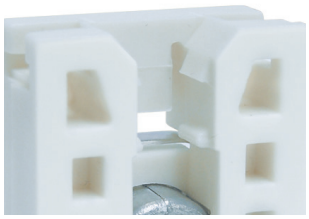
WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – ORDER CATALOG | SECTION 01.1

Single & Double Hung Window Hardware



Securing technology for you

01

Single & Double Hung Window Hardware

Constant force balance for Hybrid system 01.3
Constant force balances..... 01.5
Pre-assembled coil balances..... 01.6
Brake shoes 01.7
Pivot bars 01.9
Sash locks and keepers 01.10

Information in this document can be modified without notice.

Constant force balances for Hybrid Systems

FERCO

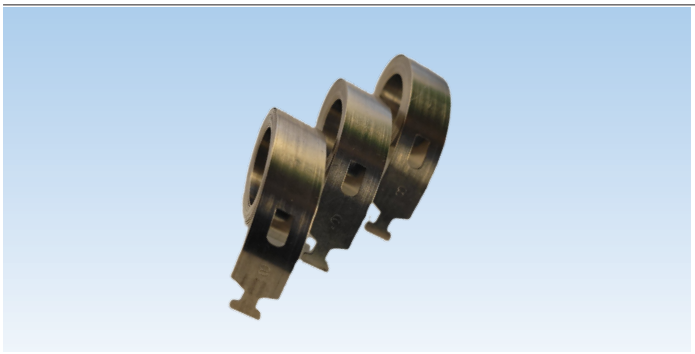


Stackable coils for Hybrid System

Description	Weight (lbs)	PU	Part Number
Cassette & Coil	3.5	300	6-C1643-30-K-0
	4.5	300	6-C1644-30-K-0
	5.5	300	6-C1645-30-K-0
	6.5	300	6-C1646-30-K-0
	7.5	300	6-C1647-30-K-0
	8.5	300	6-C1648-30-K-0
	9.5	300	6-C1649-30-K-0
PU = Packaging Unit			

Additional information

- Hybrid assembled balance for reversed or regular system
- Coils weight printed on cassette
- Stainless Steel 304
- Weight range 3.5 to 9.5 lbs
- 35" vertical travel
- Max sash weight 76lbs (4 springs), combined with Zamac adapter 9-C1611-1M-0-0
- Reduction of inventory management unit (SKU)

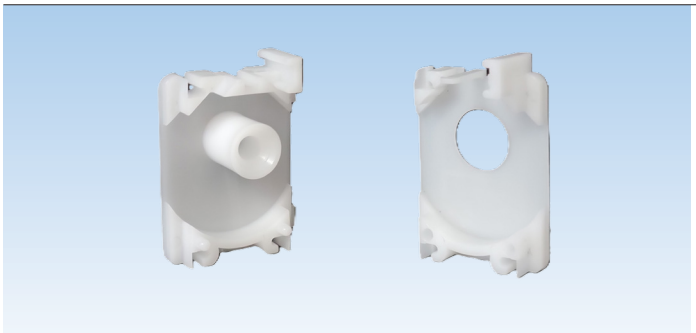


Unassembled coils for Hybrid System

Description	Weight (lbs)	PU	Part Number
Coils only	3.5	300	9-C1643-30-0-0
	4.5	300	9-C1644-30-0-0
	5.5	300	9-C1645-30-0-0
	6.5	300	9-C1646-30-0-0
	7.5	300	9-C1647-30-0-0
	8.5	300	9-C1648-30-0-0
	9.5	300	9-C1649-30-0-0
PU = Packaging Unit			

Additional information

- For use with cassette 9-C1525-0F & 9-C1525-0M
- Stainless Steel 304
- Weight range – 3.5 lbs to 9.5 lbs



