

# UNI ROOF™

## CATALOGUE





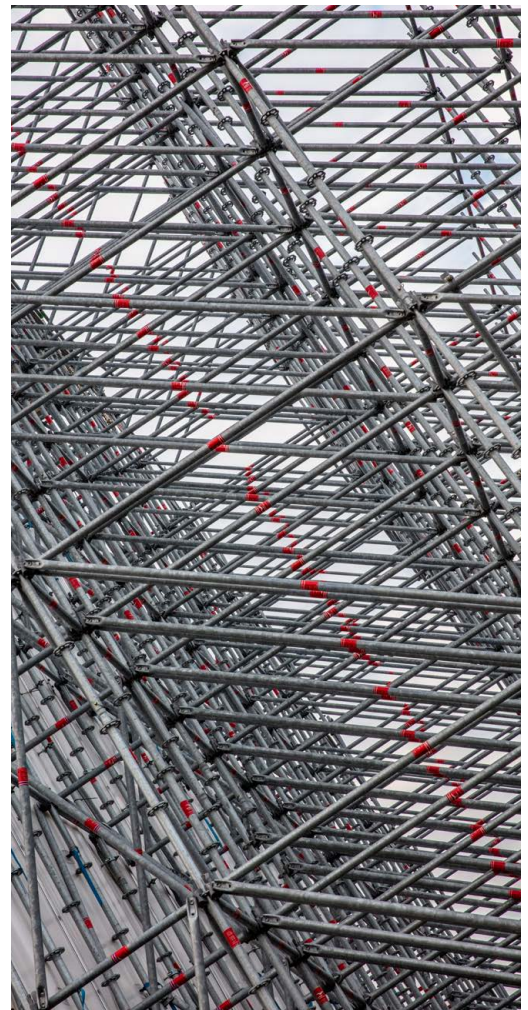
## Foreword

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.

## UNI Roof Introduction

The UNI Roof System by DESSA is a fully modular temporary roofing solution that offers users significant operational, time and cost benefits:

- Fully modular, proven over 25 years of continual use.
- Lightweight aluminium system, reducing the need for crane assisted erection.
- All beams are universal and can be configured to suit a variety of roofing and scaffold requirements.
- Different beam depth options (0.45m, 0.78m and 1.33m).
- Wide range of beam lengths available (from 0.5 to 6m).
- Can be formed in staggered bays.
- Achieve span clearances of up to 50m with an unrivalled cost to strength ratio.
- Multi-purpose weather proofing fits roofs and walls.
- Provides mono pitch roofing solutions along with 18 and 36 degree duo pitch.
- Rapid platform creation using steel decks.
- Rapid creation of mobile shelters.
- 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.
- Modular tie chord option.
- Variety of support options.

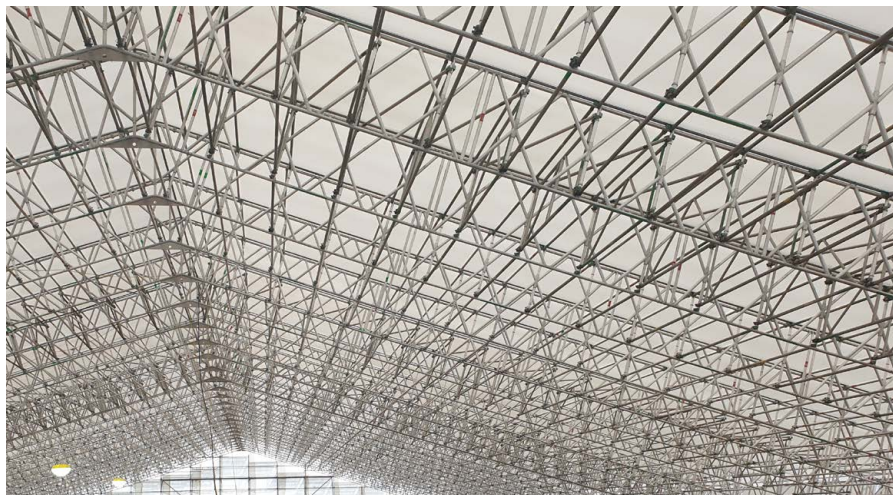


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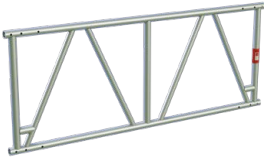
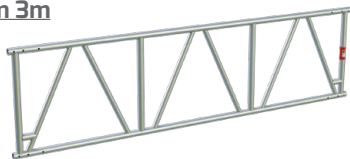
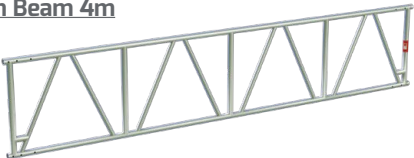
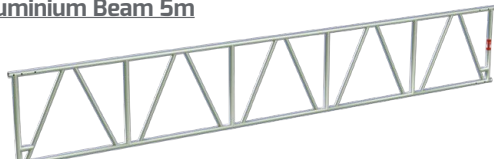
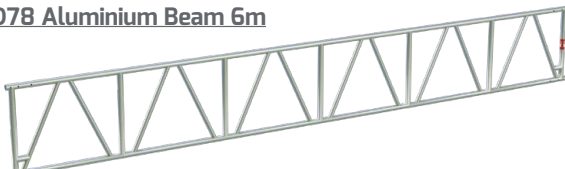




