

The image features a dark blue background with several metallic components of a shelving system. On the left, there are three long, narrow metal brackets with a series of rectangular slots along their length. On the right, there are four shorter, wider metal brackets with a T-shaped profile. The lighting creates highlights and shadows, emphasizing the metallic texture and the precision of the components.

Newtech shelving

Twinslot Architectural Shelving System
and Fixing Brackets

Newtech shelving

Newtech Drop & Lock Architectural Steel Shelving has established itself as a market leader with its twin slot steel shelving.

Newtech twin slot with it's inherent strength has now become the preferred choice with specifiers, architectural ironmongers, hospitals and stockists.

Newtech "drop and lock" system is a safety protection feature preventing the bracket from being accidentally dislodged making this the obvious choice within hospitals, schools, universities, local authorities, offices as well as many commercial applications.

Due to the increasing concern particularly in the healthcare, food hygiene and domestic environments Newtech has now introduced an anti-bacterial powder coating into the manufacturing process, Interpon AB from Akzo Nobel the worlds largest powder coatings company.



Interpon[®] Powder Coatings

Interpon AB has been tested by an independent microbiological laboratory and has proven effective at inhibiting the growth of the following bacteria-

Bacteria	Polyester Powder	Hybrid Powder
Listeria monocytogenes	✓	✓
Escherichia coli 0157	✓	✓
Salmonella enteritidis	✓	✓
Staphylococcus aureus (MRSA)	✓	✓
Staphylococcus aureus	✓	✓
Bacillus subtilis	✓	✓
Pseudomonas aeruginosa	✓	✓
Salmonella typhimurium	✓	✓
Streptococcus faecalis	✓	✓
Legionella pneumophila	✓	✓
Vibrio parahaemolyticus	✓	✓
Enterobacter aerogenes	✓	✓



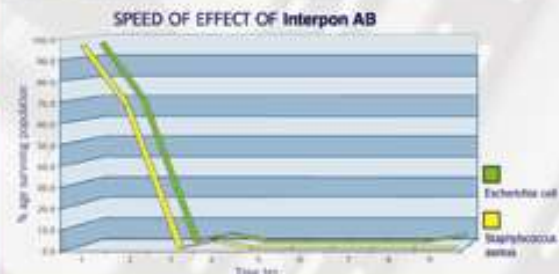
Interpon AB powder coating inhibits bacterial growth and in independent laboratory tests has been shown to be effective against a range of bacterial including Escherichia coli and Staphylococcus aureus (MRSA).

Akzo Nobel, the World's largest manufacturer of powder coatings, is a truly international business with manufacturing locations in 18 countries and across 5 continents.








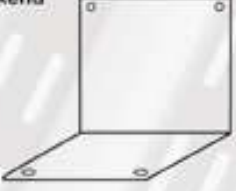
ANTI-BACTERIAL POWDER COATINGS

Interpon AB in independent laboratory tests has been shown to achieve an effective reduction within 4 hours of inoculation



Interpon AB provides a supportive defence against bacteria and is not a substitute for good cleaning practices.

Product List - Drop & Lock architectural steel shelving

		Part No.	Description			
Twinslot System - Brackets 		11205	Bracket	5"	12cm	[2" base]
		11207	Bracket	7"	17cm	[2" base]
		11209	Bracket	9"	22cm	[2" base]
		11211	Bracket	10 1/2"	27cm	[2" base]
		11213	Bracket	12 1/2"	32cm	[2" base]
		11215	Bracket	14 1/2"	37cm	[2" base]
		11315	Bracket	14 1/2"	37cm	[3" base]
		11319	Bracket	18 1/2"	47cm	[3" base]
		11324	Bracket	24"	61cm	[3" base]
	Reinforced Brackets 		11415	Bracket	14 1/2"	37cm
	11419	Bracket	18 1/2"	47cm	[4" base]	
	11424	Bracket	24"	61cm	[4" base]	
Twinslot System - Uprights 		11117	Upright	16 1/2"	42.5cm	
		11128	Upright	28"	71cm	
		11140	Upright	40"	100cm	
		11148	Upright	48"	122cm	
		11163	Upright	63"	160cm	
		11178	Upright	78"	198cm	
		11194	Upright	94"	240cm	
Twinslot System - Spring Rod Bookends 		11506	Bookend	6"	15cm	[pair]
		11508	Bookend	7 1/2"	20cm	[pair]
		11510	Bookend	9 1/2"	25cm	[pair]
Twinslot System - Shelf Ends 		11606L	Shelf end	6"	15cm	[left]
		11606R	Shelf end	6"	15cm	[right]
		11608L	Shelf end	8"	20cm	[left]
		11608R	Shelf end	8"	20cm	[right]
		11610L	Shelf end	10"	25cm	[left]
		11610R	Shelf end	10"	25cm	[right]
Twinslot System - Square Bookend 		11500	Bookend	5"	13cm	

