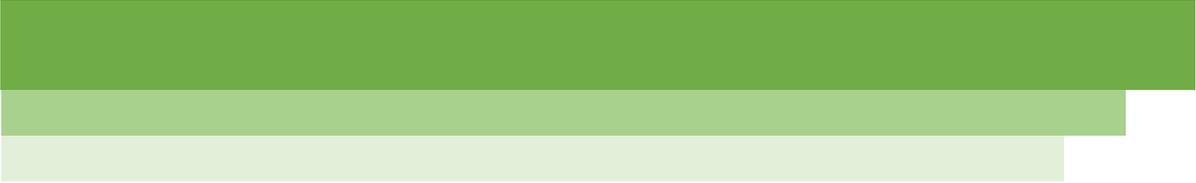


# RB12 AERO - DUAL

# PRODUCT SPECIFICATIONS



April 2017

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April 2017

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## DISCLAIMER

### INTRODUCTION

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

### DISCLAIMER

Rollease Acmeda has used reasonable care in preparing the information included in this document, but makes no representations or warranties as to the completeness or accuracy of the information. Information is supplied upon the condition that the persons receiving the information will make their own determination as to its suitability for their purposes prior to use. Rollease Acmeda assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein. Rollease Acmeda reserves the right to make changes without further notice to any products to improve reliability, function or design.

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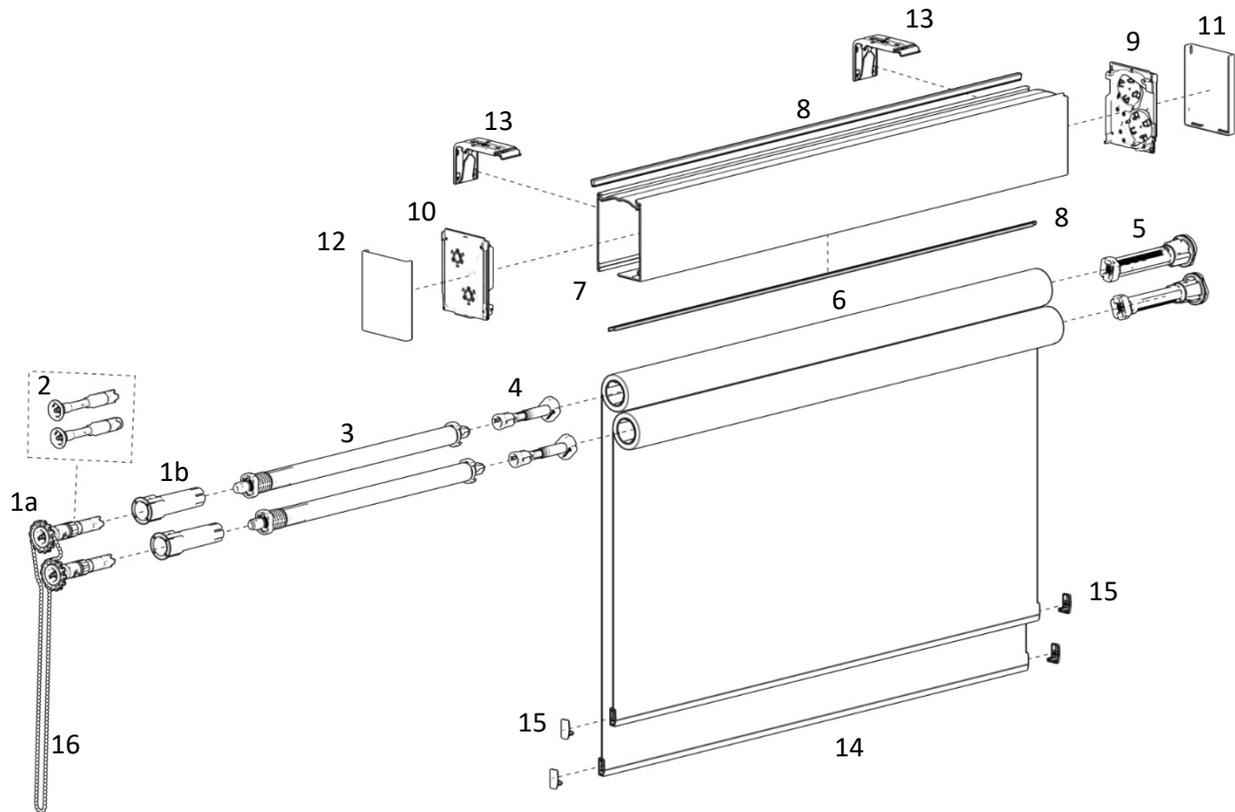
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## SECTION 1 – OVERVIEW

### PART A – GENERAL SCHEMATIC

Our innovative AERO dual roller system, offers a premium aesthetically pleasing and technologically advanced solution. Controlling two shades with either a single chain or independent spring mechanism, raising and lowering shades to your preferred top and bottom locations, with one simple touch.



