


EXTERNAL WIRE GUIDE PRODUCT SPECIFICATIONS



September 2013

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DISCLAIMER

INTRODUCTION

This product specifications manual has been produced by Acmeda to supply the necessary information for safe and correct assembly and installation of this system.

DISCLAIMER

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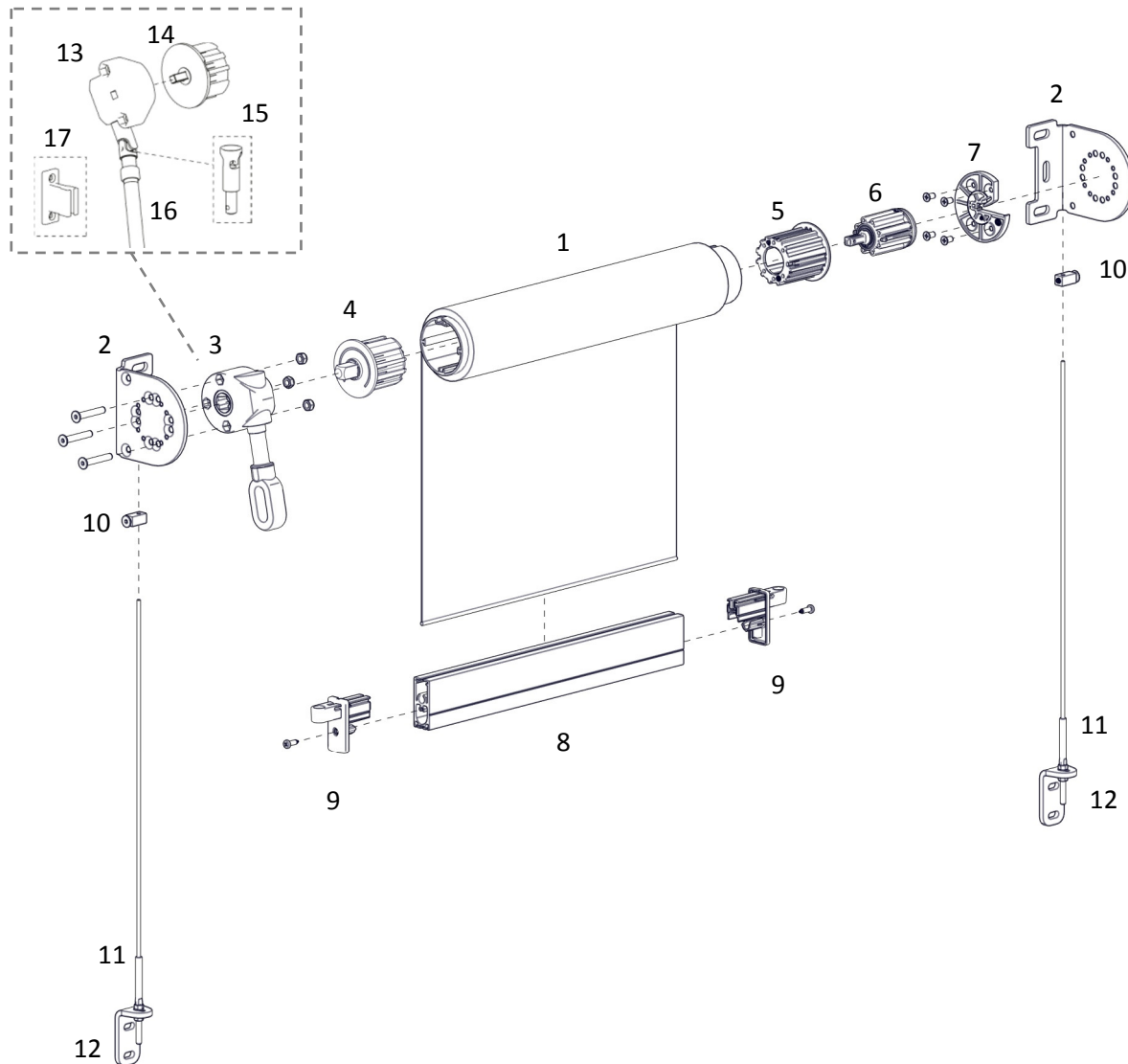
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SECTION 1 – OVERVIEW