Technical specification - Drop & Lock architectural steel shelving

Uniclass L626-P4111	EPIC Q26:X4121
CI/SIB (76.4)	Xr2

Formulation

Raw material: prime mild steel

Newtech Drop & Lock architectural steel shelving is manufactured from the best quality mild steel

Paint finish

Pre-treatment: phosphate dip
degrease

Finish: high quality polyester powder coat
Interpon 610 AB Anti Bacterial

Colour: RAL 9016

Durability

The phosphate pre-treatment ensures keying and bonding to the metal while the polyester powder coat is impervious to most commonly encountered chemicals and solvents ensuring maintenance of its attractive appearance during many years of hard-wearing service.

Strength

One of the features of this system is its inherent strength. The following chart shows maximum recommended weight loadings per bracket. These are based on results achieved by independent testing [see below] and incorporate a minimum 50% safety margin to cover usage in all working situations:

code	Length		max load ²	
			kgs*	lbs
11205	4 1/2"	12cm	149	328
11207	6 1/2"	17cm	104	229
11209	8 1/2"	22cm	84	185
11211	10 1/2"	27cm	62	136
11213	12 1/2"	32cm	55	121
11215	14 1/2"	37cm	50	108
11315	14 1/2"	37cm	98	215

² = maximum load [including safety margin] where the load is at the centre of the bracket length specified.

Performance in use

Newtech Drop & Lock architectural steel shelving has been designed to meet the highest of demands in a wide variety of situations. Its construction from heavy gauge mild steel means that it can be trusted to meet the demands of load bearing for long periods without failing or deforming.

The construction together with its high quality polyester powder coat finish with Interpon 610 Anti Bacterial, means that the product will maintain its appearance and performance even in conditions of heavy prolonged use.

Safety

Newtech architectural steel shelving incorporates a safety protection feature which prevents the bracket [and shelf] being accidentally dislodged while in use. The bracket first slots and then drops into place, effectively locking the bracket once it is in this position. It cannot be dislodged unless first the shelf is removed and then the bracket is angled upwards to enable withdrawal from the upright.



Applications

Existing applications include the following:

Institutional: universities, colleges, schools, libraries, public buildings

Commercial: offices, retail, storerooms, showrooms, veterinary clinics

Healthcare: hospitals, clinics, laboratories, medical research establishments, dental laboratories

plus many more

Product range

See attached data sheets for full range and specification details.

Accessories

The range of bookends [3 designs] is designed to meet the variety of applications anticipated for the product including libraries, offices and institutional uses.

These are complemented by a comprehensive range of steel shelves from a company with long experience in fabrication from sheet and tubular steel.

Where the ranges described herein still fail to meet the demands of a specific application Newtech is also able to offer a bespoke production facility.

¹ Independent testing of uprights and brackets was conducted during March and April 2000. Detailed results available upon request.