Note: This configuration is primarily shown throughout manuals; Left handed, Back Roll, Chain Control

#### SYSTEM INDEX

- 1a. Aero Dual Pretension Chain Control
- 1b. Aero Connector - Chain Winder/Booster
2. Aero Dual Pretension Chainfree Control
3. Booster Univ.
4. Aero Decelerator
5. Aero Limiter Idle End
6. S45 Aluminum Tube
7. Aero Dual Cassette (Back, Cover & Top)
8. Fabric Brush – T-slot
9. Aero Dual Cassette Idler Bracket
10. Aero Dual Cassette Chain Control Bracket
11. Aero Dual Cassette Spring/Idler Control Cap
12. Aero Dual Cassette Chain Control Cap
13. Aero Dual Cassette Mounting Clip
14. D30 Medium Alum. Bottom Rail
15. D30 Medium Bottom Rail End Caps
16. Chains & Accessories

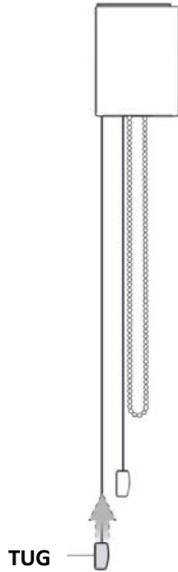
**PART B – SHADE OPERATION**

**BACK SHADE**

**DOWN:**  
**PULL** Back Bottom Rail

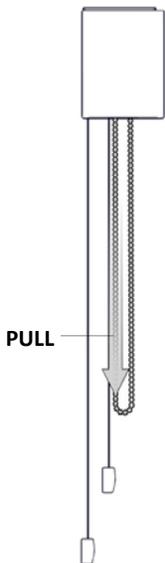


**UP:**  
**TUG** Back Bottom Rail  
(Shade will automatically rise)



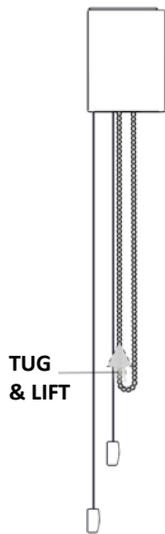
Or

**DOWN:**  
**PULL** Back Chain



Or

**UP:**  
**TUG & LIFT** Back Chain  
(Shade will automatically rise)

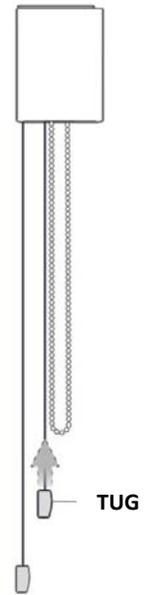


**FRONT SHADE**

**DOWN:**  
**PULL** Front Bottom Rail

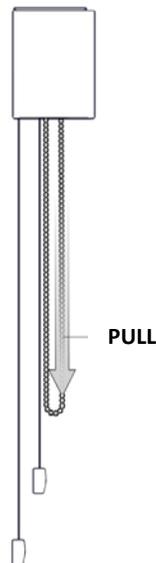


**UP:**  
**TUG** Front Bottom Rail  
(Shade will automatically rise)



Or

**PULL** Front Chain



Or

**TUG & LIFT** Front Chain  
(Shade will automatically rise)



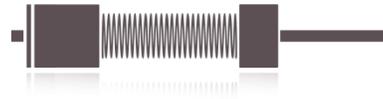