Single cassette

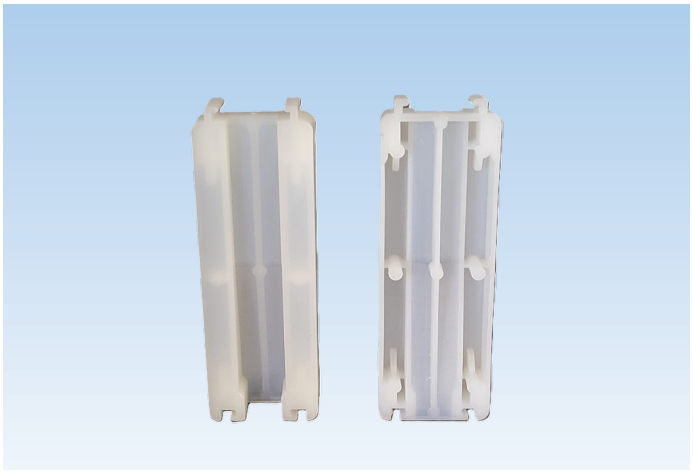
Description	Weight (lbs)	PU	Part Number
Female cassette	White	1000	9-C1525-0F-0-0
Male cassette	White	1000	9-C1525-0M-0-0
PU = Packaging Unit			

Additional information

- Made of white acetal
- Possibility of combining up to 4 cassettes/coils
- With the positioning tabs, the cassette is automatically centered
- More space is allowed between the cassette and the jamb for spring movement
- For use with stackable coil springs 6-C164x

Constant force balances for Hybrid Systems

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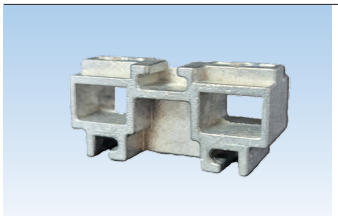


Extension

Description	Color	PU	Part Number
Extension	White	1000	9-C1527-03-0-1
PU = Packaging Unit			

Additional information

- Extension made of fiberglass reinforced nylon
- To facilitate the sash assembly
- Could be used with adapter 9-C1611-1M-0-0
- To be used with brake shoe 6-C1517/6-C1518





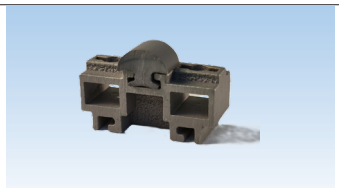
Adapter

Description	Color	PU	Part Number
Zinc Adapter	Zinc	1000	9-C1611-1M-0-0
PU = Packaging Unit			

Additional information

- Could be used with extension 9-C1527-02-0-1
- To be used with brake shoe 6-C1517/6-C1518
- Mandatory for 4 coils assembly



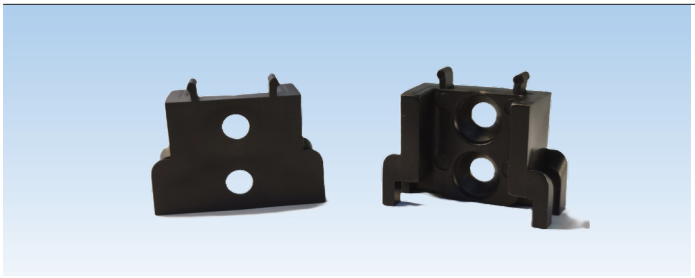


Adapter with Bumper

Description	Color	PU	Part Number
Adapter with Bumper	Grey	1000	6-C1610-1M-0-0
PU = Packaging Unit			

Additional information

- Allows for cushioning if there is contact between the adapter and the cassettes
- Mandatory for 4 coils assembly



Clip for Reversed System

Description	Color	PU	Part Number
Fixing clip Black	Black	1000	9-C1529-00-0-6
Fixing clip White	White	1000	9-C1529-00-0-7
PU = Packaging Unit			

Additional information

- Clip made of fiberglass reinforced nylon
- Frame side fixing clip

Information in this document can be modified without notice.

Constant force balances
and monobloc cassettes

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Coil springs



Drop-in system

Piggy-back Coil Springs -Slot+Short tail

Description	Weight (lbs)	PU	Part Number
Coil springs	3.5	100 500	9-C1613-1C-0-0 9-C1613-5C-0-0
	4.5	100 500	9-C1614-1C-0-0 9-C1614-5C-0-0
	5.5	100 500	9-C1615-1C-0-0 9-C1615-5C-0-0
	6.5	100 500	9-C1616-1C-0-0 9-C1616-5C-0-0
	7.5	100 500	9-C1617-1C-0-0 9-C1617-5C-0-0
	8.5	100 500	9-C1618-1C-0-0 9-C1618-5C-0-0
	9.5	100 500	9-C1619-1C-0-0 9-C1619-5C-0-0
		PU = Packaging Unit	