Tests conducted by: Salford University Faculty of Engineering
Department of Aeronautical, Mechanical and
Manufacturing Engineering
The University of Salford
Salford,
M5 4WT, England

Technical specification - Drop & Lock architectural steel shelving

Components

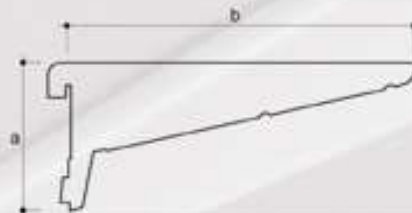
1 Brackets: standard

code	a	b
11205	2" 50mm	4 1/4" 115mm
11207	2" 50mm	6 1/4" 165mm
11209	2" 50mm	8 1/4" 215mm
11211	2" 50mm	10 1/4" 265mm
11213	2" 50mm	12 1/4" 317mm
11215	2" 50mm	14 1/4" 366mm
11315	3 1/4" 82mm	14 1/4" 366mm
11319	3 1/4" 82mm	18 1/4" 467mm
11324	3 1/4" 82mm	24" 610mm



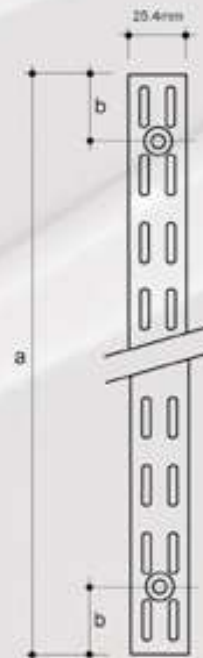
2 Brackets: heavy duty [reinforced]

code	a	b
11415	4 1/4" 118mm	14 1/4" 370mm
11419	4 1/4" 118mm	18 1/4" 470mm
11424	4 1/4" 118mm	24" 610mm



3 Wall uprights

code	a
11117	16 1/4" 42.6cm
11128	28" 71cm
11140	39 1/4" 100cm
11148	48" 122cm
11163	63" 160cm
11178	78" 198cm
11194	94 1/4" 240cm



Fixing centres for uprights

(i.e. distances between fixing holes in uprights [for setting of noggins etc])

Fixing points	b	b	b	b
11117	2 38mm	350mm	38mm	
11128	3 38mm	317mm	317mm	38mm
11140	4 38mm	317mm	268mm	317mm
11148	4 38mm	360mm	380mm	380mm
11163	5 38mm	380mm	360mm	380mm
11178	6 38mm	360mm	360mm	380mm
11194	6 38mm	440mm	476mm	476mm

Fixing of wall uprights

The strength of the installation is dependent on the strength of these fixings; it is the installers responsibility to ensure the strength and suitability of these fixings [especially when fixing to partitions or hollow/stud walling] and that the substrate material is adequate.

The wall uprights are countersunk to accept no 12 screws which will sit into the countersink without projection.

The length of the screw will be selected on site as appropriate.

Fixing centres between uprights: Where Newtech standard steel shelves are used the centres between uprights are 1000mm.

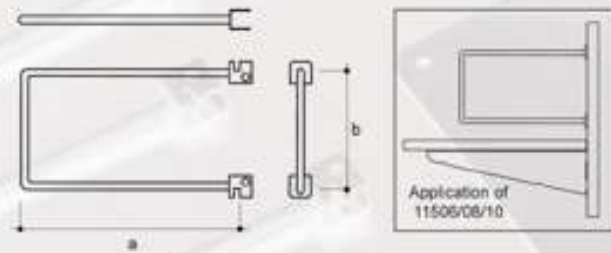
When using mdf or other timber material the thickness of the material will determine suitable centres; however as a general guide 600mm centres could be the maximum suitable material where material of 20mm thickness or above is used.

Technical specification - Drop & Lock architectural steel shelving

Accessories

1 Bookends: spring rod type

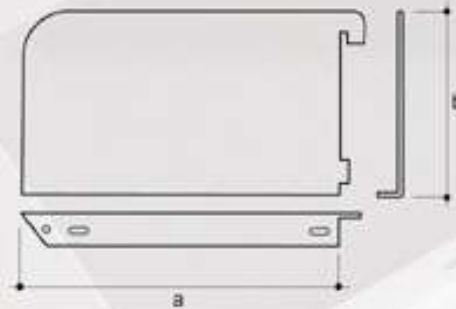
code	a	b		
11506	5 1/4" 145mm	4 1/4" 115mm		
11508	7 1/4" 200mm	4 1/4" 115mm		
11510	9 1/4" 248mm	5 1/4" 152mm		



Spring rod bookends clip onto the uprights and can be placed at each upright for extra support

