# Series 700 Tech Data – Off-Set & Flush Mount Subframe

## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Page#</th>
<th>Contents:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Warranty</td>
</tr>
<tr>
<td>2</td>
<td>Freight Claims Information</td>
</tr>
<tr>
<td>3-8</td>
<td>Written Specifications</td>
</tr>
<tr>
<td>9</td>
<td>Typical Packaging of Pre-Assembled Door Systems</td>
</tr>
<tr>
<td>10</td>
<td>Door Leaf Details – Core &amp; Preps</td>
</tr>
<tr>
<td>11</td>
<td>Door Leaf Details – Hardware Locations</td>
</tr>
<tr>
<td>12</td>
<td>Standard Door Frame Details</td>
</tr>
<tr>
<td>13</td>
<td>Standard Subframe Details &amp; Extensions</td>
</tr>
<tr>
<td>14</td>
<td>Off-Set Mounted Subframe Detail</td>
</tr>
<tr>
<td>15</td>
<td>Latchguard Details</td>
</tr>
<tr>
<td>16</td>
<td>Grade 2 Keyed Entry Lever Details</td>
</tr>
<tr>
<td>17</td>
<td>Grade 1 Keyed Entry Lever Details</td>
</tr>
<tr>
<td>18</td>
<td>Grade 1 Standard-Duty Rim Exit Device (Panic) Von Duprin 22 Series</td>
</tr>
<tr>
<td>19</td>
<td>Grade 1 Heavy-Duty Rim Exit Device (Panic) Von Duprin 99 Series</td>
</tr>
<tr>
<td>20</td>
<td>Grade 1 Heavy-Duty Rim Exit Device (Panic) Falcon 25 Series</td>
</tr>
<tr>
<td>21</td>
<td>Grade 1 Heavy-Duty Mortise Exit Device (Panic) Falcon 25 Series</td>
</tr>
<tr>
<td>22</td>
<td>Grade 1 Heavy-Duty Mortise Lever/Lever Lockset w/Deadbolt, Schlage</td>
</tr>
<tr>
<td>23</td>
<td>LCN Closers Page – Standard, Medium and Heavy-Duty</td>
</tr>
<tr>
<td>24</td>
<td>Crash (Wind) Chain</td>
</tr>
<tr>
<td>25</td>
<td>Hinge Details – Standard &amp; Optional</td>
</tr>
<tr>
<td>26</td>
<td>Full-Surface Continuous Hinge Details</td>
</tr>
<tr>
<td>27</td>
<td>Standard Door Bottom Sweep Details</td>
</tr>
<tr>
<td>28</td>
<td>Standard Full-Perimeter Weather-Seal Details</td>
</tr>
<tr>
<td>29</td>
<td>Standard Attached A.D.A. Threshold Details</td>
</tr>
<tr>
<td>30</td>
<td>Kick-Plate</td>
</tr>
<tr>
<td>31</td>
<td>Double-Door (Door Pairs) Details &amp; Options</td>
</tr>
</tbody>
</table>
EXPI-DOOR® Series 700
WARRANTY

The Series 700 door system by EXPI-DOOR® Systems Inc. carries a three year warranty for defective product or workmanship, provided it is not a result of negligence, caused by damage while in transit, improper installation, or other damage caused by second parties. The three years will commence from the date of original shipment from EXPI-DOOR®. Defective or damaged products must be returned to EXPI-DOOR® to receive credit or replacement unless otherwise instructed. If a product is not returned as required, no credit or replacement will be issued, except when special instructions are given for disposition of defective products or material.

See the following Tech Data pages for individual warranty information for each specific hardware item.

When returning product, documentation is required to identify the returned product with customer name, order number, or our invoice number, etc. A copy of the original packing slip is the best document to send. No credit or replacement can be issued if proper documentation cannot be completed.

EXPI-DOOR® will issue an invoice for the price of the replacement component or will replace the component at no charge, depending upon the agreement between EXPI-DOOR® and the purchaser of the product. It is imperative that an EXPI-DOOR® representative and the purchaser together agree on the best course of action before this determination has been made. Do not replace the product with another from a different provider as this may cause the warranty to not be applicable.

Steps to take in the event of a Warranty claim:

1. Contact EXPI-DOOR®. Provide a brief description of the problem and documentation of product purchase available.
2. Agree on a course of action with the EXPI-DOOR® representative – either product replacement or credit
3. Return defective product to EXPI-DOOR® per EXPI-DOOR's instructions.
4. After receiving the product and undergoing a thorough review to confirm defect, EXPI-DOOR® will issue credit.
5. In the event that a replacement product is required prior to being able to return the defective product, EXPI-DOOR® will send out a replacement and bill the customer. Once the old product has been confirmed defective, EXPI-DOOR® will credit the full amount for the new replacement product.
6. In the event the product is not considered defective, customer will be contacted and a course of remedy will be agreed upon.
FREIGHT CLAIMS:
* Freight claims are not considered a part of the warranty process. However, EXPI-DOOR® will replace damaged freight items as a result of third party damage as quickly as possible. The freight claim must be initiated by the receiver to the company that transported the product within the time frames required by the carrier to file a claim. Additionally, once product leaves the EXPI-DOOR dock, it becomes the freight carrier’s responsibility. When items are received by our customer, they must be examined by the receiver PRIOR to the receiver signing the delivery driver’s paperwork/delivery receipt. When the receiver signs any paperwork brought or presented by the delivery driver/shipper, it then becomes that individuals responsibility completely. If damages or shortages are noticed any point after the driver departs from the delivery point (job-site or building company’s dock or other) the receiver is then solely responsible to file any claims with the company that delivered that product, not EXPI-DOOR. EXPI-DOOR will do everything in its power to deliver new or replacement products in a timely manner, but will not be responsible for the material charges, or any other charges, including shipping charges, associated with such product.
A. INTRODUCTION:

A.1.0_ The following information pertains to EXPI-DOOR’s current Series 700 Door offering. We will discuss the specifics of Pre-Assembled Door Systems, as well as Knock-Down Door Systems. We will also discuss all hardware components of each system, as well as the creation or grouping of these items.

A.1.01_ All door systems provided by EXPI-DOOR are considered as “Medium to Heavy-Duty Commercial” type.

A.1.02_ Our Series 700 offering is a “spec-driven” product line and should also be considered simply for “high-use / high-traffic” environments. It should be noted that this product line is superior to our competitor’s standard offering of door systems (this will be evident by the specifications and information in the following pages.)

B. SUBMITTALS:

B.1.0_ For standard orders, where no special, non-stock conditions exist, our clients are encouraged to use the product data included here-in, and in the following pages. This includes door and frame gauges, hardware grades, designs and finishes, and any associated hardware grades, designs and finishes that apply to that product.

B.1.01_ For non-standard orders, and where EXPI-DOOR provided a “specialized product” type quote for non-stock materials, it is required that our client contact the person responsible for that quotation and request a detailed submittal. This will be done at no cost to our client. We will provide up to six (6) copies of all pages in booklet form, or electronically either by e-mail or on a flash-drive or CD format.

B.1.02_ Submittals must be approved by a signature from the client, or by way of e-mail confirmation. In some case a document can be created by EXPI-DOOR for the client to approve by signature. In the event that a client sends EXPI-DOOR a Purchase Order for the quoted/submitted material, the P.O. will not be entered for production and no special products will be ordered until the client has authorized and specified that the submittal has been firmly approved.

C. QUALITY ASSURANCE
Our products pass through a maximum of two (2) stations. One station is a preparation and fabrication station. The second is the assembly station. The advantage is that the product passes through more than one set of hands. This calls to attention any mistakes either of the persons has made. After installation of the lockset and closer, each is tested to ensure proper alignment and operation. Upon completion, the door is laid on a pallet and inspected by a third-party for quality assurance.

D. PRODUCTS and COMPONENTS

D.1.01__Hinges – All hinges are ANSI 156.1-2000

A. **Standard: Oil-Impregnated Ball-Bearing (BB), 4.5” x 4.5”, Non- Removable-Pin (NRP), and Powder-Coated Silver Finish. Assembled in America (ANSI 156.1-2000).**

B. Optional: Standard-Weight, 4.5”x4.5” Oil-Impregnated Ball-Bearing (BB), NRP, and US32D (Brushed Stainless Steel) Finish


D. Optional: Heavy-Weight, Oil-Impregnated BB, 4.5”x4.5”, NRP and Stainless Steel (US32D) Finish. Heavy-Weight hinges typically used for 16 gauge or 14 gauge door slabs. Manufactured by Hager Hinge Co., Model #BB1199 stainless steel base – ANSI A5111. Hinge leaf material and Pin shall be constructed from Stainless Steel.

E. Surface Continuous Hinge: Extruded 6063 T6 Aluminum alloy with polyester bearings – tested and approved for UL 10B; UL10C; UBC7.2 – fire rated up to 1 ½ hours. Manufactured by Hager-Roton (780-057) or Select Hinges (SL-57).

D.1.02__DEFAULT: Cylindrical Lockset Bored Type – ANSI A156.2, Series 4000, Grade 2, ANSI Function “F109”, Entry/Office

A. Schlage AL53PD – Saturn – 626 w/ Schlage “C” Keyway and (2) cut keys

OPTIONAL LOCKSETS:

D.1.03__Cylindrical Lockset Bored Type – ANSI A156.2, Series 4000, Grade 1, ANSI Function “F109”, Entry/Office

A. Schlage ND53PD – Rhodes – 626 w/ Schlage “C” Keyway and (2) cut keys

D.1.04__Mortise Lockset (Mortised) Type – ANSI A156.13, Series 1000, Grade 1, ANSI Function “F21” Dormitory w/ Deadbolt

A. Schlage L9453 x 06N x 626 w/ Schlage “C” Mortise Keyway and (2) cut keys

D.1.05__Exit Device – Rim Type – ANSI A156.3-2001, Grade 1 (Device & Trim), ANSI Function “F08”

A. Von Duprin 22L x 230L – SP28 finish w/ Schlage “C” Rim Cylinder Keyway and (2) cut keys.

B. Von Duprin 99L x 996L-06 – US26D (626) finish w/ Schlage “C” Rim Cylinder Keyway and (2) cut keys.

C. Falcon (Monarch) 25-R x LE Dane (Replaces 18-R x LE Dane) – 626 (US26D) finish w/ Schlage “C” Rim Cylinder Keyway and (2) cut keys.
D.1.06 Exit Device – Mortise Type – ANSI A156.3-2001, Grade 1 (Device & Trim), ANSI Function “F08”
A. Falcon (Monarch) 25-M x LE Dane – 626 (US26D) finish w/ Schlage “C” Mortise Cylinder Keyway and (2) cut keys.

