Section 4 **Tubes & Accessories Tube / Axle** Tubes are the structural center of the rolling shutter. Curtains attach and roll around the tube. Choose a tube based on the operator type, curtain weight and curtain size.

Spring Lock Hangers

Spring lock hangers are used to secure the slats into a locking vertical position and attach the slat curtain with the axle. Slat type will determine the spring lock hanger used (mini / maxi slat).

Idlers / Caps

Idlers / caps are located on the inside of the axle on the opposite side of the operator. They assist in turning the axle. Type of idler is determined by the weight of shutter and size of axle.

Δdanters

Adapters are rings on the outside of the axle that transition different axle diameters. This is accomplished by converting an octagonal receptor to a circular one. They also aide in maintaining uniform curtain roll up.

Mounting Plates / Brackets

Mounting plates / brackets are mounted to side caps and support the axle and operator. They also connect the axle / operator to the the side cap.

Bearings

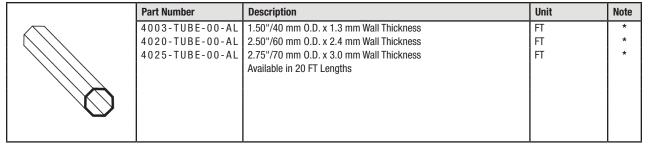
Bearings are located inside the cap / idler and help turn the curtain. Bearing is determined by the type of cap used.

TUBES

Octagonal Tubes - Galvanized Steel

	Part Number	Description	Unit	Note
	4000-TUBE-00-ST	1.50"/40 mm 0.D. x 0.6 mm Wall Thickness	FT	*
(0,))	4004-TUBE-00-ST	2.00"/50 mm 0.D. x 0.6 mm Wall Thickness	FT	*
(/0///	4010-TUBE-00-ST	2.36"/60 mm 0.D. x 0.6 mm Wall Thickness	FT	*
1/0//	4014-TUBE-00-ST	2.36"/60 mm 0.D. x 0.9 mm Wall Thickness	FT	*
1/0/1	4032-TUBE-00-ST	2.75"/70 mm 0.D. x 1.2 mm Wall Thickness	FT	*
/X/)	4033-TUBE-00-ST	2.75"/70 mm 0.D. x 1.5 mm Wall Thickness	FT	*
	4034-TUBE-00-ST	2.75"/70 mm 0.D. x 0.9 mm Wall Thickness	FT	*
		Available in 19' or 19.7' (5.8 or 6 meters) Special Order		

Octagonal Tubes - Aluminum



Round Tubes - Galvanized Steel

Part Number	Description	Unit	Note
4048-TUBE-00-ST	3.95"/100 mm 0.D. x 2.0 mm Wall Thickness	FT	
	Available in 24 FT Lengths		

Splicers / Extenders - Galvanized Steel (For Octagonal Tube)

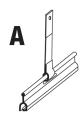
₽ }⁄ ₄	Part Number	Description	Unit	Note
	4080-TUBE-00-ST	For 40 mm 0.D. x 0.6 mm L = 400 mm X = 300 mm A = 38 mm	PC	
1 ////	4085-TUBE-00-ST	For 60 mm 0.D. x 0.6 mm L = 500 mm X = 420 mm A = 58 mm	PC	
+				
130				

Aluminum Slat Hanger for Clear Lexan System

_	Part Number	Description	Unit	Note
	1354-L0CK-00-AL	"Spider" Slat Hanger - 60 mm Octagonal Axle	PC	
60mm				
38*-				

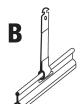
^{* -} Typically ships within 3 days
N - New item
! - Special order item

SPRING LOCK HANGERS



5.5"/ 135 mm PVC - Coated Spring Steel (Aluminum Hook) Type "K"

Part Number	Description	Unit	Note
4100-L0CK-PL-ST	With Hole for Screw or Rivet (A)	PC	*
4101-L0CK-PL-ST	With Hole for Screw or Rivet & Hook (B)	PC	
4102-L0CK-PL-ST	With Hole for Screw (C)	PC	
	For Mini Slats, Used with Housing 7" or Smaller		



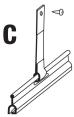
6.81"/ 173 mm PVC-Coated Spring Steel (Aluminum Hook) Type "K"

