

# Technical Data Sheet

## ASSA ABLOY SL500 Overhead Concealed

**ASSA ABLOY**  
Entrance Systems

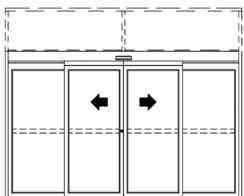
Experience a safer  
and more open world



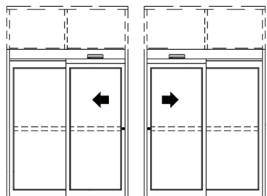
The ASSA ABLOY SL500 provides attractive, convenient and practical solutions for door automation at any facility, with a variety of options and configurations. This powerful sliding door system is engineered for high traffic flow environments and provides 20% faster opening speeds. When reliability and rugged performance are required, the ASSA ABLOY SL500 delivers one of the strongest doors on the market today.

### Configurations

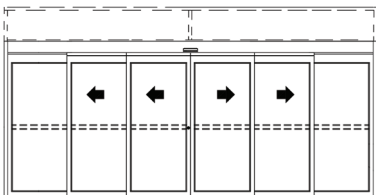
	Narrow	Medium	Wide
Vertical Stiles	2-1/8"	4"	5"
Bottom Rails	4"	7"	10"



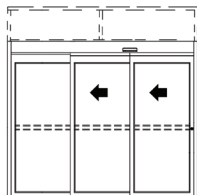
SL500 Bi-Parting Narrow Stile



SL500 Single Slide Narrow Stile



SL500 Bi-Parting Telescopic Narrow Stile



SL500 Single Slide Telescopic Narrow Stile

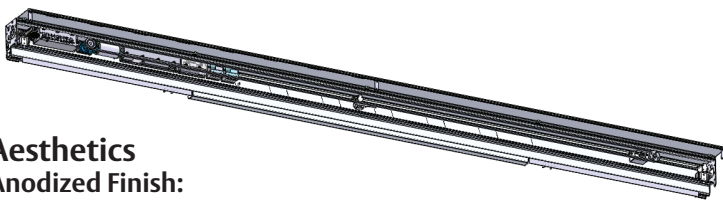
From hospital entrances to retail applications, the smooth, quiet operation and flexible platform make the ASSA ABLOY SL500 ideal for any application. Thanks to its slim header, this door fits seamlessly into even the most demanding architectural scheme.

### Features

- Meets ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors.
- UL 325 listed.
- Medium to heavy pedestrian traffic.
- Emergency breakout to meet Life Safety Codes.
- Heavy-duty 4" long anti-risers for improved stability, which results in smoother performance and less risk of "jumping" off track.
- Two heavy duty Delrin roller wheels per wheel assembly, for a total of four (4) roller wheels, 1-7/16 inch (36.51 mm) diameter, per active door leaf for operation over a replaceable aluminum track.
- Continuous hinge at top of header allows for complete access to operator and internal electronic and mechanical assemblies

