

# Sliding door ASSA ABLOY SL500 Resilience R104

**ASSA ABLOY**  
Entrance Systems

Experience a safer  
and more open world

Extraordinary design pressures  
with expansive sizes





# High PSF and so much more

Until now, building owners in hurricane zones needed to make a choice...an automatic door that could withstand high design pressures, or one that was available in oversize width or heights. With the introduction of the ASSA ABLOY SL500 Resilience R104 FBO, both criteria can be met, making it the definitive choice for hurricane-resistant automatic doors.

The range of PSF hurricane ratings available with this product is only the beginning. The ASSA ABLOY SL500 Resilience R104 FBO 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 FBO provides higher security than ever.

## PSF Scales

Single Slide Impact  
Level E

|              |        | Frame Width |    |    |    |    |     |     |     |
|--------------|--------|-------------|----|----|----|----|-----|-----|-----|
| Frame Height |        | 80          | 84 | 88 | 92 | 96 | 100 | 104 | 108 |
|              | 90-104 | 80          | 80 | 80 | 80 | 80 | 80  | 80  | 80  |

Bi-Part Impact  
Level E

|              |          | Frame Width |     |     |     |  |
|--------------|----------|-------------|-----|-----|-----|--|
| Frame Height |          | 120         | 144 | 168 | 192 |  |
|              | 90 - 104 | 80          | 80  | 80  | 80  |  |

Single Slide Impact  
Level D

|              |     | Frame Width |       |       |       |       |      |      |      |
|--------------|-----|-------------|-------|-------|-------|-------|------|------|------|
| Frame Height |     | 80          | 84    | 88    | 92    | 96    | 100  | 104  | 108  |
|              | 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   |

Bi-Part Impact  
Level D

|              |     | Frame Width |       |      |      |  |
|--------------|-----|-------------|-------|------|------|--|
| Frame Height |     | 120         | 144   | 168  | 192  |  |
|              | 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   |  |

\*PSF rating varies from 80 to 125 based on height, width and impact level. Impact packages with an optional panic device are rated for 80 PSF. For more information on PSF ranges consult our PSF size calculator on the product page at [assaabloyentrance.us](http://assaabloyentrance.us) or [assaabloyentrance.ca](http://assaabloyentrance.ca)





# Features & Options

The ASSA ABLOY Resilience R104 FBO is available with various features and options to meet your needs.



## Aesthetics & Function

### Attractive Lock Bodies/Single Point of Release

The R104 features attractive lock bodies and allows for a single point of release per operable panel that complies with NFPA 101 Life Safety Code.

### Narrow Stile

Don't sacrifice strength for aesthetics. The R104 performs in the most demanding conditions while maintaining clear modern site lines with the attractive appearance of narrow stiles.

### Recessed Threshold

The full length recessed threshold option is available for applications where maintaining an even floor through a door opening is critical for aesthetics and convenience.

### Improved Interlocks

New and improved high strength steel interlocks that secure the sidelite when doors are locked while maintaining a high-end aesthetic appearance.

## Customizable options to meet your needs

### Panic Device

The R104 has been tested for Level E Essential Facilities. An optional surface mounted panic device rated at 80 PSF is available on all impact levels to comply with NFPA 101 emergency egress requirements.



### Energy-efficient insulated glass and air infiltration

With optional Level D impact rated 1" insulated glass, there doesn't have to be a choice between protection and energy efficiency. Paired with TAS 202 testing for air leakage rate below 1.0 CFM per square foot per minute and a high-efficiency single motor drive system, the R104 is one of the most energy-efficient products in the market today.

### Muntins

The R104 can be outfitted with 1-3/4" or 4" true divided muntins or 1-3/4" or 4" surface applied muntins.

### Non-Impact

A high-performance non-impact product is also available at these same heights and widths. An impact-resistant shutter system is required for use in windborne debris system.



Serviceability

Dry Glazing

The Resilience R104 is designed for use with hurricane impact resistant glass and features a strong yet time saving dry-glazing system that allows glass to be replaced on-site without requiring the multi-week curing time of traditional wet glazing systems.

Replaceable track

Replaceable track decreases service time if the track is worn and needs replacement and extends the life of the overall door package

Modular Design

Allows ease of package refurbishment when near end of life cycle or after a damaging weather event, potentially reducing the need to replace the entire door package.



Level D Impact

Level D, the standard impact level for high-velocity hurricane zones, is a large missile impact test rated at 50 feet per second. Level D is available in 9/16” and 1” insulated glass. It complies with NFPA 101 Life Safety Code.



Level E Impact

Level E, is large missile impact test rated at 80 ft per second and is available in 9/16” glass. It is required under new code for essential facilities and complies with NFPA 101 Life Safety code.

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 Bi-Part and Single Slide - 30356



Miami-Dade Approvals:

| ASSA ABLOY<br>SL500 Resilience R104<br>Door Package |                                     | Miami-Dade<br>Approval<br>Number |
|---|-------------------------------------|----------------------------------|
| FBO   | Bi-Part/SingleSlide Impact Level D  | NOA# 21-0324.07                  |
| FBO   | Bi-Part/Single Slide Impact Level E | NOA# 21-0324.08                  |
| FBO   | Bi-Part/SingleSlide Non-Impact      | NOA# 21-0324.09                  |
| FSL   | Bi-Part/Single Slide Impact Level D | NOA# 21-0324.10                  |
| FSL   | Bi-Part/SingleSlide Non-Impact      | NOA# 21-0324.11                  |



Security

The ASSA ABLOY Resilience R104 has a forced Entry Resistance rating of Grade 25. Coupled with high PSF ratings and optional security contacts, the R104 provides higher security than ever.



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ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of goods and people. Our offering includes a wide range of automated pedestrian, industrial and residential doors, loading dock equipment and services.



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