**PART C – SYSTEM OPTIONS**

**CONTROL OPTIONS**

CHAIN



CHAINFREE



**COLOR RANGE**



pure white  
069



silver grey  
338

## SECTION 2 – SYSTEM SPECIFICATIONS

### PART A – SYSTEM CAPACITY

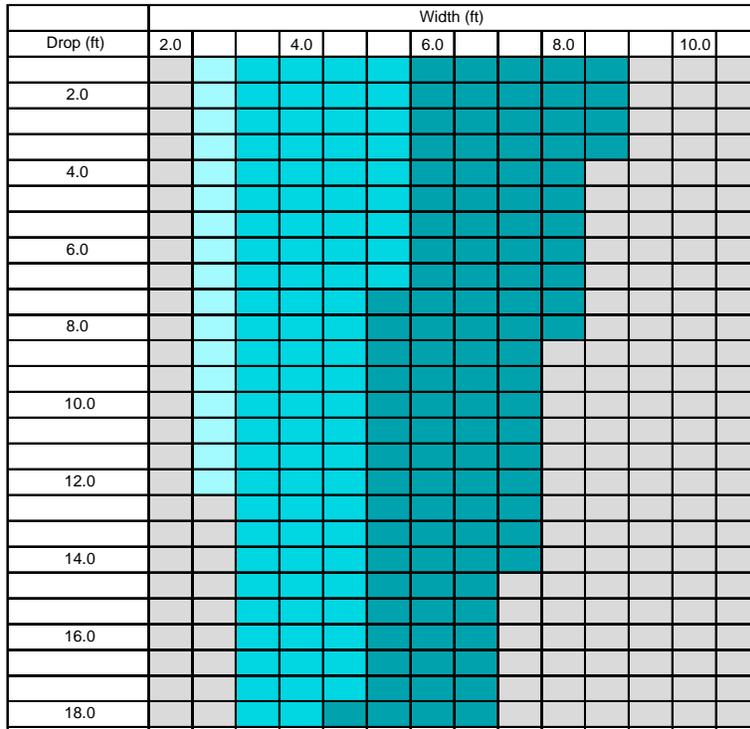
#### D30 Medium Weight Bar (No Ballast) | 17.7 oz/yd<sup>2</sup>

Drop (ft)	Width(ft)									
	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
2.0	Light Blue									
3.0	Light Blue									
4.0	Light Blue									
5.0	Light Blue									
6.0	Light Blue									
7.0	Light Blue									
8.0	Light Blue									
9.0	Light Blue									
10.0	Light Blue									
11.0	Light Blue									
12.0	Light Blue									
13.0	Light Blue									
14.0	Light Blue									
15.0	Light Blue									
16.0	Light Blue									
17.0	Light Blue									
18.0	Light Blue									

LEGEND	DESCRIPTION
Light Blue	S45   All tubes
Medium Blue	S45   STD + HD
Dark Blue	S45   HD
Grey	Cannot be achieved - outside product specifications

**PART B – SPRING CAPACITY**

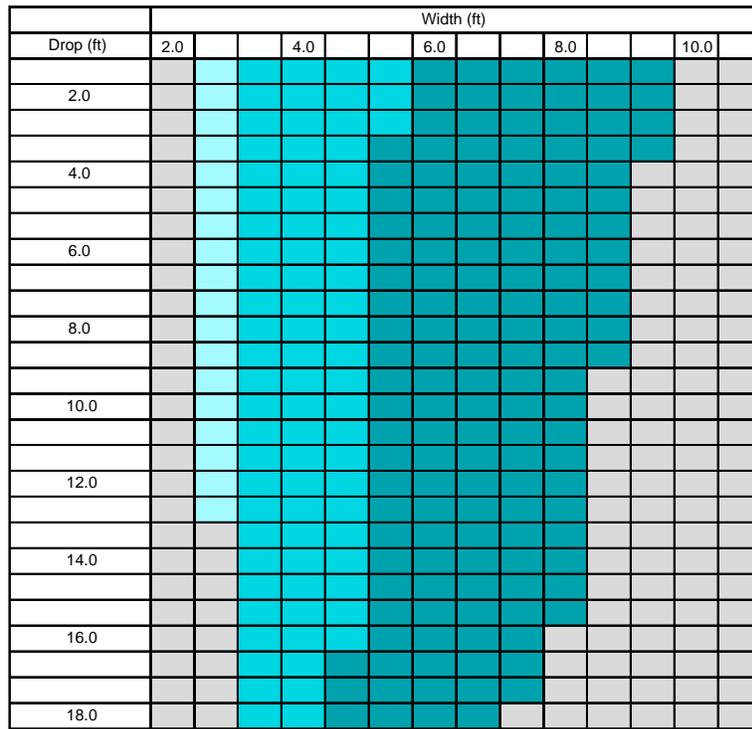
**S45 LT TUBE – D30 Medium Weight Bar (No Ballast) | 17.7 oz/yd<sup>2</sup>**



LEGEND	DESCRIPTION	COLOR
	RB12 S45 Universal Booster - Short	
	RB12 S45 Universal Booster - Light	
	RB12 S45 Universal Booster - Standard	

NOTE: The above charts are indicative only. Due to variances in fabric weights, weight bar weights, addition of ballast and friction the optimum booster will vary shade to shade.

