



SL15 & SL20 SPRING ASSIST BOOSTER

ASSEMBLY MANUAL

v1.1 | July 2025

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DISCLAIMER

INTRODUCTION

This Assembly manual has been produced by Rollease Acmeda to supply the necessary information for the safe and correct assembly of SL15 & SL20 Spring Assist Booster.

DISCLAIMER

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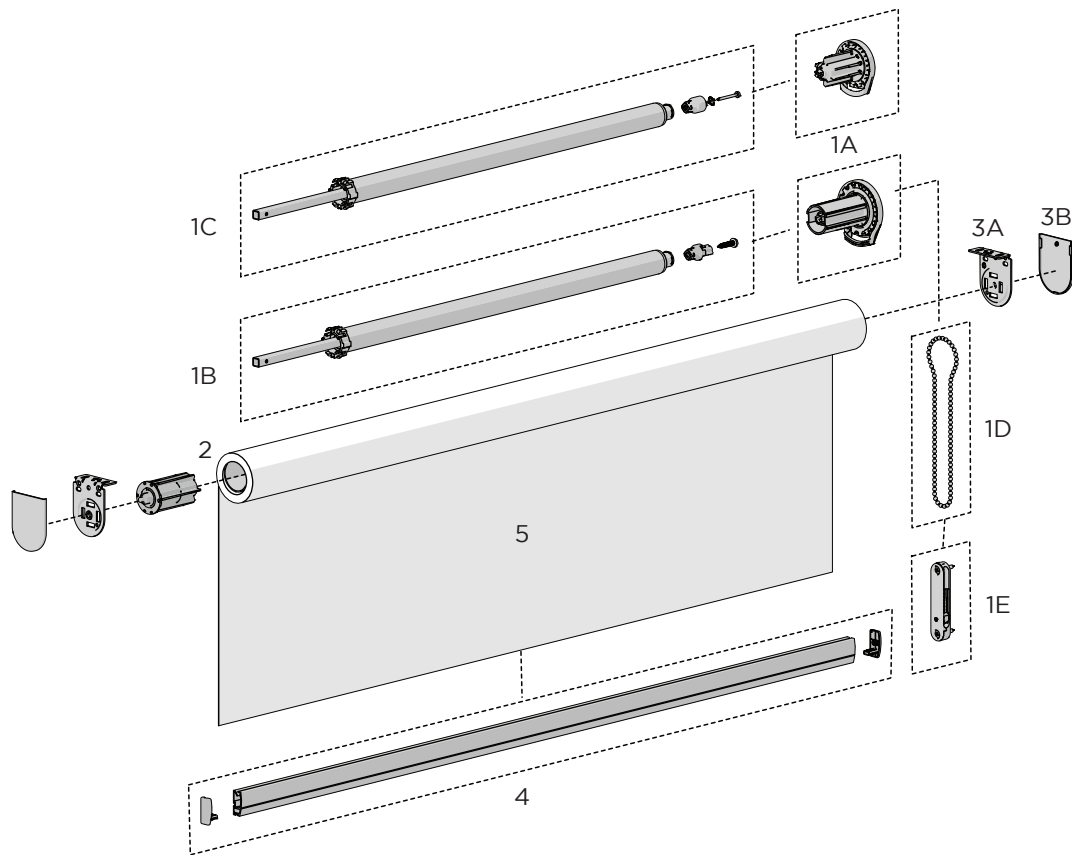
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SYSTEM SCHEMATICS

SL15 & SL20 SPRING ASSIST BOOSTER - GENERAL SCHEMATIC



SYSTEM INDEX:

1. CONTROL:

- A - Clutch + Pin End
- B - SL20 Spring Assist Booster
- C - SL15 Spring Assist Booster
- D - Chain
- E - Tension Device

2. ALUMINIUM TUBE:

- 1.5"
- 2"