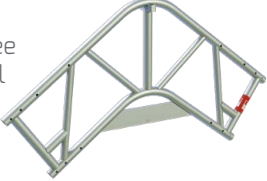
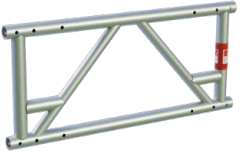
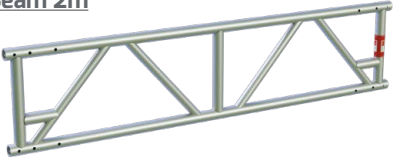
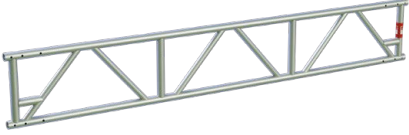
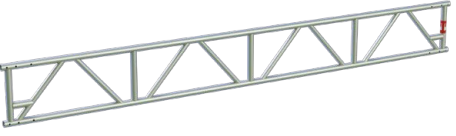
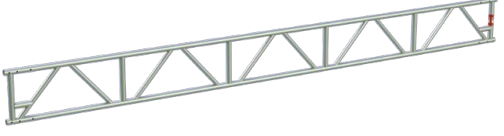
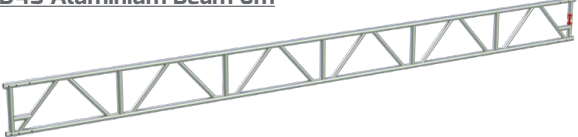







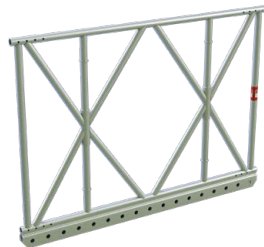

## 1.0 Beams


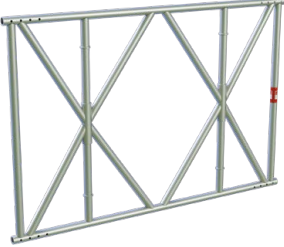
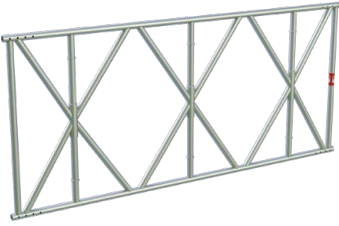
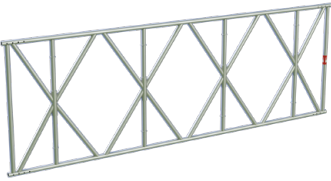

Main structural component for creation of roof spans, also suitable for everyday general purpose applications. The user friendly DESSA D78 beam range offers unrivalled cost to weight ratio and is equally at home in a heavy duty support scaffold or an elegant roofing application. DESSA D45 beams are also available and offer a strong option as a usable site beam.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>D78 Eaves Beam with support bottom chord, 1m</b></p> <p>Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing and structural capability.</p> 	BA0218	9.63	1.01	0.96
<p><b>D78 Eaves Beam with support bottom chord, 2m</b></p> <p>Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing and structural capability.</p> 	BA0318	18.59	2.01	0.96
<p><b>D78 Eaves Beam 18 degrees</b></p> <p>Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing.</p> 	BA0118	9.20	0.96	0.78
<p><b>D78 Ridge Beam 18 degrees</b></p> <p>Can be used singularly to form an 18 degree duo pitch roof or can be used in multiples to form perfect dome structures.</p> 	BA0018	7.45	1.28	0.93
<p><b>D78 Ridge Beam 36 degrees</b></p> <p>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.</p> 	BA0036	12.00	1.69	1.17

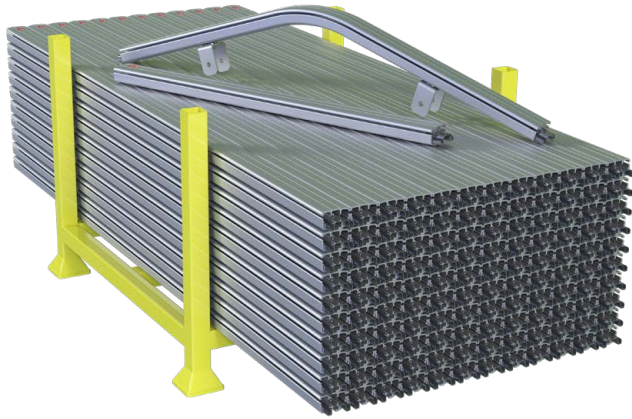
DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<b>D78 Aluminium Beam with support bottom chord, 1m</b> Beam support compatible reinforced bottom chord. 	BA0001	9.75	1.00	0.89
<b>D78 Aluminium Beam 1m</b> 	BA1000	6.34	1.00	0.78
<b>D78 Aluminium Beam 2m</b> 	BA2000	11.63	2.00	0.78
<b>D78 Aluminium Beam 3m</b> 	BA3000	16.92	3.00	0.78
<b>D78 Aluminium Beam 4m</b> 	BA4000	22.21	4.00	0.78
<b>D78 Aluminium Beam 5m</b> 	BA5000	27.50	5.00	0.78
<b>D78 Aluminium Beam 6m</b> 	BA6000	32.79	6.00	0.78
<b>D45 Eaves Beam 18 degrees</b> Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing. 	BB0118	3.48	0.63	0.45

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>D45 Ridge Beam 18 Degrees</b> Can be used singularly to form an 18 degree duo pitch roof or can be used in multiples to form perfect dome structures.</p> 	BB0018	6.40	1.28	0.62
<p><b>D45 Ridge Beam 36 Degrees</b> 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.</p> 	BB0036	9.90	1.69	0.91
<p><b>D45 Aluminium Beam 1m</b></p> 	BB1000	5.50	1.00	0.45
<p><b>D45 Aluminium Beam 2m</b></p> 	BB2000	9.52	2.00	0.45
<p><b>D45 Aluminium Beam 3m</b></p> 	BB3000	14.08	3.00	0.45
<p><b>D45 Aluminium Beam 4m</b></p> 	BB4000	18.30	4.00	0.45
<p><b>D45 Aluminium Beam 5m</b></p> 	BB5000	23.21	5.00	0.45
<p><b>D45 Aluminium Beam 6m</b></p> 	BB6000	28.60	6.00	0.45