PART A – GENERAL SCHEMATICS

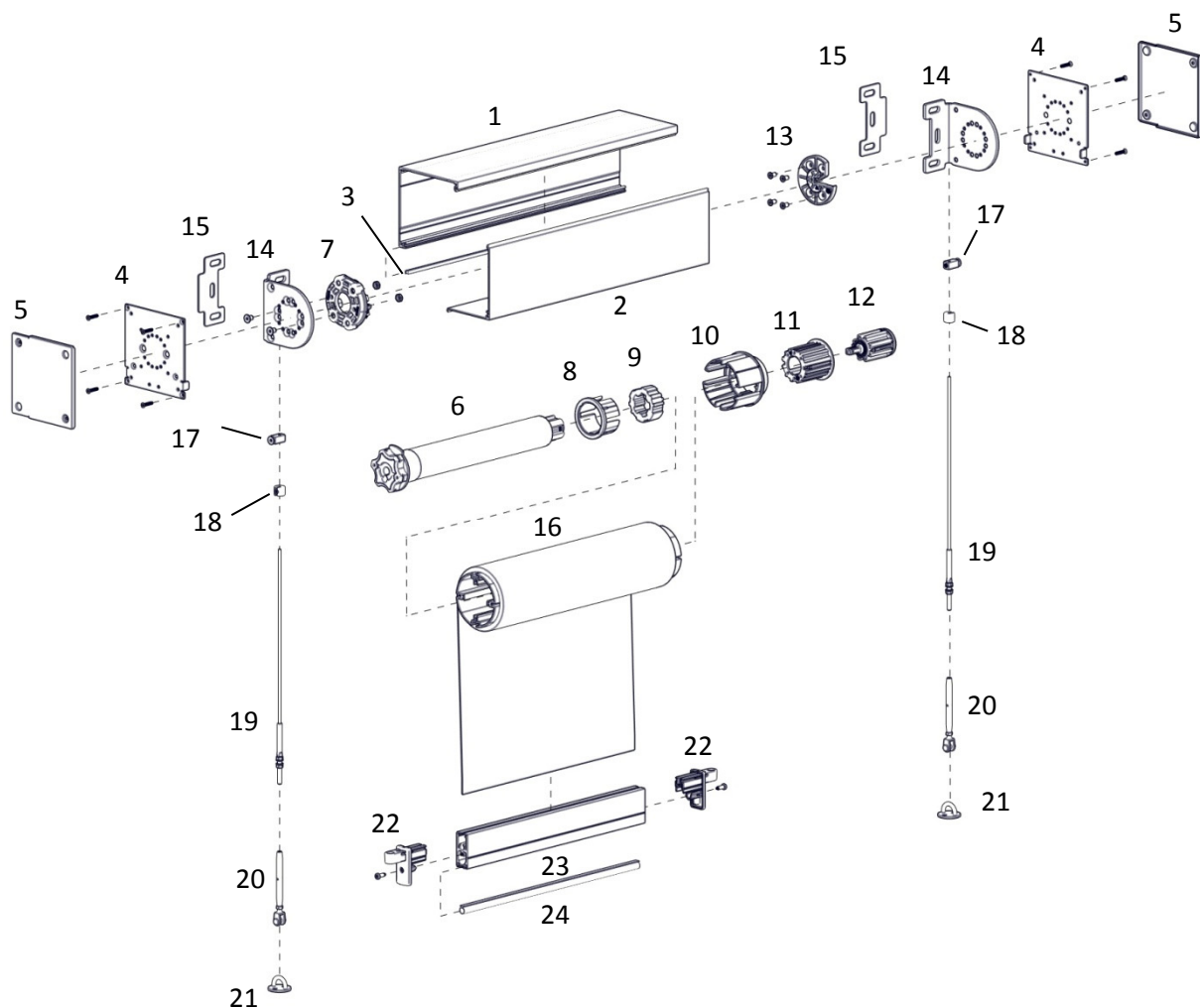
The Acmeda External Wire Guide system has been developed to integrate with the popular Zipscreen system. An alternate option for straight drop application, with durable stainless steel and corrosion resistant hardware and componentry, this system is designed for variety of modern and contemporary applications.



Note: This configuration is primarily shown as example throughout manuals

SYSTEM INDEX – S60 OPEN BLIND | CRANK CONTROL | 60STD TUBE | FACE FIX

- | | |
|----------------------------------|---|
| 1. Aluminium Tube S60 | 10. Swageless Top Fix Terminal & Fixings |
| 2. External Wire Guide Bracket | 11. Swage Adjustable Terminal + 4.2m Wire |
| 3. Gear (Ratio 9:1) | 12. Wall Mounting Bracket |
| 4. Crank Drive End Cap | 13. Gear (Ratio 6:1) |
| 5. RB10 Tube Adaptor S60 | 14. Crank Drive End Cap (for 6:1 Ratio) |
| 6. RB10 Bearing Idler Head S60 | 15. Crank Coupling Joint (for 6:1 Ratio) |
| 7. RB10 Idler Head Adaptor | 16. Crank Control Arm (for 6:1 Ratio) |
| 8. F52 External Weight Bar | 17. Crank Arm Support (for 6:1 Ratio) |
| 9. F52 Wire Guide End Cap | |



SYSTEM INDEX – S60 | BOX SQUARE 120 | MOTOR CONTROL | 80 LIGHT&HD | FLOOR FIX

- | | |
|--|---|
| 1. Box Square 120 Top & Back | 13. RB10 Idler Head Adaptor |
| 2. Box Square 120 Cover – V.2 | 14. External Wire Guide Bracket |
| 3. Fabric Brush T – Slot Fit | 15. Box Square 120 Bracket Spacer |
| 4. Box Square 120 End Plate Set - Without Ears | 16. Aluminium Tube S60 80HD |
| 5. Box Square 120 End Plate Cover Set – Metal | 17. Swageless Top Fix Terminal & Fixings |
| 6. M50 Motor (Non-Acmeda Item) | 18. Adjustable Stop |
| 7. Universal Zamak Adaptor | 19. Swage Adjustable Terminal + 4.2m Wire |
| 8. M50 Crown Wheel S60 | 20. Turnbuckle Set |
| 9. M50 Drive Wheel S60 | 21. Round Eye Plate |
| 10. S60 Zip Tube Reducer – Short | 22. F52 Wire Guide End Cap |
| 11. RB10 Tube Adaptor S60 | 23. F52 External Weight Bar |
| 12. RB10 Bearing Idler Head S60 | 24. Bubble Seal Strip (Optional) |

