

Stephan & Brady

P. 002/002

Project Name: Jefferson Glass Toby Krause

Frame Set Name: Frame Set 1

Frame Name: Frame 1

Panels: 7 **Rows:** 2

Metal Group: MPG T14000 THERMAL SCREW SPLINE

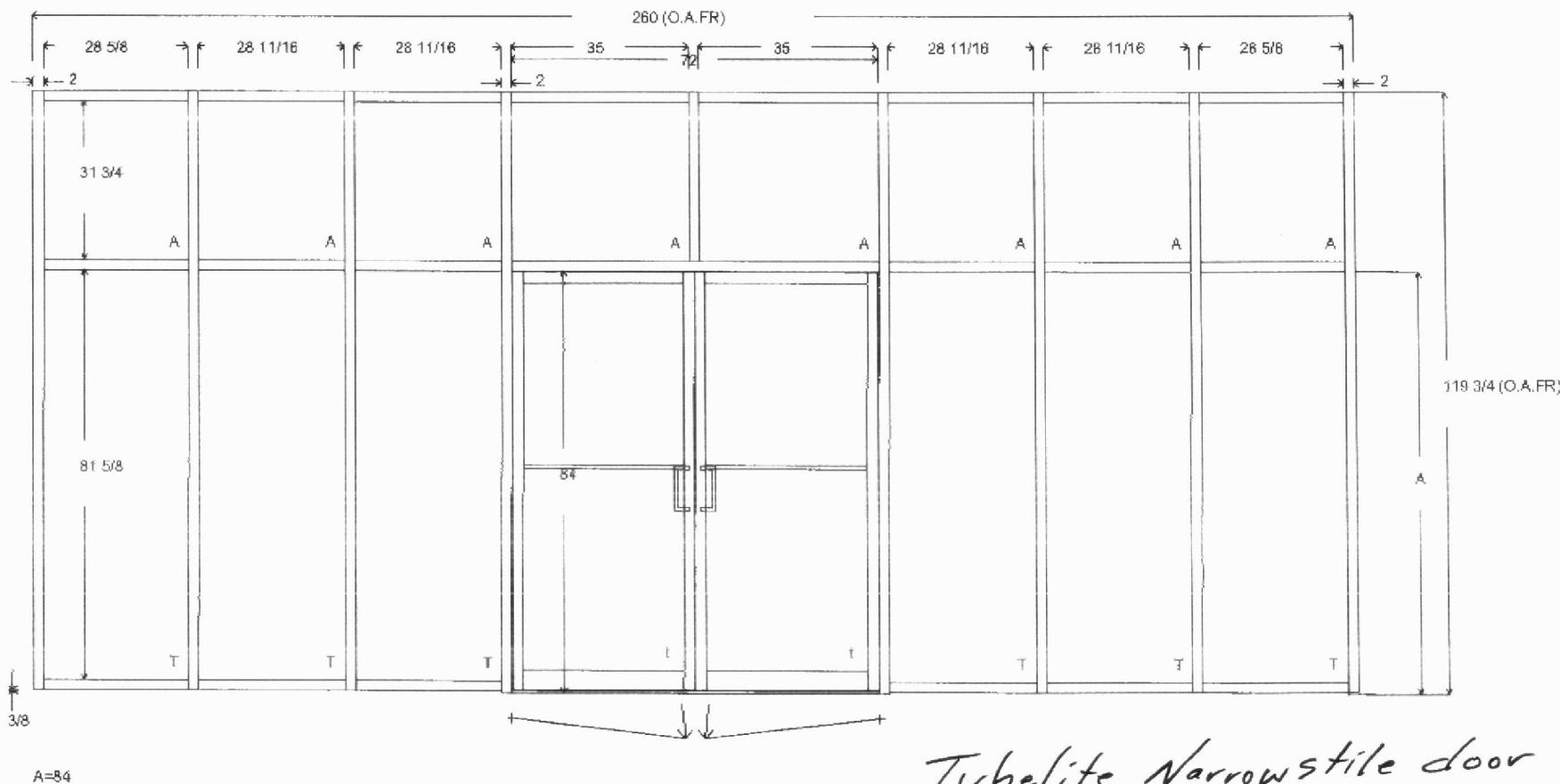
D/S: 1 **Frame Type:** Standard

Frame Width: 260

Frame Height: 119 3/4

Required: 1 **Back Member Color:** C2 CLEAR : ANODIZED

Face Member Color: NULL



Tubelite Narrowstile door
1" Low-E Argon glass
3'x7' doors



142 W. CANDISE, JEFFERSON, WI • (920) 674-3322 • jeffersonglass@att.net

Hardware

- 2- 1½ Pr. P092 Butt hinges
- 2- Dorma 8916 door closers 180° swing
- 1- M.S. Dead bolt Lock on RH leaf 1850
- 1- Flush bolts on LH door/leaf
- 1- P572 Key cylinder interior
- 1- P009 Dummy cylinder exterior
- 2- BF15747 Push Pulls 8" C.T.C.
- 2- 600A door sweep
- 1- 882 threshold

For All Your Glass Needs

GLASS • MIRRORS • TUB & SHOWER ENCLOSURES • PATIO DOORS • INSULATING & TEMPERED GLASS

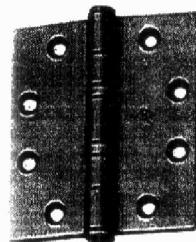
Hardware & Accessories

Hinges & Pivots

P 092

Mortised Butt Hinge

Both leaves of this hinge are punched and countersunk so they can be mortised into the door stile and frame. They are specially swaged to provide 1/16" clearance between leaves when parallel. Overall dimension is 4" x 4 1/2" when open. Button tips and plugs are standard. Five knuckle ball bearings are packed with grease to assure a quiet long life hinge. US26D or Bronze finish.



Offset Pivots

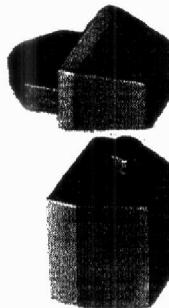