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>D45 Aluminium Beam 8m</b></p> 	BB8000	36.24	8.00	0.45
<p><b>Beam Spigot 6HS</b> Used to connect all D78 &amp; D45 beams together. Simply secured in place using quick release pins AF0001 or M12 bolts AF0007.</p> 	B50001	1.49	0.50	ø 38.1mm
<p><b>ASTERIX HD Aluminium eaves beam 18 degrees</b> Beam designed to be positioned at the end of a roofing span, to provide a more aesthetically pleasing finish and enhanced weather proofing.</p> 	BD0118	19.40	1.23	1.33
<p><b>ASTERIX HD Aluminium ridge beam 18 degrees</b> Can be used singularly to form an 18 degree duo pitch roof or can be used in multiples to form perfect dome structures.</p> 	BD0018	25.00	2.14	1.59
<p><b>ASTERIX HD Aluminium ridge beam 36 degrees</b> 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.</p> 	BD0036	26.20	2.74	2.00
<p><b>ASTERIX HD Aluminium beam with support bottom chord 2m</b> Beam support compatible reinforced bottom chord.</p> 	BD0002	29.36	2.00	1.44
<p><b>ASTERIX HD Aluminium beam 0.55m</b></p> 	BD0550	6.30	0.55	1.33






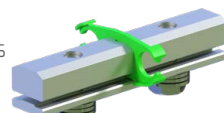
DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<b>ASTERIX HD</b> <b>Aluminium beam 1m</b> 	BD1000	13.30	1.00	1.33
<b>ASTERIX HD</b> <b>Aluminium beam 2m</b> 	BD2000	22.60	2.00	1.33
<b>ASTERIX HD</b> <b>Aluminium beam 3m</b> 	BD3000	31.90	3.00	1.33
<b>ASTERIX HD</b> <b>Aluminium beam 4m</b> 	BD4000	41.10	4.00	1.33
<b>Beam Spigot 8HS</b> 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


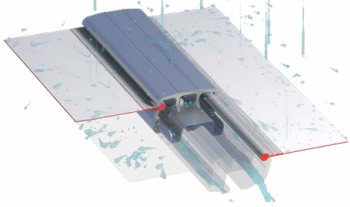










## 2.0 Sheet tracking

Keder roof tracking. Lightweight, modular aluminium. Fitted to the roof beams or vertical standards, enabling DESSA roof sheet to be installed and secured in position no matter what the weather.

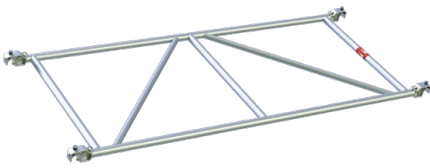




DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>UNI Eaves Track for BA0118</b> Track section the eaves beam BA0118, connected using AF0002 spring pins. Profile allows for simple installation of roof sheets.</p> 	UT0218	4.53	1.02	0.84
<p><b>UNI Eaves Track for BB0118</b> Track section the eaves beam BB0118, connected using AF0002 spring pins. Profile allows for simple installation of roof sheets.</p> 	UT0318	2.14	0.68	0.50
<p><b>UNI Ridge Track for BA0018</b> Track section for ridge beam BA0018, connected using AF0002 spring pins. Profile allows for simple installation of roof sheets.</p> 	UT0018	2.41	1.31	0.22
<p><b>UNI Ridge Track for BA0036</b> Track section for the ridge beam BA0036, connected using AF0002 spring pins. Profile allows for simple installation of roof sheets.</p> 	UT0036	3.62	1.75	0.52
<p><b>UNI Track</b> Special aluminium Keder profile supplied in variable lengths and connected using UA0021 track spigot. Provides seamless sheeting throughout the roof length.</p> 	UT1000 UT2000 UT3000 UT4000 UT5000 UT6000	1.80 3.50 5.30 7.10 8.90 10.60	1.00 2.00 3.00 4.00 5.00 6.00	0.03
<p><b>UNI Alloy Spigot including Gasket</b> Ensures unrivalled joint stability between track lengths and provides an effective seal between adjacent track lengths.</p> 	UA0021	0.26	0.14	0.04

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>UNI Track Gasket</b> Replacement gasket for UA0021.</p> 	UA0022	0.03	0.01	0.03
 <p><b>DEEP FLOW™</b> is the new and improved sheet tracking from DESSA the result of 5 years research and development. DeepFlow™ tracking enables larger bracing centres of up to 3m to be achieved. Water entering the track is managed across joints by an integrated spigot with dedicated water channel. DeepFlow™ eliminates loose components, enables faster installation and dismantle and provides 25x increase of internal rainwater capacity.</p>				
<p><b>DEEP FLOW™ Track Eaves Track for BA0118</b> Connected using AF0002 spring pins. Profile allows for simple installation of roof sheets. Higher profile section and spigot placement provide advanced weatherproofing.</p> 	US0218	4.91	1.03	0.85
<p><b>DEEP FLOW™ Ridge Track for BA0018</b> Special aluminium Keder profile. Provides seamless sheeting throughout the roof length. Higher profile section and spigot placement provide advanced weatherproofing.</p> 	US0018	3.88	1.33	0.24
<p><b>DEEP FLOW™ Ridge Track for BA0036</b> Special aluminium Keder profile. Provides seamless sheeting throughout the roof length. Higher profile section and spigot placement provide advanced weatherproofing.</p> 	US0036	5.97	1.78	0.59
<p><b>DEEP FLOW™ Ridge Track for BD0018</b> Special aluminium Keder profile. Provides seamless sheeting throughout the roof length. Higher profile section and spigot placement provide advanced weatherproofing.</p> 	US0118	6.53	2.22	0.38
<p><b>DEEP FLOW™ Track</b> Special aluminium Keder profile supplied in various lengths. Provides seamless sheeting throughout the roof length. Higher profile section and spigot placement provide advanced weatherproofing.</p> 	US1000 US2000 US3000 US4000 US5000 US6000	2.65 5.23 7.82 10.44 13.00 15.60	1.00 2.00 3.00 4.00 5.00 6.00	0.04
<p><b>DEEP FLOW™ Track End Piece</b> Special end piece colour coded for easy recognition on site. Required at eaves when used in conjunction with track compressors and at staggered bays.</p> 	US0001	2.58	1.00	0.04