D.1.07 Closers – Parallel-Arm Mounted for out-swinging doors – ANSI A156.4 – Grade 1. All LCN Closers are standard as ADA Compliant with less than 5 lbs. of opening force. All LCN Closers are available with Hold-Open, or Dead Stop Arm as an option.
A. Series 700 Offerings:
   __LCN 1261 x 689, Grade 1, Standard-Medium Duty
   __LCN 1461 x 689, Grade 1, Heavy-Duty
   __LCN 4041 x 689, Grade 1, Extra Heavy-Duty, approved up to 10,000,000 cycles.

D.1.08 Keyways / Cylinders
1. Standard: round, 6-pin type – when two or more doors are present per order, keyways shall be keyed alike by EXPI-DOOR.
2. Formated: Figure-8 type, Small Format Interchangeable or Full-Size Interchangeable type (please choose). Each core, or keyway shall be provided with (1) Change, and (1) Operating Key. Change Keys are only for the removal of the core. Operating Keys are only for locking and un-locking the keyway.

D.1.09 Auxiliary Hardware – *NON-STOCK* Available per single or in some case, double door applications.
___Flush-Bolts (Optional, Non-Stock, Door Pairs only):
___Coordinators (Optional, Non-Stock, Door Pairs only):
   1. Gravity Arm, 7” or 9” projection. Ives COR7G or COR9G (or equal) – US26D finish
   2. Door Width, provided with mounting brackets and filler bar. Ives COR52 x FL20 (or equal) – US26D finish

___Screw-Applied Aluminum Weatherseal (Optional, Non-Stock):
   1. Surface Applied – w/ Gray Vinyl Insert. NGP 155V, UL10B and UL10C, ANSI/BHMA 156.22-2005

___Screw-Applied Aluminum Door Bottom Sweep (Optional, Non-Stock):
   1. Surface Applied – w/ Brush Insert. NGP OV634AV, UL10B, UL10C,

___Bumper-Type Threshold, ADA Compliant (Optional, Non-Stock):
   1. Shipped Knock-Down – cannot be attached to jambs. NGP 896V w/ Gray Vinyl Insert. Door seals against threshold - therefore does not require a door bottom sweep.

D.1.10 Standard Sweep; Weatherstripping and Threshold:
___Sweep – Dual Finger "U" Profile, Black Neoprene material, concealed in door bottom channel w/ TEK screws.
__Weatherstripping – Black Silicone bulb-type profile material, self-adhered to door stops @ strike jamb and header – applied to door rabbet (soffit) of hinge jamb.
__Threshold – ADA Compliant, Fluted, Saddle-Type, ½” High Max, attached with TEK screws through reverse side of each jamb – two (2) screws per side – four (4) total per opening. Includes countersunk pre-drilled anchor holes, staggered.

D.1.11__ Hardware Finishes


B. Closers:
   __BHMA 689 / Powder-Coated “Aluminum” / All standard closers, and VD 22 Panic and Trim

D.1.12__Limited Warranty –

A. Series 700
1. Door & Frame Assembly (before hardware) 3 Years
2. LCN 1461 & 4041 Closers 30 Years
   2A. LCN 1261 Closer 20 Years
3. Standard EXPI Hinges 2 Years
4. Von Duprin Exit Devices 3 Years
5. Schlage Mortise Locks 3 Years
6. Schlage Grade 1 Cylindrical Locks & Deadbolts 7 Years
7. Schlage Grade 2 Cylindrical Locks & Deadbolts 3 Years

E. DOORS, FRAMES and SUBFRAME

E.1.01__ Series 700 Door Leaf (referred to as “HM” [Hollow Metal]):
1. Gauge: 18 standard (16 and 14 available options)
2. Steel: A60 Galvannealed Quality Carbon Steel
3. Paint: Beige Primer, Baked-On, applied per ANSI A250.10
   A. Salt Spray Test, 120 Hours, ASTM B117
   B. Condensation, 240 Hours, ASTM D4585-1992
   C. Impact Test, Gardner Direct 20 in. lbs. w/ ½” ball
   D. Adhesion, ASTM D3359
4. Core: Polyurethane
   A. U-Value Per ASTM C1363 = 0.498 (old method ASTM C236 = 0.09)
   B. R-Value Per ASTM C1363 = 2.01 (old method ASTM C236 = 11.1)
5. Construction per ANSI A250.8, 1998, hardware reinforcements per ANSI 250.6-1997, and hardware locations per ANSI/DHI A115:
   A. Inverted, welded-in top channel (rail) shall be 14 gauge. Steel top-cap shall be fastened in by EXPI-DOOR.
B. Inverted, welded-in bottom channel (rail) shall be 14 gauge.
C. Closer reinforcement “tube” of 14 gauge shall be inserted prior to
insertion of core and prior to final joining of face sheets.
D. Prepared @ Lock Stile for Mortise Lock, Gov. 86, ANSI A115.1
E. Prepared @ Lock Stile for Cylindrical Lever Lock, Gov. 61L, ANSI 115.2
F. Prepared @ Lock Stile for Cylindrical Lock, Gov. 161, ANSI 115.2
G. Reinforced only @ Lock & Hinge Stile for Rim or Mortise Exit Device w/ 14
gauge “tube” prior to insertion of core and prior to final joining of face
sheets.
H. 7 Gauge, Prepared @ Hinge Edge for 1 ½ pair standard weight 4.5” high
mortised hinges. Shall be provided with a removable wire to allow clearance
for Heavy-Weight hinges if preferred or specified.