P 695A - Top Frame Pivot for 3/16" backset doors

P 1186A - Top Frame Pivot for flush mount doors

Cast aluminum body has oilite bronze bushing and is mortised into the door header and fastened with 3 countersunk screws

P 695B - Top Door Pivot for 3/16" backset doors

Cast aluminum body is securely attached to the door with 2 hex head bolts. A spring loaded hardened-steel pin permits easy installation of the door.



Offset Pivots

P 695C - Bottom Door Pivot for 3/16" backset doors

Cast aluminum body is securely fastened to the door with 2 hex head bolts. A full race bearing accepts the pivot pin on the floor portion.

P 695 - Floor Pivot for 3/16" backset doors

P 1186 - Floor Pivot for flush mount doors

Cast aluminum body has a hardened steel pivot pin and is screw attached to the floor and door frame for complete rigidity. A vertical adjustment of 1/8" is possible without removing the door.

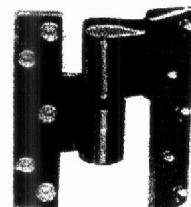


P 751

Intermediate Pivot

Use of intermediate pivots is recommended for offset hung doors over 3'-0" in width or over 7'-0" in height with 1/4" glass, and on all doors with glazing over 1/4" in thickness.

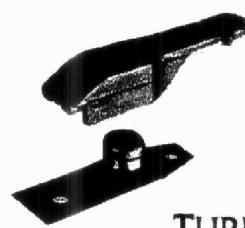
The P 751 is also used in heavy traffic areas or as a substitute for top pivot in concealed closer applications. Cast aluminum leaves are fully mortised into frame and door stile (requires reinforcing). Available in clear or bronze finish to match doors.