Piggy-back Coil Springs -Slot+Long tail

Description	Weight (lbs)	PU	Part Number
Coil springs	3.5	500	9-C1633-5C-0-0
	4.5	500	9-C1634-5C-0-0
	5.5	500	9-C1635-5C-0-0
	6.5	500	9-C1636-5C-0-0
	7.5	500	9-C1637-5C-0-0
	8.5	500	9-C1638-5C-0-0
	9.5	500	9-C1639-5C-0-0
		PU = Packaging Unit	

Additional information

- Stainless steel 304
- Weight range – 3.5 lbs to 9.5 lbs
- 1/2" coil spring for a 1.25" pocket
- Max. sash carrying capacity 76 lbs (4 coils)
- 35" vertical travel
- Stamped with weight for easy identification
- Low cost and a reduction of inventory
- To be used with monobloc cassettes

Information in this document can be modified without notice.



Monobloc cassettes

Monobloc cassettes for Piggy-back Coil Springs

Description	Color	PU	Part Number
Single cassette for 1 coil	White	200 1000	9-C1521-2C-0-0 9-C1521-1M-0-0
Double cassette for 2 coils	White	200 1000	9-C1522-2C-0-0 9-C1522-1M-0-0
Triple cassette for 3 coils	White	200 800	9-C1513-2C-0-0 9-C1513-8C-0-0
Quadruple cassette for 4 coils	White	500	9-C1514-5C-0-0

PU = Packaging Unit

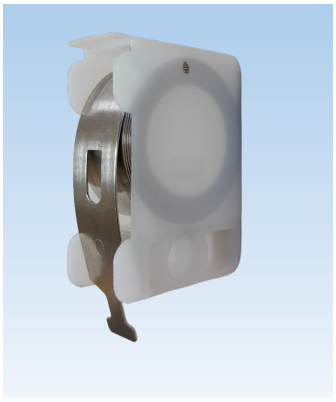
Additional information

- Made of white acetal
- Can be combined with the tandem support for 3 coils
- Self locating coil tabs inside cassette
- Oversize spacers allow for extra coil room
- To be used with piggy-back coils spring
- Use pan screws (9-C9661-1M-0-1)

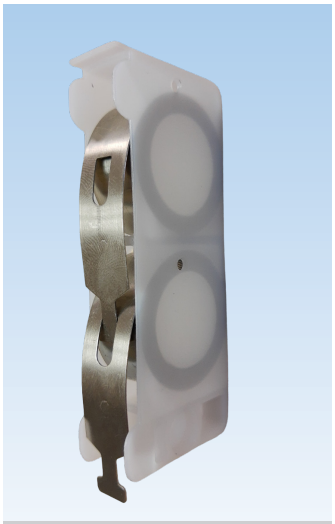
Information in this document can be modified without notice.

Pre-assembled coil Balances

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Simple Springs



Double Spring



Triple Spring

Additional information

- Stainless steel 304
- Weight range 3.5 lbs to 28.5 lbs
- 1/2" coil spring for a 1.25" pocket
- 35" vertical travel