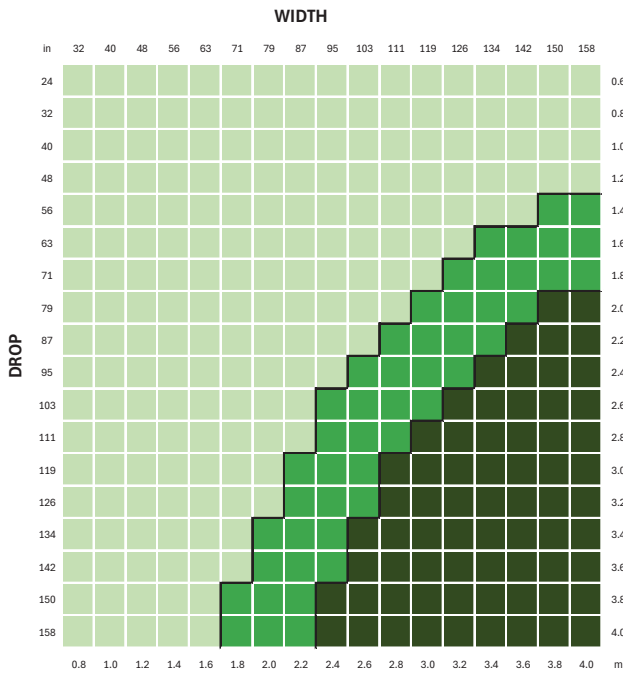
3. BRACKETS:

- A - Bracket
- B - Bracket Cover

4. HEM BAR**5. FABRIC**

SYSTEM CAPACITY CHARTS

CONTROL CAPACITY | 1-1/2"

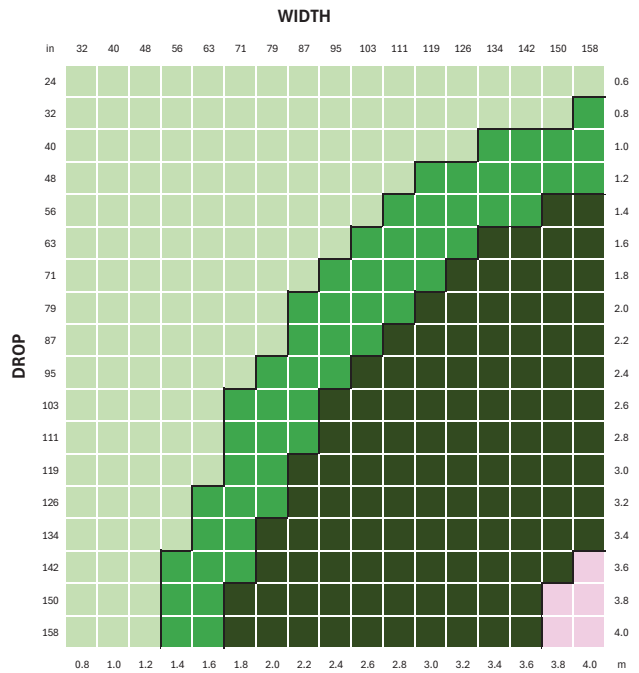


BOOSTER TYPE

SL15
SL20
SL15 or SL20 + Booster

PARAMETERS:
 FABRIC DENSITY: 390gsm
 FABRIC THICKNESS: 0.6mm
 WEIGHT BAR: D30 Bottom Rail

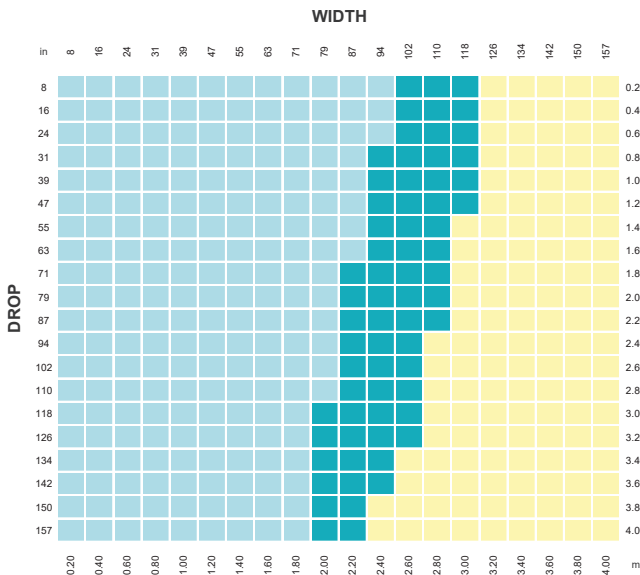
CONTROL CAPACITY | 2"