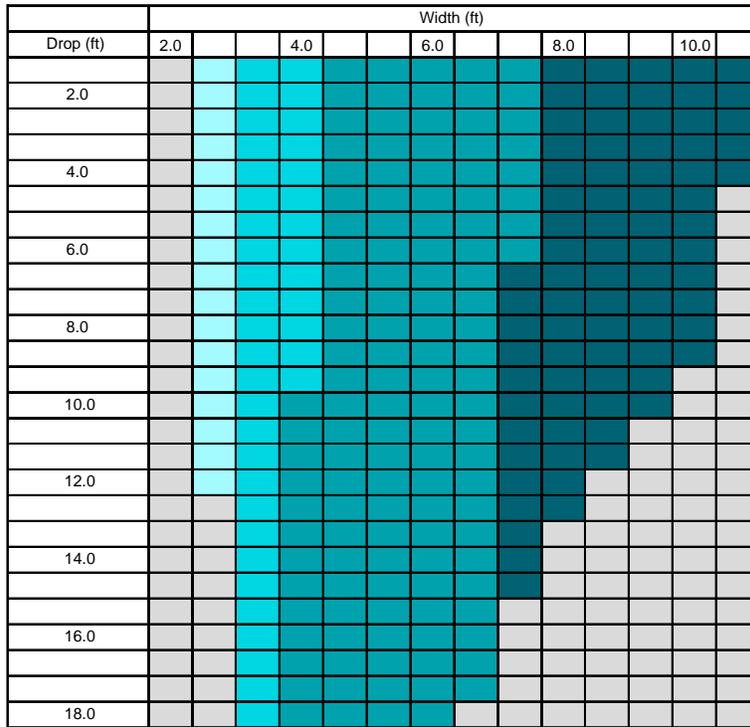
**S45 STD TUBE – D30 Medium Weight Bar (No Ballast) | 17.7 oz/yd<sup>2</sup>**

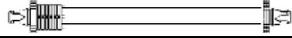


LEGEND	DESCRIPTION	COLOR
Light Blue	RB12 S45 Universal Booster - Short	
Medium Blue	RB12 S45 Universal Booster - Light	
Dark Blue	RB12 S45 Universal Booster - Standard	

NOTE: The above charts are indicative only. Due to variances in fabric weights, weight bar weights, addition of ballast and friction the optimum booster will vary shade to shade.

**S45 HD TUBE – D30 Medium Weight Bar (No Ballast) | 17.7 oz/yd<sup>2</sup>**



LEGEND	DESCRIPTION	COLOR
Light Blue	RB12 S45 Universal Booster - Short	
Light Cyan	RB12 S45 Universal Booster - Light	
Medium Cyan	RB12 S45 Universal Booster - Standard	
Dark Cyan	RB12 S45 Universal Booster - Heavy Duty	

NOTE: The above charts are indicative only. Due to variances in fabric weights, weight bar weights, addition of ballast and friction the optimum number of pre-turns will vary shade to shade.

**PART C – MAXIMUM FABRIC THICKNESS (inch)**

**S45 Tubes - One wrap included**

Drop (ft)	S45 LT	S45 STD	S45 HD
1.6	0.027	0.027	0.027
2.0	0.027	0.027	0.027
2.3	0.027	0.027	0.027
2.6	0.027	0.027	0.027
3.0	0.027	0.027	0.027
3.3	0.027	0.027	0.027
3.6	0.027	0.027	0.027
3.9	0.027	0.027	0.027
4.3	0.027	0.027	0.027
4.6	0.027	0.027	0.027
4.9	0.027	0.027	0.027
5.2	0.027	0.027	0.025
5.6	0.027	0.027	0.024
5.9	0.027	0.027	0.023
6.2	0.027	0.027	0.022
6.6	0.027	0.027	0.021
6.9	0.027	0.026	0.020
7.2	0.026	0.025	0.019
7.5	0.025	0.024	0.018
7.9	0.024	0.023	0.018
8.2	0.023	0.022	0.017
8.5	0.022	0.021	0.016
8.9	0.021	0.021	0.016
9.2	0.021	0.020	0.015
9.5	0.020	0.019	0.015
9.8	0.019	0.019	0.014

