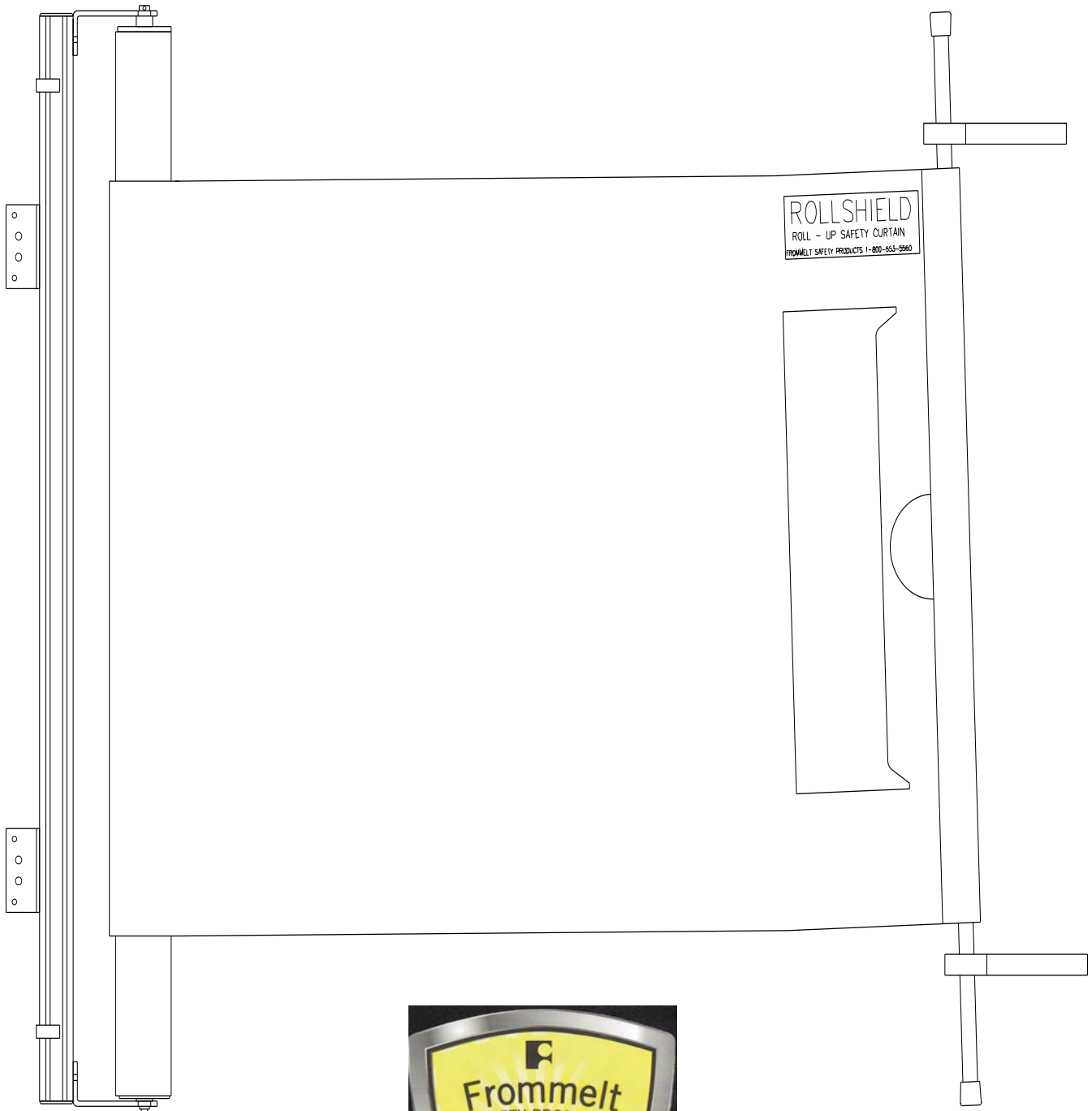


# ROLL-SHIELD™

## SIDE-TO-SIDE CURTAIN



This Manual Covers All Units Shipped to Date.

