



# Easy Spring Air

## **ASSEMBLY MANUAL**

v1.1 | February 2025



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## DISCLAIMER

### INTRODUCTION

This Assembly manual for Easy Spring Air System has been produced by Rollease Acmeda to supply the necessary information for the safe and correct assembly of Easy Spring Air System.

### DISCLAIMER

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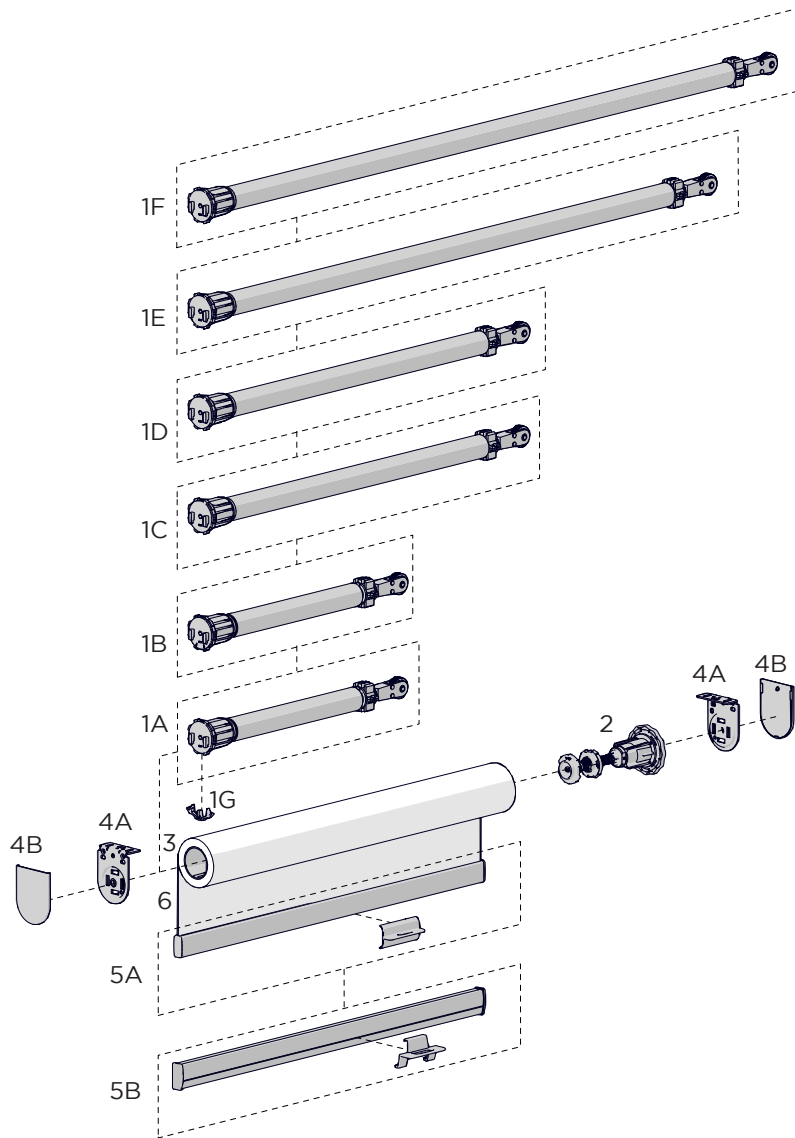
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**OVERVIEW**

GENERAL SCHEMATIC



SYSTEM INDEX:

**1. CONTROL:**

- A - Easy Spring Air Micro
- B - Easy Spring Air Mini
- C - Easy Spring Air Small
- D - Easy Spring Air Light
- E - Easy Spring Air Medium
- F - Easy Spring Air Heavy
- G - Tension Lock

**2. LIMITER:**

- Limiter: Single Stop | Universal
- HD Pin End *(Only for 2" Tube)*

**3. ALUMINIUM TUBE:**

- 1.5"
- 2" *(Use 2" Adapter & HD Pin End)*

**4. BRACKETS:**

- A - Bracket: Skyline LX
- B - Bracket Cover: LX

**5. WEIGHT BAR:**

- A - Fabric Wrap + Handle
- B - D30 Bottom Rail + Handle

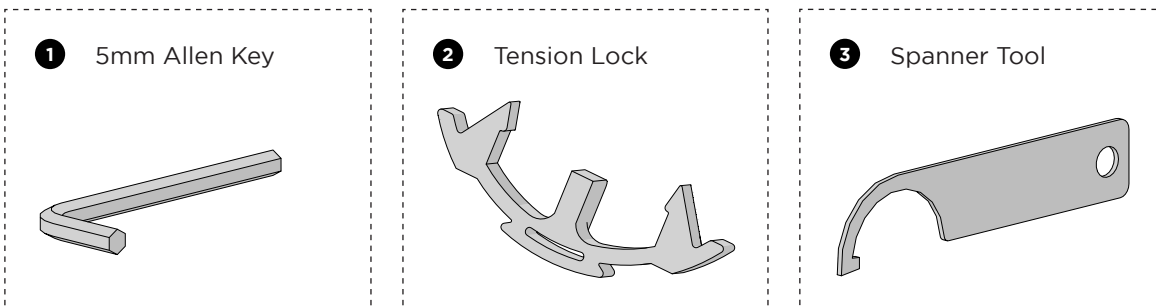
**6. FABRIC:**

- *See Textstyle*

**7. 2" TUBE ADAPTER SET**

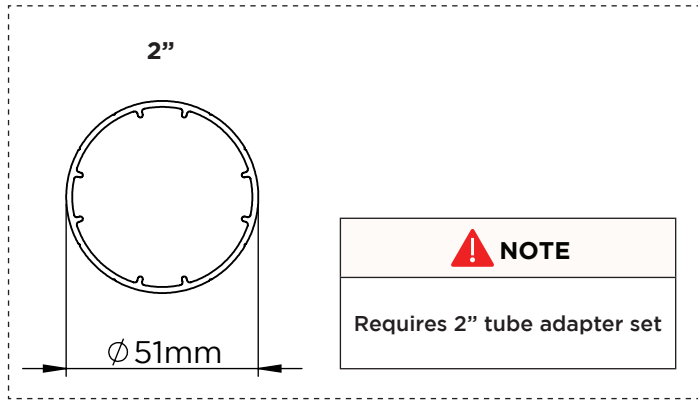
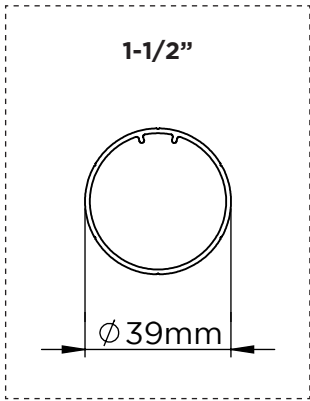
- *(optional - not shown)*