PART B – SYSTEM OPTIONS

CONTROL OPTIONS



Crank



Motor

WIRE GUIDE FIXING OPTIONS

FACE FIX



FLOOR FIX



COLOUR RANGE



pure white
069



classic
cream
295



paperbark
425



asteroid
bronze
100



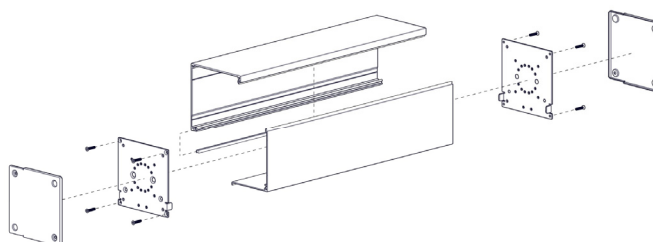
anodised
018



black
050

PART C – ADD-ON SYSTEMS

BOX SQUARE 120



SECTION 2 – SYSTEM SPECIFICATIONS

PART A – GEAR CAPACITY

	Width (m)																
Drop (m)	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
0.5																	
0.6																	
0.7																	
0.8																	
0.9																	
1.0																	
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3.4																	
3.5																	
3.6																	
3.7																	
3.8																	
3.9																	
4.0																	

LEGEND	DESCRIPTION
	60mm Tube [Gear 6:1 & Gear 9:1]
	80mm Tube LIGHT [Gear 6:1 & Gear 9:1]
	80mm Tube HD [Gear 6:1 & Gear 9:1]
	Cannot be achieved - outside product specifications

NOTE: The above chart is based on 573gsm fabric, 0.85mm thick & F52 External Weight Bar | HD

PART B – MOTOR CAPACITY

60mm TUBE

	Width (m)																
Drop (m)	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
0.5																	
0.6																	
0.7																	
0.8																	
0.9																	
1.0																	
1.1																	
1.2																	
1.3																	
1.4																	
1.5																	
1.6																	
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2.7																	
2.8																	
2.9																	
3.0																	
3.1																	
3.2																	
3.3																	
3.4																	
3.5																	
3.6																	
3.7																	
3.8																	
3.9																	
4.0																	

LEGEND	DESCRIPTION
	3 Nm Motor
	6 Nm Motor
	Cannot be achieved - outside product specifications

NOTE: The above chart is based on 573gsm fabric, 0.85mm thick & F52 External Weight Bar | HD

80mm TUBES

	Width (m)																
Drop (m)	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
0.5																	
0.6																	
0.7																	
0.8																	
0.9																	
1.0																	
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1.2																	
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1.9																	
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3.2																	
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3.4																	
3.5																	
3.6																	
3.7																	
3.8																	
3.9																	
4.0																	

LEGEND	DESCRIPTION
	3 Nm Motor
	6 Nm Motor
	6 Nm Motor (80HD Only)
	Cannot be achieved - outside product specifications

NOTE: The above chart is based on 573gsm fabric, 0.85mm thick & F52 External Weight Bar | HD

PART C – WIND SPECIFICATIONS

Drop (m)	Width (m)															
	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.0
0.5																
0.6																
0.7																
0.8																
0.9																
1.0																
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3.1																
3.2																
3.3																
3.4																
3.5																
3.6																
3.7																
3.8																
3.9																
4.0																

NOTE: The above chart is based on theoretical calculations using 40kg wire guide pre-tension

BEAUFORT WIND SCALE

The Beaufort Wind Force Scale estimates wind strength based on the effects wind has on the physical environment

4

20-29km/h

Raises dust and looses paper, small branches are moved.



5

28-37km/h

Small trees in leaf begin to sway; crested wavelets form on inland waters



6

38-48km/h

Large branches in motion; whistling heard in telephone wires; umbrellas used with difficulty



PART D – SYSTEM WEIGHTS

	Width (m)																
Drop (m)	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
0.5	9	10	11	13	14	15	17	18	19	20	22	23	24	25	27	28	
0.6	9	10	11	13	14	15	17	18	19	21	22	23	24	26	27	28	
0.7	9	10	12	13	14	15	17	18	19	21	22	23	25	26	27	28	
0.8	9	10	12	13	14	16	17	18	19	21	22	23	25	26	27	29	
0.9	9	10	12	13	14	16	17	18	20	21	22	24	25	26	28	29	
1.0	9	10	12	13	14	16	17	18	20	21	22	24	25	26	28	29	
1.1	9	11	12	13	15	16	17	19	20	21	23	24	25	27	28		
1.2	9	11	12	13	15	16	17	19	20	21	23	24	25	27	28		
1.3	9	11	12	13	15	16	17	19	20	22	23	24	26	27	28		
1.4	9	11	12	13	15	16	18	19	20	22	23	24	26	27	29		
1.5	9	11	12	14	15	16	18	19	20	22	23	25	26	27	29		
1.6	9	11	12	14	15	16	18	19	21	22	23	25	26	28	29		
1.7	9	11	12	14	15	17	18	19	21	22	24	25	26	28	29		
1.8	10	11	12	14	15	17	18	19	21	22	24	25	27	28	29		
1.9	10	11	12	14	15	17	18	20	21	22	24	25	27	28	30		
2.0	10	11	13	14	15	17	18	20	21	23	24	26	27	28	30		
2.1	10	11	13	14	16	17	18	20	21	23	24	26	27	29	30		
2.2	10	11	13	14	16	17	19	20	21	23	24	26	27	29			
2.3	10	11	13	14	16	17	19	20	22	23	25	26	28	29			
2.4	10	11	13	14	16	17	19	20	22	23	25	26	28	29			
2.5	10	11	13	14	16	17	19	20	22	23	25	26	28	29			
2.6	10	11	13	14	16	18	19	21	22	24	25	27	28	30			
2.7	10	11	13	15	16	18	19	21	22	24	25	27	28	30			
2.8	10	12	13	15	16	18	19	21	22	24	25	27	28	30			
2.9	10	12	13	15	16	18	19	21	22	24	26	27	29	30			
3.0	10	12	13	15	16	18	19	21	23	24	26	27	29	30			
3.1	10	12	13	15	16	18	20	21	23	24	26	27	29	31			
3.2	10	12	13	15	17	18	20	21	23	24	26	28	29	31			
3.3	10	12	13	15	17	18	20	21	23	25	26	28	29	31			
3.4	10	12	14	15	17	18	20	22	23	25	26	28	30	31			
3.5	10	12	14	15	17	18	20	22	23	25	27	28	30	31			
3.6	10	12	14	15	17	19	20	22	23	25	27	28	30				
3.7	10	12	14	15	17	19	20	22	24	25	27	29	30				
3.8	11	12	14	15	17	19	20	22	24	25	27	29	30				
3.9	11	12	14	16	17	19	21	22	24	26	27	29	31				
4.0	11	12	14	16	17	19	21	22	24	26	27	29	31				