P 971

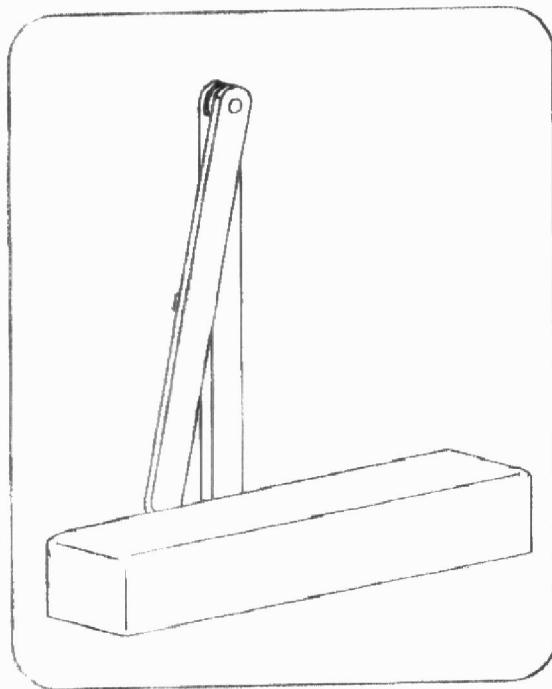
Center Pivot - Floor Portion

For use at the floor on center pivot doors with or without a threshold. Bottom arm door portion is cast aluminum and sits on the pivot bearing mounted to the floor or threshold with a plated steel bracket and countersunk screws. Vertical adjustment of 1/4" is possible without removing door. Mill finish only.



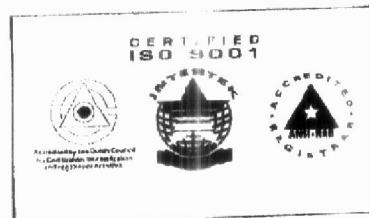
TUBELITE
STOREFRONTS & ENTRANCES
DEPENDABLE

Architectural Submittal Sheet



8900 Full Cover AF Arm

DORMA



Leading the World in Door Systems Technology®

The quality management system at the Reamstown, Pennsylvania facility is certified to ISO 9001*.

*DORMA Door Controls, Inc. d.b.a. DORMA Architectural Hardware

03-14-06rev2

Architectural Submittal Sheet

DORMA 8900 SERIES

Applications:

The 8900 Series is designed to provide a highly flexible door control system suitable for use on all hollow metal, aluminum, and wood doors typically used in commercial construction. It is available in adjustable spring sizes: 1-6 and 5-6 +50%. Doors may be mounted with either ball bearing hinges or pivots. Special brackets and other adapting hardware are available with the 8900 Series product.

Listings & Approvals:

- ANSI Grade 1
- UL and ULC
- UL10C & UBC 7.2 1997
- CSFM
- MEA
- Independently certified to 10 Million Cycles

Warranty: 25 Years

Range of Door Sizes:

- Exterior door widths to 48" (1219mm)
- Interior door widths to 48" (1219 mm)
- Door heights to 96" (2438 mm)
- Door weights to 250 pounds (114kg)
- Can be adjusted to meet ADA maximum 5 lbf opening force on properly hung interior doors.

Finishes:

- Standard Sprayed Finishes
689 (Aluminum) 690 (Dark Statuary Bronze)
691 (Dull Bronze) 693 (Black)
695 (Dark Duranodic Bronze)
696 (Satin Brass).
- Custom Painted Finishes
Submit sample. Customer approval required.
- Architectural Plated Finishes
605E (Pol. Brass) 606E (Satin Brass)
611E (Pol. Bronze) 612E (Satin Bronze)
613E (Oil Rubbed Brnze) 618E (Pol. Nickel)
619E (Satin Nickel) 625E (Pol. Chrome)
626E (Satin Chrome)

Special Application Assistance:

Please contact our Technical Services team at 800-523-8483 if you have any questions or need assistance in developing a custom application.

Closer Mounting Options:(based on arm selection)

Arms available to mount the closer:

- Regular pull side of the door
- Top jamb push side of the door
- Parallel arm on push side of the door

ANSI A156.4 Grade 1 Selector Chart

Arm(s)	Hinge Side	Parallel Arm	Top Jamb
AF, AR	C02011	C02021	C02041
FH, PH	C02051	C02061	C02081
T, JT, PT, FT	C02251 C02211	C02231	C02271
TH, JTH, PTH PTH	C02261 C02222	C02241	C02281
PT4 Function Options	A, B, C, D, F, H	A, B, C, D, F, G, H, J	A, B, C, D, F, H

Arm Functions:

- Regular, Top Jamb or Parallel Arm
- Friction hold open
- Plunger hold open
- Heavy Duty Dead Stop Reg or TJ
- Heavy Duty Dead Stop PA (hold-open optional)
- Heavy Duty PA (hold open optional)
- Track (hold open optional)
- Double Egress Track (hold open optional)

Closer Functions:

- Adjustable power
- Adjustable backcheck intensity
- Adjustable backcheck positioning
- Adjustable sweep speed
- Adjustable latch speed
- Optional delayed closing from maximum opening angle to approximately 70°

Cover Options:

- Full plastic cover
- Optional full plastic slotted cover
- Optional full metal cover (required for architectural finishes)

Contact Information:

DORMA Architectural Hardware
Dorma Drive, Drawer AC
Reamstown, PA 17567-0411

Tel: 800-523-8483
Fax: 800-274-9724
Email: archdw@dorma-usa.com

A DORMA Group Company

www.dorma-usa.com



How to Order 8900 Series

Spring Size

	16	Adjustable 1-6
Series	56	Adjustable 5-6
8900	07	Fixed Size 7 DA Delay
		Full Metal Cover

89 16

Flat Form Non-Hold Open, Tri-Pack

Flat Form Non-Hold Open, TJ 4"-8" Reveal

Flat Form Non-Hold Open,

Reg/TJ 0"-4" Reveal

Friction Hold Open, Tri-Pack

Friction Hold Open, TJ 4"-8" Reveal

Friction Hold Open, Reg/TJ 0"-4" Reveal

Plunger Hold Open

Parallel Arm (TJ 1 1/2"-3-1/2" Reveal)

Plunger Hold Open, Reg/TJ 0"-1-1/2" Reveal

Door Saver Parallel Cushion Arm

Door Saver Parallel Cushion

Arm Thumb Turn Hold Open

Spring Door Saver Parallel Dead Stop

Integra Cushion Arm Reg/TJ

0"-3-1/2" Reveal

Spring Integra Stop Reg/TJ

0"-3-1/2" Reveal

Integra Cushion Arm

Top Jamb 3-1/2"-6-1/2" Reveal

Spring Integra Stop

Top Jamb 3-1/2"-6-1/2" Reveal

Super Parallel Arm

Super Parallel Arm Thumb Turn Hold Open

Super Parallel Arm Key Hold Open

Track, Pull Side Door Mounted

Jamb Track, Pull Side Frame Face Mounted

Push Track, Push Side Soffit Mounted

Track Double Egress

Pull Side Transom Mounted

Track Hold Open

Pull Side Door Mounted

Push Track Hold Open

Push Side Soffit Mounted

Flush Track Hold Open

Pull Side Frame Face Mounted

Track Application, 90° Pocket Door

Includes 3 ea. 75520

Pocket Pivot (8956 only)

Double Lever Flat Form Arm

90° Pocket Door (8907 only)

AF PKT 90

AF PKT 180

AF89

Body Cover

Full Plastic	FC
Full Plastic Slotted	FCSL
Full Metal Cover	FMC

Accessory Plates*

Drop Plate	XXHD
Back Plate	BS

Other Accessories*

ABXX	Angle Bracket
XXHD	Heavy Duty Bracket
BS	Blade Stop Spacer
BSHD	Blade Stop Heavy Duty

689

AF89P	PFT	PA Transom
AF89J	PD	Drop Bracket
AF89	MJ	Mortise Jamb
FHP		PA Bracket
FHJ		
PHP		
PH		
DS		
DST		
DSK		
S-DS		
S-DST		
IS		
ISH		
S-IS		
S-ISH		
ISJ		
ISJH		
S-ISJ		
S-ISJH		
SPA		
SPAT		
SPAK		
T		
JT		
PT		
TDE		
FT		
TH		
JTH		
PTH		
TDEH		
FTH		
T PKT 90		
T PKT 90/P		
T PKT 90/PF		
AF PKT 90		
AF PKT 180		

Arm Type

TX89	Tox Security Pack
SN2	Sex Nuts 1-3/8"
SN1	Sex Nuts 1-3/4"
SNDPK	Std. and Self-Drilling
DPK89	Self-Drilling
SNTPK	Std. and Self-Tapping
TPK89	Self-Tapping

Fastener Pack

Plated

605	Polished Brass
606	Satin Brass
611	Polished Bronze
612	Satin Bronze
613	Oxidized Satin Oil Rubbed Bronze
618	Polished Nickel
619	Satin Nickel
625	Polished Chrome
626	Satin Chrome
600	Primed
689	Aluminum
690	Statuary Bronze
691	Dull Bronze
693	Black
695	Dark Duranodic Bronze
696	Gold
PNT	Special sprayed finish (must specify)**

Painted

NOTE: All combinations of features and options are not available for all models.