TOOLS REQUIRED

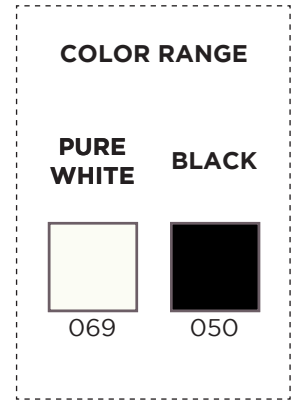


**SYSTEM OPTIONS**

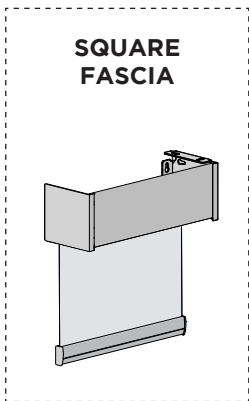
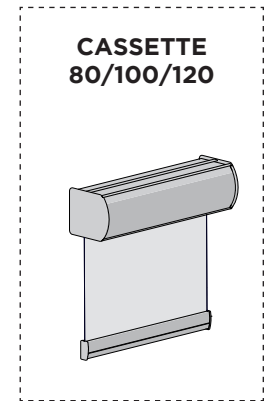
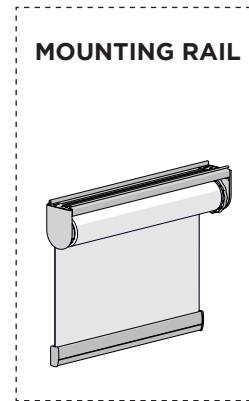
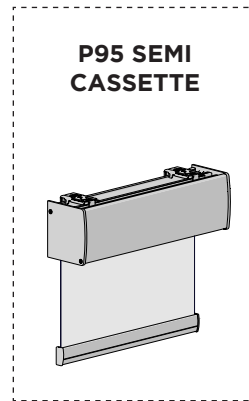
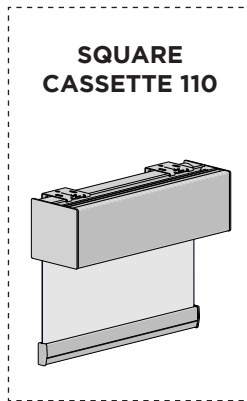
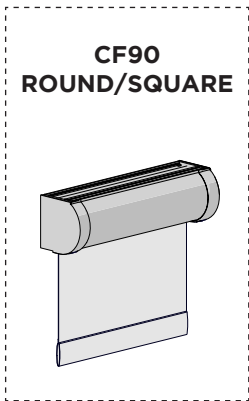
TUBE OPTIONS



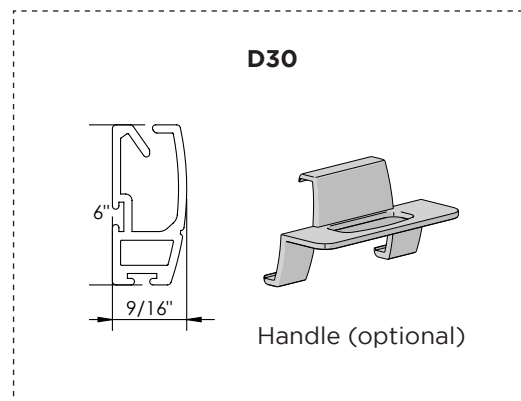
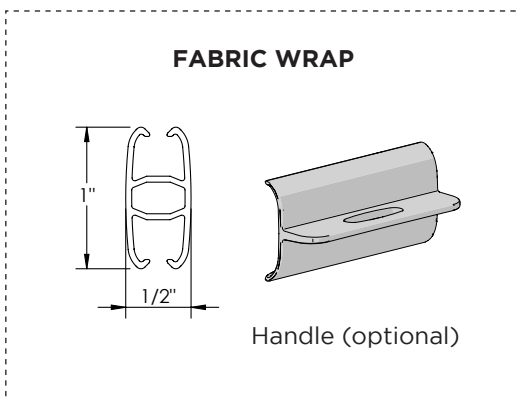
SYSTEM



SYSTEM UPGRADE OPTIONS



WEIGHTBAR & HANDLE OPTIONS



**BOM & CUTTING LIST**

PART NUMBER	DESCRIPTION	U.O.M	QTY	DEDUCTION
-------------	-------------	-------	-----	-----------

OPEN*/CASSETTE 110 LX SKYLINE BRACKET		
STD PIN END	HD PIN END	LIMITER (For 1.5" only)

INSTALL	OPEN BLIND	SL01-0306-xxx040	LX Skyline Bracket	Piece	2			
		RB08-4151-xxx040	LX Bracket Covers	Set	1			
	CASSETTE 110	SB20-0504-xxxLLL	Medium Square Cassette Headrail	Piece	1		W - 5mm [0.197"] (If using covers)	
		SL01-0306-xxx040	LX Skyline Bracket	Piece	2			
		SB20-0503-xxx000	End Cap - Medium Square Cassette	Set	1			

CONTROL OPTIONS	BOOSTER	RB12-3828-xxx038	Easy Spring Air - MICRO w Adjust - 1.5" LH	Piece	1			
		RB12-3831-xxx038	Easy Spring Air - MINI w Adjust - 1.5" LH					
		RB12-3829-xxx038	Easy Spring Air - SMALL w Adjust - 1.5" LH					
		RB12-3832-xxx038	Easy Spring Air - LIGHT w Adjust - 1.5" LH					
		RB12-3833-xxx038	Easy Spring Air - MED w Adjust - 1.5" LH					
		RB12-3834-xxx038	Easy Spring Air - HEAVY w Adjust - 1.5" LH					
	LIMITER/IDLER	RS01-0107-xxx050	Easy Spring Air Adapter kit, 2"	Piece	0 or 1			
		RB12-6101-xxx038	Limiter - Single Stop   Universal 1.5"	Piece	1			
		RB12-6102-xxx038	Limiter - Single Stop   Universal Short 1.5"					
		SLPEHD53xx	Skyline Heavy Duty Pin End 1-1/2"					
RA2xx	Adapter 2" (For Pin End only)	Piece	0 or 1					