LEGEND	DESCRIPTION
	Cannot be achieve - outside product specifications

NOTE:

- Weights based on theoretical calculations - Box 120 system, 573gsm Fabric, F52 External Weight Bar | HD, 80mm Tube & Motor (Without ballast)
- All weights in table above are measure in kilograms (kg)

SECTION 3 – MATERIAL SPECIFICATIONS

PART NUMBER	PRODUCT	MATERIAL	METAL FINISHES
SB01-1340-XXXLLL	Box Square 120 Top & Back	Aluminium	- Anodised 20µm min. Depth - Powder Coat
SB01-1326-XXXLLL	Box Square 120 Cover – V.2	Aluminium	- Anodised 20µm min. Depth - Powder Coat
SB91-0011-XXXLLL	Fabric Brush T – Slot Fit	Polypropylene	N/A
SB02-1201-XXX010	Box Square 120 End Plate Set - Without Ears	Mild Steel, Stainless Steel Screws	-Zinc Plated
SB02-1222-XXX020	Box Square 120 End Plate Cover Set -Metal	Aluminium Sheet	- Anodised 20µm min. Depth - Powder Coat
SB03-1311-XXX120	Box Square 120 Bracket Spacer	Stainless Steel	- Electroplated & Passivate
SB03-1301-XXX060	External Wire Guide Bracket	Stainless Steel	- Electroplated & Passivate
RE24-1306-XXX032	Swageless Top Fix Terminal + Fixings	Stainless Steel	- Polished
RE24-1312- XXX422	Swage Adjustable Terminal	Stainless Steel(cable 1x19)	- Electro Polished
RE24-3401- XXX004	Adjustable Stop	Stainless Steel	- Polished
RE24-1501- XXX000	Turnbuckle Set	Stainless Steel	- Electro Polished
RE24-2203- XXX000	Wall Mounting Bracket	Stainless Steel Plate	- Electro Polished & Passivate
RE24-3001- XXX000	Round Eye Plate	Stainless Steel	- Polished
RB05-4013-XXX001	Gear (Ratio 9:1)	Zinc, Stainless Steel bolts	N/A
RB05-9201-XXX120	Crank Arm Rod – 120cm	Steel	- Zinc Plated - Powder Coated
RB05-9201-XXX160	Crank Arm Rod – 160cm	Steel	- Zinc Plated - Powder Coated
RB56-4013- XXX080	Crank Drive End Cap	Nylon (GF), Stainless Steel Pin	- Polished
RB05-4207-XXX001	Gear - Large (Ratio 6:1)	Aluminium (Zamak)	N/A
RB56-4007-XXX060	Gear Drive End Cap	Nylon (GF), Bright Steel Pin	N/A
RB05-9101-XXX001	Gear Coupling Joint	Steel, Stainless Steel Pin	
RB05-9101-XXX100	Gear Control Arm - 100cm	Aluminium	N/A
RB05-9101-XXX150	Gear Control Arm - 150cm	Aluminium	N/A
RB05-9101-XXX200	Gear Control Arm - 200cm	Aluminium	N/A
RB05-9102-XXX000	Gear Arm Support	Aluminium	N/A
RB56-0762- XXX050	Universal Zamak Adaptor	Aluminium (Zamak), Stainless Steel	N/A
RB56-0236- XXX501	M50 Crown Wheel S60	Thermoprene	N/A
RB56-0105- XXX501	M50 Drive Wheel S60	Nylon (GF)	N/A
RB56-0701- XXX050	M50 Motor Adaptor Set (Round Head)	Mild Steel, Carbon Steel Screws	- Satin
RB56-0711- XXX501	M50 Motor Head Plate (Round Head)	Mild Steel, Carbon Steel Screws	- Zinc Plated
RB10-6220- XXX001 RB10-6220- XXX002	RB10 Pre – Tension Idler Head S60	POM, Nylon (GF), Mild Steel, Spring Steel	Idler Shaft-Zinc plated to 25µm min. & yellow chromate converted Clip – Zinc plated to 8 µm & Clear Trivalent Chromate Conversion Coating Roll Pins – Zinc Plated
RB10-6000-XXX060	RB10 Tube Adaptor · S60 60STD Tube	ABS	N/A

