

Technical Data Sheet

ASSA ABLOY SL500 Resilience R104

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



The ASSA ABLOY SL500 Resilience R104 offers both strength and an array of options to meet all your needs in specifying, installing and owning hurricane rated sliding doors. Available in overall frame widths of up to 16' for bi-parts, 9' for single slides and overall frame heights of 104", you get both strength and size. Coupled with an elevated ASTM F842-17 Forced Entry Resistance rating of Grade 25, the ASSA ABLOY SL500 Resilience R104 provides higher security than ever.

Features

- ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors compliant
- TAS 202 and ASTM E283 for air leakage rate below 1.0 CFM/square foot
- Full dry-glazed system that allows for glass replacement on site
- Attractive lock bodies that allow for single point of release per operable panel
- Emergency breakout to meet Life Safety Codes
- Replaceable track that extends the life of the overall door package
- Two heavy duty high performance plastic 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

Optional Features

- **Convenience Battery:** Capable of full operation with black out 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

Access Control Package Electric Lock Management (Optional)

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 (Optional for FBO only)

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.

- Optional surface mounted panic device available to comply with NFPA 101 Emergency egress requirements.
- Impact door packages with panic devices are rated to 80 PSF.

Complies with

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

Activation Sensor Package ANSI/BHMA A156.10 compliant

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. Wave Plates or Push Plates to activate door
2. Motion and Presence Detector mounted on each side of header for ANSI/BHMA A156.10 compliance, sensors disabled at closed position

Aesthetics

Anodized Finish:

Clear, Dark Bronze, Custom anodized to match architect's sample.

Painted Finish:

Powder coat painted to match architect's specs.

	Bi-Parting Narrow Stile		Single Slide Narrow Stile	
	Min	Max	Min	Max
Frame Width	120"	192"	80"	108"
Clear Opening	45 3/4"	81 3/4"	32"	46"
Mounting Height	90"	104"	90"	104"
Clear Opening	80"	94"	80"	94"

Operator Type	DC Electro-mechanical 1/4 HP
Max Panel Width	Narrow Stile: Bi-Part is 48-3/4", single slide 54-3/4" (narrow)
Door Weight	max weight 400 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
Impact Levels/Glass Compatibility	Level D: large missile impact test rated at 50 feet per second and is available in 9/16 and 1in insulated glass Non-Impact: Non-impact entrances require shutter system for use in wind borne debris regions Level E (FBO Only): large missile impact test rated at 80 ft per second and is available in 9/16 glass.

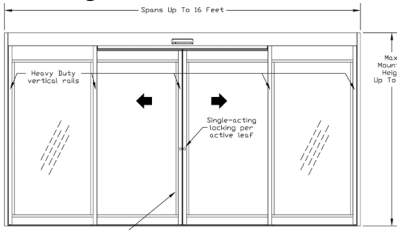
Opening Time	1.5 Sec. Max. size* (700mm/sec.)
Closing Time	3.5 Sec. Max. size*
Hold Open Time	0-60 adjustable
Ambient Temperature	-31° F to 122° F (-35° C to 50° C)
Usage	This product can be installed internally or externally with suitable weather protection

Complies and exceeds	ANSI/BHMA A156.10, ICCA117.1, ICC/IBC - International Building Code, CUL - Approved for use in Canada, NFPA 70 - National Electrical Code, NFPA 101 - Life Safety Code.
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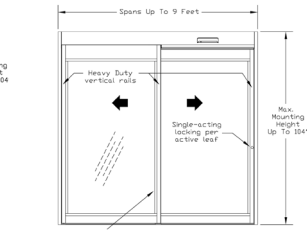
Configurations *Consult ASSA ABLOY for custom configurations

	Narrow	Medium
Vertical Stiles	2-1/4"	4"
Bottom Rails	4"	7"

