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# Product Specification

## MS C 3.7 Rope & Pulley Awnings

<b>Orig. Issue Date:</b>	19-Apr-05	<b>Reviewer:</b>	Mark Khong
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<b>Location</b>	<b>Computer File:</b>	<a href="#">\\Common\contract\AA - Products\Outdoor</a> Product Specification - MS C 3.7 Rope & Pulley Awning
	<b>Hard Copies:</b>	<ul style="list-style-type: none"> <li>▪ Production Office (Master Copy)</li> <li>▪ Outdoor Work Area File</li> </ul>

Document Revisions—		
Date	Description of change	Originated by—
19-Apr-05	Create Specification	Huib De Visser
31-Jul-09	Max Drop changed to 4000 mm, max. Steel and fabric cutting tolerance changed to ± 3 mm. Top Lathe size change.	Mark Khong
Feb 2011	Remove side hems from Screen fabrics	Mark Khong
Nov 2011	Side hems on all Screen fabrics except Outlook Mode & VWeave Plus fabrics, unless requested as No side Hems	Krishna
Jan 2012	Rollertube deduction altered from 55mm to 53mm	Krishna
Sep 2013	Removed Welding on the sides for Screen fabrics only	Krishna

Approval—			
Stakeholder	Position	Signature	Date
Krishna	Production Manager		
Andrew Rundle	Marketing Manager		

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## PRODUCT SPECIFICATION

Product Name

**Rope & Pulley Awnings**

### 1. Scope

This specification covers the production of the following Blinds:

- Rope & Pulley Awnings

### 2. General Specifications

#### BLIND DIMENSIONS

	Minimum (mm)	Maximum (mm)
<b>Width</b>	550	5900
<b>Drop</b>	550	4000

#### NOTES—

- Where blinds are **ordered outside this range**, customers must be referred to the Production Department. Blinds ordered that are outside this range should not be made without authorisation.
- OBM = Outside Box Measurement

#### CLOTH

<b>Pattern</b>	<ul style="list-style-type: none"> <li>• As per Work Order</li> <li>• Pattern must be centred across the width of the Blind</li> </ul>
<b>Colour</b>	<ul style="list-style-type: none"> <li>• As per Work Order</li> </ul>

	Ceiling (Recess) Fix	Face Fix	Tolerance
<b>CUT Cloth Width</b>	• Blind Width + 60mm	• Blind Width + 60mm	± 3mm
<b>CUT Cloth Drop</b>	• Blind Drop + 450mm	• Blind Drop + 390mm	
<b>SQUARED Cloth Drop</b>	• Blind Drop + 350mm	• Blind Drop + 290mm	
<b>FINAL Blind width</b>	• Blind width	• Blind width	
<b>FINAL Blind Drop</b>	• Blind Drop + 90mm	• Blind Drop	
<b>Panel size</b>	• Minimum width = 300mm		

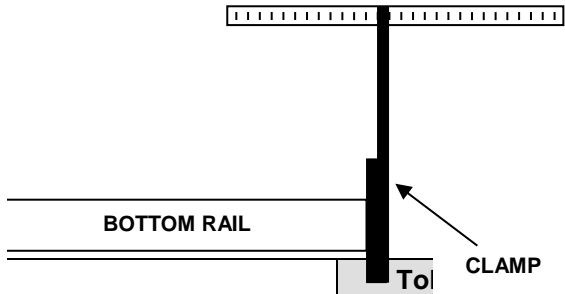
#### TOP LATHE

<b>Size</b>	• 70mm x19mm Timber
<b>Length</b>	• Blind Width ± 2 mm

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## 2. General Specifications