PART NUMBER	PRODUCT	MATERIAL	METAL FINISHES
RB10-6200-XXX001	RB10 Bearing Idler Idler Head S60	Nylon, Nylon (GF), Mild Steel, Spring Steel	Idler Shaft-Zinc plated to 25µm min. & yellow chromate converted Roll Pins – Zinc Plated
RB10-6400-XXX001	RB10 Idler Head Adaptor	Nylon (GF), Stainless Steel Screws	N/A
SB06-1402-XXXLLL	F52 External Weight Bar STD	Aluminium	- Anodised 15µm min. Depth - Powder Coat
SB06-1403-XXXLLL	F52 External Weight Bar HD	Aluminium	- Anodised 15µm min. Depth - Powder Coat
SB07-1412-XXX001	F52 Wire Guide End Cap	Nylon (GF), Stainless Steel Screws	N/A
SB91-0001-XXXLLL	Bubble Seal Strip	PVC	N/A
RB91-0260-XXXLLL	Aluminium Tube S60	Aluminium	- Mill Finish - Anodised 10µm min. Depth
RB93-0282-XXXLLL	Aluminium Tube S60 80LIGHT	Aluminium	- Mill Finish - Anodised 10µm min. Depth
RB91-0280-XXXLLL	Aluminium Tube S60 80HD	Aluminium	- Mill Finish - Anodised 10µm min. Depth
RB92-0902-XXX075	9mm Flat Spline	ASA	N/A
SB11-0815-XXX180	S60 Zip Tube Reducer - Short	Nylon (GF)	N/A

SECTION 4 – WARRANTY

Acmeda provide a 5 year hardware warranty against defects to the original purchaser (the fabricator/manufacturer).

The hardware warranty is not to be transferred to the end consumer.

The hardware warranty is limited to the repair or resupply of defective hardware components to the fabricator/manufacturer only.

The hardware warranty is applicable to normal use. The hardware warranty when applied to external systems assumes the blinds are not used in strong winds/storms and not left down indefinitely.

The hardware warranty is not applicable for coastal applications unless specified in this manual.

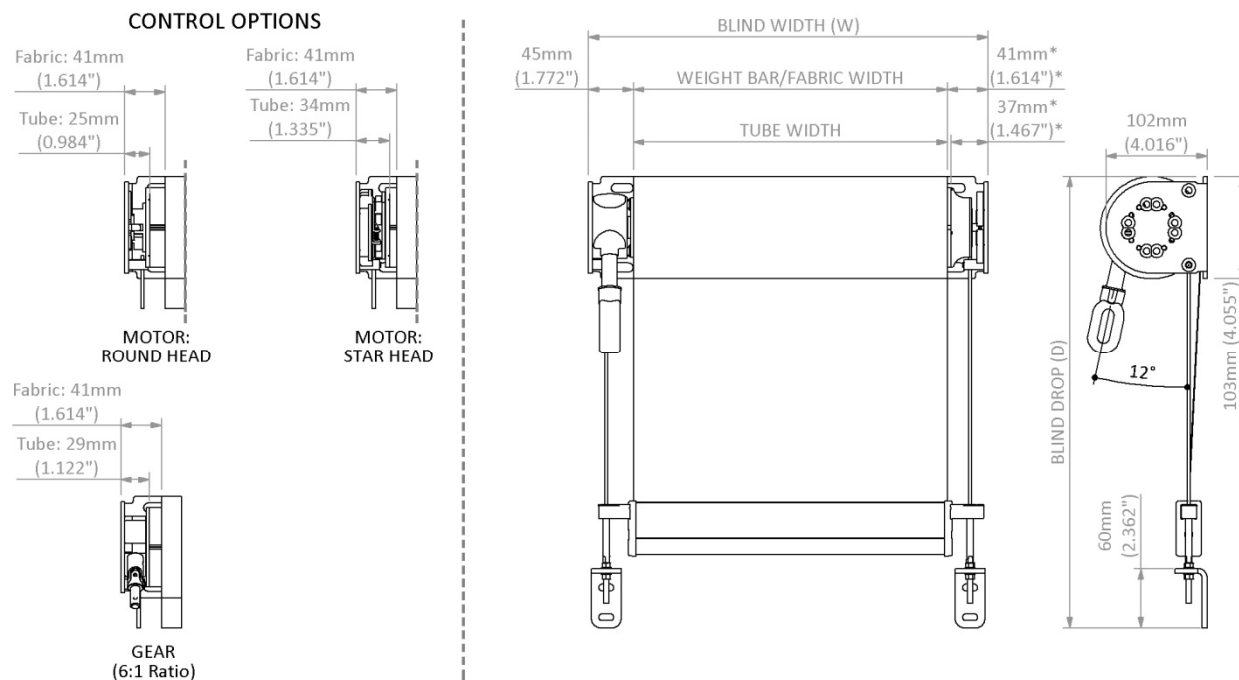
The hardware warranty will not apply where the defect arises due to incorrect assembly and installation.

Retailers are obliged to supply consumers with their own warranty, if required, at the point of purchase.