# INTRODUCTION

## NOTICE TO USER

Thank you for purchasing the ROLL-SHIELD™ barrier curtain by FROMMELT® SAFETY PRODUCTS.

**Our mission is to “Improve Industrial Safety, Security and Productivity Worldwide Through Quality and Innovation.”**

If any procedures for the installation, operation or maintenance of the ROLL-SHIELD have been left out of this manual or are not understood, contact Technical Support at 1-563-589-2722.

This versatile curtain rolls quickly into place to prevent the transmission of sparks, heat and fumes, while improving safety and work flow in and around work cells. The spring tension side-to-side design makes it easy to pull into place for effective area protection - and even easier to close for full access. Roll-Shields are a unitized design. Curtains are attached with hook/loop to the spring roller, **Figures 4.1 & 3.1**. The ratchet and spring mechanism is preset accordingly.

## WARRANTY

Only Frommelt Safety Products authorized parts are to be used on this product. Failure to do so may void warranty.

FROMMELT SAFETY PRODUCTS warrants that it's ROLL-SHIELD, will be free from defects in design, materials and workmanship for a period of one (1) year from the date of shipment. It does not cover damage incurred from abuse, misuse or impact. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be discovered. To be entitled to the benefits of this warranty, the products must have been properly installed, maintained, operated within their rated capacities, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This is FROMMELT SAFETY PRODUCTS exclusive warranty. FROMMELT SAFETY PRODUCTS EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. Non-standard FROMMELT SAFETY PRODUCTS warranties, if any, must be specified by FROMMELT SAFETY PRODUCTS in writing.

In the event of any defects covered by this warranty, FROMMELT SAFETY PRODUCTS will remedy such defects by repairing or replacing any defective equipment or parts. This shall be the exclusive remedy for all claims whether based on contract negligence or strict liability. Neither FROMMELT SAFETY PRODUCTS ANY OTHER MANUFACTURER WHOSE PRODUCTS ARE THE SUBJECT OF THIS TRANSACTION, NOR ANY FROMMELT SAFETY PRODUCTS REPRESENTATIVE, SHALL IN ANY EVENT BE LIABLE FOR ANY LOSS OR USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. The application of a manufacturer's specifications to a particular job is the responsibility of the purchaser.

### FROMMELT SAFETY PRODUCTS

4343 Chavenelle Drive  
 P.O. Box 1200  
 Dubuque, Iowa 52002-2654  
 Toll Free Sales: 800-553-5560  
 Sales: 563-589-4401  
 Sales Fax: 563-589-2776  
 Service: 563-589-2722  
 Service Fax: 563-589-2737  
 www.frommeltsafety.com

## CURTAIN REPLACEMENT

1. To replace curtain and adjust spring tension, **Figure 3.1** shows industrial ratchet assembly.
2. Roll existing curtain out until hook/loop attachment can be seen. Make sure curtain is locked down before releasing pressure.
3. Pull curtain away from hook attachment on spring roller.
4. Attach new curtain to spring roller using hook/loop fastener attachment. Give curtain a light tug and roll up curtain. If spring tension was lost, remove curtain.
5. Observing **Figure 3.1**, wind metal roller in the direction that allows the latches to catch. Recommended pretension is 10-14 revolutions depending on curtain height and weight.
6. Attach curtain to metal roller and attempt to roll up with a light tug. If curtain opens part way and stops, more spring tension is required. Remove curtain and wind spring roller additional turns. If curtain opens too quickly, too much pretension has been applied. Carefully remove a couple revolutions of pretension. Repeat procedure until desired open speed is reached.