*XX indicates specific accessory model designation required.

** Optional DORMA custom color or Designer Color finishes.

contact Customer Service

Flush Track, Push Side Transom Mounted

Jamb Track Hold Open

Pull Side Frame Face Mounted

Track Double Egress Hold Open

Pull Side Frame Face Mounted

Track Application, 90° Pocket Door (8956 only)

Track Application, 90° Pocket Fire Door

Includes 3 ea. 75523 Pocket Pivot

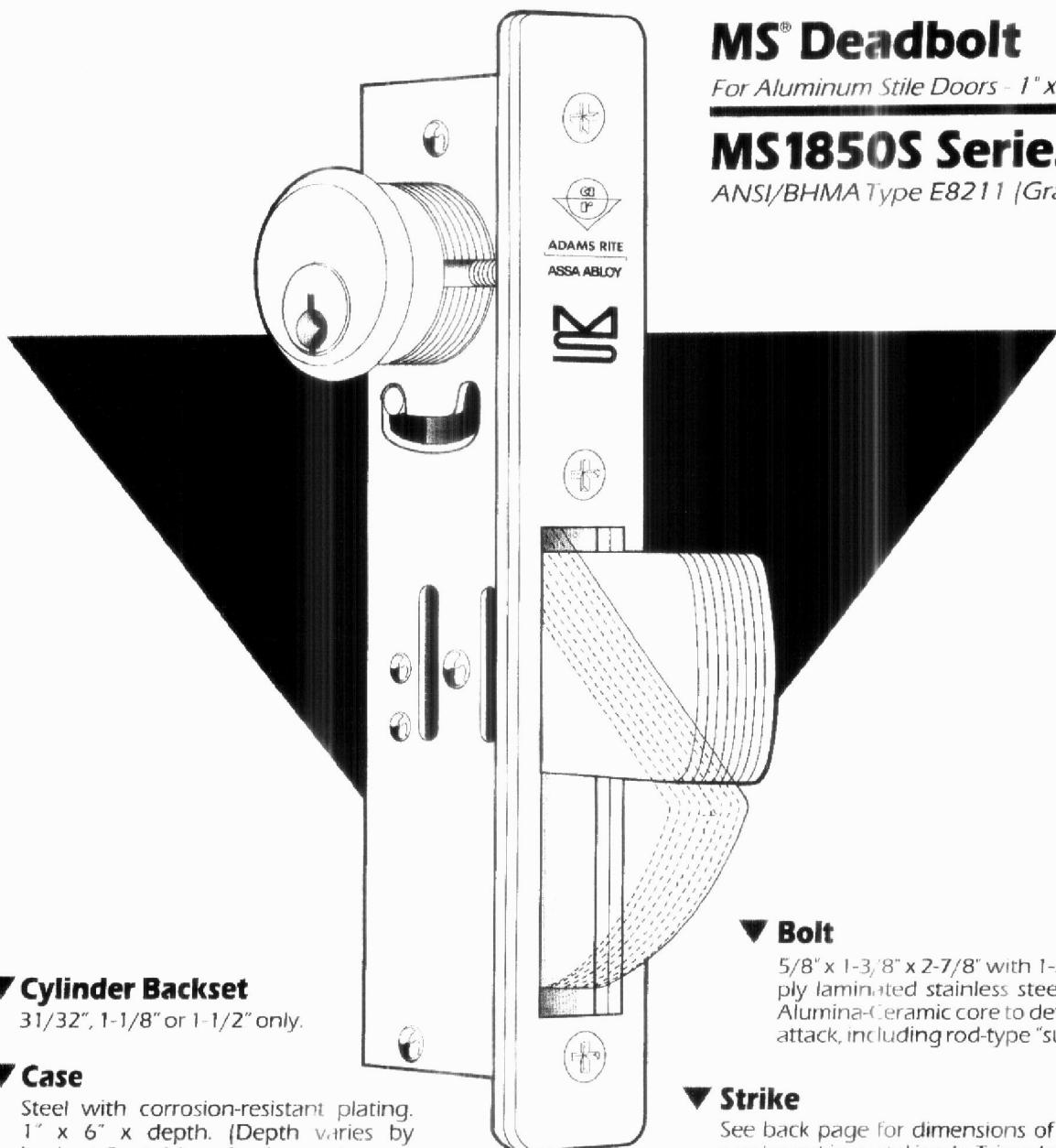
Double Lever Flat Form

180° Pocket Door (8907 only)

SWINGING DOOR HARDWARE



SW-1



▼ Cylinder Backset

31/32", 1-1/8" or 1-1/2" only.