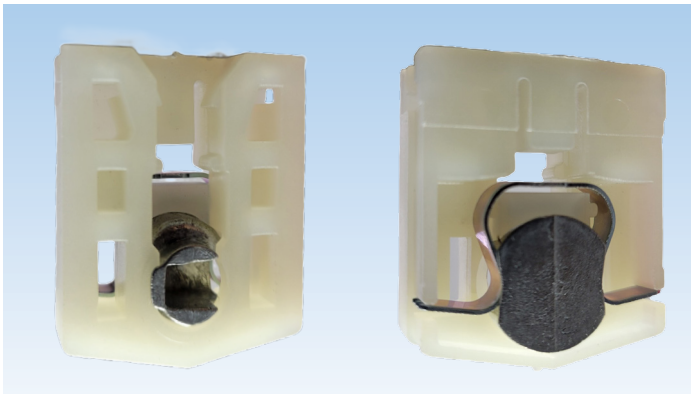
Pre-assembled piggy-back coil balances

Description	Weight (lbs)	PU	Part Number
Simple Spring	3.5	300	6-C1703-30-0-0
	4.5	300	6-C1704-30-0-0
	5.5	300	6-C1705-30-0-0
	6.5	300	6-C1706-30-0-0
	7.5	300	6-C1707-30-0-0
	8.5	300	6-C1708-30-0-0
	9.5	300	6-C1709-30-0-0
Double Spring	10	250	6-C1710-25-0-0
	11	250	6-C1711-25-0-0
	12	250	6-C1712-25-0-0
	13	250	6-C1713-25-0-0
	14	250	6-C1714-25-0-0
	15	250	6-C1715-25-0-0
	16	250	6-C1716-25-0-0
	17	250	6-C1717-25-0-0
	18	250	6-C1718-25-0-0
	19	250	6-C1719-25-0-0
Triple Spring	20	150	6-C1720-15-0-0
	21	150	6-C1721-15-0-0
	22	150	6-C1722-15-0-0
	23	150	6-C1723-15-0-0
	24	150	6-C1724-15-0-0
	25	150	6-C1725-15-0-0
	26	150	6-C1726-15-0-0
	27	150	6-C1727-15-0-0
	28	150	6-C1728-15-0-0

PU = Packaging Unit

Brake shoes

FERCO

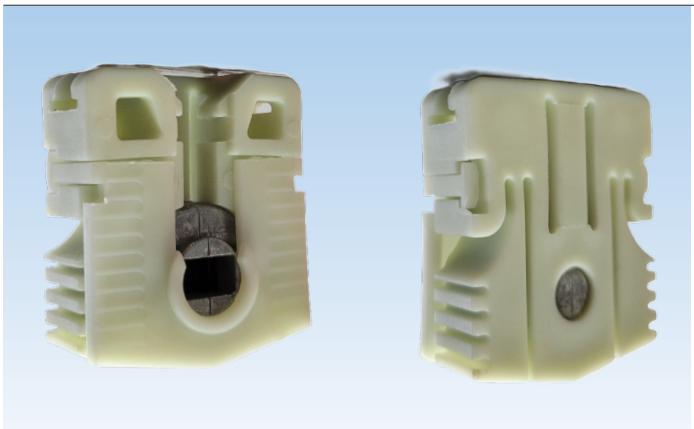


Sides locking brake Shoe

Description	Color	PU	Part Number
Brake shoe	White	200 500	6-C1524-2C-0-0 6-C1524-5C-0-0
			PU = Packaging Unit

Additional information

- Brake shoe made of fiberglass reinforced nylon
- Spring slots closer to center of shoe to reduce twist of shoe in track
- Reinforced spring slot designed to withstand greater pull force
- All edges are rounded to reduce friction
- Side locking shoe with metal brake
- Optional retainer clip 9-C1512-2C-0-0 (recommended)

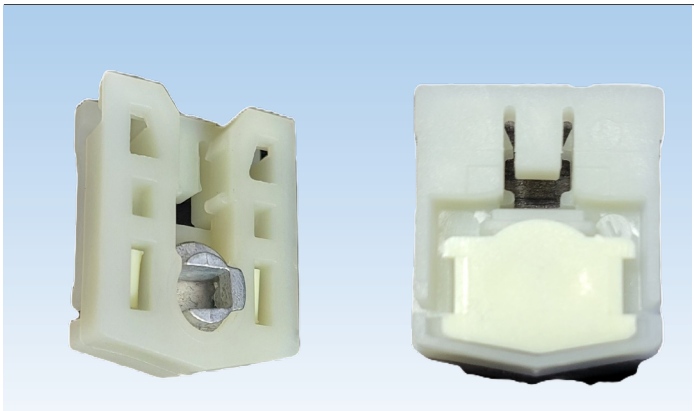


Sides and front locking brake shoe

Description	Color	PU	Part Number
Brake shoe	White	200 500	6-C1523-2C-0-0 6-C1523-5C-0-0
			PU = Packaging Unit

Additional information

- Brake shoe made of fiberglass reinforced nylon
- Spring slots closer to center of shoe to reduce twist of shoe in track
- Reinforced spring slot designed to withstand greater pull force
- All edges are rounded to reduce friction
- Can be used for horizontal sliders
- Brake will engage with as little as 15° of sash turn
- Optional retainer clip 9-C1512-2C-0-0 (for horizontal sliders mandatory)



Back locking brake shoe

Description	Color	PU	Part Number
Back brake shoe	White	1000	6-C1515-1M-0-0
			PU = Packaging Unit

Additional information

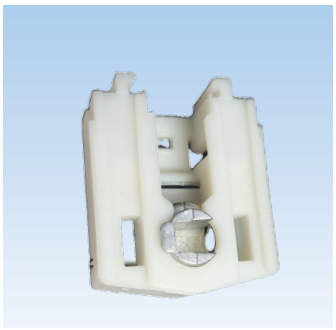
- Brake shoe made of fiberglass reinforced nylon
- Spring slots closer to center of shoe to reduce twist of shoe in track
- Reinforced spring slot designed to withstand greater pull force
- Optional retainer clip 9-C1512-2C-0-0 (mandatory for horizontal sliders)

Information in this document can be modified without notice.