BOTTOM RAIL	RB91-1236-xxxLLL	Fabric Wrap Bottom Rail	mm [inch]	1	W - 25mm [0.98"]	W - 27mm [1.06"]	W - 32mm [1.26"]
	RB91-1232-xxxLLL	D30 SILENT Medium Bottom Rail					
	RB91-2332-001000	D30 Bottom Rail Handle	Piece	1			
	RB91-2136-xxx000	FW Bottom Rail End Caps	Set	1			
	RB91-2131-xxx002	D30 Medium Bottom Rail End Caps LH & RH					
	RB92-150x-001LLL	15mm Flat Spline	mm [inch]	1	W - 25mm [0.98"]	W - 27mm [1.06"]	W - 32mm [1.26"]
	RB92-0903-001075	ACM Flat Spline - 9mm					
	SS91-5350-069000	Smooth Round Spline 5.0mm					
	RB91-2336-001000	Fabric Wrap Hem Bar Handle	Piece	1			
	RB91-2536-069000	Bottom Rail Handle Pull Hook	Piece	1			
	VB05-0301-xxxLLL	Base Rail Weight Rod	mm [inch]	1	Refer to the calculator		

TOOLS / ACCESSORIES	RB12-3836-025000	Easy Spring Air - PreTension Tool (Hex)	Piece	1			
	RB12-3835-503038	Easy Spring Air - Tension Lock	Piece	1			
	RB12-3837-025000	Easy Spring Air - Spanner Tool	Piece	1			

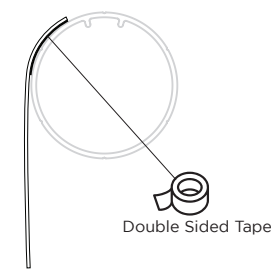
TUBE	RTEA4Txx	Rollease Tube + M/P Tape   1.5"	mm [inch]	1	W - 25mm [0.98"]	W - 27mm [1.06"]	W - 32mm [1.26"]
	RTEA5Txx	Rollease Tube + M/P Tape   2"					

FABRIC	See Textstyle	Fabric Width	mm [inch]	1	W - 25mm [0.98"]	W - 27mm [1.06"]	W - 32mm [1.26"]
		Fabric Drop					

\*No Covers - If covers required add an extra 2mm [0.08"] to deduction, ie. (W-32mm [1.26"]) = [ W-(32mm [1.26"])+2mm [0.08"]) = W-34mm [1.34"]

FABRIC PREPARATION

**1** Attach fabric onto tube if using double sided tape

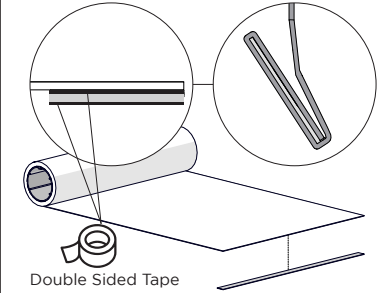


Double Sided Tape

**NOTE**

Minimum 2 full wraps of fabric on the tube

**2** Secure spline for weightbar



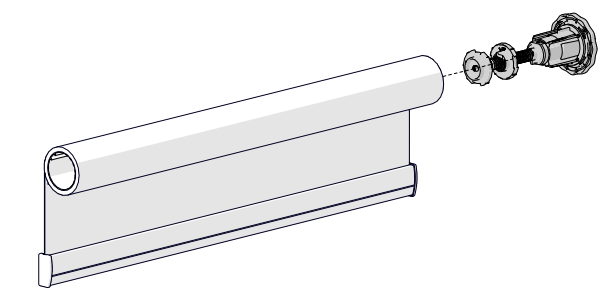
Double Sided Tape

**NOTE**

Use staples when using one wrap on the spline

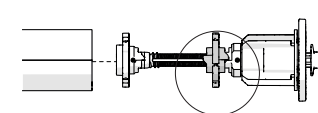
IDLER ASSEMBLY

**1** Insert limiter into tube (use HD Pin End with 2" Tube)



**Left Hand Control**

**CONFIGURATION CHECK**



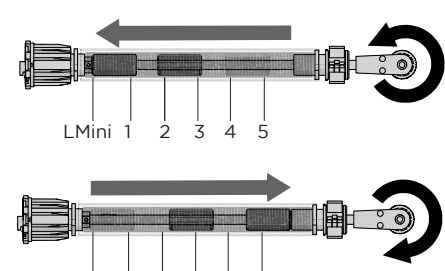
CONTROL ASSEMBLY

**1** Set the spring size by rotating the booster wheel to move the slider. Align left edge of the slider to the appropriate spring size.

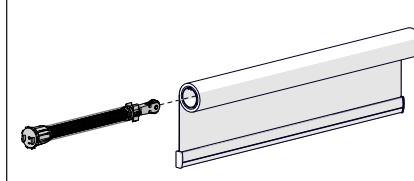
**NOTE**

Illuminate the back of the booster will make it easier to locate the slider position.

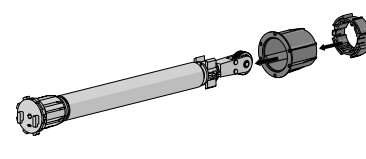
Use spring calculator/charts to find out the size of your spring.



**2** For 1.5" tube, align and insert the booster into the shade



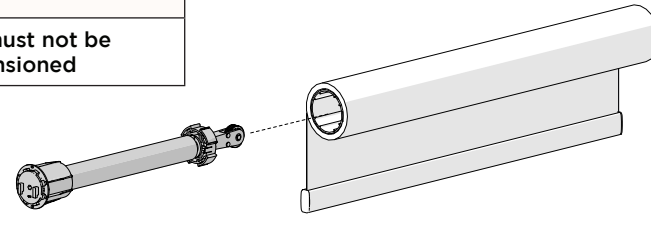
**3a** For 2" tube, align and insert the 2" adaptor into the booster.