<b>Cutting</b>	<ul style="list-style-type: none"> <li>• Cut on Timber Saw</li> </ul>
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<b>BOTTOM RAIL</b>	<b>Type</b>	<ul style="list-style-type: none"> <li>• Steel—50mm diameter</li> </ul>
	<b>Colour</b>	<ul style="list-style-type: none"> <li>• As per Work Order</li> <li>or</li> <li>• Must match Canvas backing colour as closely as practical</li> </ul>
	<b>Cutting</b>	<ul style="list-style-type: none"> <li>• Must use Bottom Rail part of Guide to get proper allowance</li> <li>• Set the Clamp Guide to (Blind Width + 45mm)</li> </ul> 
	<b>Cut Length</b>	<ul style="list-style-type: none"> <li>• Blind Width – 8mm</li> </ul>
	<b>End caps</b>	<ul style="list-style-type: none"> <li>• 1 pair of ROPE &amp; PULLEY End-caps to be used</li> <li>• End caps must be firmly attached (riveted) to Bottom Rail</li> </ul>

## CONTROLS—

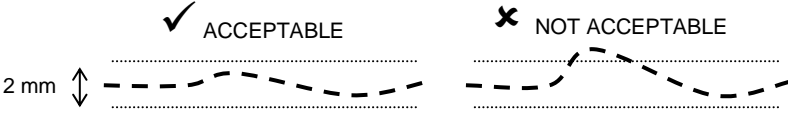
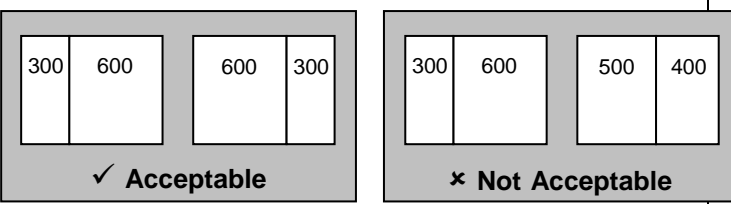
<b>Pulleys</b>	<ul style="list-style-type: none"> <li>• A Double Pulley must be attached to the Control side of the Top Lathe: <ul style="list-style-type: none"> <li>– in the middle of a pattern stripe</li> <li>– 400mm to 600mm from the end</li> </ul> </li> <li>• A Single Pulley must be attached to the non-Control side: <ul style="list-style-type: none"> <li>– on same coloured stripe as Double Pulley</li> <li>– at same distance from end as Double Pulley is from the other end</li> </ul> </li> <li>• For Blind widths between 3.5 &amp; 4.5m—a screw-eye must be attached to the centre of the Top Roller to support the Cord</li> </ul>
<b>Cord</b>	<ul style="list-style-type: none"> <li>• White Cord for light fabrics; Brown Cord for dark fabrics</li> <li><i>For Blind widths &lt; 4.5m—</i> <ul style="list-style-type: none"> <li>• Length = (6 x Drop) + Width</li> <li>• Use standard length, unless otherwise stated on the Order</li> <li>• This gives a <b>double</b> Cord</li> </ul> </li> <li><i>For Blind widths ≥ 4.5m—</i> <ul style="list-style-type: none"> <li>• 1<sup>st</sup> Cord Length = (6 x Drop) + Width</li> <li>• 2<sup>nd</sup> Cord Length = (3 x Drop) + (½ x Width)</li> <li>• This gives a <b>triple</b> Cord</li> <li>• Use standard lengths, unless otherwise stated on the Order</li> </ul> </li> </ul>



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## 2. General Specifications