Part Number	Description	Unit	Note
4110-L0CK-PL-ST	With Hole for Screw or Rivet (A)	PC	*
4111-L0CK-PL-ST	With Hole for Screw or Rivet & Hook (B)	PC	
4112-L0CK-PL-ST	With Hole for Screw (C)	PC	
	For Mini Slats, Used With Box Covers Larger Than 7"		



7.87"/ 200 mm PVC - Coated Spring Steel (Aluminum Hook) Type "K"

Part Number	Description	Unit	Note
4161-L0CK-PL-ST	With Hole for Screw or Rivet; Hanger 100 mm wide (A)	PC	*
4165-L0CK-PL-ST	With Hole for Screw or Rivet EXTRA WIDE Hanger 150 mm wide (A)	PC	
4170-L0CK-PL-ST	With Hole for Screw or Rivet & Hook Hanger 100 mm wide (B)	PC	
4172-L0CK-PL-ST	With Split End Hook: Hanger 3.9"/100 mm Wide (E)	PC	
	For Maxi Slats, Used With Box Cover Larger Than 7"		

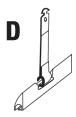


7.5"/ 190mm Spring Steel (PVC Hook) Type "P"

Part Number	Description	Unit	Note
4171-L0CK-PL-ST	With Hole for Screw or Rivet & Hook (D)	PC	
	For Maxi Slats Used With Box Cover Larger Than 7"		

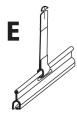
TYPE 'K' = POLYESTER COATED, ABRASION SAFE

TYPE 'P' = SUSPENSION POLY-GLASS FIBER; SOLIDITY LIKE ALUMINUM & SCRATCH PROTECTION LIKE PVC



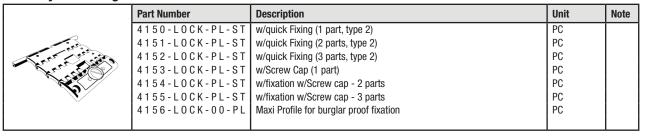
* - Typically ships within 3 days N - New item

- Special order item



SAFETY BLOCKING DEVICE

Security Block Burglar Proof Fixation - For Maxi Profile



Safety Blocking Device - For Mini Profiles

	Part Number	Description	Unit	Note
	4174-L0CK-PL-ST	75 mm for 40 mm Octagonal Tube	PC	
	4175-L0CK-PL-ST	105 mm for 40 mm Octagonal Tube	PC	
	4176-L0CK-PL-ST	75 mm for 50 mm Octagonal Tube	PC	
	4177-L0CK-PL-ST	105 mm for 50 mm Octagonal Tube	PC	
	4178-L0CK-PL-ST	135 mm for 50 mm Octagonal Tube	PC	
	4189-L0CK-PL-ST	75 mm for 60 mm Octagonal Tube	PC	
	4190-L0CK-PL-ST	105 mm for 60 mm Octagonal Tube	PC	
	4191-L0CK-PL-ST	135 mm for 60 mm Octagonal Tube	PC	

Safety Blocking Device - For Maxi Profiles

	Part Number	Description	Unit	Note
	4179-L0CK-PL-ST	105 mm for 50 mm Octagonal Tube	PC	
0 0	4180-L0CK-PL-ST	135 mm for 50 mm Octagonal Tube	PC	
	4181-L0CK-PL-ST	165 mm for 50 mm Octagonal Tube	PC	
	4182-L0CK-PL-ST	190 mm for 50 mm Octagonal Tube	PC	
	4192-L0CK-PL-ST	105 mm for 60 mm Octagonal Tube	PC	
	4193-L0CK-PL-ST	135 mm for 60 mm Octagonal Tube	PC	
	4194-L0CK-PL-ST	165 mm for 60 mm Octagonal Tube	PC	İ
				İ