**3b** Insert the booster into the shade.

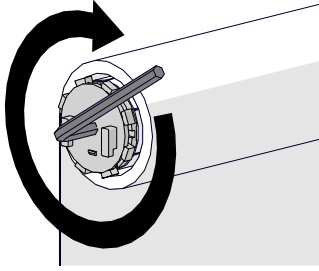
**NOTE**

Booster must not be pre-tensioned



## PRE-TENSIONING

- 1 Rotate spring control using allen key

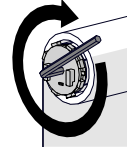


**! PRE-TURNS CHECK**

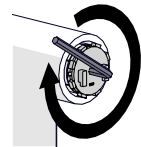
Use the spring calculator or spring capacity chart to find out the number of pre-turns required.

**! DIRECTION OF PRE-TURNS CHECK**

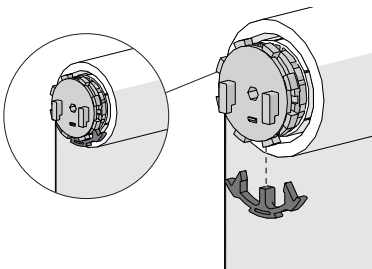
**LH Back Roll**  
Clockwise



**RH Front Roll**  
Clockwise



- 2 Attach Tension Lock





**SPRING CAPACITY CHART | 420GSM | 1.5" TUBE**

420gsm | 1.5" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 7	13 / 10	13 / 12	12 / 14	10 / 14	8 / 14	7 / 14	6 / 13	24 / 14	22 / 14	20 / 14	18 / 14	17 / 14	16 / 14	24
	0.80	5 / 7	13 / 10	13 / 13	11 / 14	9 / 14	8 / 14	7 / 14	6 / 14	23 / 14	21 / 14	19 / 14	18 / 14	16 / 14	29 / 14	31
	1.00	5 / 7	13 / 10	13 / 13	11 / 14	9 / 14	8 / 15	7 / 15	25 / 14	23 / 14	21 / 15	19 / 14	17 / 14	16 / 14	28 / 14	39
	1.20	5 / 6	13 / 10	13 / 14	11 / 15	9 / 15	8 / 15	7 / 15	25 / 15	22 / 15	20 / 15	19 / 15	17 / 15	16 / 15	28 / 15	47
	1.40	5 / 6	13 / 11	13 / 14	11 / 15	9 / 15	8 / 16	25 / 14	25 / 15	22 / 15	20 / 15	18 / 15	17 / 15	29 / 15	27 / 15	55
	1.60	5 / 6	13 / 11	13 / 15	11 / 16	9 / 16	7 / 14	25 / 14	24 / 15	22 / 16	20 / 16	18 / 16	16 / 15	29 / 16	27 / 15	63
	1.80	5 / 6	13 / 11	13 / 16	11 / 17	9 / 17	25 / 13	25 / 15	24 / 16	21 / 16	19 / 16	18 / 16	16 / 16	28 / 16	26 / 16	71
	2.00	5 / 6	13 / 12	13 / 16	10 / 16	9 / 17	25 / 13	25 / 15	23 / 16	21 / 16	19 / 16	17 / 16	16 / 16	28 / 16	26 / 16	79
	2.20	5 / 6	13 / 12	13 / 17	10 / 16	25 / 11	25 / 14	25 / 16	23 / 17	21 / 17	19 / 17	17 / 17	16 / 17	28 / 17	26 / 17	87
	2.40	5 / 6	13 / 12	13 / 18	10 / 17	25 / 12	25 / 14	25 / 17	23 / 17	20 / 17	18 / 17	17 / 17	29 / 17	27 / 17	25 / 17	94
	2.60	5 / 6	13 / 13	12 / 17	10 / 18	25 / 12	25 / 15	25 / 18	22 / 17	20 / 18	18 / 17	17 / 18	29 / 18	26 / 17	25 / 18	102
	2.80		13 / 13	12 / 18	25 / 10	25 / 13	25 / 15	25 / 18	22 / 18	20 / 18	18 / 18	16 / 18	28 / 18	26 / 18	24 / 18	110
	3.00		13 / 14	12 / 18	25 / 10	25 / 13	25 / 16	24 / 18	20 / 17	19 / 18	18 / 19	29 / 18	28 / 19	24 / 17	22 / 16	118
			16	24	31	39	47	55	63	71	79	87	94	102	110	118

**CONTROL**

MINI	
LIGHT	
MEDIUM	
HEAVY	
<b>OUTSIDE SPECIFICATIONS</b>	

1.5" TUBE CAPACITY: - - - - -

**PARAMETERS**

FABRIC DENSITY: 420gsm  
 FABRIC THICKNESS: 0.5mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 1.5"  
 x / x : POSITION / PRE-TURNS