Bi-Parting Narrow Stile			Bi-Parting Telescopic Narrow Stile		
	Min	Max		Min	Max
Frame Width	96"	192"	Frame Width	120"	192"
Clear Opening	36"	84"	Clear Opening	59 <sup>3</sup> / <sub>16</sub> "	107 <sup>3</sup> / <sub>16</sub> "
Mounting Height	90"	90"	Mounting Height	90"	90"
Clear Opening	89 <sup>3</sup> / <sub>4</sub> "	89 <sup>3</sup> / <sub>4</sub> "	Clear Opening	89 <sup>3</sup> / <sub>4</sub> "*	89 <sup>3</sup> / <sub>4</sub> "
Max. Transom Height Available	124"		Max. Transom Height Available	124"	
Single Slide Narrow Stile			Single Slide Telescopic Narrow Stile		
	Min	Max		Min	Max
Frame Width	84"	108"	Frame Width	108"	144"
Clear Opening	35 <sup>1</sup> / <sub>4</sub> "	47 <sup>1</sup> / <sub>4</sub> "	Clear Opening	60 <sup>7</sup> / <sub>16</sub> "	84 <sup>7</sup> / <sub>16</sub> "
Mounting Height	90"	90"	Mounting Height	90"	90"
Clear Opening	89 <sup>3</sup> / <sub>4</sub> "	89 <sup>3</sup> / <sub>4</sub> "	Clear Opening	89 <sup>3</sup> / <sub>4</sub> "	89 <sup>3</sup> / <sub>4</sub> "
Max. Transom Height Available	124"		Max. Transom Height Available	124"	
Authorities					
Operator Type			DC Electro-mechanical 1/4 HP		
Door Width			Max. 16'		
Door Weight			300 lbs.		
Power Supply			85V-265V adjusting automatically		
Power Consumption			250W		
AMP Requirements			A maximum of 3 amp draw, allowing 5 operators on one 20 amp circuit		
Electro-Mechanical Locking Device			Fail Safe/Fail Secure		
Glass Compatibility			1/4", 5/8", 1", 1-1/4"		
Opening Time			1.5 Sec. Max. size* (700mm/sec.)		
Closing Time			3.5 Sec. Max. size*		
Hold Open Time			0-60 adjustable		
Ambient Temperature			-31° F to 122° F (-35° C to 50° C)		
Usage			This product can be installed internally or externally with suitable weather protection		
Complies and exceeds			ANSI A156.10, ANSI A117.1, ICC/IBC - International Building Code. CUL - Approved for use in Canada. NFPA 70 - National Electrical Code. NFPA 101 - Life Safety Code.		

\* Consult ASSA ABLOY for custom configurations



## Aesthetics

### Anodized Finish:

Clear, Dark Bronze, Custom anodized to match architects sample.

### Painted Finish:

Powder coat painted to match architect's sample.

Kynar finish, to match architect's sample.

### Clad Finish:

Stainless steel with #4 satin finish.

Stainless steel with #8 mirror like, reflective, non-directional finish.

Bronze with a satin finish.

Bronze with a polished, non-directional finish.

Brass with a satin finish. Brass with a polished, non-directional finish.

## Optional Features

- Convenience Battery: Capable of full operation with blackout conditions, including sensor capabilities for minimum of 100 cycles.
- Digital Cycle Counter: Battery powered, 7 digit LCD cycle counter with a reset feature to track door usage cycles
- Eco Door Package - ASHRAE 90.1 Compliant
- Access Control Package
- Clean Room
- Self-cleaning guide (available for full breakout units): automatically clears track debris to reduce friction and resistance during operation

## Access Control Package

### Electric Lock Management (Option)

Electrified slide lock automatically locks the sliding function of all sliding door panels within the entrance when the door panels are in the closed position.

- **Fail secure operation:** Slide lock shall lock the sliding function of the door panels upon loss of power.
- **Fail safe operation:** Slide lock shall unlock the sliding function of the door panels upon loss of power.

## Exit Device

Locks the breakout function while allowing emergency egress at all times. Automatic locking for the sliding door when the door control switch is in the closed position.

- Recessed Exit Device
- Surface Mounted Exit Device

## Complies with

1. ANSI A156.10, ANSI A117.1,
2. 2. ICC/IBC - International Building Code.
3. 3. UL/CUL - Approved for use in Canada and USA.
4. 4. NFPA 70 - National Electrical Code.
5. 5. NFPA 101 - Life Safety Code.

## Activation

### Sensor Package

#### ANSI A156.10

Combination Activation Motion Sensor/Safety Presence Sensor utilizing K-band microwave technology

1. Motion Sensor to activate door
2. Presence Detector while door is closing, mounted on each side of header

## Knowing Act/Manual Activation

1. Push Plates to activate door
2. Presence Detector mounted on each side of header