SECTION 5 – SPECIFICATION IMAGES

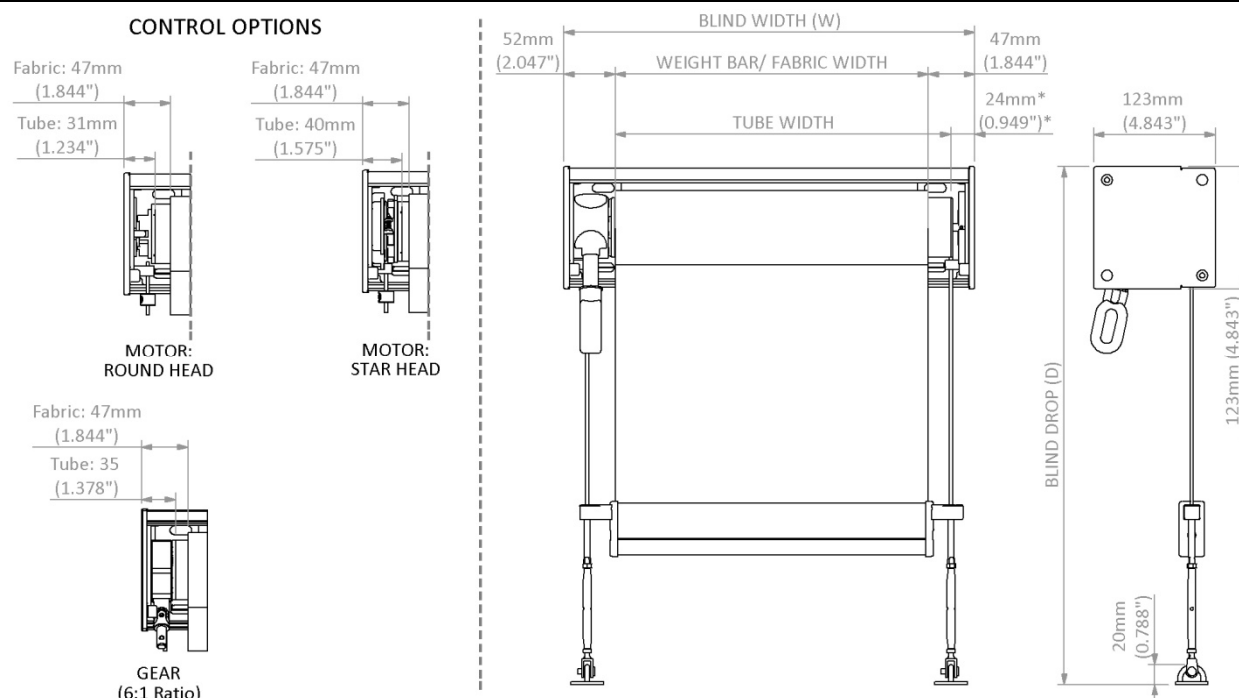
PART A – DEDUCTIONS

60mm Tube - Open Blind System



*Deduction of Tube when using pre-tension idler = 26mm (1.024").

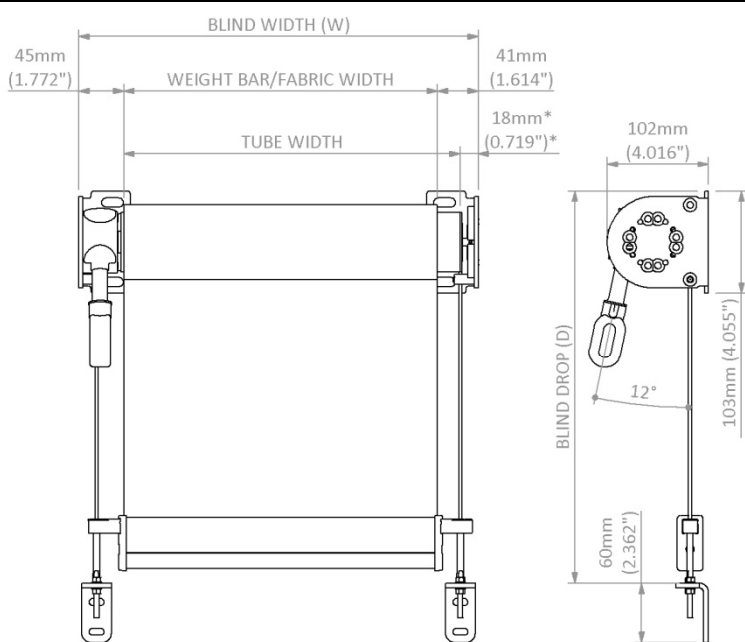
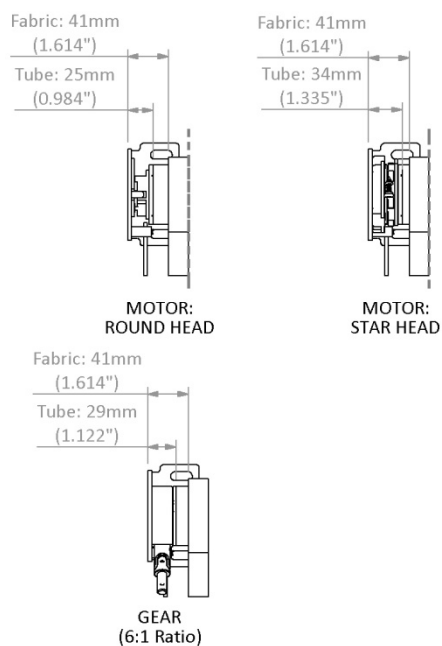
60mm - Box 120 System



* Deduction of Tube when using pre-tension idler = 32mm (1.26").

