we manufacture on an exclusive basis.

Asterix Series Introduction

The ASTERIX Series beams by DESSA are a range of aluminium lattice girders that offer users significant operational, time and cost benefits:

- Fully modular, proven over years of continual use.
- Lightweight aluminium system.
- All beams are universal and can be configured to suit a variety of scaffold requirements.
- Different beam depth options (0.75m and 1.33m).
- Wide range of beam lengths available (from 0.6m to 6m).
- Rapid platform creation using steel decks.
- Rapid creation of mobile gantries.
- Erection does not require any tools.
- Parts connected using spring pins, rather than bolts, saving time and reducing quantity of components.
- Minimal number of different parts.
- Variety of support options.



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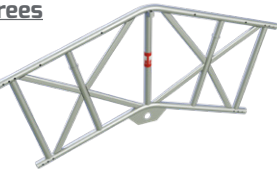
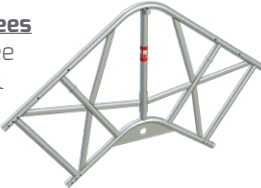



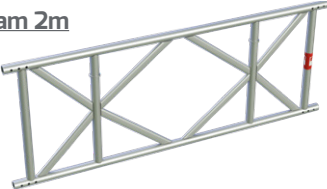
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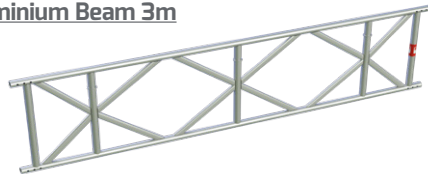
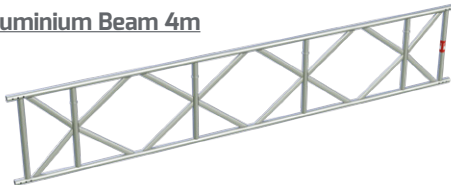
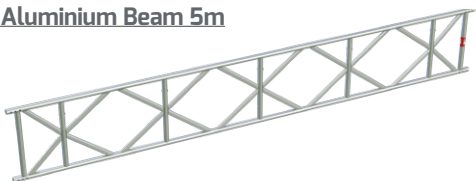
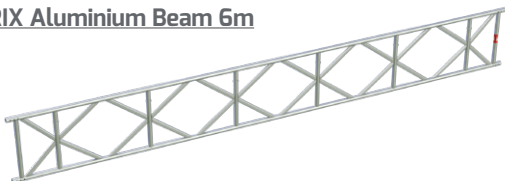




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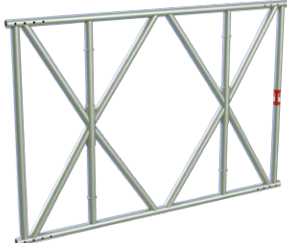
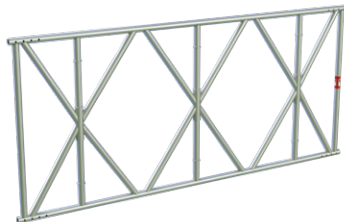
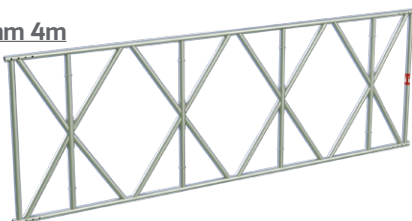