E.1.02__Series 700 Three-Piece Frames
1. Gauge: 16 (14 Gauge Available)
2. Frames shall be 5 ¾” Deep (4 3/4” throat), Die-Mitered Corners, Back-Welded,
sanded, cleaned and painted with equal zinc primer paint of frame color.
3. Steel: A60 Galvannealed Quality Carbon Steel
4. Paint: Beige Primer, Baked-On, applied per ANSI A250.10
   A. Salt Spray Test, 120 Hours, ASTM B117
   B. Condensation, 240 Hours, ASTM D4585-1992
   C. Impact Test, Gardner Direct 20 in. lbs. w/ ½” ball
   D. Adhesion, ASTM D3359
5. Attachment of Threshold: EXPI-DOOR will attach the standard Threshold to the
frames to create a fully assembled unit. This is accomplished by inserting (2) self-
drilling, self-tapping Hex Head screws into the reverse of the frame, and into the
fluted channels on the under-side of our threshold. All “special” thresholds shall be
shipped loose from frame with a spreader bar tack-welded in it's place.
6. Anchorage:
   A. 7”, 8", 8.5”, 10” or 11 1/2” Galvannealed 16 gauge (14 gauge for heavier
doors) “sub-frames” w/ 12 gauge galvanized Girt & Base Clip Anchors.
      Includes all TEK fasteners and Zinc Plated Concrete Sleeve Anchors.
   B. Full Height Masonry, including (8) Wire Anchors, 1/8” diameter wire, Zinc
      Plated.
   C. Partial Height Masonry, including sub-frame w/ 12 gauge galv. Girt & Base
      Clip Anchors from top of stem wall (wainscoate) to Girt. Bottom shall be
      equipped with either Wire Anchors, or Existing Masonry Application Anchors
      (jambs drilled & dimpled w/ “butterflies” welded in).
   D. Existing Opening Application, including dimpled jambs (4 per jamb) on top
      of stops, and preferred anchor to attach to existing wall type. Choose one of
      the following:
      1. Self-Drilling, Self-Tapping, ¼” diameter, zinc plated – prime
         painted, 4” length, #4 Phillips Driver
      2. Expandable Concrete sleeve anchor, zinc plated – prime painted,
         3/8” diameter x 5” length, #4 Phillips Driver
      3. Wood Screw, ¼” diameter, 4” length, zinc plated – prime painted,
         #4 Phillips Driver
      4. Threaded-Rod, 5/16” diameter x 4” length, zinc plated – prime
         painted, w/ Star Washer and Lock-Nut, #4 Phillips Driver
      5. Fully-Threaded Hanger Bolt x 4-1/2” length, zinc plated – prime
         painted, #4 Phillips Driver
F. Swing type:
   1. Customer is to choose from the below chart at time of order confirmation or prior to submitting a Purchase Order to EXPI-DOOR.

   *SWING: SPECIFY USING CHART BELOW*

   INSIDE OF ROOM OR BUILDING
   OUTSIDE OF ROOM OR BUILDING

   OTHER TERMINOLOGY:
   LHR = A = RH = LH (LEFT HAND OUT)
   RHR = B = LH = RH (RIGHT HAND OUT)

   Swing Types "C", "D", "Di" and "Ci" are 6070-1
   "Single-Active" (one leaf receives lock, one leaf receives Astragal and Surface Bolts (Flush-Bolts also available)

   Swing Type:
   6070-2
   "BHA" (Both Hands Active)
** Doors w/ subframes are loaded on to a 4'x8' pallet, and fastened down through the 1-3/4" subframe leg.  
** Each door is then stacked in the same manner, and fastened to the door below in the same manner.  
** A lid is created from 2x4's and OSB, and set on top of top door.  
** End caps are then fastened to each girt & base clip, and in to the ends of the 2x4's of the lid.

** Doors that do not receive subframes, such as Masonry Anchor Doors, or Stud Wall Anchor Doors, shall be set on 2x4 runners, with 2x4 "sticks" between each door to create appropriate space between lockset and door leaf to prevent damage.  
** Sides and ends are then covered completely with OSB panels to prevent shifting and freight damage.
Door Leaf Details - Core & Preps - Series 700

Lock Preps:
ANSI 115.18, Cylindrical Lock
Gov. 61L, 2 1/8" Bore, 2 3/4" B.S.