80mm Tube - Open Blind System

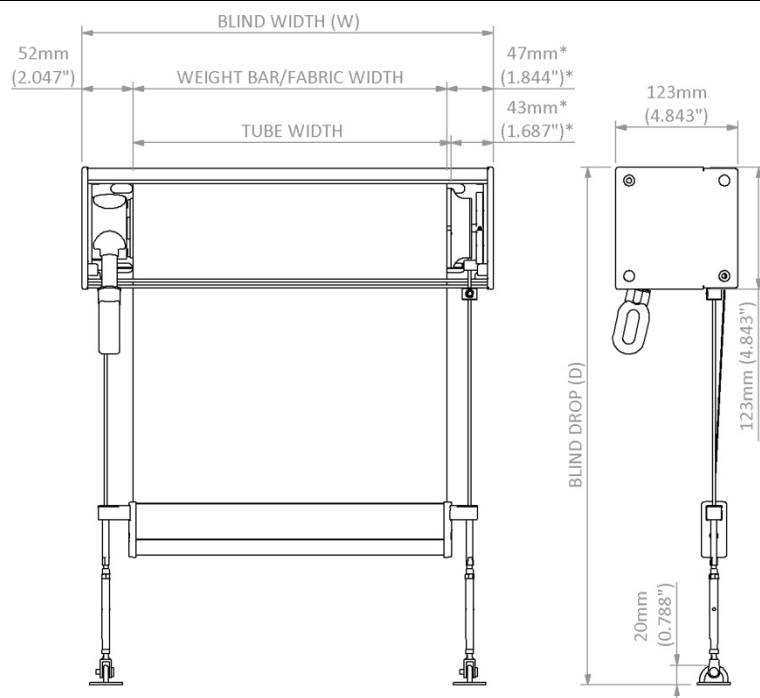
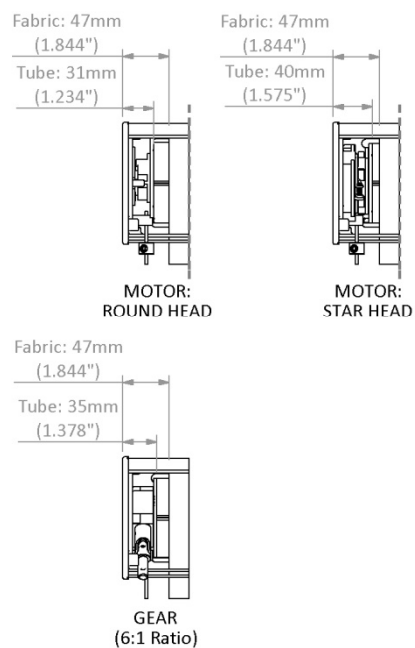
CONTROL OPTIONS



* Deduction of Weight Bar/Fabric & Tube when using pre-tension idler = 45mm (1.772").

80mm - Box 120 System

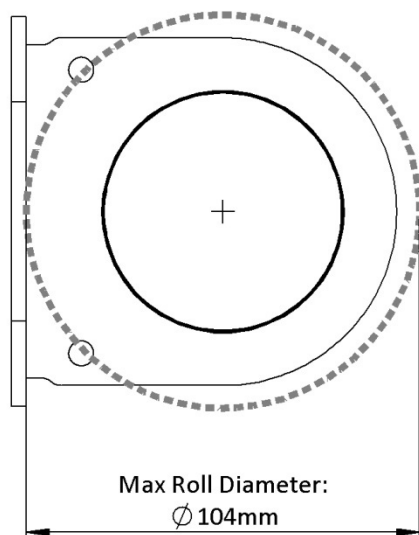
CONTROL OPTIONS



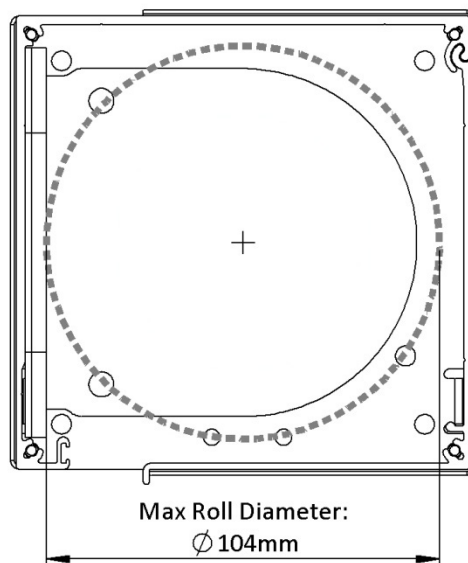
* Deduction of Weight Bar/Fabric & Tube when using pre-tension idler = 51mm (2.008").

PART B – MAXIMUM ROLL DIAMETERS

OPEN BLIND SYSTEM



BOX 120 SYSTEM



MEASURE & SPECIFY GUIDELINES

In order to assist with providing seamless communication between the Specifier, Assembler and Installer Acmeda are providing some guidelines to assist with measuring and specifying the External Wire Guide system in order to:

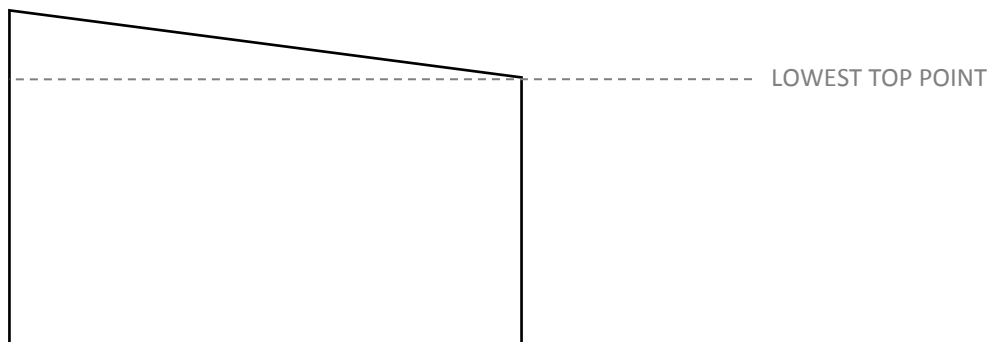
- Identify key information for Assembler and Installer
- Improve efficiency
- Limit the number of re-calls / adjustment required onsite after installation

The suggested 'Actual Blind Sizes' are based on simplifying the Specifiers task 'Actual Blind Widths' could be based on the smallest size - however depending on installation type, packing or onsite adjustments will be required at installation.

