AD8500 Narrow Design Rim Exit Device for Aluminum Doors

80 Series

SARGENT®

ASSA ABLOY



AD8500 Series

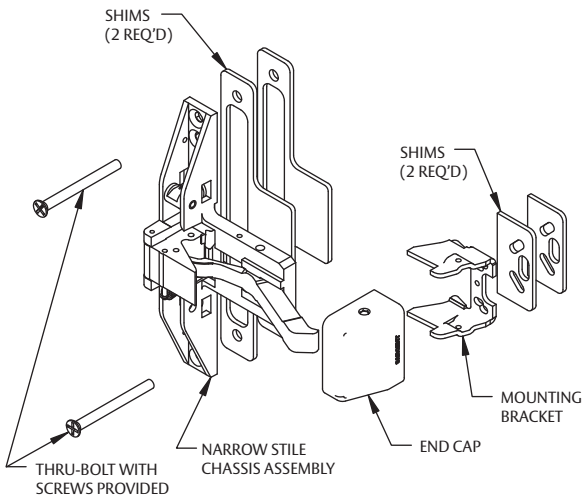
Narrow Design Rim Exit Device

Specifications for AD8500 Series Exit

Door Type	Aluminum Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	2" (114mm) minimum stile (Less Trim)
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion
Dogging Feature	Hex key dogging standard; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm)

535 Kit for Windstorm Applications (WS-AD8500)

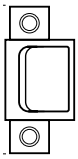
- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"
- 649 Strike Pack
- 651 Stabilizer Kit



AD8500 Features

- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- Available Windstorm-rated; order WS-

657 Standard Strike for 8500



- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated

651 Mullion Stabilizer Kit



- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

656 Mullion Strike



- Surface applied
- Use with 980 mullions
- Black nylon coated

604 Wear Plate Kit



- Surface applied
- Accommodates all sizes of door frame face

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AD8500 Narrow Design Rim Exit Device Functions & Trim

80 Series

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How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	F1-83-56	AD85	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

AD8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8 & 774-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 4 AD8500 Panic
04*	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8506 x ET_
10	01	No outside operation (No Cylinder)	AD8510
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	AD8510 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8513 x ET_
15	14	Passage Only (No cylinder)	AD8515 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	AD8540 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8543 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	AD8544 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8546 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	AD8573 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	AD8574 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

* Consult factory when using with cylinders from other manufacturers

** Cylinder override is not available with AD8500 Series Devices

Trim designations

Series



AD8500 Panic

Pull Trim Section	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	
 862 Pull	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x 862 Pull only
	10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8510 x 862 Pull only

Options

AD8500

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
* SG-
TL-
WS-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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