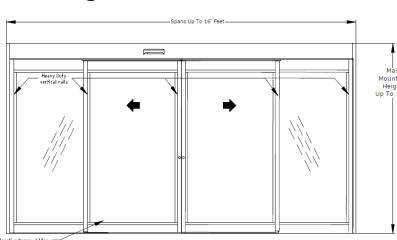
SL500 Resilience R104 FBO Bi-Parting Narrow Stile



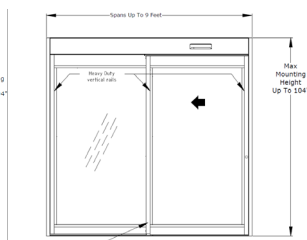
SL500 Resilience R104 FBO Single Slide Narrow Stile



SL500 Resilience R104 FSL Bi-Parting Narrow Stile



SL500 Resilience R104 FSL Single Slide Narrow Stile



ASSA ABLOY Entrance Systems
Tel: 1-866-237-2687 (US) • 1-888-608-9242 (Canada)
info-automatic.na.entrance@assaabloy.com
assaabloyentrance.us • assaabloyentrance.ca

PSF Ratings

		FBO Single Slide Impact Level E							
		Frame Width							
		80	84	88	92	96	100	104	108
Frame Height	90-104	80	80	80	80	80	80	80	80

		FBO Bi-Part Impact Level E			
		Frame Width			
		120	144	168	192
Frame Height	90-104	80	80	80	80

		FBO Single Slide Impact Level D							
		Frame Width							
		80	84	88	92	96	100	104	108
Frame Height	90	125	119	113.6	108.7	104.2	100	96.2	92.6
	92	123.5	117.6	112.3	107.4	102.9	98.8	95	91.5
	94	121.9	116	110.8	106	101.5	97.5	93.7	90.3
	96	120.2	114.4	109.2	104.5	100.1	96.1	92.4	89
	98	118.8	113.1	108	103.3	99	95	91.4	88
	100	117.4	111.8	106.7	102.1	97.8	93.9	90.3	87
	102	116.2	110.6	105.6	101	96.8	92.9	89.3	86
	104	114.8	112	104.3	99.8	95.6	91.8	88.3	85

		FBO Bi-Parting Impact Level D			
		Frame Width			
		120	144	168	192
Frame Height	90	115	107.5	99.9	92.4
	92	112.5	105.1	97.8	90.4
	94	110.1	102.9	95.7	88.5
	96	107.8	100.8	93.7	86.7
	98	105.6	98.7	91.8	84.9
	100	103.5	96.7	90	83.2
102	101.5	94.9	88.2	81.6	
104	99.5	93	86.5	80	

		FSL Single Slide Impact Level D							
		Frame Width							
		80	84	88	92	96	100	104	108
Frame Height	90-104	80	80	80	80	80	80	80	80

		FSL - Bi-Part Impact Level D			
		Frame Width			
		120	144	168	192
Frame Height	90-104	80	80	80	80

Approvals/Code Compliances

AAMA 1304 & ASTM F482
TAS 202, ASTM E 330-97 Static Air Pressure
TAS 202, ASTM E 283-99 Air Filtration
TAS 201, ASTM E 1996-02 Impact, Large Missile
TAS 203, ASTM E 1996 Cyclical Test

Florida Approvals:

- Impact/Non Impact FBO/FSL Bi-Part and Single Slide - 30356

Miami-Dade Approvals:

	ASSA ABLOY SL500 Resilience R104 Door Package	Miami-Dade Approval Number
FBO - Bi-Part/SingleSlide - Impact Level D		NOAH 21-0324.07
FBO - Bi-Part/SingleSlide - Impact Level E		NOAH 21-0324.08
FBO - Bi-Part/SingleSlide - Non-Impact		NOAH 21-0324.09
FSL - Bi-Part/SingleSlide - Impact Level D		NOAH 21-0324.10
FSL - Bi-Part/SingleSlide - Non-Impact		NOAH 21-0324.11



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