## TROUBLESHOOTING

1. Curtain pulls too hard, too much tension on roller, remove tension per Curtain Replacement.
2. Binding of curtain, adjust curtain position to eliminate binding.
3. Curtain pulls too fast, too much tension on roller, remove tension per Curtain Replacement.
4. Curtain pulls too easy, not enough tension on roller, add tension per Curtain Replacement.
5. Curtain does not open without catching, not enough tension on roller, add tension per Curtain Replacement.
6. Curtain does not have latching position, spring drive installed upside down, rotate spring drive 180°.
7. Curtain over rolls, bottom tubing out of position, center tubing on curtain.



## WARNING!!!

**If the curtain becomes separated from the spring roller, refer to the Section CURTAIN REPLACEMENT.**



## CAUTION !!!

**If mounting to a wall, DO NOT lag, through bolt only. Use minimum 3/8"Ø threaded rod or grade 5 bolts.**



## CAUTION !!!

**DO NOT secure support post to concrete less than 4" in depth. DO NOT use lags under 3/8"Ø.**

# ASSEMBLY / ARCHITECTURAL DRAWING

## FLOOR MOUNTED

1. Mark and drill concrete floor per hole pattern of support post bottom plate, using minimum 3/8" anchors.
2. Stand support post upright and secure to floor.
3. Lift Roll-Shield assembly, plumb and clamp to the support post. Drill and fasten unit to post.
4. Pull curtain closed, and locate the curtain rod brackets.

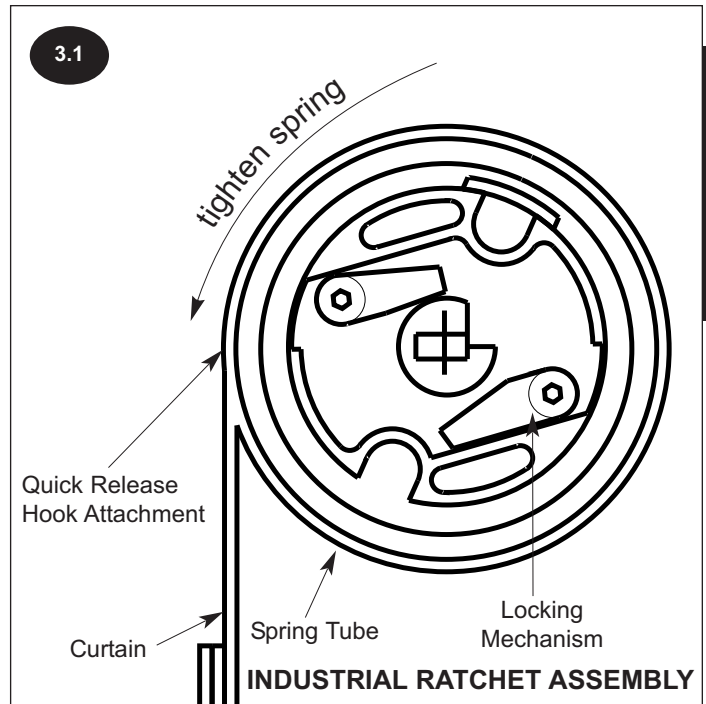
## WALL/BEAM/MACHINE MOUNT

1. Lift, plumb and clamp Roll-Shield unit in place.
2. Mark for bolt centers and drill 7/16" Ø holes.
3. Lift unit and fasten as required.
4. Pull curtain closed, and locate the holding brackets.

Note: Mounting Brackets can be reversed if necessary.

**! CAUTION !!!**

**Curtain is under constant spring tension. Hold secure when opening and closing.**



Installation

REVISION HISTORY				
REV	DESCRIPTION	ECN	DATE	BY / APPROVED
A	CORRECT BRACKETS & STAY POCKETS	5397	7/16/2007	DAS
B	SPECIFY STORE/LEFT EXTEND RIGHT	5641	4/11/2008	DAS