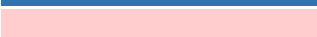





**SPRING CAPACITY CHART | 350GSM | 1.5" TUBE**

350gsm | 1.5" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	4 / 16	11 / 15	8 / 15	7 / 16	12 / 15	10 / 15	9 / 16	8 / 16	7 / 15	6 / 15	24 / 15	22 / 15	21 / 16	19 / 15	24
	0.80	4 / 16	11 / 15	8 / 15	6 / 15	12 / 16	10 / 16	9 / 16	8 / 16	7 / 16	25 / 15	24 / 16	22 / 16	20 / 15	19 / 16	31
	1.00	4 / 17	11 / 16	8 / 16	6 / 15	11 / 15	10 / 16	9 / 17	7 / 15	7 / 16	25 / 15	23 / 16	21 / 15	20 / 16	19 / 16	39
	1.20	4 / 17	11 / 16	8 / 16	6 / 16	11 / 16	10 / 17	8 / 15	7 / 15	7 / 17	25 / 16	23 / 16	21 / 16	20 / 16	18 / 16	47
	1.40	4 / 18	11 / 17	8 / 17	6 / 16	11 / 16	9 / 16	8 / 16	25 / 13	25 / 15	25 / 17	23 / 17	21 / 16	19 / 16	18 / 16	55
	1.60	4 / 18	10 / 16	8 / 17	13 / 16	11 / 17	9 / 16	8 / 16	25 / 14	25 / 15	24 / 16	22 / 16	21 / 17	19 / 17	18 / 17	63
	1.80	4 / 19	10 / 17	8 / 18	13 / 17	11 / 17	9 / 17	25 / 12	25 / 14	25 / 16	24 / 17	22 / 17	20 / 17	19 / 17	18 / 18	71
	2.00	4 / 20	10 / 17	7 / 16	13 / 17	11 / 18	9 / 17	25 / 13	25 / 15	25 / 17	24 / 18	22 / 18	20 / 17	19 / 18	17 / 17	79
	2.20		10 / 18	13 / 14	13 / 18	11 / 19	9 / 18	25 / 13	25 / 15	25 / 17	23 / 17	21 / 17	20 / 18	18 / 17	17 / 18	87
	2.40		10 / 18	13 / 14	13 / 19	10 / 17	25 / 11	25 / 13	25 / 16	25 / 18	23 / 18	21 / 18	20 / 19	18 / 18	17 / 18	94
	2.60		10 / 19	13 / 15	13 / 19	10 / 18	25 / 12	25 / 14	25 / 16	25 / 18	23 / 19	20 / 18	19 / 18	18 / 19	17 / 19	102
	2.80		10 / 20	13 / 15	12 / 18	25 / 10	25 / 12	25 / 14	25 / 17	25 / 19	23 / 19	20 / 18	19 / 19	18 / 19	29 / 17	110
	3.00		10 / 21	13 / 16	12 / 19	25 / 10	25 / 12	25 / 15	25 / 17	25 / 20	20 / 17	20 / 19	19 / 20	29 / 17	28 / 17	118
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	in

**CONTROL**

MICRO	
SMALL	
LIGHT	
MEDIUM	
HEAVY	
<b>OUTSIDE SPECIFICATIONS</b>	

**PARAMETERS**

FABRIC DENSITY: 350gsm  
 FABRIC THICKNESS: 0.38mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 1.5"  
 x / x : POSITION / PRE-TURNS

**1.5" TUBE CAPACITY** - - - - -

**SPRING CAPACITY CHART | 220GSM | 1.5" TUBE**

220gsm | 1.5" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 18	5 / 25	4 / 27	13 / 25	11 / 26	9 / 25	8 / 26	7 / 26	13 / 24	13 / 26	12 / 27	11 / 27	10 / 26	9 / 26	24
	0.80	5 / 18	5 / 26	4 / 28	13 / 26	11 / 27	9 / 26	8 / 27	13 / 23	13 / 25	12 / 26	11 / 26	10 / 25	10 / 27	9 / 27	31
	1.00	5 / 19	5 / 27	13 / 22	13 / 28	10 / 26	9 / 27	13 / 21	13 / 24	13 / 26	12 / 27	11 / 27	10 / 26	9 / 26	25 / 19	39
	1.20	5 / 19	4 / 23	13 / 23	12 / 27	10 / 27	9 / 28	13 / 22	13 / 25	13 / 27	12 / 28	11 / 28	10 / 28	25 / 18	25 / 20	47
	1.40	5 / 20	4 / 24	13 / 24	12 / 28	10 / 28	13 / 20	13 / 23	13 / 25	13 / 28	11 / 27	10 / 26	25 / 18	25 / 19	25 / 20	55
	1.60	5 / 20	13 / 18	13 / 25	12 / 29	10 / 29	13 / 20	13 / 23	13 / 26	12 / 27	11 / 28	25 / 17	25 / 18	25 / 20	25 / 21	63
	1.80	5 / 21	13 / 19	13 / 26	11 / 28	13 / 18	13 / 21	13 / 24	13 / 28	12 / 28	25 / 16	25 / 17	25 / 19	25 / 20	25 / 22	71
	2.00	4 / 17	13 / 20	13 / 27	11 / 29	13 / 18	13 / 22	13 / 25	13 / 29	11 / 27	25 / 16	25 / 18	25 / 19	25 / 21	25 / 22	79
	2.20	4 / 18	13 / 20	13 / 28	11 / 30	13 / 19	13 / 23	13 / 26	12 / 27	25 / 15	25 / 16	25 / 18	25 / 20	25 / 21	25 / 23	87
	2.40	4 / 18	13 / 21	13 / 29	13 / 16	13 / 20	13 / 23	13 / 27	25 / 13	25 / 15	25 / 17	25 / 19	25 / 20	25 / 22	25 / 24	94
	2.60		13 / 22	13 / 30	13 / 16	13 / 20	13 / 24	11 / 24	25 / 13	25 / 15	25 / 17	25 / 19	25 / 21	25 / 23	25 / 25	102
	2.80		13 / 22	13 / 31	13 / 17	13 / 21	13 / 25	25 / 12	25 / 14	25 / 16	25 / 18	25 / 20	25 / 22	25 / 24	25 / 26	110
	3.00		13 / 23	13 / 32	13 / 17	13 / 22	11 / 22	25 / 12	25 / 14	25 / 16	25 / 18	25 / 20	25 / 23	25 / 25	20 / 21	118
			16	24	31	39	47	55	63	71	79	87	94	102	110	118

**CONTROL**

MICRO	
SMALL	
LIGHT	
MEDIUM	
HEAVY	
<b>OUTSIDE SPECIFICATIONS</b>	

**PARAMETERS**

FABRIC DENSITY: 220gsm  
 FABRIC THICKNESS: 0.55mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 1.5"  
 x / x : POSITION / PRE-TURNS