### FINISHING—

<b>Fabric</b>	<ul style="list-style-type: none"> <li>There must be no holes or dirty marks</li> <li>Any fabric flaws must be within the acceptable range identified in the Flaws folder at the Cutting Tables</li> <li>For patterned fabric—all blinds in the same order must be made with the same fabric orientation</li> <li>All Blinds of the same size, in the same Order, must be cut the same—that is, so the pattern matches</li> <li>All Blinds in the same Order must be centred on the same part of the pattern</li> </ul>
<b>Squareness</b>	<ul style="list-style-type: none"> <li>Tolerance of <math>\pm 3</math> mm</li> </ul>
<b>Pockets</b>	<ul style="list-style-type: none"> <li>Top Pocket must be 230mm</li> <li>Bottom Pocket must be 210mm—including a 20mm turn-under</li> </ul>
<b>Sewing</b>	<ul style="list-style-type: none"> <li>All stitching must be straight—with no more than <math>\pm 1</math> mm deviation over 1 metre of sewing</li> </ul>  <ul style="list-style-type: none"> <li>There must be no gaps or loose stitching</li> <li>All Canvas type fabrics must have a 30mm hem on each side</li> <li>All Screen fabrics to be Ultrasonically cut to seal the edges</li> <li>All Screen type fabrics will have no hems on the side unless there is a join the fabric.</li> <li>Minimum Panel size = 300mm</li> <li>Panel join overlap = 30mm</li> <li>Joins can be anywhere on Blind—as long as: <ul style="list-style-type: none"> <li>panels in Blinds from the same Order are same width:</li> </ul> </li> </ul> 
<b>Construction</b>	<ul style="list-style-type: none"> <li>There must be a Timber Lathe sitting in the Top Pocket</li> <li>There must be a Bottom Rail in the Bottom Pocket</li> <li>Blind must be flush with the Bottom Rail End Caps</li> </ul>
<b>Function</b>	<ul style="list-style-type: none"> <li>Blind must pull up &amp; down smoothly</li> <li>Blind must roll up straight</li> </ul>

### COMPONENTS INCLUDED

<b>Strap Kit (standard)</b>	<ul style="list-style-type: none"> <li>2 Straps</li> <li>2 Strap Adaptors (screws with End Caps)</li> <li>2 Breeching Staples</li> <li>2 Cleat Hook</li> </ul>
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## 2. General Specifications

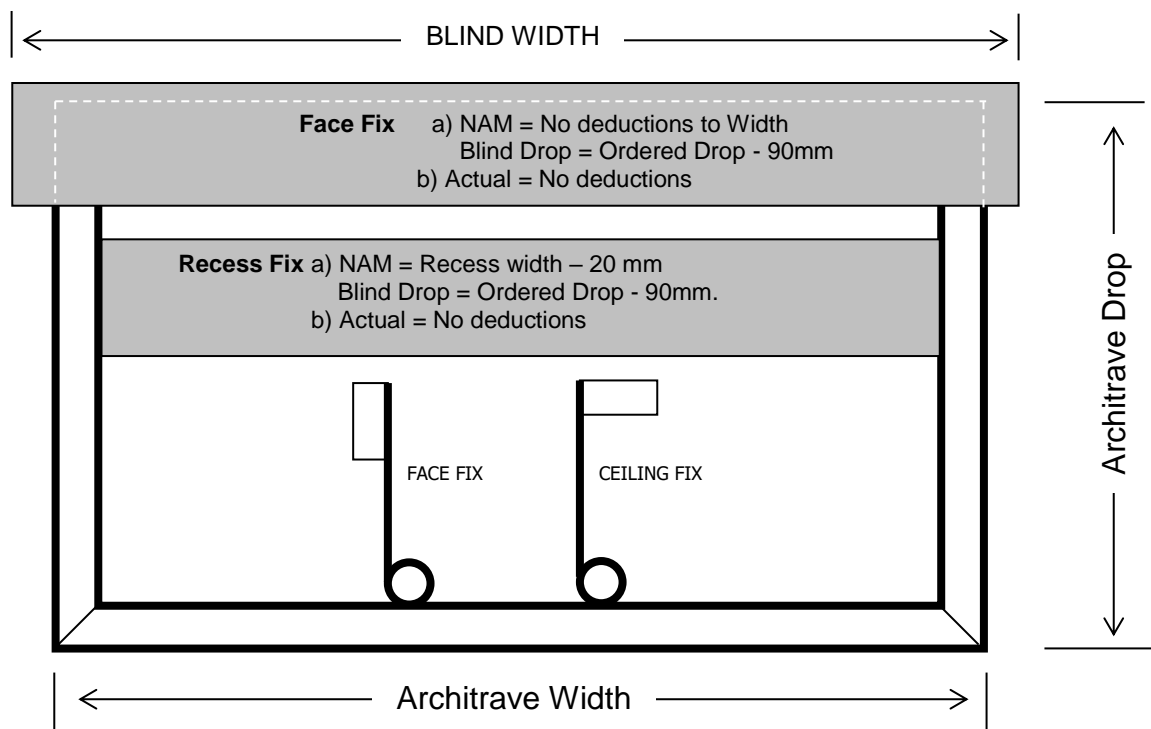
<b>Chain Kit</b> (only if on Work Order)	<ul style="list-style-type: none"> <li>• Snap Hook</li> <li>• Ring</li> <li>• Split Link</li> <li>• Chain</li> <li>• Ring Bolt</li> <li>• Loxin</li> </ul>
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## 3. Options