**PART D – SYSTEM WEIGHT (LBS)**

**SYSTEM - Dual Cassette, S45 STD Tube, D30 Weight Bar (No Ballast)**

Drop (ft)	Width (ft)												
	2.6	3.3	3.9	4.6	5.2	5.9	6.6	7.2	7.9	8.5	9.2	9.8	10
1.6	13.4	15.4	17.3	19.3	21.3	23.2	25.2	27.2	29.2	31.1	33.1	35.1	37.1
2.0	13.5	15.5	17.5	19.6	21.6	23.6	25.6	27.6	29.6	31.6	33.6	35.6	37.6
2.3	13.7	15.7	17.8	19.8	21.9	23.9	25.9	28.0	30.0	32.1	34.1	36.2	38.2
2.6	13.8	15.9	18.0	20.1	22.1	24.2	26.3	28.4	30.5	32.6	34.6	36.7	38.8
3.0	13.9	16.1	18.2	20.3	22.4	24.6	26.7	28.8	30.9	33.0	35.2	37.3	39.4
3.3	14.1	16.2	18.4	20.6	22.7	24.9	27.0	29.2	31.4	33.5	35.7	37.8	
3.6	14.2	16.4	18.6	20.8	23.0	25.2	27.4	29.6	31.8	34.0	36.2	38.4	
3.9	14.4	16.6	18.8	21.1	23.3	25.5	27.8	30.0	32.2	34.5	36.7	38.9	
4.3	14.5	16.8	19.1	21.3	23.6	25.9	28.1	30.4	32.7	34.9	37.2	39.5	
4.6	14.7	17.0	19.3	21.6	23.9	26.2	28.5	30.8	33.1	35.4	37.7	40.0	
4.9	14.8	17.1	19.5	21.8	24.2	26.5	28.9	31.2	33.5	35.9	38.2	40.6	
5.2	14.9	17.3	19.7	22.1	24.5	26.8	29.2	31.6	34.0	36.4	38.7	41.1	
5.6	15.1	17.5	19.9	22.3	24.8	27.2	29.6	32.0	34.4	36.8	39.3		
5.9	15.2	17.7	20.1	22.6	25.0	27.5	29.9	32.4	34.9	37.3	39.8		
6.2	15.4	17.9	20.3	22.8	25.3	27.8	30.3	32.8	35.3	37.8			
6.6	15.5	18.0	20.6	23.1	25.6	28.1	30.7	33.2	35.7	38.3			
6.9	15.7	18.2	20.8	23.3	25.9	28.5	31.0	33.6	36.2				
7.2		18.4	21.0	23.6	26.2	28.8	31.4	34.0	36.6				
7.5		18.6	21.2	23.9	26.5	29.1	31.8	34.4	37.0				
7.9		18.8	21.4	24.1	26.8	29.5	32.1	34.8	37.5				
8.2		18.9	21.6	24.4	27.1	29.8	32.5	35.2	37.9				
8.5		19.1	21.9	24.6	27.4	30.1	32.9	35.6	38.4				
8.9		19.3	22.1	24.9	27.7	30.4	33.2	36.0					
9.2		19.5	22.3	25.1	27.9	30.8	33.6	36.4					
9.5		19.6	22.5	25.4	28.2	31.1	34.0	36.8					
9.8		19.8	22.7	25.6	28.5	31.4	34.3						

	Cannot be achieved - outside product specifications
--	---

## SECTION 3 – TEST SUMMARY

### TEST – CYCLE

<b>TEST DESCRIPTION:</b>	<b>AERO CHAIN CONTROL</b>	<b>TEST REPORT NUMBER:</b>	TR-2015013
<b>CONTROL:</b>	Chain	<b>Chain length:</b>	2.4m (7.87ft)
<b>CYCLES PASSED:</b>	10,000	<b>TORQUE:</b>	1.5 Nm (1.12 ft-lbs)
<b>TEST DESCRIPTION:</b>	<b>AERO DUAL CASSETTE CHAIN GUIDE</b>	<b>TEST REPORT NUMBER:</b>	TR-2015018
<b>CONTROL:</b>	Chain	<b>Chain length:</b>	1m (3.3 ft)
<b>CYCLES PASSED:</b>	10,000	<b>TORQUE:</b>	0.6Nm (0.44 ft-lbs)
<b>TEST DESCRIPTION:</b>	<b>AERO BOOSTER UNIV.</b>	<b>TEST REPORT NUMBER:</b>	TR-2015011
<b>CONTROL:</b>	Spring	<b>TORQUE:</b>	SHORT 0.46 Nm (0.34 ft-lbs) LIGHT 0.60 Nm (0.44 ft-lbs) STD 1.09 Nm (0.80 ft-lbs) HD 1.77 Nm (1.31 ft-lbs)
<b>CYCLES PASSED:</b>	6,000 (@max drop)		
<b>TEST DESCRIPTION:</b>	<b>AERO PRETENSION</b>	<b>TEST REPORT NUMBER:</b>	TR-2015013
<b>CONTROL:</b>	Spring	<b>Pretension adjustment:</b>	Every 1,000 cycles
<b>CYCLES PASSED:</b>	10,000	<b>TORQUE:</b>	2.4 Nm (1.77 ft-lbs)
<b>TEST DESCRIPTION:</b>	<b>AERO POSITION STOP</b>	<b>TEST REPORT NUMBER:</b>	TR-2015016
<b>CONTROL:</b>	NA	<b>Stop positions:</b>	6
<b>CYCLES PASSED:</b>	10,000	<b>TORQUE:</b>	1.5 Nm (1.11 ft-lbs) (Target 1.2Nm [0.89 ft-lbs])
<b>TEST DESCRIPTION:</b>	<b>AERO LIMITER IDLER END</b>	<b>TEST REPORT NUMBER:</b>	TR-2015014
<b>CONTROL:</b>	NA	<b>Limit:</b>	Top and bottom
<b>CYCLES PASSED:</b>	Bottom 6,000. Top 6,000	<b>TORQUE:</b>	3.5Nm (2.58 ft-lbs)
<b>TEST DESCRIPTION:</b>	<b>FULL SYSTEM</b>	<b>TEST REPORT NUMBER:</b>	TR-2015017
<b>CONTROL:</b>	Chain (STD Spring)	<b>Shade Size:</b>	2.4m x 2.5m Drop
<b>CYCLES PASSED:</b>	5,000	<b>Shade Weight (Inc. Fabric + W/B):</b>	Rear (0.6mm [0.024"]) – 2.536kg (5.59 lbs) Front (0.46mm [0.018"]) – 1.54kg (3.39 lbs)