Top Cap
Screw-In Galvanneal Steel

- 2' DOOR: 35 3/4"
- 3'-4" DOOR: 39 3/4"
- 3'-6" DOOR: 41 3/4"
- 3'-8" DOOR: 43 3/4"
- 4'-0" DOOR: 47 3/4"

Mortise Lock
Gov. 86, Edge Prep, 2 3/4" B.S.

Channels:
Inverted Top
Inverted Bottom

Polyurethane Core
"R" Value: 11.1
"U" Value: 0.09

Exit Device - Flush - No Prep
Reinforcement of 14 gauge only

Hinge Reinforcement:
1 1/2 Pair Standard Weight
7 Gauge Construction
4.5" high
Includes Closure Plate HW

Hinge Conversion Wire
(Removable for Heavy-Weight Hinges)
Standard Door Frame Details - Series 700

- Variable Depths: 8", 10", 11 1/2"
- FASTENED THRU RETURNS W/#10 X 1" TEK HEX HEAD
- TYPICAL H.M. FRAME
- 16 GAUGE A60 GALVANNEAL HEADER SUBFRAME

**Typical Jamb_Header, Strike & Hinge**

- 3/0 x 7/0 = 3' - 4"
- 4/0 x 7/0 = 4' - 4"
- 6/0 x 7/0 = 6' - 4"

**Typical H.M. Frame**

- 1 3/4" SUBFRAME FLANGE WIDTH, TYPICAL
- 1 1/2" SUBFRAME FLANGE WIDTH, TYPICAL

**Diagram**

- 1 3/4" TEK HEX HEAD
- 1 3/4" TEK HEX HEAD
- 2" SUBFRAME FLANGE WIDTH, TYPICAL
- 1 3/4" SUBFRAME FLANGE WIDTH, TYPICAL
- 1/2" SUBFRAME FLANGE WIDTH, TYPICAL
- 1/2" SUBFRAME FLANGE WIDTH, TYPICAL
- 2" SUBFRAME FLANGE WIDTH, TYPICAL
- 1 9/16" SUBFRAME FLANGE WIDTH, TYPICAL
- 2 1/4" SUBFRAME FLANGE WIDTH, TYPICAL
- 1 5/16" SUBFRAME FLANGE WIDTH, TYPICAL

**Dimensions**

- 7' - 0" DOOR OPENING HEIGHT FROM FLOOR
- 7' - 2" TO TOP OF HEADER SUBFRAME
- 7' - 3 3/4" TO TOP OF HEADER SUBFRAME (1 3/4" X 1 3/4"")
Standard Door Sub-Frame Details - Series 700

Depths Available: 7"; 8", 8 1/2"; 10", 11 1/2"

Depths Available: 1/4" LESS THAN SUB-FRAME DEPTH
7" = 6 3/4" Extension Piece Depth
8" = 7 3/4" Extension Piece Depth
8 1/2" = 8 1/4" Extension Piece Depth
10" = 9 3/4" Extension Piece Depth
11 1/2" = 11 1/4" Extension Piece Depth

GIRT ANCHOR (L-CLIP)
12 GAUGE GALVANIZED
5 3/4" wide x 9 1/2" long

SUBFRAME
* TYPICAL EA. JAMB
* 16 GAUGE GALV.
* 14 GAUGE AVAIL. FOR HEAVIER DOORS

BASE ANCHOR (L-CLIP)
12 GAUGE GALVANIZED
5 3/4" Wide x 2" High

SUBFRAME EXTENSION
* TYPICAL EA. JAMB
* 16 GAUGE GALV.
* 1/4" LESS THAN SUB-FRAME ORDER SIZE
Off-Set Subframe Attachment
Typical @ Header and Jambs
Stainless Steel Latchguard
*Included in Standard EXPI-DOOR Package*

Latchguard for Cylindrical (Bored) Locksets

Latchguard for Mortise Locksets

Specialty Carriage Sex Nut/Bolt w/ Allen Driver
**Standard Lock Details - Series 700**

**Grade 2 Entry Lever**
Schlage AL53PD - Saturn - 626
*Included in Standard EXPI-DOOR Package*

*Schlage brand, Grade 2 Entry Lever, Keyed*
*Bored/Cylindrical*
*2 3/4" Back-Set*
*Brushed Chromium (US26D) Finish*
*Stainless Steel Latchbolt w/1/2" Throw, Deadlocking / Anti-Vandal*
*Steel Lock Chassis, Zinc Diochromated for Corrosion Resistance*
*Fits standard Gov. 161, or 61L Prep w/Thru-Bolting Thru Door*
*Free-Wheeling Vandal-Resistant Lever*
*Solid Cast Levers*
*Independent Lever Return Springs*
*Strike 1 1/4" x 4 7/8" ANSI*
*Schlage "C" Keyway 6-Pin Cylinder*
*Meets ANSI A117.1 Accessibility (ADA) Code*
*Meets ANSI A156.2 Series 4000, Grade 2*
*UL Listed up to "A" Label (3-Hour) Single Swing Doors*
*(2) Year Limited Warranty*
Standard Lock Details - Series 700