	Standard			Available Options
<b>Weave orientation</b>	Standard			No other options
<b>Lift Control</b>	Cord			No other options
<b>Cord length</b>	<b>WIDTH</b>	<b>CORDS</b>	<b>CORD LENGTH(S)</b>	As requested
	< 4.5m	1	(6 x Drop) + Width	
	≥ 4.5m	2	(6 x Drop) + Width (3 x Drop) + (½ x Width)	
<b>Cord Colour</b>	White Cord for light fabrics; Brown Cord for dark fabrics			No other options
<b>Tie-Down System</b>	Strap Kit			Chain Kit
<b>Extra Componentry</b>	None			See Appendix 1 for full list. Only include when ordered.
<b>Fabric type &amp; colour</b>	<ul style="list-style-type: none"> <li>• As per the Work Order</li> </ul>			
<b>Bottom Rail colour</b>	<ul style="list-style-type: none"> <li>• As per the Work Order</li> </ul>			

NOTE—Options should only be used if they are noted on the Work Order. Otherwise STANDARD fittings must be used.

## 4. Standard Measurement Terminology



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Type	Width (mm)	Drop (mm)
<b>Brick House</b>	<ul style="list-style-type: none"> <li>Architrave Width + 150mm</li> </ul>	<i>If window goes up to the eaves:</i> <ul style="list-style-type: none"> <li>Eave Line to top of Brick Sill</li> </ul> <i>If there are brick courses above the window:</i> <ul style="list-style-type: none"> <li>From 2 brick courses above window to top of Brick Sill</li> </ul>
<b>Timber House</b> <i>(Blind will sit on the Architrave)</i>	<ul style="list-style-type: none"> <li>Architrave Width</li> </ul>	<ul style="list-style-type: none"> <li>Architrave Drop</li> </ul>
<b>Aluminium Windows</b> <i>(no Architraves)</i>	<ul style="list-style-type: none"> <li>Window Frame + 100mm</li> </ul>	<ul style="list-style-type: none"> <li>Window Frame Drop</li> </ul>

#### NOTES ~

\* If there is no indication on the Order, it will be assumed that the measurements given are OBM sizes.

\*\* Always fix to brick never to mortar.

**OTHER NOTE:** Colour may vary from dye lots to dye lot.

#### TIPS:

- Always use a reliable metal tape measure
- Take at least three measurements across the window or door & use the smallest one
- Before completing the Order, make sure there are no obstructions that could interfere with fitting the Blind

## 5. Packaging & Labelling

- Each Blind will be individually packed in a polythene bag.
- Small components are sealed in a separate plastic bag. A Fitting Instructions leaflet is to be supplied for every order.
- Components bags, Guides & Pull-down Rod are held together with cable ties.

The following additional packaging applies to delivery by external Courier only:

- A maximum of 2 Blind packs are packaged together in a triangular cardboard box—cut to accommodate the Blind width.
- Blind packs will be taped together—not too tightly—to minimise movement during transport.
- Packages may contain scrap packaging materials, such as bubble wrap and cardboard that is used to stop movement of Blinds within the package during transport.
- Each cardboard package will be labelled with the Customer's name & the Customer Order Number.