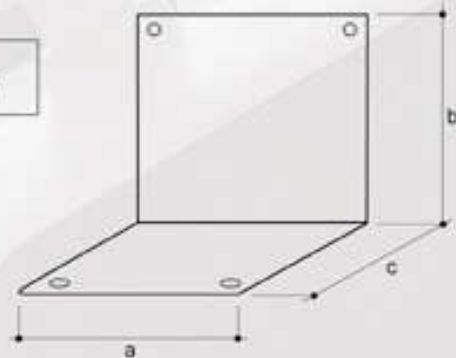
2 Bookends: shelf support type

code	a	b		
11606L 11606R	6" 152mm	6" 152mm		
11608L 11608R	8" 203mm	6" 152mm		
11610L 11610R	10" 254mm	6" 152mm		



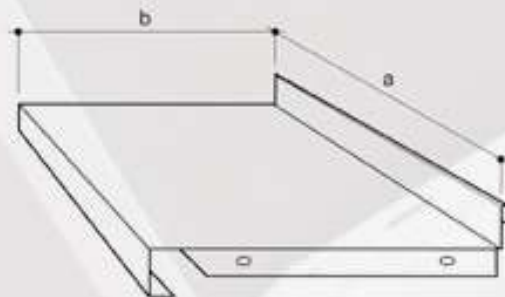
3 Bookends: square book support

code	a	b	c		
11500	5 1/4" 130mm	5" 128mm	5" 128mm		






4 Steel shelves

code	a	b		
11707	39 1/4" 1000mm	7" 17cm		
11709	39 1/4" 1000mm	9" 22cm		
11711	39 1/4" 1000mm	10 1/2" 27cm		
11713	39 1/4" 1000mm	12 1/2" 32cm		
11715	39 1/4" 1000mm	14 1/2" 37cm		
11719	39 1/4" 1000mm	18 1/2" 47cm		
11724	39 1/4" 1000mm	24 1/2" 61cm		