BOOSTER TYPE

SL15
SL20
SL15 or SL20 + Booster
SL20 + Booster

PARAMETERS:
 FABRIC DENSITY: 390gsm
 FABRIC THICKNESS: 0.6mm
 WEIGHT BAR: D30 Bottom Rail



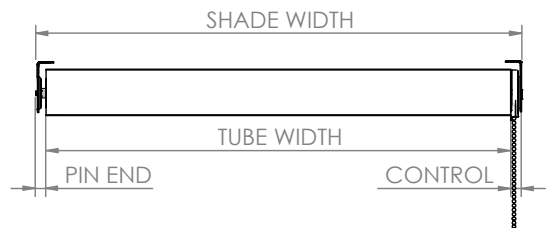
TUBES

1.5"
2"
LINKED

PARAMETERS:
 FABRIC DENSITY: 0.390gsm
 FABRIC THICKNESS: 0.6mm
 WEIGHT BAR: D30 Bottom Rail
 TUBE DEFLECTION: 1.05mm/m

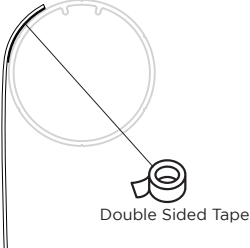
CONTROL OPTIONS	MINIMUM SHADE WIDTH (no covers)		TUBE DEDUCTIONS			
			NO BRACKET COVERS		WITH BRACKET COVERS	
	inch	mm	inch	mm	inch	mm
SL15	4.9	125	1.1	29	1.2	31
SL20	5.9	133	1.2	31	1.3	33
SL15 + STD SPRING ASSIST	31.8	809	1.1	29	1.2	31
SL15 + HD SPRING ASSIST	38.2	971	1.1	29	1.2	31
SL20 + STD SPRING ASSIST	32	813	1.2	31	1.3	33
SL20 + HD SPRING ASSIST	38.4	975	1.2	31	1.3	33

Minimum Shade Width based on 0.8" /20mm gap between hardware in tube.



FABRIC PREPARATION

1 Attach fabric onto tube if using double sided tape.

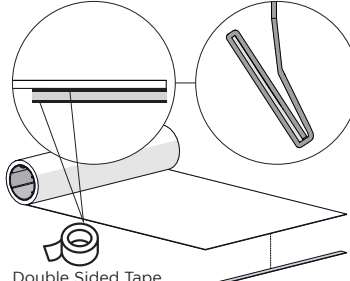


Double Sided Tape

NOTE

Minimum 2 full wraps of fabric on the tube

2 Secure spline for hem bar.



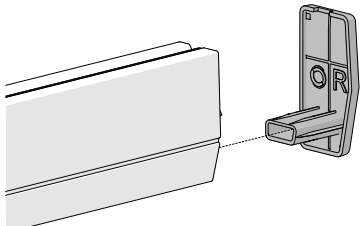
Double Sided Tape

NOTE

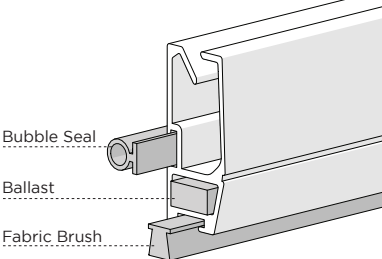
Use staples when using one wrap on the spline