Brake shoes

And retainer Clip

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Brake shoe for Reversed system

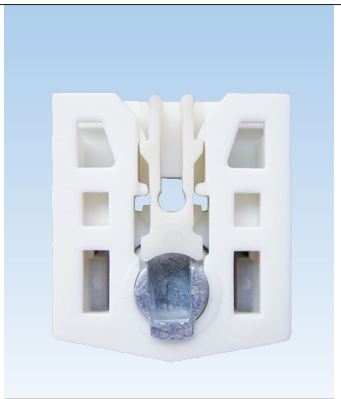
Description	Color	PU	Part Number
Shoe	White	500	6-C1517-5C-0-0
Shoe (CAM for T pivot)*	White	500	6-C1518-5C-K-0
		PU = Packaging Unit	

Additional information

- Brake shoe made of fiberglass reinforced nylon
- Spring slots closer to center of shoe to reduce twist of shoe in track
- Reinforced spring slot designed to withstand greater pull force
- Optional retainer clip 9-C1512-2C-0-0 (mandatory for horizontal sliders)

* Clearance in the CAM for an oversized T-Pivot Bar





Mounted on brake shoe

Pivot bar retainer clip

Description	Color	PU	Part Number
Retainer clip	White	200 1000	9-C1512-2C-0-0 9-C1512-1M-0-0
		PU = Packaging Unit	

Additional information

- Made of fiberglass reinforced nylon
- Compatible with all FERCO brake shoes



Dust cover

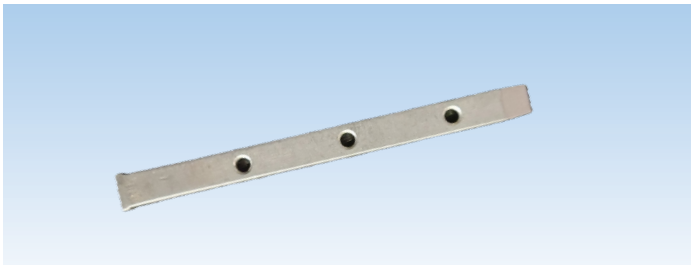
Description	Color	PU	Part Number
Dust cover	White	1000	9-C1508-1M-0-0
		PU = Packaging Unit	

Additional information

- Polyethylene foam
- Use to remove debris buildup that may settle on the extended coil
- Dimensions:
  Width: 32,0 mm
  Depth: 16,0 mm
  Height: 12.7 mm

Pivot bars

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T-shaped pivot bar Stainless Steel

Description	Color	PU	Part Number
Pivot bar in T 100mm	SS	500	9-C1515-5C-0-8
			PU = Packaging Unit

Additional information

- Made of stainless steel
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)

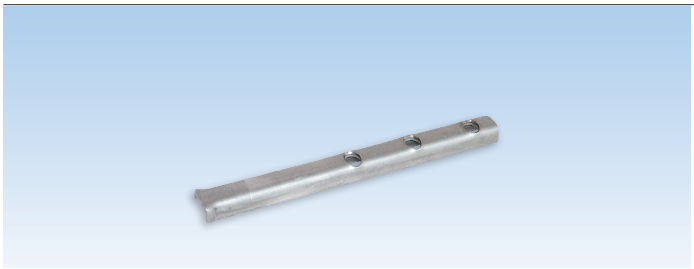


T-shaped pivot bar

Description	Color	PU	Part Number
Pivot bar 76mm	Zamac	200 1000	9-C1506-2C-0-0 9-C1506-1M-0-0
			PU = Packaging Unit

Additional information

- Made of Zamac
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)

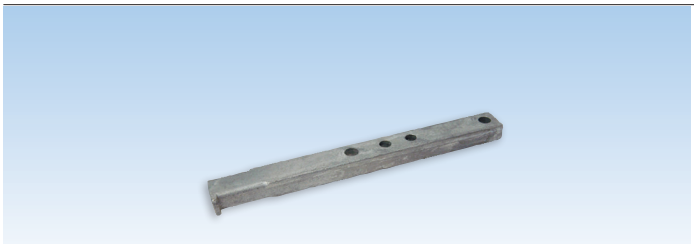


Stainless Steel pivot bar

Description	Color	PU	Part Number
Pivot bar 76mm	SS	200 1000	9-C1504-2C-0-8 9-C1504-1M-0-8
			PU = Packaging Unit