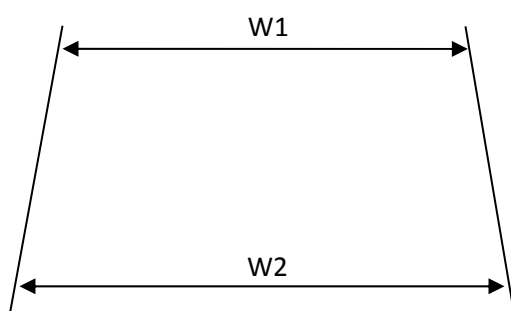
MEASURING TIPS

TIP 1: CHECK TOP OF INSTALLATION SPACE IS LEVEL

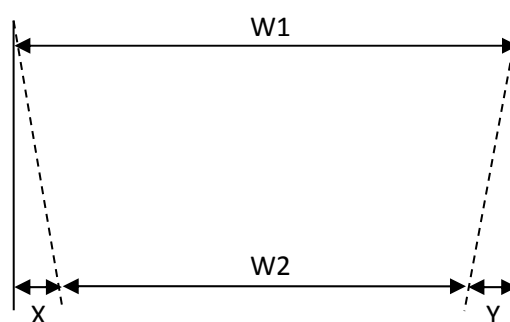
If Top of Installation Space is uneven, ensure 'Top Width' measurement and all 'Drop' measurements are taken from 'Lowest Top Point' (dotted line indicated below)



TIP 2: MEASURE INSTALLATION WIDTHS AT TOP AND BOTTOM



If $W2 > W1$, then Blind Width is equal to $W1$



If $W2 < W1$, see table for limits

Maximum Width Difference		
	Box 120	Open
X	16mm	10mm
Y	16mm	10mm

If X and Y are within limits, then installation can be completed using $W1$ as Blind Width.
If not consider further actions for squaring the installation space (e.g. packing or alternative bracket selection)

TIP 3: WIRE GUIDE SYSTEM

It is recommended to measure and cut all wire guides on site.

CUSTOMER DETAILS	
Customer's Name:	
Job Number:	

INSTALLATION SPACE											
<p>The diagram shows a central rectangle representing the blind. Above it is a dimension line for W1 (Top Width). Below it is a dimension line for W2 (Bottom Width). To its left is a dimension line for D1 (Left Drop). To its right is a dimension line for D2 (Right Drop).</p>	<table border="1"> <tbody> <tr> <td>TOP WIDTH (W1) =</td> <td></td> </tr> <tr> <td>BOTTOM WIDTH (W2) =</td> <td></td> </tr> <tr> <td>LEFT DROP (D1) =</td> <td></td> </tr> <tr> <td>RIGHT DROP (D2) =</td> <td></td> </tr> <tr> <td>Packing Required? Y/N</td> <td></td> </tr> </tbody> </table>	TOP WIDTH (W1) =		BOTTOM WIDTH (W2) =		LEFT DROP (D1) =		RIGHT DROP (D2) =		Packing Required? Y/N	
TOP WIDTH (W1) =											
BOTTOM WIDTH (W2) =											
LEFT DROP (D1) =											
RIGHT DROP (D2) =											
Packing Required? Y/N											

ACTUAL BLIND SIZE	
BLIND WIDTH (mm)	<input type="text"/>
BLIND HEIGHT (mm)	<input type="text"/>

INSTALLATION	
Number of blinds?	<input type="text"/>
Box 120 or Open Blind?	<input type="text"/>
Face or Top fix?	<input type="text"/>
Stand alone or side-by-side blind?	<input type="text"/>
Building material system is being fixed to?	<input type="text"/>
Are there any site access issues?	<input type="text"/>
Do any column trims need removing?	<input type="text"/>
CONTROL TYPE	
Gear (Ratio 9:1)	<input type="text"/>
120mm Arm Length	<input type="text"/>
160mm Arm Length	<input type="text"/>
Gear (Ratio 6:1)	<input type="text"/>
100mm Arm Length	<input type="text"/>
150mm Arm Length	<input type="text"/>
200mm Arm Length	<input type="text"/>
Motor – Star Head	<input type="text"/>
Motor – Automate Motor	<input type="text"/>
CONTROL SIDE	
Left Hand	<input type="text"/>
Right Hand	<input type="text"/>
SYSTEM COLOUR	
<input type="text"/>	
FABRIC TYPE & COLOUR	
<input type="text"/>	

TUBE TYPE	
Aluminium Tube S60 60STD	<input type="text"/>
Aluminium Tube S60 80LIGHT	<input type="text"/>
Aluminium Tube S60 80HD	<input type="text"/>
IDLER TYPE	
Pre – Tension Idler	<input type="text"/>
Bearing Idler	<input type="text"/>
WEIGHT BAR	
F52 External Weight Bar STD	<input type="text"/>
F52 External Weight Bar HD	<input type="text"/>
Bubble Seal Strip	<input type="text"/>
WIRE GUIDE	
Floor Fix: Turnbuckle Set + Round Eye Plate	<input type="text"/>
Face Fix: Wall Mounting Bracket	<input type="text"/>