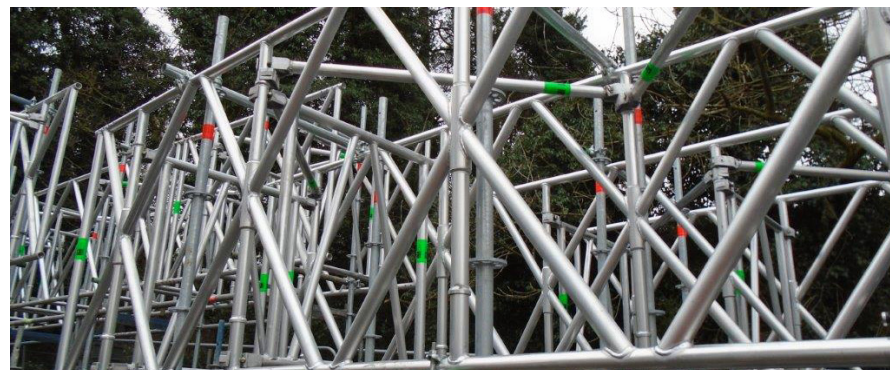
1.0 Beams

Main structural component for creation of beam spans, also suitable for everyday general purpose applications. The user friendly DESSA ASTERIX beam range offers unrivalled cost to weight ratio and are very much at home in a general duty support scaffold. DESSA ASTERIX HD beams are also available and offer a heavy duty spanning solution.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
ASTERIX Ridge Beam 18 degrees Can be used singularly to form an 18 degree duo pitch roof or can be used in multiples to form perfect dome structures. 	BC0018	15.67	2.14	1.05
ASTERIX Ridge Beam 36 degrees Can be used to form 36 degree duo pitched roofs to cover tall buildings. Can also be used at the eaves to form building structures and shelters. 	BC0036	16.06	2.05	1.28
ASTERIX Eaves Beam 18 degrees Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing. 	BC0118	7.71	0.99	0.75
ASTERIX Aluminium Beam 0.6m 	BC0600	4.84	0.6	0.75
ASTERIX Aluminium Beam 1m 	BC1000	8.00	1.00	0.75
ASTERIX Aluminium Beam 2m 	BA2000	14.25	2.00	0.75

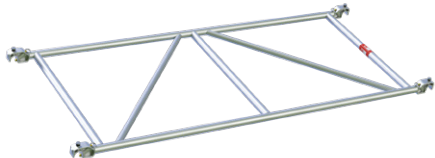


DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
ASTERIX Aluminium Beam 3m 	BC3000	20.49	3.00	0.75
ASTERIX Aluminium Beam 4m 	BC4000	26.74	4.00	0.75
ASTERIX Aluminium Beam 5m 	BC5000	32.99	5.00	0.75
ASTERIX Aluminium Beam 6m 	BC6000	39.23	6.00	0.75
Beam Spigot 6HS Used to connect all ASTERIX beams together. Simply secured in place using quick release pins AF0001 or M12 bolts AF0007. 	B50005	0.72	0.32	ø 38.1mm
ASTERIX HD Ridge Beam 18 degrees Can be used singularly to form an 18 degree duo pitch roof or can be used in multiples to form perfect dome structures. 	BD0018	24.60	2.14	1.59
ASTERIX HD Ridge Beam 36 degrees Can be used to form 36 degree duo pitched roofs to cover tall buildings. Can also be used at the eaves to form building structures and shelters. 	BD0036	27.50	2.74	2.00
ASTERIX HD Eaves Beam 18 degrees Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing. 	BD0118	13.25	1.23	1.33


DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
ASTERIX HD Aluminium Beam with support bottom chord 2m Beam support compatible reinforced bottom chord. 	BD0002	29.36	2.00	1.44
ASTERIX HD Aluminium Beam 0.55m 	BD0550	8.00	0.55	1.33
ASTERIX HD Aluminium Beam 1m 	BD1000	12.98	1.00	1.33
ASTERIX HD Aluminium Beam 2m 	BD2000	22.02	2.00	1.33
ASTERIX HD Aluminium Beam 3m 	BD3000	31.05	3.00	1.33
ASTERIX HD Aluminium Beam 4m 	BD4000	40.07	4.00	1.33
Beam Spigot 8HS Used to connect ASTERIX HD beams together. Simply secured in place using quick release pins AF0001 or M12 bolts AF0007. 	B50006	1.42	0.49	ø 38.1mm