**1.5" TUBE CAPACITY** - - - - -

**SPRING CAPACITY CHART | 155GSM | 1.5" TUBE**

155gsm | 1.5" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 16	5 / 23	5 / 30	4 / 30	13 / 27	13 / 31	11 / 31	10 / 32	9 / 32	13 / 24	13 / 26	13 / 28	13 / 30	13 / 32	24
	0.80	5 / 16	5 / 23	4 / 25	13 / 24	13 / 28	13 / 32	11 / 31	10 / 32	9 / 33	13 / 24	13 / 26	13 / 29	13 / 31	13 / 33	31
	1.00	5 / 16	5 / 24	4 / 26	13 / 24	13 / 28	13 / 33	11 / 32	10 / 33	13 / 23	13 / 25	13 / 27	13 / 29	13 / 31	12 / 31	39
	1.20	5 / 16	5 / 24	13 / 20	13 / 24	13 / 29	12 / 31	11 / 33	13 / 21	13 / 23	13 / 25	13 / 28	13 / 30	13 / 32	12 / 32	47
	1.40	5 / 16	4 / 20	13 / 20	13 / 25	13 / 30	12 / 32	11 / 34	13 / 21	13 / 23	13 / 26	13 / 28	13 / 30	13 / 33	11 / 30	55
	1.60	5 / 16	4 / 20	13 / 20	13 / 25	13 / 30	12 / 33	11 / 35	13 / 21	13 / 24	13 / 26	13 / 29	13 / 31	11 / 29	25 / 17	63
	1.80	5 / 16	4 / 20	13 / 20	13 / 26	13 / 31	12 / 34	13 / 19	13 / 22	13 / 24	13 / 27	13 / 29	12 / 29	25 / 16	25 / 17	71
	2.00	5 / 16	13 / 15	13 / 20	13 / 26	13 / 32	12 / 35	13 / 19	13 / 22	13 / 25	13 / 27	12 / 28	25 / 14	25 / 16	25 / 17	79
	2.20	5 / 17	13 / 15	13 / 21	13 / 27	13 / 33	13 / 17	13 / 19	13 / 22	13 / 25	12 / 26	25 / 13	25 / 14	25 / 16	25 / 17	87
	2.40	5 / 17	13 / 15	13 / 21	13 / 27	13 / 33	13 / 17	13 / 20	13 / 23	13 / 26	25 / 12	25 / 13	25 / 15	25 / 16	25 / 17	94
	2.60	4 / 13	13 / 15	13 / 21	13 / 28	13 / 34	13 / 17	13 / 20	13 / 23	12 / 24	25 / 12	25 / 13	25 / 15	25 / 16	25 / 18	102
	2.80	4 / 13	13 / 15	13 / 22	13 / 29	13 / 14	13 / 17	13 / 20	13 / 24	25 / 10	25 / 12	25 / 13	25 / 15	25 / 16	25 / 18	110
3.00	4 / 13	13 / 15	13 / 22	13 / 29	13 / 14	13 / 17	13 / 21	11 / 20	25 / 10	25 / 12	25 / 13	25 / 15	25 / 16	25 / 18	118	
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	in

**CONTROL**

<b>MICRO</b>	
<b>SMALL</b>	
<b>LIGHT</b>	
<b>MEDIUM</b>	
<b>OUTSIDE SPECIFICATIONS</b>	

1.5" TUBE CAPACITY: - - - - -

**PARAMETERS**


FABRIC DENSITY: 155gsm  
 FABRIC THICKNESS: 0.3mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 1.5"  
 x / x : POSITION / PRE-TURNS

**SPRING CAPACITY CHART | 420GSM | 2" TUBE**

420gsm | 2" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 9	11 / 11	8 / 11	6 / 11	22 / 11	19 / 11	16 / 11	27 / 11	24 / 11	22 / 11	20 / 11	19 / 11	17 / 11	16 / 11	24
	0.80	5 / 9	11 / 11	8 / 11	6 / 11	22 / 11	19 / 11	16 / 11	27 / 11	24 / 11	22 / 11	20 / 11	19 / 11	17 / 11	16 / 11	31
	1.00	5 / 9	11 / 12	8 / 12	6 / 11	21 / 11	18 / 11	16 / 11	27 / 11	24 / 11	22 / 11	20 / 11	18 / 11	17 / 11	16 / 11	39
	1.20	5 / 9	11 / 12	8 / 12	6 / 11	21 / 11	18 / 11	16 / 12	26 / 11	24 / 12	22 / 12	20 / 12	18 / 11	17 / 12	15 / 11	47
	1.40	5 / 9	10 / 11	8 / 12	6 / 12	21 / 12	18 / 12	29 / 11	26 / 12	24 / 12	21 / 11	20 / 12	18 / 12	17 / 12	15 / 11	55
	1.60	5 / 9	10 / 12	8 / 12	25 / 12	21 / 12	18 / 12	29 / 12	26 / 12	23 / 12	21 / 12	19 / 12	18 / 12	16 / 12	15 / 12	63
	1.80	5 / 9	10 / 12	7 / 11	25 / 12	21 / 12	18 / 12	29 / 12	26 / 12	23 / 12	20 / 12	19 / 12	17 / 12	16 / 12	15 / 12	71
	2.00	5 / 9	10 / 12	7 / 12	25 / 13	20 / 12	17 / 12	28 / 12	25 / 12	22 / 12	20 / 12	19 / 12	17 / 12	16 / 12	15 / 12	79
	2.20	5 / 9	10 / 13	7 / 12	24 / 12	20 / 12	17 / 12	28 / 12	25 / 12	22 / 12	20 / 12	19 / 13	17 / 12	16 / 13	15 / 13	87
	2.40	5 / 9	10 / 13	7 / 12	24 / 13	20 / 13	17 / 13	28 / 13	25 / 13	22 / 13	20 / 13	19 / 13	17 / 13	16 / 13	15 / 13	94
	2.60	5 / 9	10 / 13		24 / 13	20 / 13	17 / 13	28 / 13	24 / 13	22 / 13	20 / 13	18 / 13	17 / 13	15 / 12	15 / 13	102
	2.80		10 / 14		24 / 14	20 / 14	17 / 14	28 / 13	24 / 13	22 / 13	20 / 13	18 / 13	17 / 13	15 / 13		110
3.00		9 / 13		23 / 13	19 / 13	17 / 14	27 / 13	24 / 13	22 / 14	20 / 14	18 / 13	17 / 14			118	
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	<i>in</i>

<b>CONTROL</b>		<b>PARAMETERS</b>
MINI		FABRIC DENSITY: 420gsm
LIGHT		FABRIC THICKNESS: 0.5mm
MEDIUM		WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)
HEAVY		TUBE: 2"
<b>OUTSIDE SPECIFICATIONS</b>		x / x : POSITION / PRE-TURNS