Grade 1 Entry Lever
Schlage ND53PD - Rhodes - 626

*Schlage brand, Grade 1 Entry Lever, Keyed
*Bored/Cylindrical
*2 3/4" Back-Set
*Brushed Chromium (US26D) Finish
*Sainless Steel Latchbolt w/1/2" Throw, Deadlocking / Anti-Vandal
*Steel Lock Chassis, Zinc Diocromated for Corrosion Resistance
*Fits standard Gov. 161, or 61L Prep w/Thru-Bolting Thru Door
*Free-Wheeling Vandal-Resistant Lever
*Solid Cast Levers
*Independent Lever Return Springs
*Strike 1 3/4" x 4 7/8" ANSI
*Schlage "C" Keyway 6-Pin Cylinder
*Meets ANSI A117.1 Accessibility (ADA) Code
*Meets ANSI A156.2 Series 4000, Grade 1
*UL Listed up to "A" Label (3-Hour) Single Swing Doors
*(5) Year Limited Warranty

Entrance Lock †
Turn/push-button locking: pushing and turning button locks outside lever, requiring use of key until button is manually unlocked. Push-button locking: pushing button locks outside lever until unlocked by key or by turning inside lever.

ND53PD  F109

Standard Schlage Core

With Optional IC Core
_Small Format IC (Best brand fits)
_Full-Size Format IC (Schlage and competitors fit but not Best brand)
Exit Device (Panic) with Lever x Escutcheon Trim  
Von Duprin 22L x 230L - SP28

*ANSI A156.3, 1994, Grade 1  
*Fits 28" - 48" Doors  
*Aluminum Powder-Coated Finish (Push-Bar) SP28  
*Steel Latch with "Moly Dag" Coating (Black) - 3/4" Throw  
*US26D Brushed Chromium Finish (Lever Trim)  
*Deadlocking Latchbolt w/ Anit-Pick Latch  
*Hex-Key ("Allen") Dogging Bar  
*2 3/4" Back-Set  
*Adjustable Strike w/ Slotted Holes for adjustability  
*Surface Mounted  
*Exterior Sectional Free-Wheeling Lever Trim  
*(10) Year Limited Warranty
Exit Device (Panic) with Lever x Escutcheon Trim
Von Duprin 99L - 996L x US26D

*ANSI A156.3, 1994, Grade 1
*Fits 28" - 36" Doors (4' available from factory)
*US26D Brushed Chromium Finish (Bar & Lever)
*Steel Latch with Moly Dag Coating (Black) - 3/4" Throw
*Deadlocking Latchbolt w/ Anit-Pick Latch
*Hex-Key ("Allen") Dogging Bar
*2 3/4" Back-Set
*Adjustable Strike w/ Slotted Holes for adjustability
*Surface Mounted
*Exterior Sectional Free-Wheeling Lever Trim
*(10) Year Limited Warranty
Standard Exit Device w/ Lever Details - Series 700

Exit Device (Panic) with Lever x Escutcheon Trim
Rim_Falcon 25R x 510-L Dane

*ANSI A156.3, 1994, Grade 1
*Fits 28" - 36" Doors (4' available from factory)
*US26D Brushed Chromium Finish (Bar & Lever)
*Steel Latch Bolt, 3/4" Throw
*Deadlocking Latchbolt w/ Anit-Pick Latch
*Hex-Key ("Allen") Dogging Bar
*2 3/4" Back-Set
*Adjustable Strike w/ Slotted Holes for adjustability
*Surface Mounted
*Exterior Sectional Free-Wheeling Lever Trim
*(10) Year Limited Warranty

510L
Exit Device (Panic) with Lever x Escutcheon Trim
Mortise_Falcon 25M x 510-L Dane

*ANSI A156.3, 1994, Grade 1
*ANSI A115.1 Mortise Lock Function
*Fits 28" - 36" Doors (4' available from factory)
*US26D Brushed Chromium Finish (Bar & Lever)
*Steel Latchbolt w/ Moly Dag Black Coating - 3/4" Throw
*Deadlocking Latchbolt w/ Anit-Pick Latch
*Hex-Key ("Allen") Dogging Bar
*2 3/4" Back-Set
*Standard Black Finish Mortise Strike Plate, 4-7/8" ASA
*Exterior Sectional Free-Wheeling Lever Trim
*(10) Year Limited Warranty
**Entrance Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by 20° rotation of thumbturn. Deadbolt thrown or retracted by 90° rotation of thumbturn. When locked, key outside or knob/lever inside retracts deadbolt and latchbolt simultaneously. Outside knob/lever remains locked until thumbturn is restored to vertical position. Throwing deadbolt automatically locks outside knob/lever. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress.