TUBE & HEM BAR ASSEMBLY

2 Attach one end cap.

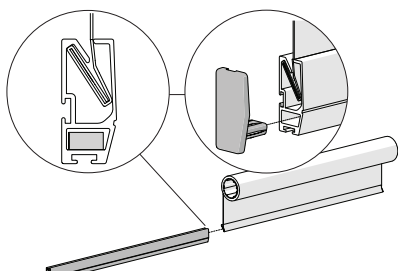


3 Attach accessories. Optional



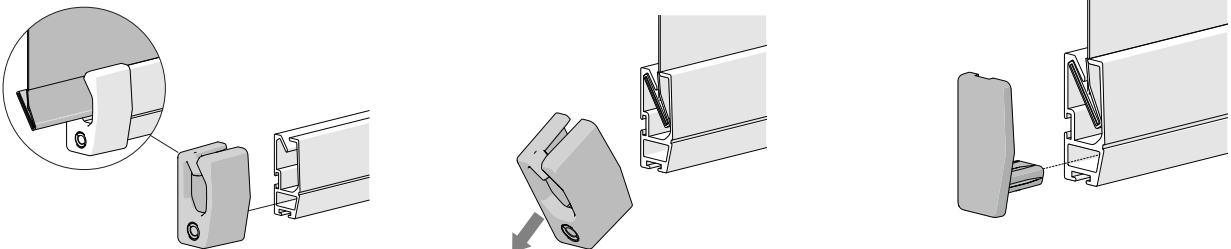
Bubble Seal
Ballast
Fabric Brush

4a Attach fabric and the remaining end cap.



4b Attach fabric using the fabric feeding funnel. Once fabric is attached, remove the funnel. **Optional**

Attach the end cap.

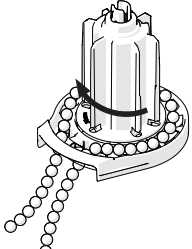


SKYLINE CHAIN ASSEMBLY

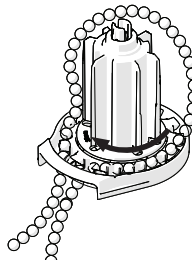
1 Push a small loop of the chain through the guard.



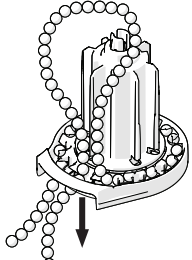
2 Push and turn the chain clockwise against the tooth edge until the pulley moves and locks the chain in place.



3 Keep turning clockwise until the chain beads are in the clutch.

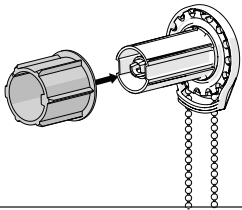


4 Pull the chain down behind the guard when the chain completes the entire loop.

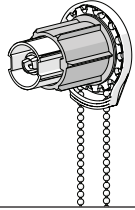


ADAPTER ASSEMBLY (FOR 2 INCH TUBE)

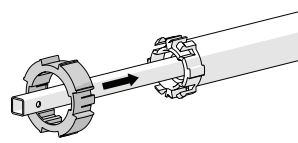
1 Align and slide the 2-inch adapter over the clutch.



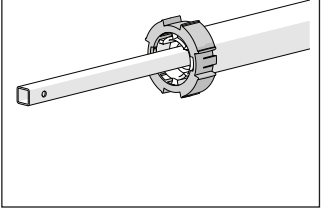
2 Push the adapter until it sits flush against the clutch.



