



Package Width	Rough Opening Width	Clear Slide Opening	Door Panel Width	Breakout Width
(9'-6") 114" [2896]	114 1/2" [2908]	39 15/16" [1091]	29 11/16" [792]	103" [2616]
(10'-0") 120" [3048]	120 1/2" [3061]	42 15/16" [1091]	31 3/16" [792]	109" [2769]
(12'-0") 144" [3658]	144 1/2" [3670]	54 15/16" [1395]	37 3/16" [944]	133" [3378]
(14'-0") 168" [4267]	168 1/2" [4280]	66 15/16" [1700]	43 3/16" [1097]	157" [3988]
(16'-0") 192" [4877]	192 1/2" [4890]	78 15/16" [2005]	49 3/16" [1249]	181" [4597]
Width Formulas	(Package Width) + 1/2" [13]	(Package Width / 2) - 17 1/16" [433]	(Package Width / 4) + 1 3/16" [30]	(Package Width) - 11" [279]

▽ INDICATES SINGLE ANCHOR LINE (IN-LINE)  
▼ INDICATES STAGGERED ANCHORS

- This Hurricane Rated Bi-part door package consists of:
  - Operator:
    - Two combination motion/presence sensors (one on each side) (See sensor options page).
    - ESA II motor drive unit with self-learning and self-monitoring microprocessor controller.
    - Jamb mounted 5 function rocker switch panel (see mode switch options page).
  - Panels:
    - 4-1/2" [114] Medium stile door panels (including 3/4" [19] wide glass stop).
    - 7-1/2" [190] Bottom rails (including 3/4" [19] wide glass stop).
    - 1-3/4" [44] x 4-1/2" [114] Smooth jambs.
    - Vertical and horizontal weather seal Santoprene rubber type weather stripping.
    - MS series two point mortise lock. 5-point lock with reinforced pins.
    - 3/4" [19] wide snap-in glass stops at interior for glazing with security stops on exterior for wet-glazing 5/16" [8] thick laminated glass.
    - 1-3/4" [19] wide snap-in glass stops at interior for glazing with security stops on exterior for wet-glazing 5/16" [8] thick laminated glass.
    - 7" [178] x 1/2" [13] Beveled Threshold.
    - Breakaway reinforced sliding door panels (SX) and reinforced breakaway sidelights (SO) panels.
    - ITS96 Closer installed in SX panels.
    - 1/2" [13] x 4-1/2" [114] Surface applied track & threshold.
    - Anti-Derail Hardware.
  - Glass Type:
    - 1/4" HS - 0.045 Dupont Butacite PVB interlayer - 0.007" Dupont abrasion-resistant polyester (Pressure rating: +45.0 PSF, -45.0 PSF) check pressures.
    - 1/8" HS - 0.075 Solutia Vanceva interlayer - 1/8" HS (Pressure rating: +52.4 PSF, -52.4 PSF).
    - 1/4" HS - 0.075 Solutia Vanceva interlayer - 1/4" HS (Pressure rating: +52.4 PSF, -52.4 PSF).
  - Finishes:
    - Clear anodized (BHMA 204).
    - Dark Bronze anodized (BHMA 313).
- Typical Package Options:
  - Finishes: special anodized, PVDF (wet) paint, powder coat and cladding available for header, panels and jambs only.
  - Bottom Rails: 7 1/2" [190] or 10" [254].
  - Locking and Security Options:
    - Autolock sliding carrier lock concealed in header.
    - Surface mounted exit devices, (SX panels).
  - Impact & Non-Impact version available.
  - Surface applied muntins.
- Drawing Notes:
  - Drawing dimensions are in English & Metric units. Metric units are displayed as: 1" [25] millimeters.
  - Special Application Dimensions:
    - Each door package is manufactured to your custom size requirements.
    - Package Width: Min. 9'-6" [2896] to Max. 16' [4877].
    - Package Height: Min. 7' 4 1/2" to Max. 8'-8" [2642].
    - SX Panel Width: Max. 49-1/2" [1257].
    - SX Panel Weight: Max. weight 225 lbs [102kg].
    - SX Panel Size Limit = (SX Panel Width x Weight) < 800 ft-lbs [1084 N-m] Max.
  - Anchor Schedule:
    - 1/4" [6] ITW Tapcons with 1-3/4" [45] Min. Embed. into Min. 3000PSI concrete.
    - 1/4" [6] Grade 5 metal screws to A36 Steel or 6063-T5 Aluminum alloy at 1/8" [3] min. thickness.
    - 1/4" [6] Grade 5 metal screws with 1-1/2" [38] Min. thread penetration to wood, 1" [25] Min. edge distance for 2 x Wood Buck only.
  - Anchor Notes:
    - See exterior elevation and detail views for anchor locations and/or spacing.
    - Anchors shall be installed in accordance with manufacturer's recommendations.
    - Ensure minimum 2-1/2" [63] edge distance for all anchors to concrete.
    - Edge distance of 1/2" [13] is acceptable for anchors to steel or aluminum.
    - Wood host structure shall be "Southern Pine" G=0.55 or greater density.
    - Minimum embedment shall be as noted in the anchor schedule.
    - Minimum embedment and edge distance excludes Stucco, Foam, Brick and other wall finishes.
    - Where existing structure is wood framing, existing conditions may vary. Field verify that fasteners are into adequate wood framing members, not into plywood.
- Power Requirements:
  - 120V +/- 10%, 50/60 Hz, 6.6A peak, 250 W. Up to 4 operators on a single 20A breaker. Service to header by electrician.
- Standards of Compliance:
  - This product has been tested and designed in accordance with the requirements of the Florida building code - High Velocity Hurricane Zone (HVHZ) and HVHZ test protocol TAS 201, 202, & 203 large missile impact resistant system.
  - Units are large missile impact resistant and do not require impact resistant shutters for exterior door installations.
  - Permit holder shall verify the adequacy of the existing bucks not by this product manufacturer shall be anchored properly to transfer loads to the host structure.
  - Positive and negative design pressures calculated for use with this system shall be determined by others on a job specific basis in accordance with the governing code.
  - UL 325 & CSA 22.2 (listed with ETL).
  - Designed to comply with these standards depending on installation and application.
    - International Building Code (section 1008).
    - ANSI/ BHMA 156.10.
    - ANSI/ BHMA 156.38.
    - NFPA 101 Life Safety Code (Section 7.2.1.9).
  - Minimum ADA is 32" clear slide opening.
- Contact dormakaba Architectural Services for more information:
  - Phone: 1-844-SPEC-NOW (1-844-773-2669)

ESA300-HP\_BM Sheet 1 of 1

**dormakaba**

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Drawing Title: **ESA300-HP AUTOMATIC SLIDING DOOR**

**FULL BREAKOUT HURRICANE RATED BI-PART MEDIUM STILE**

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