ITEM	QTY	PART NO.	DESCRIPTION

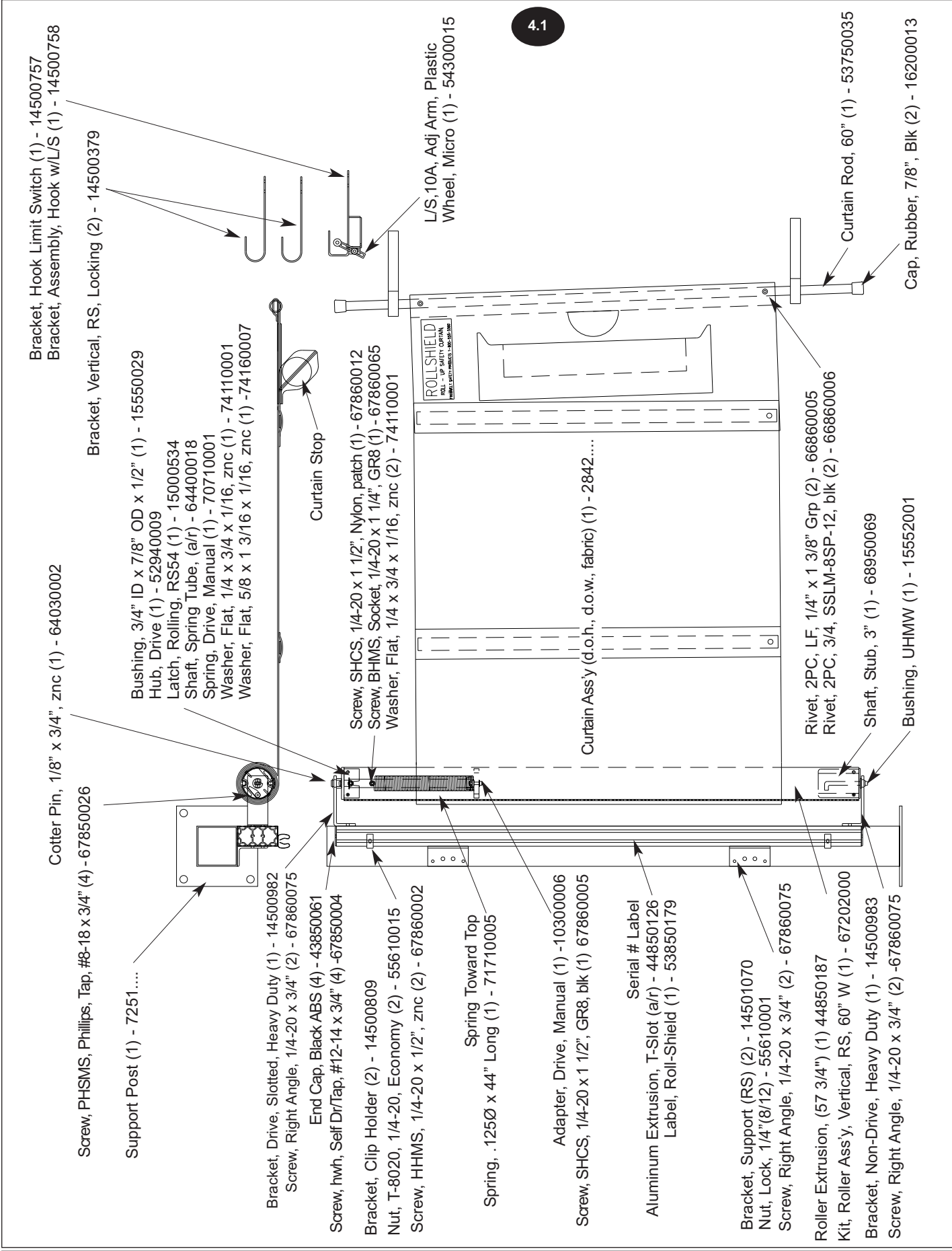
INCH TOLERANCES		DO NOT SCALE DRAWING	
OVER	UP TO	+	-
0	0.125	0.025	
0.125	0.25	0.010	
0.25	1.25	0.020	
1.25	6	0.030	
6	15	0.040	
15	40	0.050	
40	80	0.100	
80	-	0.125	