3 Align and insert the 2 inch tail adapter.



4 Push the tail adapter until it locks into place.



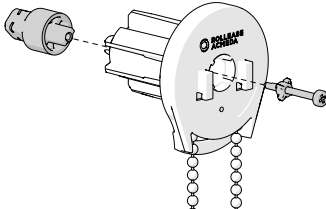
SPRING ASSIST BOOSTER ASSEMBLY

SHADE CONTROL	FABRIC STANDARD ROLL	FABRIC REVERSE ROLL
Right	Right Hand Booster	Left Hand Booster
Left	Left Hand Booster	Right Hand Booster

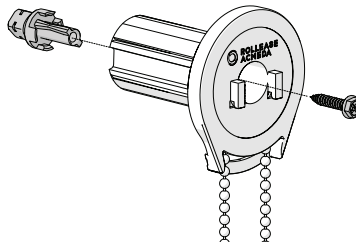
BOOSTER	COLOR
Right Hand Spring	White (STD) / Gray (HD)
Left Hand Spring	Yellow (STD) / Blue (HD)

SL15 & SL20 BOOSTER ASSEMBLY

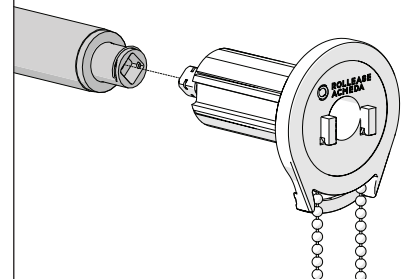
1a For SL15, align and insert the connector in the clutch and secure it with the screw and washer provided.



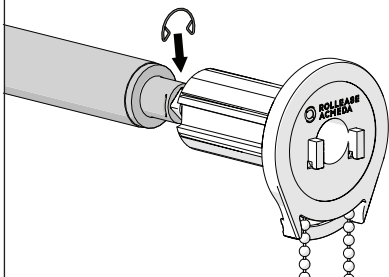
1b For SL20, align and insert the connector in the clutch and secure it with the screw provided.



2 Align and insert the clutch into the booster.



3 Secure the clutch with seeger clip provided.



NOTE

Make sure the connector is fully inserted and tightened securely when attaching the screw and washer with a drill or screwdriver.

PRE-TURN CHARTS



NOTE

- These charts are guidelines only - adjust pre-turns as required during installation.
- The number in the cell represents the number of pre-turns required for each shade size.

PRE-TURN | 1.5" TUBE

		WIDTH																		
		31	39	47	55	63	71	79	87	94	102	110	118	126	134	142	150	157		
DROP	# TURNS																			
	24	5	2	2	3	4	4	5	6	6	7	7	8	9	9	10	10	5	5	0.6
	31	6	2	3	3	4	4	5	6	6	7	8	8	9	10	10	5	5	5	0.8
	39	7	2	3	3	4	5	5	6	7	7	8	9	9	10	5	5	5	5	1.0
	47	9	2	3	3	4	5	5	6	7	8	8	9	10	10	5	5	5	6	1.2
	55	10	2	3	4	4	5	6	6	7	8	8	9	10	5	5	5	5	6	1.4
	63	11	2	3	4	4	5	6	7	7	8	9	10	5	5	5	6	6	1.6	
	71	13	2	3	4	4	5	6	7	7	8	9	10	10	5	5	5	6	6	1.8
	79	14	2	3	4	5	5	6	7	8	8	9	10	5	5	5	6	6	6	2.0
	87	15	2	3	4	5	6	6	7	8	9	9	10	5	5	5	6	6	6	2.2
	94	16	2	3	4	5	6	6	7	8	9	10	10	5	5	6	6	6	7	2.4
	102	17	2	3	4	5	6	7	7	8	9	10	5	5	5	6	6	6	7	2.6
	110	18	3	3	4	5	6	7	8	8	9	10	5	5	5	6	6	7	7	2.8
	118	19	3	3	4	5	6	7	8	9	9	10	5	5	6	6	6	7	7	3.0
126	20	3	4	4	5	6	7	8	9	10	5	5	5	6	6	6	7	7	3.2	
134	21	3	4	4	5	6	7	8	9	10	5	5	5	6	6	7	7	7	3.4	
142	22	3	4	5	5	6	7	8	9	10	5	5	5	6	6	7	7	7	3.6	
150	23	3	4	5	6	6	7	8	9	10	5	5	6	6	6	7	7	8	3.8	
157	24	3	4	5	6	7	8	8	9	10	5	5	6	6	6	7	7	8	4.0	
		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	m	