2.0 Optional Bracing

For spacing of beam lines and ensuring structural stability. DESSA's innovative bracing system allows for a lighter and faster bracing offering compared to traditional tube and fittings. Can be used in structural beam applications.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
UNI Frame Fitted to ASTERIX HD beam posts to provide stiffness and structural integrity, 	UK1000	7.80	1.00	1.00
	UK1088	8.00	1.09	
	UK1500	8.94	1.50	
	UK1572	9.09	1.57	
	UK2000	11.08	2.00	
	UK2072	11.22	2.07	
	UK2500	12.30	2.50	
	UK2572	12.47	2.57	
	UK3000	13.61	3.00	
UNI Horizontal Brace  Single horizontal brace used for top and bottom chord lacing and connection of infill bays.	UH0300	1.41	0.30	0.10
	UH0390	1.47	0.39	
	UH1000	2.14	1.00	
	UH1088	2.21	1.09	
	UH1500	2.64	1.50	
	UH1572	2.71	1.57	
	UH2000	3.15	2.00	
	UH2072	3.22	2.07	
	UH2500	3.66	2.50	
UNI Plan Brace  Connects the posts of the adjacent beam lines providing plan stiffness. Used for bracing beam spans. Claws are facing opposing directions to allow easy installation and component recognition.	UP1414	2.42	1.00	1.00
	UP1478	2.60	1.09	1.00
	UP1803	2.86	1.50	1.00
	UP1863	2.92	1.57	1.00
	UP2236	3.25	2.00	1.00
	UP2301	3.31	2.07	1.00
	UP2500	3.67	1.50	2.00
	UP2544	3.71	1.57	2.00
	UP2693	3.77	2.50	1.00
	UP2760	3.77	2.57	1.00
	UP2828	3.91	2.00	2.00
	UP2880	3.90	2.07	2.00
	UP3162	4.25	3.00	1.00
	UP3202	4.29	2.50	2.00
	UP3231	4.25	3.07	1.00
	UP3258	4.28	2.57	2.00
	UP3606	4.70	3.00	2.00
	UP3666	4.69	3.07	2.00

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
UNI Diagonal Brace ASTERIX  Connects to the top and bottom chords of adjacent beam lines to ensure lateral stability.	UD1656	2.59	1.50	0.70
	UD1722	2.69	1.57	
	UD2120	3.30	2.00	
	UD2188	3.43	2.07	
	UD2597	3.84	2.50	
	UD2666	3.93	2.57	
	UD3081	4.30	3.00	
	UD3151	4.42	3.07	



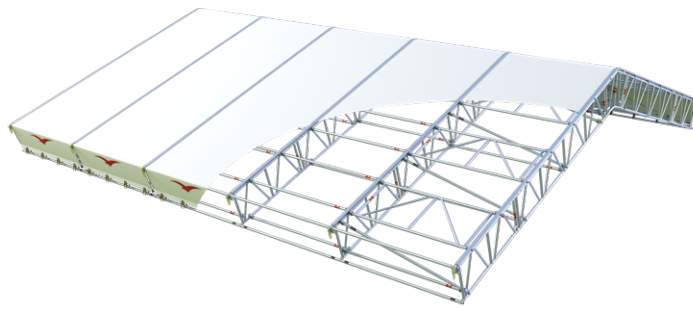
3.0 Fixings

Essential components for fastening scaffold elements and structural members.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
Quick Release Pin M12 x 60 for round tube A direct replacement for a nut and bolt, enables rapid assembly of beam spans. 	AF0001	0.07	66mm	ø 12mm
Hex Bolt BZP G8.8 Steel M12x65 For connection of BS0001 spigots as an alternative to quick release pin AF0001. 	AF0012	0.06	72.5mm	ø 12mm
Hex Lock Nut BZP G8.8 Steel M12 For use in conjunction with M12 bolts. 	AF0021	0.05	14.0mm	ø 12mm

Other products from DESSA include:

- TEMPORARY ROOFS



- RANGER™ STAIR



- SAFETY PRODUCTS



- MINI CATCH NET FAN