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## Appendix 2

### AWNINGS—EXTRA COMPONENTRY LIST

Extra Components		Can be used with:				Used for:
PART NO.	PART NAME	AUTO	FIXED GUIDE	ROPE & PULLEY	FOLDING ARM	
AC680-SD AC680-H	<b>Side Fix Brackets</b>	✓	✓			<ul style="list-style-type: none"> <li>• Side Fixing in between pillars</li> <li>• Side Fixing to wall for use with guides</li> <li>• Corner or semi-Recess Windows</li> </ul>
AC635	<b>Hood Stand-out Brackets</b> 25mm 40mm 50mm 65mm 75mm 90mm 100mm 115mm 125mm 140mm 150mm	✓	✓			<ul style="list-style-type: none"> <li>• To compensate for brick on corner windows, etc.</li> <li>• Protruding Windows</li> </ul>
AC620	<b>Guide Top Hat Stand-out Brackets</b> 25mm 40mm 50mm 65mm 75mm 90mm 100mm 115mm 125mm 140mm 150mm	✓	✓			<ul style="list-style-type: none"> <li>• To build Guide out to compensate for brick or to overcome obstructions</li> <li>• Protruding Windows</li> </ul>
AC710-L AC710-S	<b>Telescopic Corner Brackets</b> Large—for Box or Top Guide Small—for Bottom	✓	✓			<ul style="list-style-type: none"> <li>• Used for Corner windows</li> </ul>
	<b>Telescopic Brackets</b>					<ul style="list-style-type: none"> <li>•</li> </ul>
AC645-D AC645-S	<b>Mullion Plates</b> DOUBLE or SINGLE	✓				<ul style="list-style-type: none"> <li>• For butting Blinds on narrow mullions</li> </ul>
AC625	<b>Guide Extension Twisted</b>	✓				<ul style="list-style-type: none"> <li>• Where there is no fixing for top of Guide over glass</li> </ul>
AC685-B AC685-W	<b>Sill Insert</b>		✓			<ul style="list-style-type: none"> <li>• For Internal Fixing</li> </ul>
AC670	<b>Rope Cleat</b>		✓	✓		<ul style="list-style-type: none"> <li>• To tie off Cord at required height</li> </ul>
AC660-D AC660-S	<b>D Pulley</b> DOUBLE or SINGLE		✓	✓		<ul style="list-style-type: none"> <li>• For external operation—to overcome many obstructions</li> </ul>
AC660-D AC660-S	<b>Pulley Bracket</b> DOUBLE or SINGLE Projections— 150mm 225mm 300mm (std) 450mm 600mm		✓			<ul style="list-style-type: none"> <li>• For internal operation</li> </ul>
AC260-M AC260-P	<b>Pull Down Ring</b> METAL or PLASTIC		✓			<ul style="list-style-type: none"> <li>• Extra Rings may be needed for wide Blinds</li> </ul>
AC600	<b>Breeching Staple</b>			✓		<ul style="list-style-type: none"> <li>• For Strap-down Blinds</li> </ul>

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Extra Components		Can be used with:				Used for:
PART NO.	PART NAME	AUTO	FIXED GUIDE	ROPE & PULLEY	FOLDING ARM	
<b>AC705</b>	<b>Straps</b> 300mm 375mm 450mm 600mm 750mm 900mm 140mm 150mm			✓		<ul style="list-style-type: none"> <li>• For Strap-down Blinds</li> </ul>
<b>AC700</b>	<b>Strap Adaptor</b>			✓		<ul style="list-style-type: none"> <li>• For Strap-Down Blinds</li> </ul>
<b>AC605-S</b> <b>AC-605-J</b>	<b>Drop Irons</b> STRAIGHT (Strap) or J IRON 900mm 1200mm 1500mm 1800mm			✓		<ul style="list-style-type: none"> <li>• Usually used for Shop Front installation</li> </ul>
<b>AC610</b>	<b>Drop Path Rings</b>			✓		<ul style="list-style-type: none"> <li>• Usually used for Shop Front installation—where Blind comes close to footpath</li> </ul>
<b>AC603</b>	<b>Dog Clip or Chain Adaptor</b>			✓		<ul style="list-style-type: none"> <li>• When Chains are used instead of Straps</li> </ul>
						<ul style="list-style-type: none"> <li>•</li> </ul>