Additional information

- Made of stainless steel
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)



Zamac pivot bar

Description	Color	PU	Part Number
Pivot bar 76mm	Zamac	200 1000	9-C1507-2C-0-1 9-C1507-1M-0-1
			PU = Packaging Unit

Additional information

- Made of Zamac
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)

Information in this document can be modified without notice.



Zamac pivot bar

Description	Color	PU	Part Number
Pivot bar 76mm	SS	1000	9-C1517-1M-K-0
			PU = Packaging Unit

Additional information

- Made of Zamac
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)



Zamac Pivot bar 90°

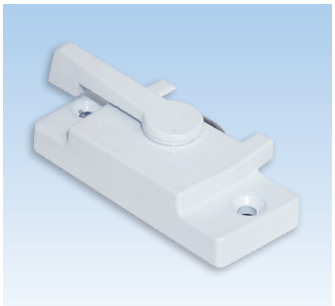
Description	Color	PU	Part Number
Pivot bar **90°**	SS	1000	9-C1516-1M-K-0
			PU = Packaging Unit

Additional information

- Made of Zamac
- Use with brake shoe
- Use #6 x 12 pan screws (9-C9661-1M-0-1)

Sash locks
and keepers

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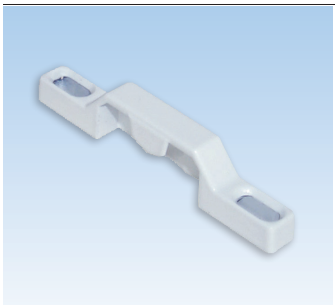


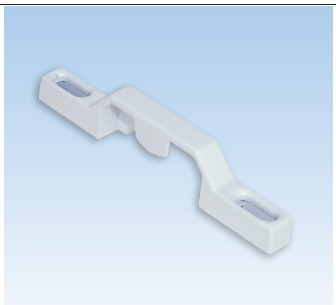
Sash lock with alignment guides

Description	Color	PU	Part Number
Sash lock Dim. B = 11mm	White	200	6-C1181-2C-0-7
Sash lock Dim. B = 18mm	White	200	6-C1183-2C-0-7
		PU = Packaging Unit	

Additional information

- Sturdy zinc die cast construction
- Choice of two mounting hole locations:
  6-C1181 (Dim. B = 11mm)
  6-C1183 (Dim. B = 18mm)
- Alignment guides align lock to keeper perfectly and provide additional security
- Used with keepers:
  9-C1181-2C-0-7
  9-C1183-2C-0-7



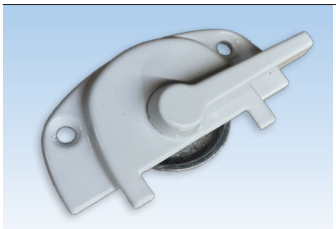


Keepers

Description	Color	PU	Part Number
Keeper 7.4mm width	White	200	9-C1181-2C-0-7
Keeper 6.5mm width	White	200	9-C1183-2C-0-7
		PU = Packaging Unit	

Additional information

- Sturdy zinc die cast construction
- Used with locks:
  6-C1181-2C-0-7
  6-C1183-2C-0-7
- Use #6 screws

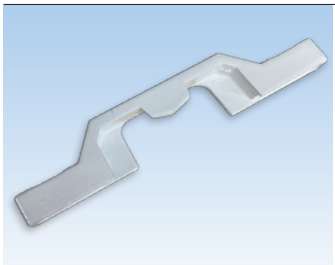


Sash lock

Description	Color	PU	Part Number
Sash lock	White	200	6-C1173-2C-0-27
		PU = Packaging Unit	

Additional information

- Sturdy zinc die cast construction
- Used with keeper 9-C1173-2C-0-27



Keepers

Description	Color	PU	Part Number
Keeper 8.3mm width	White	200	9-C1173-2C-0-27
		PU = Packaging Unit	

Additional information

- Sturdy zinc die cast construction
- Used with locks 6-C1173-2C-0-27
- Use #6 screws

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