TEST – PRODUCT EVALUATION (FABRICATION, INSTALLATION, OPERATIONAL)

<b>TEST DESCRIPTION:</b>	DUAL CASSETTE	<b>PRODUCT LOCATION:</b>	R&T
<b>SHADE WIDTH:</b>	1200mm (3.9 ft)	<b>SHADE DROP:</b>	2100mm (6.9 ft)
<b>CONTROL:</b>	Chain (LIGHT Spring)	<b>FABRIC:</b>	VIVID SHADE, 425gsm (17.92 oz.yd <sup>2</sup> ), 0.63 mm thickness (0.02")  FOCUS, 400 gsm, 0.4mm thickness
<b>INSTALLATION:</b>	Wall mount, Cassette		

<b>TEST DESCRIPTION:</b>	DUAL CASSETTE	<b>PRODUCT LOCATION:</b>	R&T
<b>SHADE WIDTH:</b>	1200mm (3.9 ft)	<b>SHADE DROP:</b>	2100mm (6.9 ft)
<b>CONTROL:</b>	Spring (LIGHT Spring)	<b>FABRIC:</b>	VIVID SHADE, 425gsm (17.92 oz.yd <sup>2</sup> ), 0.63mm thickness (0.02")  FOCUS, 400 gsm (16.87 oz.yd <sup>2</sup> ), 0.4mm thickness (0.018")
<b>BRACKET INSTALLATION:</b>	Wall mount, Cassette		

<b>TEST DESCRIPTION:</b>	DUAL CASSETTE	<b>PRODUCT LOCATION:</b>	R&T
<b>SHADE WIDTH:</b>	1500mm (4.9 ft)	<b>SHADE DROP:</b>	2100mm (6.9 ft)
<b>CONTROL:</b>	Spring (STD)	<b>FABRIC:</b>	BALMORAL, 390gsm (16.45 oz.yd <sup>2</sup> ), 0.6mm thickness (0.02")
<b>BRACKET INSTALLATION:</b>	Wall mount, Cassette		

<b>TEST DESCRIPTION:</b>	DUAL CASSETTE	<b>PRODUCT LOCATION:</b>	IDC
<b>SHADE WIDTH:</b>	2400mm (7.9 ft)	<b>SHADE DROP (mm):</b>	2500 (8.2 ft)
<b>CONTROL:</b>	Chain (STD Spring)	<b>FABRIC:</b>	Rear: 330gsm (13.92 oz.yd <sup>2</sup> ) 0.6mm (0.02") Front: 150gsm (6.33 oz.yd <sup>2</sup> ) 0.46mm (0.018")
<b>BRACKET INSTALLATION:</b>	Wall mount, Cassette		