### 3.0 Bracing

For spacing of roof beams and ensuring structural stability. DESSA's innovative bracing system allows boltless, frictionless connection of keder tracking for roof sheet installation. Can be used in both roofing and structural beam applications.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>UNI Frame</b> Fitted to the roof beam chords and to ASTERIX HD beam posts to provide stiffness and structural integrity. Each corner is fitted with a special tracking button that is used to secure sheet tracking in place, when required.</p> 	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	
UK3072	13.76	3.07		
 <p>New improved bracing claws from DESSA. The previous all steel tracking connectors on each brace have been replaced with a 2 part composite/steel assembly. The new 2 part connectors eliminate noise from wind vibration, percussive erosion caused by wind and galvanic corrosion caused by aluminium, steel, water contact. All new braces are colour coded for easy identification in the yard and on site. The special composite used is frictionless enabling rapid and easy installation of the tracking and avoids wear to the track from movement of the roof beams below.</p>				
<p><b>UNI Horizontal Brace</b></p>  <p>Single horizontal brace used for top and bottom chord lacing and connection of infill bays. Special button fitted to each end to enable keder sheet tracking to be installed where required</p>	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	
	UH2572	3.73	2.57	
UH3000	4.17	3.00		
UH3072	4.24	3.07		
<p><b>UNI Diagonal Brace D78</b></p>  <p>Connects to the top and bottom chords of adjacent beam lines to ensure lateral stability.</p>	UD1669	2.65	1.50	0.73
	UD1734	2.75	1.57	
	UD2130	3.34	2.00	
	UD2198	3.44	2.07	
	UD2605	3.85	2.50	
	UD2674	3.94	2.57	
	UD3088	4.36	3.00	
	UD3158	4.44	3.07	
<p><b>UNI Diagonal Brace D45</b></p>  <p>Connects to the top and bottom chords of adjacent beam lines to ensure lateral stability.</p>	UD1552	2.46	1.50	0.40
	UD1622	2.57	1.57	
	UD2040	3.24	2.00	
	UD2110	3.35	2.07	
	UD2532	3.74	2.50	
	UD2603	3.85	2.57	
	UD3027	4.27	3.00	
	UD3098	4.37	3.07	

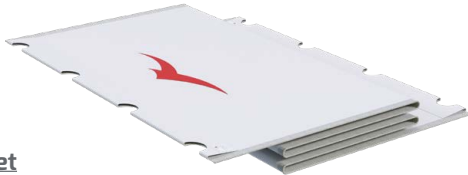





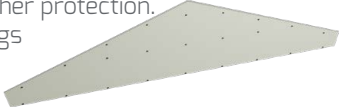



DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>UNI Plan Brace</b></p>  <p>Connects the posts of the adjacent beam lines providing plan stiffness. Used for bracing ASTERIX HD beam spans and roofs. Claws are facing opposing directions to allow easy installation and component recognition.</p>	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	
<p><b>UNI Roller Brace</b></p>  <p>Non-structural element used at changes in sheeting direction ensures even tension is applied to the sheets when tensioned. Connects into track compressor, intermediate roller brace coupler or directly to eaves and ridge beams.</p>	UR0300	1.37	0.30	0.13
	UR0390	2.08	0.39	
	UR1000	4.60	1.00	
	UR1088	4.65	1.09	
	UR1500	6.10	1.50	
	UR1572	6.10	1.57	
	UR2000	8.80	2.00	
	UR2072	8.80	2.07	
	UR2500	11.40	2.50	
	UR2572	11.40	2.57	
	UR3000	13.60	3.00	
	UR3072	13.60	3.07	

## 4.0 Sheeting



Standard sheeting, while 610gsm flame retardant, allows high levels of light under the completed structure, all sheets are reusable and are supplied labelled and bagged. Special length sheets available on request.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CB0110	9.80	10.0	1.50
	CB0115	14.60	15.0	
	CB0120	19.50	20.0	
	CB0125	24.40	25.0	
	CB0130	29.30	30.0	
	CB0135	34.10	35.0	
	CB0140	39.00	40.0	
	CB0145	43.90	45.0	
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CA0410	10.10	10.00	1.57
	CA0415	15.05	15.00	
	CA0420	20.15	20.00	
	CA0425	25.20	25.00	
	CA0430	30.20	30.00	
	CA0435	35.20	35.00	
	CA0440	41.10	40.00	
	CA0445	45.50	45.00	
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CB0210	12.20	10.0	2.00
	CB0215	18.30	15.0	
	CB0220	24.40	20.0	
	CB0225	30.50	25.0	
	CB0230	36.60	30.0	
	CB0235	42.70	35.0	
	CB0240	48.80	40.0	
	CB0245	54.90	45.0	
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CA0110	12.60	10.00	2.07
	CA0115	18.90	15.00	
	CA0120	25.30	20.00	
	CA0125	31.60	25.00	
	CA0130	37.90	30.00	
	CA0135	44.20	35.00	
	CA0140	50.50	40.00	
	CA0145	56.80	45.00	
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CB0310	15.30	10.00	2.50
	CB0315	22.90	15.00	
	CB0320	30.50	20.00	
	CB0325	38.10	25.00	
	CB0330	45.80	30.00	
	CB0335	53.40	35.00	
	CB0340	61.00	40.00	
	CB0345	68.60	45.00	






DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CA0210 CA0215 CA0220 CA0225 CA0230 CA0235 CA0240 CA0245	15.70 23.50 31.40 39.20 47.00 54.90 62.70 70.50	10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00	2.57
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CB0410 CB0415 CB0420 CB0425 CB0430 CB0435 CB0440 CB0445	18.30 27.45 36.60 45.75 54.90 64.05 73.20 82.35	10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00	3.00
 <p><b>Plas™ Sheet</b> Flame retardant heavy duty 610gsm sheets with 8mm keder to suit installation into UNI tracks ensuring complete weather protection.</p>	CA0310 CA0315 CA0320 CA0325 CA0330 CA0335 CA0340 CA0345	18.70 28.10 37.50 46.80 56.20 65.50 74.90 84.30	10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00	3.07
<p><b>Gable Sheet 610gsm</b> Optional gable sheet used to close each gable end and for improved weather protection. Can be ordered with lugs and eyes or perimeter Keder track.</p> 	CA0001	0.61	1.00	1.00
<p><b>Additional Sheet Pocket</b> One or several additional pockets can be added to provide flexibility and utilisation of roof sheets, additional sheet pockets enable sheets to be used on several different spans and ensure tensioning positions are always correct.</p> 	CA0002	0.44	DOA	0.21
 <p><b>UNI Sheet Tensioning Bar</b> Special length tubes to be used in the ends of each roof sheet to enable installation and tensioning, additionally to form a continuous tube at the eaves. Colour coded appropriate to relevant bay size.</p>	UB0300 UB0390 UB1000 UB1088 UB1500 UB1572 UB2000 UB2072 UB2500 UB2572 UB3000 UB3072	0.79 1.11 3.38 3.69 5.25 5.68 7.12 7.39 8.96 9.26 10.86 11.13	0.30 0.39 1.00 1.09 1.50 1.57 2.00 2.07 2.50 2.57 3.00 3.07	∅ 48.3mm
<p><b>Ratchet Straps 460kg SWL</b> Enables sheets to be tensioned and to be connected to the scaffold structure.</p> 	AR0001	0.48	2.00	35mm





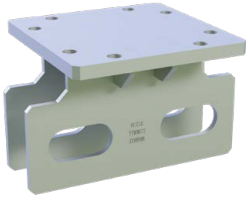


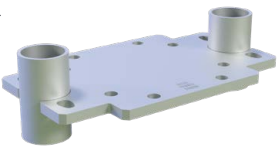



## 5.0 Rolling Equipment

DESSA rolling equipment is used for construction of rolling roofs or scaffold structures. Rolling structures can eliminate the need to work at height, ensure safety and speed up installation and dismantling procedures. Additionally, rolling structures are ideal when access beneath the roof is required for material installation or removal.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>TRAX™ Tube Holder</b> Steel casting enables standard scaffold tube to be joined to form an effective track for rolling of scaffold structures, using castor AA0002.</p> 	AT0001	1.30	0.18	0.16
<p><b>TRAX™ UB</b> Steel beams with integrated tubing element, positioned on ledgers/transoms and secured using AC0001 boltless girder clamp. Allows scaffold structure to be rolled using castor AA0002 and maintains anti uplift at all times.</p> 	BR2000 BR3000	40.00 60.00	2.00 3.00	0.20
<p><b>TRAX™ UB End Closer</b> Effective stop end for TRAX™ UB, safety device to ensure rolling structures remain captive on the TRAX™ UB span.</p> 	BR0011	2.60	0.09	0.25
<p><b>TRAX™ UB Joining Plate</b> To join adjacent lengths of TRAX™ UB, secured using M16x40 bolts AF0003.</p> 	BR0012	0.50	0.20	5mm
<p><b>sysTRAX™ End Closer</b> Provides a fixed stopping location to mobile temporary roofs. Fully integrated with modular sysTRAX™ lengths. Simple installation using AF0004 locking pin and AF0039 linch pin.</p> 	BQ0001	4.20	0.11	0.25
<p><b>Boltless Girder Clamp</b> Connects with existing Ø48.3mm tubular ledgers/transoms to secure TRAX™ UB in place. Clamp to be used in pairs.</p> 	AC0001	1.10	83mm	97mm

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>sysTRAX™ UB</b> Modular lengths of sysTRAX™ suitable for an exact fit on multiple systemised scaffold bay sizes. Fully integrated with Plettac Metrix, Contur and Futuro. Simple installation to connection plate UA0015 using AF0004 locking pins and AF0039 linch pins.</p> 	BQ0390 BQ0400 BQ0500 BQ0700 BQ0732 BQ1000 BQ1065 BQ1072 BQ1088 BQ1500 BQ1572 BQ2000 BQ2072 BQ2500 BQ2572 BQ3000 BQ3072	8.59 8.80 10.92 15.16 15.84 21.52 22.89 23.04 23.38 32.11 33.64 42.71 44.23 53.30 54.83 63.90 65.43	387 397 497 697 729 997 1062 1069 1085 1497 1569 1997 2069 2497 2569 2997 3069	0.20
<p><b>sysTRAX™ Bearer</b> Supporting member for sysTRAX™ connections. Installed atop of systemised standards and allows even transfer of loads. Multiple hole connection opportunities to suit bay sizes of 0.7m to 1.09m. Simple installation using AF0004 locking pins and AF0039 linch pins.</p> 	UA0007	14.87	1.21	0.10
<p><b>sysTRAX™ Sliding Support</b> Sliding bracket to allow for connection of sysTRAX™ modules and roofs to UA0007 support bearer. Integrated wheels within the assembly reduce horizontal loads acting on the support scaffold. Can be pinned to restrain vertically and horizontally or vertically only. Simple installation using AF0004 locking pin and AF0039 linch pin.</p> 	UA0014	6.13	0.17	0.20
<p><b>sysTRAX™ Connection Plate</b> Provides a connection for sysTRAX™ UB. Elongated holes provided operational flexibility for connection of elements. Simple installation using AF0004 locking pins and AF0039 linch pins.</p> 	UA0015	4.18	0.17	0.09
<p><b>TRAX™ Anti Uplift Castor</b> Unique rolling mechanism for roofing and scaffolding structures. Castor can be used in conjunction with a range of connectors to enable connection to roof or scaffold structures.</p> 	AA0002	15.00	0.17	0.25