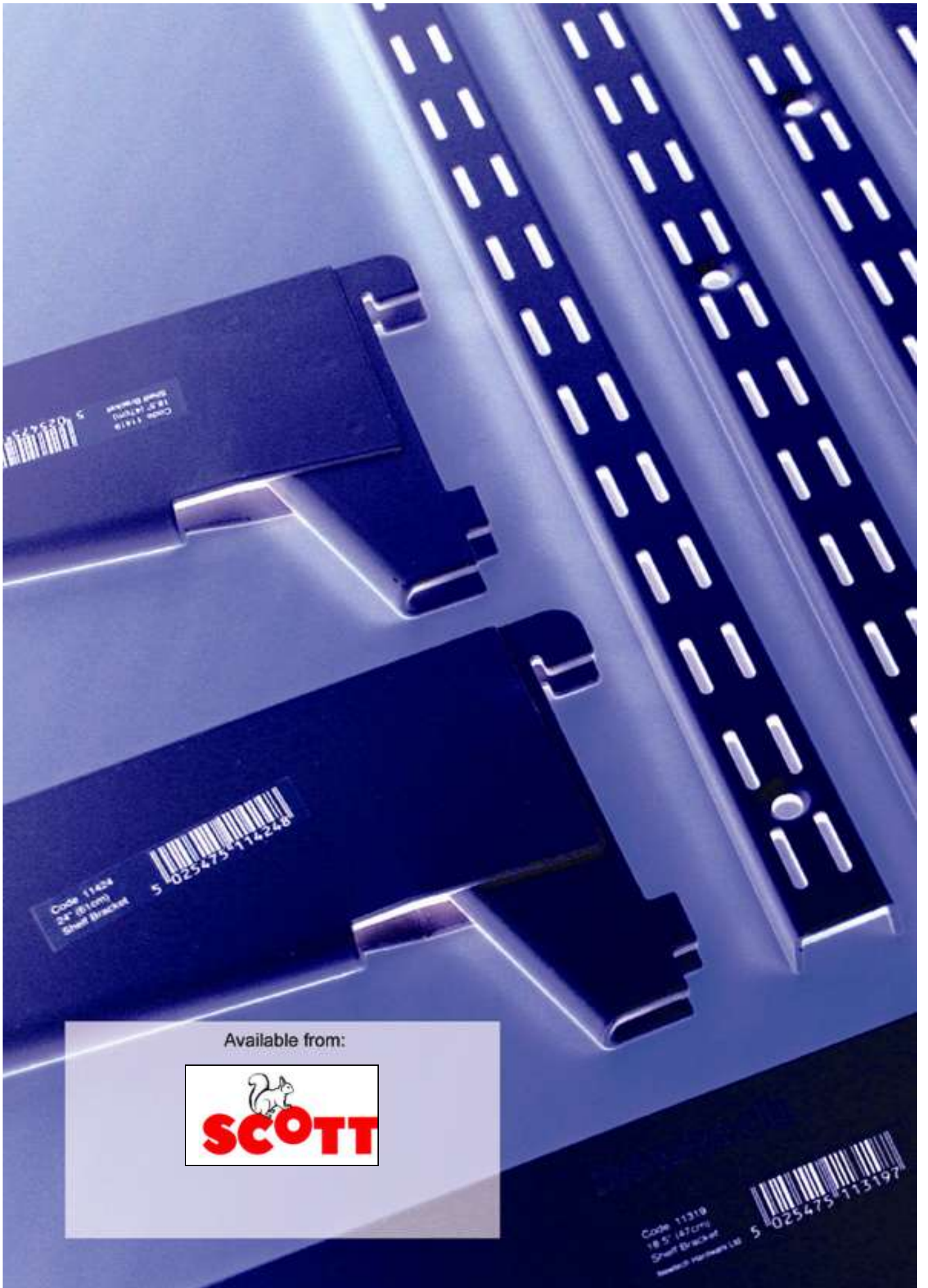


Newtech - Fixed Brackets

		Part No.	Description		
Reinforced Brackets		21143	White	4 x 3"	100 x 75mm
		21165	White	6 x 5"	150 x 120 mm
		21186	White	8 x 6"	200 x 150 mm
		21108	White	10 x 8"	250 x 200mm
Mitred Brackets		21288	White	8 x 8"	200 x 200mm
		21200	White	10 x 10"	250 x 250mm
		21222	White	12 x 12"	300 x 300mm
		21244	White	14 x 14"	350 x 350mm
Cantilevered Brackets		21365	White	6 x 5"	150 x 120mm
		21386	White	8 x 6"	200 x 150mm
		21308	White	10 x 8"	250 x 200mm
London Brackets		03134	White	3 x 4"	75 x 100mm
		03145	White	4 x 5"	100 x 125mm
		03156	White	5 x 6"	125 x 150mm
		03168	White	6 x 8"	150 x 200mm
		03179	White	7 x 9"	175 x 225mm
		03180	White	8 x 10"	200 x 250mm
		03012	White	10 x 12"	250 x 300mm
		31214	White	12 x 14"	300 x 350mm
		03234	Grey	3 x 4"	75 x 100mm
		03245	Grey	4 x 5"	100 x 125mm
		03256	Grey	5 x 6"	125 x 150mm
		03268	Grey	6 x 8"	150 x 200mm
		03279	Grey	7 x 9"	175 x 225mm
		03280	Grey	8 x 10"	200 x 250mm
		32012	Grey	10 x 12"	250 x 300mm
32214	Grey	12 x 14"	300 x 350mm		

Newtech - LCD T.V. Brackets

<p>2 Way - Pivot & Tilt LCD T.V. Bracket</p> 	<p>Supports LCD TV's from 15" to 23" (38 - 56cm). (Weight loadings up to 15kgs) Wall-mountable with adjustable swivel and tilt functions. Supplied ready assembled with wall fixings and lifetime warranty. VESA 75mm and 100mm compatible.</p>
<p>3 Way - Fully Adjustable Pivot & Tilt LCD T.V. Bracket</p> 	<p>Supports LCD TV's from 15" to 23" (38 - 56cm). (Weight loadings up to 15kgs). Wall-mountable with fully adjustable pivot swivel and tilt functions. Supplied ready assembled. Mounting arm allows mounting in a recessed corner. Supplied ready assembled with wall fixings and lifetime warranty. VESA 75mm and 100mm compatible.</p>



Available from:



Code 11319
18.5" (47cm)
Sheet Bracket
Hawthorn Hardware Ltd
5 025475 113197