BOOSTER	MAX SPRING ROTATIONS
STD	45
HD	38

PARAMETERS:
 FABRIC DENSITY: 390gsm
 FABRIC THICKNESS: 0.6mm
 WEIGHT BAR: D30 Bottom Rail

PRE-TURN | 2" TUBE

		WIDTH																		
		31	39	47	55	63	71	79	87	94	102	110	118	126	134	142	150	157		
DROP	# TURNS																			
	24	4	2	3	4	5	5	6	7	8	8	9	10	5	5	5	6	6	6	0.6
	31	5	2	3	4	5	6	6	7	8	9	9	10	5	5	5	6	6	6	0.8
	39	6	2	3	4	5	6	6	7	8	9	10	5	5	5	6	6	6	7	1.0
	47	7	2	3	4	5	6	7	7	8	9	10	5	5	5	6	6	6	7	1.2
	55	8	3	3	4	5	6	7	8	8	9	10	5	5	5	6	6	7	7	1.4
	63	9	3	3	4	5	6	7	8	9	9	10	5	5	6	6	6	7	7	1.6
	71	10	3	4	4	5	6	7	8	9	10	5	5	5	6	6	6	7	7	1.8
	79	11	3	4	4	5	6	7	8	9	10	5	5	5	6	6	7	7	7	2.0
	87	12	3	4	5	5	6	7	8	9	10	5	5	5	6	6	7	7	7	2.2
	94	13	3	4	5	6	7	7	8	9	10	5	5	6	6	6	7	7	8	2.4
	102	14	3	4	5	6	7	8	9	9	10	5	5	6	6	6	7	7	8	2.6
	110	15	3	4	5	6	7	8	9	10	5	5	5	6	6	7	7	7	8	2.8
	118	16	3	4	5	6	7	8	9	10	5	5	6	6	6	7	7	8	8	3.0
126	17	3	4	5	6	7	8	9	10	5	5	6	6	6	7	7	8	8	3.2	
134	18	3	4	5	6	7	8	9	10	5	5	6	6	6	7	7	8	8	3.4	
142	19	3	4	5	6	7	8	9	10	5	5	6	6	7	7	7	8	8	3.6	
150	20	3	4	5	6	7	8	9	10	5	5	6	6	7	7	8	8	8	3.8	
157	20	3	4	5	6	7	8	9	4	5	5	6	6	7	7	8	8	9	4.0	
		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	m	

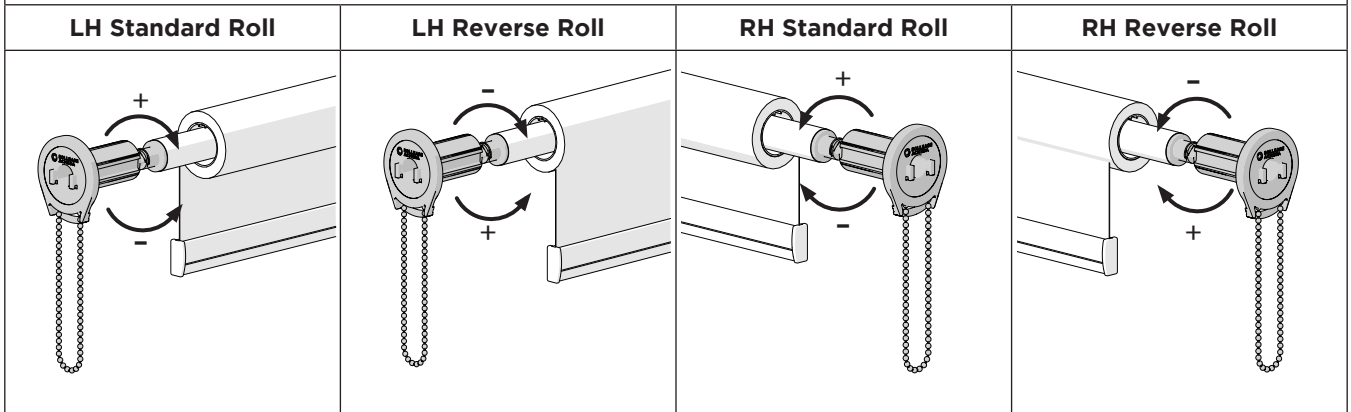
BOOSTER	MAX SPRING ROTATIONS
STD	45
HD	38