Backup Sleeve

_	Part Number	Description	Unit	Note
	4183-LOCK-PL-ST	For 60 mm Octagonal Tube	PC	

Security Blocking Device

Part Number	Description	Unit	Note
4184-L0CK-PL-ST	Security Block 60-3 Limbs 14 mm (Maxi)	PC	
4185-L0CK-PL-ST	Security Block 60-4 Limbs 14 mm (Maxi)	PC	
4186-LOCK-PL-ST	Security Block 60-3 Limbs 9 mm (Mini)	PC	
4187-L0CK-PL-ST	Security Block 70- 3 Limbs 9 mm (Maxi)	PC	
4188-L0CK-PL-ST	Security Block 70- 4 Limbs 14 mm (Maxi)	PC	
	For 60 and 70 mm OCTAGONAL TUBE, Maxi and Mini Profile		
	(Galvanized Only)		

 $[\]star\,$ - Typically ships within 3 days N - New item

^{! -} Special order item

IDLERS & CAPS

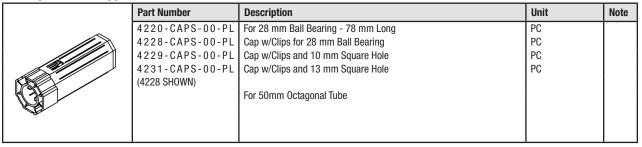
Idler (Mini PVC Cap)

		Part Number	Description	Unit	Note
	78mm ₁		With 10 mm Steel Pivot - 78 mm Long	PC	
			For 40 mm Octagonal Tube		
l					
l					
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Idler (Mini PVC Cap)

١		Part Number	Description	Unit	Note
١	125mm 102mm	4226-CAPS-00-PL	For 28 mm Ball Bearing (125 mm Long)	PC	
	102111111		For 50 mm Octagonal Tube		
l					
١	Z8mm				
١	N. T. Colonia				
١					
ı					
Į					

Idler (Mini PVC Cap)



Telescopic Cap for 28mm Ball Bearing

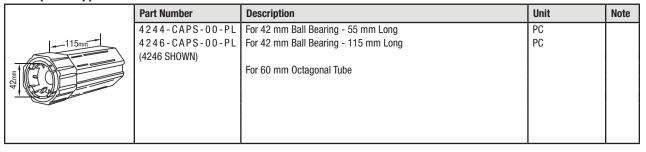
	Part Number	Description	Unit	Note
102mm	4230-CAPS-00-PL	40mm Octagonal Tube (102 mm Long)	PC	
	4227-CAPS-00-PL	50mm Octagonal Tube (63 mm Long)	PC	
	4243-CAPS-00-PL	60mm Octagonal Tube (100 mm Long)	PC	
- 18 mm-	(4230 SHOWN)			
		For 28mm Ball Bearing		
86mm				

IDLERS & CAPS

Idler (PVC Cap)

	Part Number	Description	Unit	Note
	4242-CAPS-00-PL	For 28 mm Ball Bearing - 145 mm Long	PC	*
115mm		For 60 mm Octagonal Tube		

Idler (PVC Cap)



Idler (Mini Adaptor Cap)

	Part Number	Description	Unit	Note
80mm	4232-CAPS-00-PL	PVC For 28 mm Ball Bearing - 100 mm Long	PC	
	4233-CAPS-00-AL	ALU For 28 mm Ball Bearing - 100 mm Long		
		For 40 mm / 47 mm Round Tube		
100mm				
<u>'</u>				

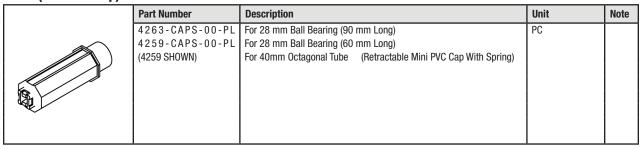
Idler (PVC Cap)

	Part Number	Description	Unit	Note
	4235-CAPS-00-PL	With 12 mm Steel Pivot - 55 mm Long	PC	
	4245-CAPS-00-PL	With 12 mm Steel Pivot - 150 mm Long	PC	
	(4245 SHOWN)			
		For 60 mm Octagonal Tube		
150mm				
1				

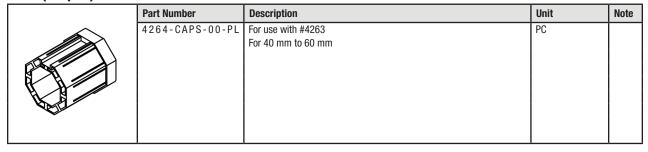
- Typically ships within 3 days
 N New item
 Special order item