## SECTION 4 – MATERIAL SPECIFICATIONS

PART NO.	PRODUCT	MATERIAL	METAL FINISHES
RB12-0103-xxxLLL	AERO Dual Cassette Top	Aluminum	Mill / Anod (15µm) / PC
RB12-0202-xxxLLL	AERO Dual Cassette Back + Foam Tape	Aluminum	Mill / Anod (15µm) / PC
RB12-0201-xxxLLL	AERO Dual Cassette Cover + Foam Tape	Aluminum	Mill / Anod (15µm) / PC
SB91-0012-050300	Fabric Brush 10mm	PP	-
SB91-0011-050500	Fabric Brush 5mm	PP	-
RB12-2001-xxx000	AERO Dual Cassette Mounting Clip	Mild Steel	Zinc Plated / PC
RB12-3002-xxx140	AERO Dual Pretension Chain Control   LH S45	Nylon - Glass Filled, POM, Mild Steel, Spring Steel,	-
RB12-3002-xxx240	AERO Dual Pretension Chain Control   RH S45		
RB12-5001-xxx040	AERO Dual Pretension Chainfree Control   UNI S45	Nylon - Glass Filled, Mild Steel	-
RB12-6001-xxx145	AERO Limiter Idle End   LH S45	Nylon - Glass Filled, POM, Santoprene, ABS/PC, Mild Steel, Spring Steel, TPV	-
RB12-6002-xxx245	AERO Limiter Idle End   RH S45		
RB12-7101-xxx145	Booster Decelerator   LH S45	Nylon, POM, TPV	-
RB12-7102-xxx245	Booster Decelerator   RH S45		
RB12-1001-xxx140	AERO Dual Cassette Chain Control Bracket - LH	ABS/PC, POM, Silicon, Mild Steel	-
RB12-1001-xxx240	AERO Dual Cassette Chain Control Bracket - RH		
RB12-1201-xxx040	AERO Dual Cassette Control Cap	ABS/PC	-
RB12-1202-xxx040	AERO Dual Cassette Chainfree Control/Idler Cap	ABS/PC	-
RB12-4510-xxx045	AERO Connector S45	ABS/PC	-
RB12-1002-xxx140	AERO Dual Cassette Idler Bracket - LH	ABS/PC, POM, Mild Steel	-
RB12-1002-xxx240	AERO Dual Cassette Idler Bracket - RH		
RB12-1003-xxx140	AERO Dual Cassette Chainfree Control Bracket - LH	ABS/PC, POM, Mild Steel	-
RB12-1003-xxx240	AERO Dual Cassette Chainfree Control Bracket - RH		
RB12-4500-xxx045	Booster Univ.   SHORT	ABS/PC, POM, Nylon, Spring Steel, PVC	-
RB12-4501-xxx045	Booster Univ.   LGT S45		
RB12-4502-xxx045	Booster Univ.   STD S45		
RB12-4503-xxx045	Booster Univ.   HD S45		
RB91-1232-xxxLLL	D30 SILENT Medium Bottom Rail	Aluminum	Mill / Anod (15µm) / PC
RB91-2131-xxx002	D30 Medium Bottom Rail End Caps	POM	-
RB92-1501-001100	15mm Flat Spline	ASA	-
RB92-1502-001075	15mm Flat Spline-D/S TAPE		
RB92-1502-001075	15mm Flat Spline-D/S TAPE B/SIDES		
VB05-0301-xxxLLL	Oval Steel Tiltrod	Mild Steel	-
RB93-0443-xxxLLL	S45 LIGHT T-SPLINE Al. Tube	Aluminum	Mill / Anod (10µm)
RB93-0444-xxxLLL	S45 STD T-SPLINE Al. Tube	Aluminum	Mill / Anod (10µm)
RB93-0449-xxxLLL	S45 HD T-Spline Al. Tube	Aluminum	Mill / Anod (10µm)

PART NO.	PRODUCT	MATERIAL	METAL FINISHES
RB91-1336-xxx000	Chainhold Cover	LDPE, POM	-
RB91-1337-xxx000	Chainhold Base Assembly		
RB91-1338-001110	Chainhold Mounting Kit Clear		
RB92-0404-311215	T-Spline Slide-on	PVC	-

## SECTION 5 – WARRANTY

Rollease Acmeda provide a five (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.