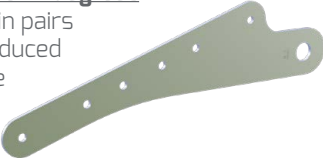




DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Castor Top Plate, D78 Beams</b> Enables connection to D78 Beams secured using quick release pins or bolts.</p> 	AA0004	3.40	0.17	0.35
<p><b>Castor Top Plate, Scaffold Tube</b> Enables standard scaffold tube connections secured using 3 half couplers.</p> 	AA0005	3.40	0.17	0.26
<p><b>Castor Top Plate 0 degrees</b> Provides an 0 degree connection to the structure, when used in conjunction with beam connector UA0011. Also used in pairs for 90 degree connections.</p> 	UA0000	5.00	0.17	0.14
<p><b>Castor Top Plate 18 degrees</b> Enables an 18 degree connection to the roof structure, when used in conjunction with beam connector UA0011 or aluminium support beams.</p> 	UA0018	5.20	0.17	0.17
<p><b>Castor Top Plate 18 degrees for APA ledgers</b> Enables an 18 degree connection to the roof structure, when used in conjunction with beam connector UA0011 or aluminium support beams. Stabilized with system ledgers.</p> 	UA0028	7.30	0.17	0.26
<p><b>Castor Conversion Plate for APA ledgers</b> Used with non-system top plates to allow for stabilization using system ledgers.</p> 	UA0029	3.55	0.17	0.08
<p><b>Castor Top Plate 36 degrees</b> Enables a 36 degree connection to the roof structure, when used in conjunction with beam connector UA0011 or aluminium support beams. Stabilized with system ledgers.</p> 	UA0030	9.25	0.17	0.35




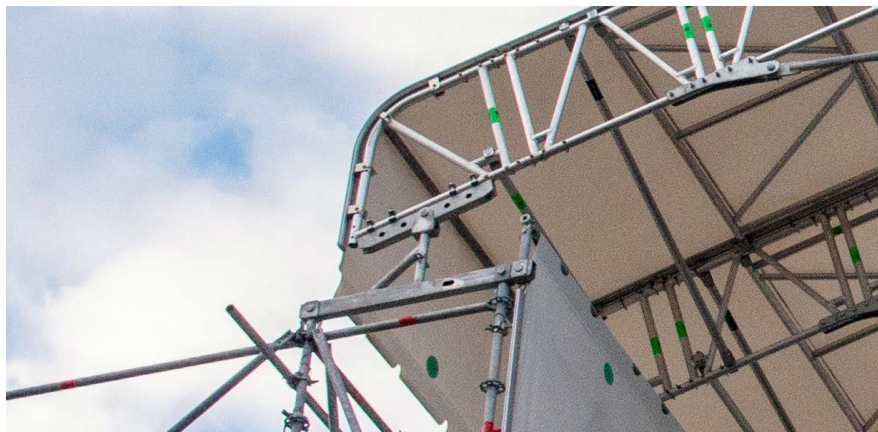


## 6.0 Tubular Tie Bar

Unique, simple and effective modular tension bar system using 48.3mm diameter steel tube. The tension bar system increases capacity and assists in alleviating the effect of snow or high vertical loads. Due to the tubular nature of the tension bar it can be effectively braced using standard UNI Roof braces or tubes and couplers. Once braced, the tension bar system can provide compressive resistance.

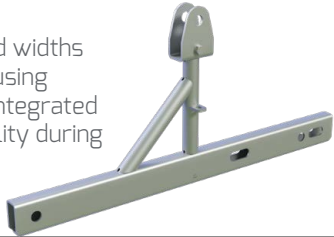
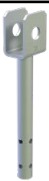



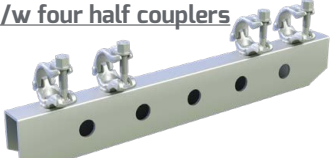
DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Tie Tube connection plate 18 degrees</b></p> <p>Connection plates used in pairs ensures that loads introduced from the tension bar are introduced at precisely the correct location at the beam joints.</p> 	UU0018	1.79	0.59	0.15
<p><b>ASTERIX HD Tie Tube connection plate 18 Degrees</b></p> <p>Connection plates used in pairs ensures that loads introduced from the tension bar are introduced at precisely the correct location at the beam joints.</p> 	UW0018	2.25	0.59	0.19
<p><b>Tie Tube End Piece 18 degrees D78</b></p>  <p>End connector for the tubular tension bar. Connects to the UU0018 connection plate.</p>	UU7818	11.38	2.99	0.08
<p><b>Tie Tube End Piece 18 degrees D45</b></p>  <p>End connector for the tubular tension bar. Connects to the UU0018 connection plate.</p>	UU4518	5.04	1.19	0.08
<p><b>ASTERIX HD Tie Tube End Piece 18 degrees</b></p>  <p>End connector for the tubular tension bar. Connects to the UW0018 connection plate.</p>	UW0118	5.45	1.34	0.08

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b><u>Tubular Tie Bar</u></b></p>  <p>Tie bar in three lengths enabling all spans to be achieved, connected using B50001 Spigots and quick release pins AF0001.</p>	UU0218 UU0318 UU0618	7.11 10.66 21.32	1.90 2.85 5.71	0.05
<p><b><u>Tie Bar Vertical Reinforcing Ties</u></b></p>  <p>Vertical tubes connecting the bottom chord of the beam line with the tensioning bar.</p>	UX0003 UX0006 UX0009 UX0012 UX0015 UX0018 UX0021	5.35 8.61 11.87 15.13 18.39 21.65 24.91	3.00 6.00 9.00 12.00 15.00 18.00 21.00	0.95 1.87 2.80 3.73 4.65 5.58 6.51



## 7.0 Beam Support

DESSA's unique pivoting beam support enables connection of scaffold or roof structure to modular scaffolding and ensures all loads are introduced at the standards. High capacity hinge mechanism ensures no moments are transferred to the supporting structures.




DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Beam Support Body</b> Suits multiple scaffold widths and secured in place using locking pin AF0004. Integrated wheel to allow flexibility during roof installation.</p> 	TA0001	17.20	1.21	0.55
<p><b>U-Head for OE Standard</b> Installed to open ended standards of system scaffold, secured in place using quick release pins AF0001 or M12 x 60 bolts AF0007.</p> 	TA0002	2.10	0.43	0.08
<p><b>U-Head for Standard with spigot</b> Installed to spigoted standards of system scaffold, secured in place using quick release pins AF0001 or M12 x 60 bolts AF0007.</p> 	TA0003	1.69	0.31	0.08
<p><b>ASTERIX HD and D78 Bearer Connection Bracket</b> Enables connection of beam bearers to Asterix HD beams.</p> 	UA0009	3.33	0.22	0.16
<p><b>Beam Bearer 2m</b> High capacity connection of scaffold or roof structure to support elements. Eliminates local buckling effects and ensures even load distribution. Connects to bracket UA0009.</p> 	UA0010	23.67	2.00	0.10
<p><b>Beam Connector 0.7m c/w four half couplers</b> Enables connection of scaffold or roof structure to modular supports.</p> 	UA0011	7.30	0.72	0.10





## 8.0 Cantilever Parts

Allows adjacent roofs to overlap, preventing water and wind ingress. Overlapping roofs can be built from a common runway beam and opened for crane access of materials. The cantilever bay avoids double lines of runway and 'roof on roof' telescopic arrangements.





DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Cantilever Brace</b> Fits to roof truss in conjunction with all other bracing elements but the addition of a 500mm cantilever element. This provides an overlapping segment from one roof to another.</p> 	UC1500 UC1572 UC2000 UC2072 UC2500 UC2572 UC3000 UC3072	4.14 4.21 4.65 4.72 5.16 5.23 5.67 5.74	2.00 2.07 2.50 2.57 3.00 3.07 3.50 3.57	0.10
<p><b>Extended Castor Conversion Plate</b> Connects to castor AA0002. Stabilized with system ledgers. Used to raise one roof when using cantilever braces.</p> 	UA0006	9.26	0.17	0.23
<p><b>Top Plate Spacer Tube</b> Allows for installation of the UA0018 or UA0000 on top of UA0006.</p> 	Z00367	0.11	0.04	Ø25.4mm
<p><b>Sheet Termination Tube</b> Allows for sheet termination on the cantilever bay.</p> 	UA0037	2.31	0.5	0.07
<p><b>Ridge Tube</b> Used in place of a regular UNI Ridge beam on the protruding cantilever beam line. Supports the UNI ridge track.</p> 	UC0018	2.19	1.28	Ø48.3mm
<p><b>Straight Tube</b> Used in place of a straight beam on the protruding end of a cantilever bay. Supports the UNI sheet tracking.</p> 	UC0002 UC0003 UC0006	3.32 4.98 9.97	2.00 3.00 6.00	Ø48.3mm

## 9.0 UNI Shelter



Unique shelter bracket allows lightweight shelters to be constructed quickly and easily using existing roofing materials and scaffold supports, Compatible with Metrix, Contur and Futuro scaffold systems and all DESSA beam ranges.


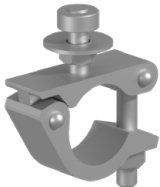




The ideal solution for concrete pours equipment / plant protection on site or any mobile shelter application, alternatively, can be erected from adjustable bases as a static shelter solution. Span up to 25m plus, any length possible

DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>UNI Shelter Bracket</b> Allows for rapid and easy construction of shelter structures in conjunction with system scaffold standards and diagonal braces.</p> 	UA0036	5.24	0.51	0.46
<p><b>UNI Shelter Eaves Track D78</b> Bespoke eaves track to provide a continuous transition point between pitched roof and vertical standard of shelter.</p> 	UT1018	3.69	1.12	1.23
<p><b>UNI Shelter Eaves Track D45</b> Bespoke eaves track to provide a continuous transition point between pitched roof and vertical standard of shelter.</p> 	UT1118	3.46	1.33	0.95
<p><b>UNI Shelter Castor</b> 7kN capacity 150mm polyurethane/nylon lockable castor complete with 500mm adjustable stem compatible with Ø48.3mm tubular members.</p> 	AA0010	5.20	0.69	0.22




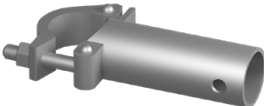
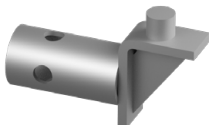


## 10.0 Accessories

DESSA supply a selection of accessories and fixings to enable functional possibilities with standard material and to ensure structural integrity.

DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Intermediate Roller Brace Coupler</b> Connects to roofing beams to provide connection points for roller braces. Allows for staggered / split bay roof configurations and non-standard beam lengths.</p> 	UA0001	1.45	0.14	0.11
<p><b>UNI Track Coupler Short</b> Allows connection of UNI track to 48.3mm diameter scaffold tube for sidewalls or roof extensions. UA0002 locates the track at the same height as UNI Roof bracing.</p> 	UA0002	0.65	38mm	116mm
<p><b>UNI Track Coupler Long</b> Allows installation of UNI Track to the sidewalls of scaffold structures, provides additional clearance to enable track to pass scaffold connections.</p> 	UA0020	0.66	38mm	146mm
<p><b>UNI Track Compressor</b> Installed at beam ends of each span and secured using AF0001 spring pin. Maintains track compression of 100kg of force along the UNI track and allows installation of roller braces.</p> 	UA0005	1.55	0.29	0.22
<p><b>Drilled tube for beam end</b> Provides an easy way of extending the chord of a beam with the use of compatible spigot and two quick release pins AF0001</p> 	UA0024	0.41	0.25	ø 48.3mm
<p><b>Detachable Sheet Pulling Wheel</b> To engage within the sheet tensioning bar. Nylon wheels to be located over the track to enable ease of sheet installation. To be remove after sheet installation and used on next bay.</p> 	UA0025	1.51	0.26	ø 80mm (wheel)