IDLERS & CAPS

Idler (Mini PVC Cap)



Idler (Adaptor)



Idler (PVC Cap)

	Part Number	Description	Unit	Note
	4260-CAPS-00-PL	With 12 mm Steel Pivot (63 mm Long)	PC	
	4266-CAPS-00-PL	For 42 mm Ball Bearing (55 mm Long)	PC	
	(4260 SHOWN)			
		For 70 mm Octagonal Tube		
63mm				

Idler (Alu Cap)

	Part Number	Description	Unit	Note
	4267-CAPS-00-AL	with 12 mm Alu Pivot	PC	
51mm		For 70 mm Octagonal Tube		

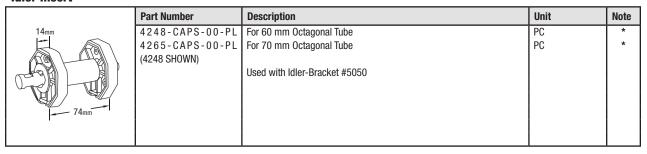
PVC Idler Cap

 Part Number	Description	Unit	Note
4249-CAPS-00-PL	PVC idler cap for 60mm oct tube w/ 40mm ball bearing	PC	

- * Typically ships within 3 days
 N New item
 ! Special order item

IDLERS & CAPS/COUPLERS

Idler Insert



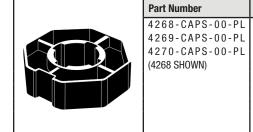
Description

For 70 mm Octagonal

For 70 mm Octagonal

For 60 mm Octagonal

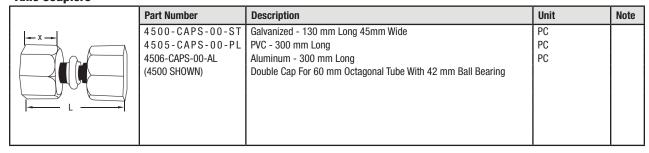
Idler Inserts for Assist Springs



Idler (PVC Cap)

Part Number	Description	Unit	Note
4262-CAPS-00-PL	For Use With Bearing #5250 And Bearing Holder #5115	PC	
	Adjustable Spring Loaded Idler 12 mm Pivot For Any Size Simu Or Somfy Crown And Drive	PC	

Axle Couplers



Axle Couplers

Part Number	Description	Unit	Note
4515-CAPS-00-PL	PVC - 300 mm Long	PC	
4516-CAPS-00-AL	Aluminum - 300 mm Long	PC	
(4515 SHOWN)	Double Cap For 70mm Octagonal Tube With 42 mm Ball Bearing		

<sup>Typically ships within 3 days
N - New item
Special order item</sup>

Unit

PC

Note

N

COUPLERS

Axle Couplers

	Part Number	Description	Unit	Note
	4525-CAPS-00-PL	PVC for Bay Windows - 200 mm Long	PC	
102mm ——	4526-CAPS-00-AL	Aluminum for Bay Windows - 200 mm Long	PC	
	(4525 SHOWN)			
20mm		For 60 mm Octagonal Tube With Adjustable Pivot 12mm		

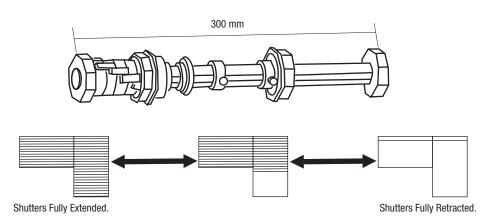
Axle Couplers

Part Number	Description	Unit	Note
4529-CAPS-00-PL	PVC for Bay Windows - 200 mm Long	PC	
4530-CAPS-00-AL	Aluminum for Bay Windows - 200 mm Long	PC	
(4529 SHOWN)	For 70 mm Octagonal		

Shaft Coupler

	Part Number	Description	Unit	Note
	8753-ACCE-00-XX	Shaft Coupler for Shutters with different Heights	PC	
O Lina				