**SPRING CAPACITY CHART | 350GSM | 2" TUBE**

350gsm | 2" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 8	13 / 12	10 / 12	8 / 12	6 / 12	23 / 12	20 / 12	18 / 12	16 / 12	27 / 12	25 / 12	23 / 12	21 / 12	20 / 12	24
	0.80	5 / 8	13 / 12	10 / 12	8 / 13	6 / 12	23 / 12	20 / 12	18 / 13	16 / 12	27 / 12	24 / 12	22 / 12	21 / 12	20 / 12	31
	1.00	5 / 8	13 / 12	10 / 13	8 / 13	6 / 12	22 / 12	20 / 13	17 / 12	29 / 12	26 / 12	24 / 12	22 / 12	20 / 12	19 / 12	39
	1.20	5 / 8	13 / 13	9 / 12	7 / 12	6 / 12	22 / 12	19 / 12	17 / 12	29 / 12	26 / 12	24 / 12	22 / 12	20 / 12	19 / 12	47
	1.40	5 / 8	13 / 13	9 / 12	7 / 12	6 / 12	22 / 13	19 / 13	17 / 13	29 / 13	26 / 13	24 / 13	22 / 13	20 / 12	19 / 13	55
	1.60	5 / 8	13 / 13	9 / 12	7 / 12	25 / 13	22 / 13	19 / 13	17 / 13	28 / 13	26 / 13	24 / 13	22 / 13	20 / 13	19 / 13	63
	1.80	5 / 8	13 / 13	9 / 13	7 / 12	25 / 13	22 / 13	19 / 13	17 / 13	28 / 13	26 / 13	24 / 13	22 / 13	20 / 13	19 / 13	71
	2.00	5 / 8	13 / 14	9 / 13	7 / 13	25 / 13	21 / 13	19 / 13	17 / 13	28 / 13	26 / 13	23 / 13	22 / 13	20 / 13	19 / 13	79
	2.20	5 / 8	12 / 13	9 / 13	7 / 13	25 / 13	21 / 13	19 / 14	16 / 13	28 / 13	25 / 13	23 / 13	21 / 13	20 / 13	18 / 13	87
	2.40	5 / 8	12 / 13	9 / 13	25 / 11	25 / 14	21 / 13	18 / 13	16 / 13	28 / 14	25 / 13	23 / 14	21 / 13	20 / 14	18 / 13	94
	2.60	5 / 8	12 / 13	9 / 14	25 / 11	25 / 14	21 / 14	18 / 14	16 / 14	28 / 14	25 / 14	22 / 13	21 / 14	19 / 13	18 / 14	102
	2.80	5 / 8	12 / 14	9 / 14	25 / 12	24 / 14	21 / 14	18 / 14	16 / 14	27 / 14	24 / 13	22 / 13	20 / 13	19 / 14	18 / 14	110
3.00		12 / 14	9 / 15	25 / 12	24 / 14	21 / 15	18 / 14	16 / 14	27 / 14	24 / 14	22 / 14	20 / 14	19 / 14	18 / 14	118	
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	<i>in</i>

**CONTROL**

<b>MINI</b>	
<b>LIGHT</b>	
<b>MEDIUM</b>	
<b>HEAVY</b>	
<b>OUTSIDE SPECIFICATIONS</b>	

**PARAMETERS**



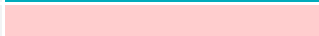
FABRIC DENSITY: 350gsm  
 FABRIC THICKNESS: 0.38mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 2"  
 x / x : POSITION / PRE-TURNS

**SPRING CAPACITY CHART | 220GSM | 2" TUBE**

220gsm | 2" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	4 / 19	11 / 18	8 / 18	6 / 17	12 / 18	10 / 18	9 / 19	8 / 19	7 / 18	25 / 18	24 / 18	22 / 18	20 / 18	19 / 18	24
	0.80	4 / 19	11 / 18	8 / 18	6 / 18	11 / 18	10 / 19	9 / 19	7 / 17	7 / 19	25 / 18	23 / 18	21 / 18	20 / 18	18 / 18	31
	1.00	4 / 20	11 / 19	8 / 19	6 / 18	11 / 18	10 / 19	8 / 18	7 / 18	7 / 19	25 / 18	23 / 18	21 / 18	20 / 19	18 / 18	39
	1.20	4 / 20	11 / 19	8 / 19	6 / 18	11 / 18	9 / 18	8 / 18	7 / 18	25 / 17	25 / 19	23 / 19	21 / 19	19 / 18	18 / 19	47
	1.40	4 / 21	10 / 18	8 / 20	13 / 18	11 / 19	9 / 18	8 / 19	25 / 16	25 / 18	24 / 19	22 / 19	21 / 19	19 / 19	18 / 19	55
	1.60	4 / 21	10 / 19	8 / 20	13 / 19	11 / 19	9 / 19	8 / 19	25 / 16	25 / 18	24 / 19	22 / 19	20 / 19	19 / 19	17 / 19	63
	1.80	4 / 22	10 / 19	7 / 18	13 / 19	11 / 20	9 / 19	8 / 20	25 / 17	25 / 19	24 / 20	22 / 20	20 / 19	19 / 20	17 / 19	71
	2.00	4 / 23	10 / 20	7 / 19	13 / 20	11 / 20	9 / 20	25 / 15	25 / 17	25 / 19	23 / 19	21 / 19	20 / 20	18 / 19	17 / 20	79
	2.20		10 / 20	13 / 16	13 / 20	10 / 19	9 / 20	25 / 15	25 / 17	25 / 20	23 / 20	21 / 20	20 / 20	18 / 20	17 / 20	87
	2.40		10 / 21	13 / 17	13 / 21	10 / 20	9 / 21	25 / 16	25 / 18	25 / 20	23 / 20	21 / 20	19 / 20	18 / 20	17 / 21	94
	2.60		10 / 21	13 / 17	12 / 20	10 / 20	25 / 14	25 / 16	25 / 18	25 / 21	23 / 21	20 / 20	19 / 20	18 / 21	16 / 20	102
	2.80	5 / 6	13 / 12	13 / 17	12 / 20	10 / 21	25 / 14	25 / 16	25 / 19	25 / 21	22 / 21	20 / 20	19 / 21	17 / 20	16 / 21	110
3.00	5 / 6	13 / 13	13 / 18	12 / 21	25 / 12	25 / 14	25 / 17	25 / 19	24 / 21	20 / 19	20 / 21	19 / 22	17 / 21	29 / 20	118	
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	in