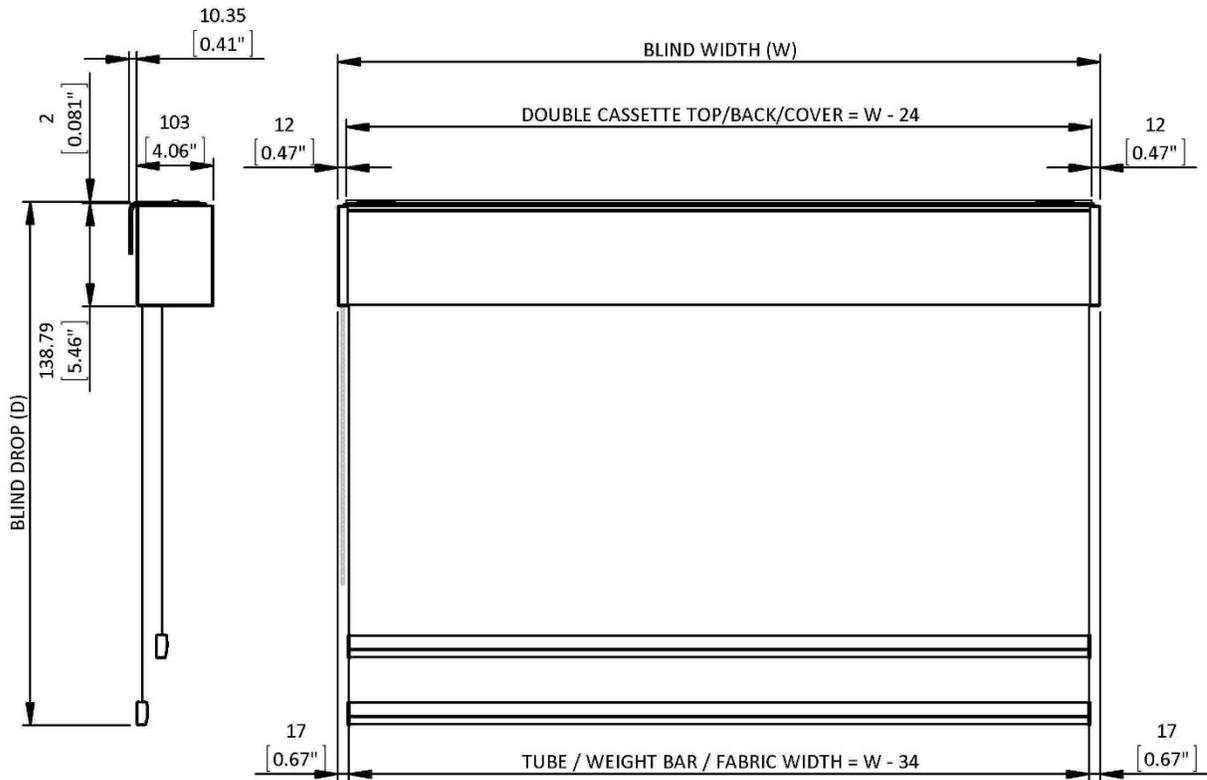
The hardware warranty will not apply where the defect arises due to incorrect assembly and installation.

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

## SECTION 6 – SPECIFICATION IMAGES

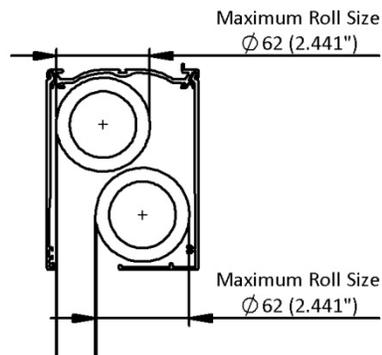
Please contact Rollease Acmeda: [marketing@rolleaseacmeda.com](mailto:marketing@rolleaseacmeda.com) to request electronic copies of the file listed below.

### PART A – DEDUCTIONS



Filename: RB12 Aero\_PM\_Deductions

### PART B – ROLL DETAILS

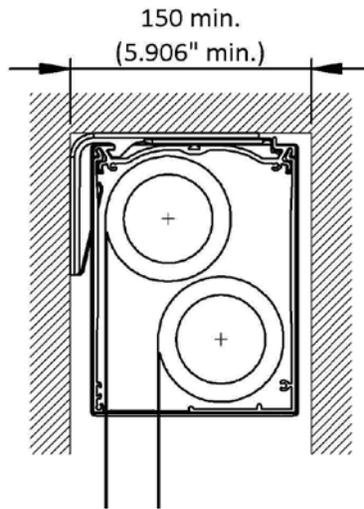


Both Shades are Back Roll

NOTE: Front Roll applications can be achieved, however there is limited functionality when installing; the Cassette Cover cannot be removed. Refer to Installation Manual, Section 3, Part C for further details

Filename: RB12 Aero\_PM\_Roll Details

**PART C – MINIMUM POCKET WIDTH**



Minimum Pocket determined to allow sufficient space to swing Cassette / Shade onto Mounting Clip

Filename: RB12 OT\_PM\_Minimum Pocket

**PART D – MOUNTING CLIP REQUIREMENTS**



Shade Width (ft)	No. Of Brackets
0 - 3.90	2
3.91 – 6.52	3
6.53 – 9.15	4
9.16 +	5