*ANSI A156.13 Series 1000, Grade 1
*UL Listed for "A" Label (3-Hour) Fire Doors
*2 3/4" Back-Set / Field Reversible Lock-Body
*Brushed Chromium (US26D) Finish
*Steel Latchbolt w/3/4" Throw, Deadlocking / Anti-Vandal
*Stainless Steel Deadbolt w/ 1" Throw
*Lever Retracts Deadbolt from Thumb-Turn Side for Life-Safety Compliance
*Fits standard Gov. 86 & 86E Prep w/Thru-Bolting Thru Door
*Cases are Cold-Rolled Formed Steel 0.090" Thick - Zinc
*Solid Forged Brass Handles and Escutcheons
*Strike 1 1/4" x 4 7/8" ANSI
*Standard Keyway: Schlage "C" Keyway 6-Pin Cylinder
*Available with SFIC (Small Format Interchangeable) Cores
*Meets ANSI A117.1 Accessibility (ADA) Code
*(5) Year Limited Warranty
**LCN 1261 Standard Duty Closer**
- Back-Check, general and latching speed adjustments
- Non-Handed and non-sized, Parallel-Arm Mounting Standard (Push-Side Mounting)
- Thru-Bolts, or Self-Drillers Attachment
- ANSI Grade 1
- Adjustable ANSI 1-5 Power
- Meets all ADA requirements
- Forged steel components
- All weather hydraulic fluid
- Aluminum Powder-Coat Finish (ANSI SP28, BHMA 68g)
- 20 Year Warranty
- Available with Standard (pull-side)mounting, Hold-Open arm & bracket, or Cush-N-Stop arm & bracket

**LCN 1461 Medium/Heavy-Duty Closer**
- Back-Check, general and latching speed adjustments
- Non-Handed and non-sized, Parallel-Arm Mounting Standard (Push-Side Mounting)
- Plastic Cover Standard (Metal Available-extra cost)
- Thru-Bolts or Self-Drillers Screws Attachment
- ANSI Grade 1
- Adjustable ANSI 1-5 Power
- Meets all ADA requirements
- Forged steel components
- All weather hydraulic fluid
- Aluminum Powder-Coat Finish (ANSI SP28, BHMA 68g)
- 30 Year Warranty
- Available with Standard (pull-side)mounting, Hold-Open arm & bracket, or Cush-N-Stop arm & bracket

**LCN 4041 Extra Heavy-Duty Closer**
- 10,000,000 cycle tested (ANSI grade 1 - Extra Heavy-Duty)
- Back-Check, general and latching speed adjustments
- Plastic Cover standard (metal available)
- Thru-Bolts or Self-Drillers Attachment
- Non-Handed, Multiple size range, Parallel-Arm Mounting Standard (Push-Side Mounting)
- ANSI Grade 1
- Adjustable ANSI 1-5 Power
- Meets all ADA requirements
- Forged steel components
- Double heat treated steel pinion
- All weather hydraulic fluid
- Fast power adjust
- Aluminum Powder-Coat Finish (ANSI SP28, BHMA 68g)
- 30 Year Warranty
- Available with Standard (pull-side)mounting, Hold-Open arm & bracket, or Cush-N-Stop arm & bracket for extra cost
Crash Chain Details - Series 700

CHAIN MATERIAL: HEAVY-DUTY STEEL W/ US2C (ZINC) PLATING.
CHAIN IS COVERED WITH GRAY VINYL WEATHER RESISTANT COVER

MOUNTS TO JAMB HEADER AND TOP OF DOOR LEAF - CAN BE USED WITH OR WITHOUT DOOR CLOSER
Hinge Details - Series 700

Standard Hinges
1 1/2 pair per single door
3 pair per double door

*Powder-Coated SILVER Finish
*4.5" x 4.5" (114mm x 114mm)
*0.134" Gauge Standard Weight
*Non-Removable Pin
*5-Knuckle w/ Button Tip & Plug
*Oil-Impregnated Ball-Bearings

**Heavy-Weight Hinges Available Upon Request
**Product Specifications**

**Fasteners:**
Standard #12-24 x 11/16" self-drilling pan head machine screw
1/4" - 20 thru bolts for 1-3/4" doors

**Length Options:**
Length to be ordered should be one inch LDH (Less Door Height)

**Door Reinforcement:**
None required

**Frame Reinforcement:**
None required to 200 lbs. Heavier weight use 16-gauge reinforcing channel welded-in behind face

**Fire-Rating:**
Up to 3 hour metal and 90 minute wood composite (with fire-studs)
When ordering, must specify if UL stamp is required

**Warranty:**
All Roton products have a lifetime warranty. Electronic transfer hinges shall carry a one-year warranty.

**Material:**
Aluminum 6063T6
INSTALLATION OF STANDARD SWEEP ON EXISTING DOOR LEAF

[THE DOOR LEAF MUST BE REMOVED FROM THE JAMB IN ORDER TO GAIN ACCESS TO THE BOTTOM OF THE DOOR LEAF FOR INSERTION/ATTACHMENT OF THE NEW U-SWEEP]

DRAWING TITLE:
DATE: 1/29/14

Door Bottom Sweep - "U" Profile

1. Solid and Flexible Neoprene Black
2. IBC, UBC, UL10C, UL10B Approved
3. Smoke, Air, Sound, Vermin, resistant
4. Available in any length up to 4’-0”
5. Fastened as shown, into the door’s bottom channel
6. Width: 13/16” (20.637 mm)
7. Profile Height: 1-1/4” (51.59 mm)
CERTIFICATIONS:

_ Meets requirements of ROHS Directive 2002/95/EC
_ Fire Rating/Positive Pressure, up to 3 Hours:
  a. IBC, UL10B & CAN 4-5104-80M Classified
  b. NFPA 80 & NFPA 252, Category "J"
_ Smoke & Draft Control, up to 3 Hours:
  a. IBC classified
  b. UL1784 & NFPA 105 for use on "S" labeled Positive Pressure Steel Doors
_ Accoustical Tested to ASTM E90 Standard Test Method for Lab Measurement of Airbourne Sound Transmission
_ Air Infiltration: Certified per ASTM E283, Standard Test Method for Determining Rate of Air Leakage through Exterior Doors.