<b>CONTROL</b>	
MICRO	
MINI	
SMALL	
LIGHT	
MEDIUM	
HEAVY	
<b>OUTSIDE SPECIFICATIONS</b>	

<b>PARAMETERS</b>
FABRIC DENSITY: 220gsm
FABRIC THICKNESS: 0.55mm
WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)
TUBE: 2"
x / x : POSITION / PRE-TURNS

**SPRING CAPACITY CHART | 155GSM | 2" TUBE**

155gsm | 2" Tube

		WIDTH														
m		0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	
<b>DROP</b>	0.60	5 / 21	4 / 24	12 / 23	9 / 22	8 / 23	6 / 21	12 / 22	11 / 22	10 / 23	9 / 23	8 / 22	7 / 21	25 / 20	25 / 21	24
	0.80	5 / 21	4 / 25	12 / 23	9 / 22	7 / 21	6 / 22	12 / 22	11 / 23	10 / 23	9 / 23	8 / 22	25 / 19	25 / 20	25 / 21	31
	1.00	5 / 21	4 / 25	11 / 22	9 / 23	7 / 22	13 / 21	12 / 22	11 / 23	9 / 21	9 / 23	8 / 23	25 / 19	25 / 20	25 / 22	39
	1.20	5 / 21	4 / 26	11 / 22	9 / 23	7 / 22	13 / 21	12 / 23	11 / 23	9 / 22	9 / 24	25 / 18	25 / 19	25 / 21	25 / 22	47
	1.40	5 / 22	4 / 26	11 / 22	9 / 23	7 / 22	13 / 22	12 / 23	11 / 24	9 / 22	9 / 24	25 / 18	25 / 19	25 / 21	25 / 22	55
	1.60	5 / 22	13 / 20	11 / 23	9 / 24	13 / 19	13 / 22	12 / 23	10 / 22	9 / 22	25 / 17	25 / 18	25 / 20	25 / 21	25 / 23	63
	1.80	5 / 22	13 / 20	11 / 23	9 / 24	13 / 19	13 / 22	12 / 24	10 / 22	9 / 23	25 / 17	25 / 18	25 / 20	25 / 21	25 / 23	71
	2.00	5 / 23	13 / 21	11 / 23	9 / 24	13 / 19	13 / 23	12 / 24	10 / 23	25 / 15	25 / 17	25 / 18	25 / 20	25 / 22	25 / 23	79
	2.20	4 / 18	13 / 21	11 / 24	9 / 25	13 / 20	13 / 23	11 / 23	10 / 23	25 / 15	25 / 17	25 / 19	25 / 20	25 / 22	25 / 24	87
	2.40	4 / 19	13 / 21	11 / 24	13 / 16	13 / 20	13 / 23	11 / 23	25 / 14	25 / 15	25 / 17	25 / 19	25 / 21	25 / 22	25 / 24	94
	2.60	4 / 19	13 / 21	11 / 25	13 / 16	13 / 20	13 / 24	11 / 23	25 / 14	25 / 16	25 / 17	25 / 19	25 / 21	25 / 23	25 / 25	102
	2.80		13 / 22	11 / 25	13 / 16	13 / 20	13 / 24	11 / 24	25 / 14	25 / 16	25 / 17	25 / 19	25 / 21	25 / 23	24 / 24	110
3.00		13 / 22	11 / 26	13 / 17	13 / 21	13 / 25	25 / 12	25 / 14	25 / 16	25 / 18	25 / 20	25 / 22	25 / 23	24 / 24	118	
		16	24	31	39	47	55	63	71	79	87	94	102	110	118	in

**CONTROL**

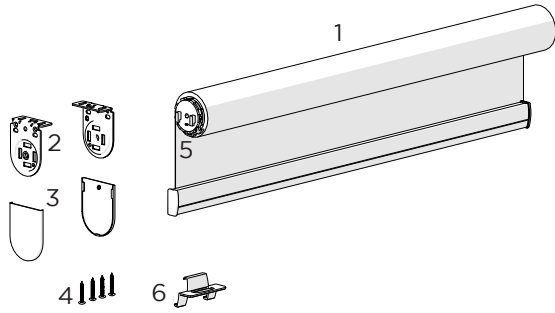
<b>MICRO</b>	
<b>SMALL</b>	
<b>LIGHT</b>	
<b>MEDIUM</b>	
<b>OUTSIDE SPECIFICATIONS</b>	

**PARAMETERS**

FABRIC DENSITY: 155gsm  
 FABRIC THICKNESS: 0.3mm  
 WEIGHT BAR: D30 Medium Bottom Rail + Ballast = 350grams/m (0.235 lbs/foot)  
 TUBE: 2"  
 x / x : POSITION / PRE-TURNS

## OPEN SYSTEM

### Open Roll Brackets



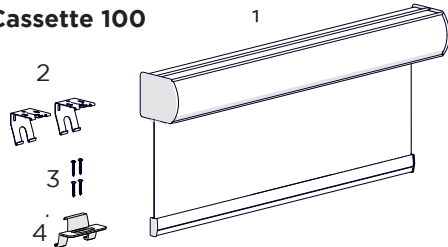
1. Shade Assembly x 1
2. Bracket Covers Set x 1:
3. Mounting Bracket Set x 1
4. Screws x 4
5. Tension Lock
6. D30 handle (loose)

**NOTE**

The Tension Lock must be removed before the shade is operated.

## CASSETTE SYSTEM

### Cassette 100

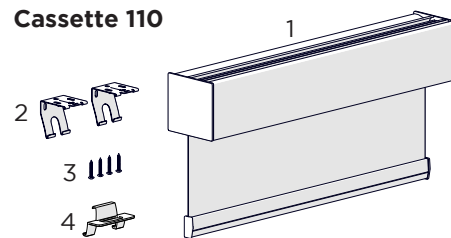


1. Shade Assembly
2. Mounting Brackets (as required)
3. Appropriate Fasteners (as required)
4. D30 handle (loose)

**NOTE**

The clip must be removed after installation.

### Cassette 110



1. Shade Assembly
2. Mounting Brackets (as required)
3. Appropriate Screws (as required)
4. D30 handle (loose)

**NOTE**

The clip must be removed before the shade is operated.