- Typically ships within 3 days
 N New item
 Special order item



ADAPTERS

Axle Adaptors - Aluminum For Aluminum Axle

	Part Number	Description	Unit	Note
	4561-CAPS-00-AL	From 60 mm Octagonal Tube to 76 mm O.D. Round	PC	*
	4566-CAPS-00-AL	From 70 mm Octagonal Tube to 88 mm O.D. Round	PC	*
	(4561 SHOWN)			*
60mm/70mm 76mm/88mm				1
1				
36mm				
	ļ			

Axle Adaptors - PVC For Galvanized Axle

	Part Number	Description	Unit	Note
	4550-CAPS-00-PL	From 40 mm Octagonal Tube to 50 mm O.D. Round	PC	
	4560-CAPS-00-PL	From 60 mm Octagonal Tube to 80 mm O.D. Round	PC	
	4565-CAPS-00-PL	From 70 mm Octagonal Tube to 80 mm O.D. Round	PC	
	4570-CAPS-00-PL	From 70 mm Oct. Tube to 130 mm O.D. Round	PC	
	4571-CAPS-00-PL	From 70 mm Oct. Tube to 101mm O.D. Round	PC	*
1 6	(4571 SHOWN)			

Axle Adaptors - PVC

	Part Number	Description	Unit	Note
1 1	4555-CAPS-00-PL	From 40 mm Octagonal Tube to 60 mm Octagonal	PC	
60mm				

- * Typically ships within 3 days
 N New item
 ! Special order item

MOUNTING PLATES & BRACKETS

Mounting Plates & Brackets

	Part Number	Description	Unit	Note
	5005-BRCK-00-ST	105 mm x 155 mm	PC	
	5010-BRCK-00-ST	105 mm x 200 mm	PC	
	(5005 SHOWN)	Pre-Drilled Mounting Bracket		
1 . 10 0 0 0		_		
1000 0 0				
155mm —				

Angle Bracket

	<u> </u>	Part Number	Description	Unit	Note
	60	5012-BRCK-00-ST	115 mm x 105 mm x 65 mm (Heavy Duty)	PC	
		5015-BRCK-00-ST	65 mm x 80 mm x 40 mm	PC	
		(5012 SHOWN)	For Plate #5005 & #5010		
/	7.5,111,111,111,111,111,111,111,111,111,1				
	/ \				

Bolt / Nut / Washer

Part Number	Description	Unit	Note
5016-B0LT-00-ST		PC	
	For Plate #5005, #5010, #5012 & #5015		
		Part Number Description 5 0 1 6 - B 0 LT - 0 0 - S T Bolt M6 x 15 mm (200/ Box) For Plate #5005, #5010, #5012 & #5015	5 0 1 6 - B 0 L T - 0 0 - S T Bolt M6 x 15 mm (200/ Box) PC

Adjustable Angle Support

Aujustubio Aligio Supp				
	Part Number	Description	Unit	Note
	5025-BRCK-00-ST	For Mounting Bracket #5005 & #5010	PC	
180 _{mm}				
100				
· ·				

- Typically ships within 3 days
 N New item
 Special order item

MOUNTING PLATES & BRACKETS

Mounting Plate & Bracket - Idler Support Bracket

	Part Number	Description	Unit	Note
55mm	5050-BRCK-00-ST	Mounting Bracket 55 mm x 50 mm (With Cotter Pin) For Idler #4248 & #4265	PC	*

Idler Support Plate For 10" and 12" 45° Sidecaps - Large Leg

	Part Number	Description	Unit	Note
100000	5055-BRCK-00-ST	For 4248, 4265, & Springs 9618, 9622	PC	
100mm				
1 0				

Angle Bracket

Part Number	Description	Unit	Note
5030-BRCK-00-ST	For Intermediate Support #5035	PC	
		Part Number Description 5 0 3 0 - BRCK - 0 0 - ST For Intermediate Support #5035	•

Intermediate Support

	Part Number	Description	Unit	Note
	5035-BRCK-00-ST	With Two Bearings, For #4560,#4561,#4565 & #4566	PC	
170mm				

- * Typically ships within 3 days
 N New item
 ! Special order item

MOUNTING PLATES & BRACKETS

Plate For Standard Side Cap w/ 12 mm Pivot

	100mm	Part Number	Description	Unit	Note
I -		5062-BRCK-00-ST	100 mm x 100 mm mounting bracket	PC	
	0 0 0 0				
100mm-					
	0 000				