National Guard Products (NGP)

5050C

Color: "C" is "Charcoal" (Black)
Material: Silicone
Description: Semi-Flexible Silicone material, semi-compressible,
  Fire, Smoke, Air, Sound and Moisture Resistant per testing shown.
Availability: Multiple pre-cut lengths, or pre-measured rolls.
Application: Applies to new or existing door frames, easily.
  Applies to STOP of Door, Sidelite, Transom Frame & Bar, and Borrowed Lite Frames alike. Applies to Rabbet of Hinge Jamb of Door Frame. (see detail)

Material Profile

APPLICATION

HEAD & LATCH JAMB

STOP
DOOR

STOP
DOOR

Hinge Jamb

Color: "C" is "Charcoal" (Black)
Material: Silicone
Description: Semi-Flexible Silicone material, semi-compressible,
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Application

HEAD & LATCH JAMB

STOP
DOOR

Hinge Jamb

Color: "C" is "Charcoal" (Black)
Material: Silicone
Description: Semi-Flexible Silicone material, semi-compressible,
  Fire, Smoke, Air, Sound and Moisture Resistant per testing shown.
Availability: Multiple pre-cut lengths, or pre-measured rolls.
Application: Applies to new or existing door frames, easily.
  Applies to STOP of Door, Sidelite, Transom Frame & Bar, and Borrowed Lite Frames alike. Applies to Rabbet of Hinge Jamb of Door Frame. (see detail)
EXPI-DOOR Standard A.D.A. Compliant Threshold

All Thresholds shall be fastened to the base of each jamb, on the interior door side Rabbet and the exterior door side Rabbet, from the reverse-side of the jamb (Jamb Throat). Fasteners are run through the Jamb Throat area directly into “Flutes” (round Screw-Boss channels) located on the under-side of the Threshold. These Flutes run the entire length of each Threshold, thus allowing the Threshold to be trimmed down to accommodate a more narrow door and frame such as a 2’-6”, or 2’-8” sized door.

For anchorage to the concrete floor, Thresholds shall be produced with pre-punched, countersunk holes to accept 1/4” diameter concrete Sleeve Anchors (provided by EXPI-DOOR). Three-foot single door system Thresholds shall consist of four (4) countersunk bores, and shall be “staggered” across the length of the Threshold.

Fastening the Threshold to the frame, in the factory, is a bonus advantage for several reasons.

1. EXPI-DOOR’s Threshold is pre-notched at each end to fit around the door jamb’s Soffit portion of the frame.
2. EXPI-DOOR’s Threshold is pre-attached to each jamb, thus ensuring proper alignment of door w/in frame.
3. EXPI-DOOR’s Threshold, because it is attached at the factory, assures strong reinforcement at the base of the frame, as opposed to older methods of securing the frame at the base, temporarily.

Our pre-attachment process is far superior to the common process in place for some of our competitors, as well as being the standard for many years for “Knock-Down” door systems.

Each Threshold, per door is/was shipped loose for on-site notching at each end as well as fastening directly to the floor, as opposed to securing the Threshold to the door Frame and creating an actual solid, pre-assembled door system.

**Top & End View - 36” Threshold:**

Number of Anchor Holes for 3’ and 4’ Threshold shall be (4); Number of Holes for 6’ shall be (6) total

**Floor Anchors**

1/4” Hole Size x 1-1/2” Embedment / Actual Anchor: 1/4” x 2”
Kick-Plate Details - Series 700

8" High x 2" Less Door Width (LDW) x 0.050" Thick Stainless Steel w/ TEK Fasteners for Attachment

*ANSI A156.6
*Stainless Steel Material and US32D Finish
* 0.050" thick, 18 Gauge
Double Door Details - Series 700

**Single Active Door System**
- W/Surface Bolts
  - EXPI Designation: 6070-1
- W/Flush Bolts
  - EXPI Designation: 6070-1FB

**Double Active Door System**
- EXPI Designation: (6070-2)

- Rim Exit Device: If panics are to be Vertical Rod, omit the mullion
- Optional: Surface Vertical Rod Latch Pictured
- Optional: Surface Vertical Rod Latch Pictured
- 7' Removable Mullion
- Standard Weather-Seal Applied full-height of Astragal Lip to seal to Active Door
- 8" Heavy-Duty Surface Bolts Applied @ Head & Threshold
- "Astragal - Full Height - w/ASA Strike Prep (4 7/8") Applied to edge of In-Active Door

**Seal Type @ Pairs w/ Rim Panics & Mullion**
- Closed Cell Foam Self-Stick Seal Applied to Mullion by EXPI-DOOR

**Seal Type @ Pairs w/ Surface or Concealed Vertical Rod Exit Device**
- Aluminum/EPDM Surface Screw Applied By-Passing Seals - Full Height Applied to Interior by EXPI