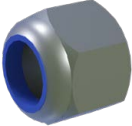
DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b><u>Eaves continuous tube connector</u></b> Steel component that provides a consistent tensioning point or rubbing pole for roof sheet.</p> 	UA0027	1.11	0.38	0.20
<p><b><u>Two part tracking coupler - tracking connector</u></b> Allows connection of DESSA tracking to the scaffold to enable side wall sheeting and weather protection.</p> 	UA0031	0.50	0.10	0.13
<p><b><u>Two part tracking coupler - wedge head connector</u></b> Allows connection of DESSA tracking to system scaffold rosettes to enable side wall sheeting and weather protection.</p> 	UA0032	0.90	0.12	0.14
<p><b><u>Two part tracking coupler - coupler head connector</u></b> Allows connection of DESSA tracking to tubular scaffold elements to enable side wall sheeting and weather protection.</p> 	UA0033	1.00	0.18	0.05
<p><b><u>Two part tracking coupler -tracking stop</u></b> Provides a vertical track stop to side wall sheet tracking.</p> 	UA0034	0.34	0.12	0.08

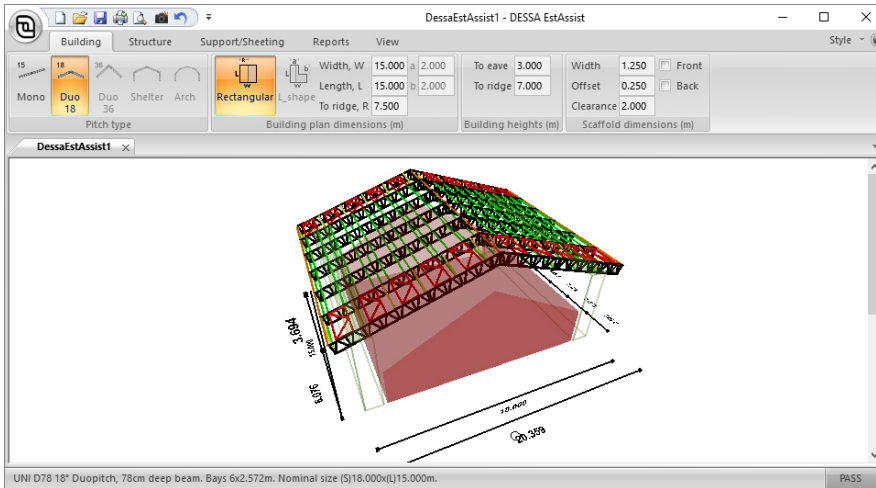


## 11.0 Fixings

Essential components for fastening roofing elements and structural members.

DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<p><b>Quick Release Pin M12 x 60 for round tube</b> A direct replacement for a nut and bolt, enables rapid assembly of beam spans.</p> 	AF0001	0.07	66mm	ø 12mm
<p><b>Quick Release Pin M12 x 70 for UNI Track</b> To connect ridge and eaves sheet tracks to ridge and eaves beams.</p> 	AF0002	0.10	82mm	ø 12mm
<p><b>Hex Bolt BZP G8.8 Steel M16 x 40</b> Used to connect TRAX™ UB sections together, used in conjunction with joining plate BR0012.</p> 	AF0003	0.09	57.7mm	ø 16mm
<p><b>Locking Pin 30mm</b> High capacity connecting pin used to connect tension bars and support components.</p> 	AF0004	0.55	97.5mm	ø 30mm
<p><b>Linch pin 6mm</b> Used in conjunction with AF0004.</p> 	AF0039	0.02	53	ø 6
<p><b>Hex Bolt BZP G8.8 Steel M12 x 90</b> High capacity bolt used to connect roof tension bar end plates UU0018 to beam joints.</p> 	AF0006	0.09	107.7mm	ø 12mm
<p><b>Hex Bolt BZP G8.8 Steel M12x60</b> For connection of B50001 spigots as an alternative to quick release pin AF0001.</p> 	AF0007	0.06	77.7mm	ø 12mm
<p><b>Hex Bolt BZP G8.8 Steel M12 x 45</b> For connection of castor top plates to castor body AA0002.</p> 	AF0008	0.05	62.7mm	ø 12mm

DESCRIPTION	PART No	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<b>Hex Lock Nut BZP G8.8 Steel M12</b> For use in conjunction with M12 bolts. 	AF0021	0.05	57.7mm	ø 12mm
<b>Hex Lock Nut BZP G8.8 Steel M16</b> For use in conjunction with M16 bolts. 	AF0023	0.05	57.7mm	ø 16mm



## 12.0 Software

3D estimating software for all DESSA Roof Systems. Allows quick material lists and quotations to be generated and facilitates easy and simple changing of roof length, span, bay size and supports. Windows10 compatible.

DESCRIPTION	PART No.	WEIGHT (kg)	DIM 1 (m)	DIM 2 (m)
<b>EstAssist</b> Roof Estimating and quoting software complete with instant 3D representation.	ET0001	-	-	-

Other products from DESSA include:

- RANGER™ STAIR



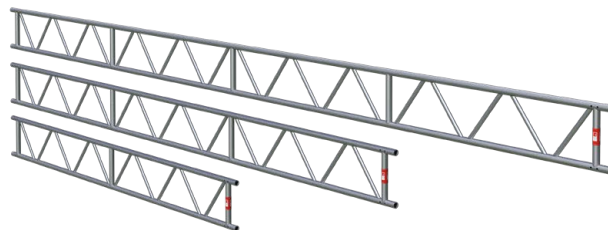
- SAFETY PRODUCTS



- MINI CATCH NET FAN



- LATTICE GIRDERS







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