PARAMETERS:
 FABRIC DENSITY: 390gsm
 FABRIC THICKNESS: 0.6mm
 WEIGHT BAR: D30 Bottom Rail

ADDING & REMOVING PRE-TENSION

⚠ DIRECTION OF PRE-TURNS CHECK

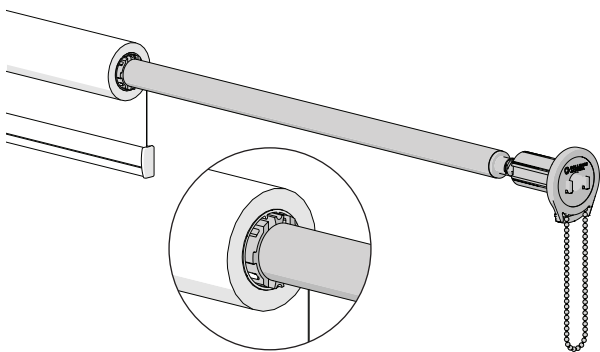
- Remove the clutch and rotate to add (+) or remove (-) pre-turns.



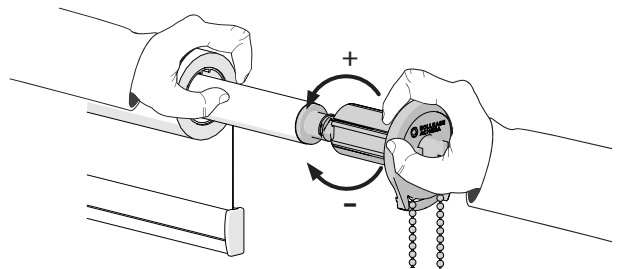
⚠ WARNING

- Hold the clutch securely when removing it from the tube for additional adjustments.
- The live tension can cause the parts to spin if released and may result in injury.

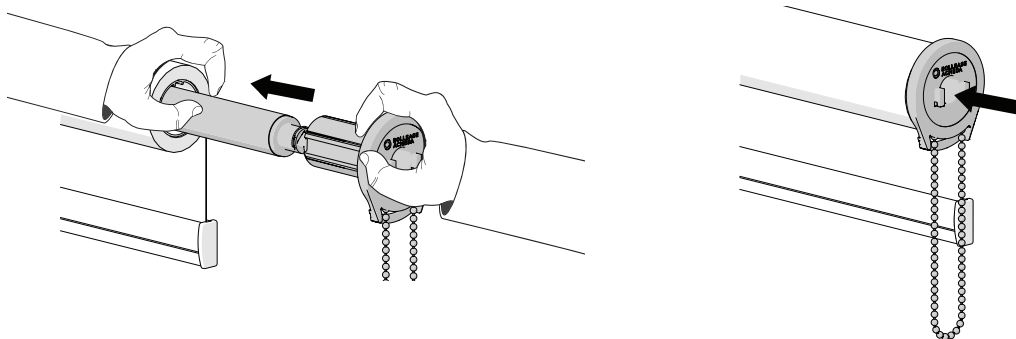
- 1a** Align and insert the tail adapter into the tube.



- 1b** Hold the tube and spring booster together with one hand. Rotate the clutch to add (+) or remove (-) tension while securely holding it with the other hand.



- 1c** Align and insert the clutch into the tube to complete the assembly.



DOCUMENT CHANGE NOTES

REVISION	CHANGES
v1.1 July 2025	Added Pre-tension intructions and 2 Inch adapter assembly.