FINISH	INITIAL ECN	DATE ISSUED	REF

**FROMMELT® SAFETY PRODUCTS**  
 ARCHITECTURAL APPROVAL ROLL-SHIELD STORE LEFT/EXTEND RIGHT, SIDE TO SIDE VERTICAL MOUNT  
 PHONE # (800) 553-5560 (563) 587-4401 FAX # (563) 589-2776  
 CURTAIN MATERIALS: YELLOW PVC, BLUE PVC, ORANGE PVC, GRAY PVC, CLEAR PVC, SHADE 8 PVC, GREEN WELDTEX, YELLOW WELDTEX, BLUE WELDTEX, ZEBRA

# SERVICE PARTS LIST



Bracket, Hook Limit Switch (1) - 14500757  
 Bracket, Assembly, Hook w/L/S (1) - 14500758

Bracket, Vertical, RS, Locking (2) - 14500379

Bushing, 3/4" ID x 7/8" OD x 1/2" (1) - 15550029  
 Hub, Drive (1) - 52940009  
 Latch, Rolling, RS54 (1) - 15000534  
 Shaft, Spring Tube, (a/r) - 64400018  
 Spring, Drive, Manual (1) - 70710001  
 Washer, Flat, 1/4 x 3/4 x 1/16, zinc (1) - 74110001  
 Washer, Flat, 5/8 x 1 3/16 x 1/16, zinc (1) - 74160007

Curtain Stop  
 Screw, SHCS, 1/4-20 x 1 1/2", Nylon, patch (1) - 67860012  
 Screw, BHMS, Socket, 1/4-20 x 1 1/4", GR8 (1) - 67860065  
 Washer, Flat, 1/4 x 3/4 x 1/16, zinc (2) - 74110001

L/S, 10A, Adj Arm, Plastic  
 Wheel, Micro (1) - 54300015

4.1

Curtain Rod, 60" (1) - 53750035

Cap, Rubber, 7/8", Blk (2) - 16200013

Cotter Pin, 1/8" x 3/4", zinc (1) - 64030002

Screw, PHSMS, Phillips, Tap, #8-18 x 3/4" (4) - 67850026

Support Post (1) - 7251....

Bracket, Drive, Slotted, Heavy Duty (1) - 14500982  
 Screw, Right Angle, 1/4-20 x 3/4" (2) - 67860075

End Cap, Black ABS (4) - 43850061  
 Screw, hw/h, Self Dr/Tap, #12-14 x 3/4" (4) - 67850004

Bracket, Clip Holder (2) - 14500809

Nut, T-8020, 1/4-20, Economy (2) - 55610015

Screw, HHMS, 1/4-20 x 1/2", zinc (2) - 67860002

Spring Toward Top  
 Spring, .125Ø x 44" Long (1) - 71710005

Adapter, Drive, Manual (1) - 10300006  
 Screw, SHCS, 1/4-20 x 1 1/2", GR8, blk (1) 67860005

Aluminum Extrusion, T-Slot (a/r) - 44850126  
 Label, Roll-Shield (1) - 53850179

Bracket, Support (RS) (2) - 14501070  
 Nut, Lock, 1/4"(8/12) - 55610001  
 Screw, Right Angle, 1/4-20 x 3/4" (2) - 67860075

Roller Extrusion, (57 3/4") (1) 44850187

Kit, Roller Ass'y, Vertical, RS, 60" W (1) - 67202000

Bracket, Non-Drive, Heavy Duty (1) - 14500983

Screw, Right Angle, 1/4-20 x 3/4" (2) - 67860075

Rivet, 2PC, LF, 1/4" x 1 3/8" Grp (2) - 66860005  
 Rivet, 2PC, 3/4, SSLM-8SP-12, blk (2) - 66860006

Shaft, Stub, 3" (1) - 68950069

Bushing, UHMW (1) - 15552001

Curtain Ass'y (d.o.h., d.o.w., fabric) (1) - 2842....