For Strap Reduction Gears #7305 & #7310 / Any Bearing With a 12 mm Hole

I		Part Number	Description	Unit	Note
		5060-BRCK-00-ST	For Idlers With 12 mm Pivot	PC	
l					
ı					
l	75mm				
l					
1	0				
L					

Angle Bracket 12" X 10" X 3.25"

3.25"	Part Number	Description	Unit	Note
3.25	5065-BRCK-00-ST	Rolling Bracket (Floating)	PC	

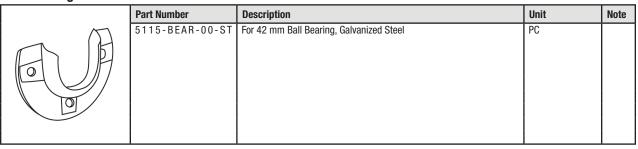
Rolling Bracket (Floating)

	Part Number	Description	Unit	Note
	5070-BRCK-00-ST	For BK-250S (10"/250 mm) Side Caps	PR	
	5075-BRCK-00-ST	For BK-300S (12"/300 mm) Side Caps	PR	
	(5070 SHOWN)			
0 0 0				

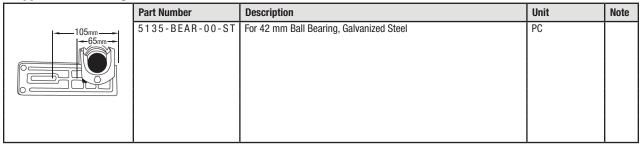
- * Typically ships within 3 days
 N New item
 ! Special order item

BEARING HOLDERS

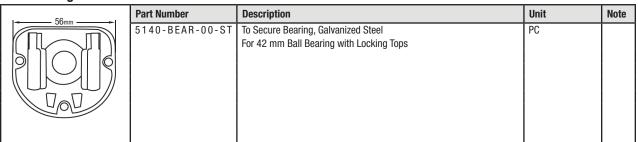
Ball Bearing Holders



Support with Bearing Holder



Ball Bearing Holder



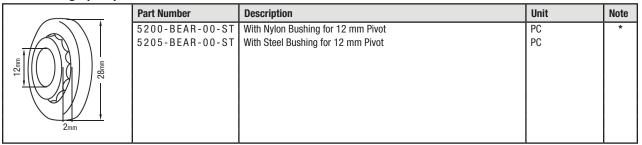
Ball Bearing Holder

	Part Number	Description	Unit	Note
100 _{mm}	5150-BEAR-00-ST	Bend "Ears" Used With 42 mm Ball Bearing	PC	
	5151-BEAR-00-ST	Plate 100 mm x 100 mm w/ Three Support Spec	PC	1
100mm	(5150 SHOWN)			

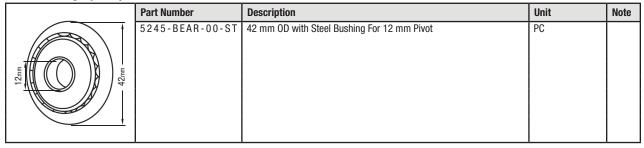
- * Typically ships within 3 days
 N New item
 ! Special order item

BEARINGS

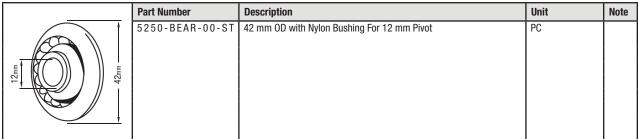
Ball Bearings (Mini)



Ball Bearings (Maxi)



Ball Bearings (Maxi)



Ball Bearings (Maxi)

5 2 6 0 - B E A R - 0 0 - S T 42 mm 0D High Precision Stainless Steel Bearing 42mm F/13mm PC N		Part Number	Description	Unit	Note
		5260-BEAR-00-ST	-	PC	N

Ball Bearings (Maxi)

	Part Number	Description	Unit	Note
	5255-BEAR-00-ST	42 mm OD with Nylon Bushing For 15 mm Pivot	PC	
15mm				

^{* -} Typically ships within 3 days
N - New item
! - Special order item