▼ Case

Steel with corrosion-resistant plating.
1" x 6" x depth. (Depth varies by backset. See table on back page.)

▼ Function

A huge bolt of laminated stainless steel, nearly three inches long, activated by an uncomplicated pivot mechanism, has made this basic MS® Deadbolt the standard of the narrow stile door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between door and jamb is greater than it should be.

MS® Deadbolt

For Aluminum Stile Doors - 1" x 6-7/8" Faceplate

MS1850S Series

ANSI/BHMA Type E8211 (Grade 1)

▼ Bolt

5/8" x 1-3/8" x 2-7/8" with 1-3/8" throw. Eight
ply laminated stainless steel. Center ply has
Alumina-Ceramic core to defeat any hacksaw
attack, including rod-type "super" hacksaws.

▼ Strike

See back page for dimensions of strike slot which
can be cut in metal jamb. Trim plate, box strike and
armored strike are also available. (See page SW-17.)

▼ Operation

360° turn of key or thumbturn throws or retracts the
counterbalanced bolt. Key can be removed only when
bolt is in a positively locked or unlocked position. Lock
accepts any standard 1-5/32" diameter mortise cylinder or
thumbturn from either or both sides. Cylinder must have
MS® dimensioned cam. (See page SW-36.)



ASSA ABLOY

260 Santa Fe Street
Pomona, California 91767
(800) 872-3267 Fax:(800) 232-7329
www.adamsrite.com

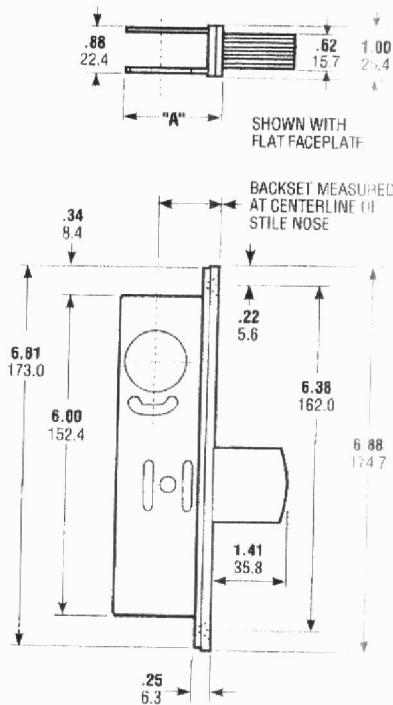
ci
r

MS1850S Deadbolt

DIMENSIONS

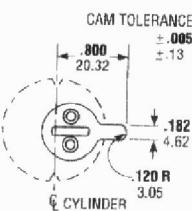
INCHES
MILLIMETERS

Nominal, subject to tolerance extremes



BACKSET	"A"
3 1/32"	1.63 41.4
1-1/8"	1.78 45.2
1-1/2"	2.25 57.1

ARMORED FACEPLATE	
1" x 6-7/8"	
FLAT	MS1850S
RADIUS	MS1851S
RADIUS w/WEATHERSTRIP	MS1851SW
LH BEVEL	MS1852S-015
RH BEVEL	MS1852S-016



Cylinder Cam

MS1850S Series locks are operable by any standard 1-5/32" diameter mortise cylinder with special MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See page SW-36 for cylinder make and trim ring information.

HOW TO ORDER

Specify quantity and the following information.
Order related hardware separately.

Faceplate Shape
1850S Flat
1851S Radius
1851SW Radius w/strip
1852S Bevel

Backset
2 3 1/32"
3 1-1/8"
4 1-1/2"

Handing
15 LH or RHR
16 RH or LHR
10 Non-Handed*

MS 1850S - 215 - 628

Finish
628 Clear Anodized
313 Dark Bronze Anodized
335 Black Anodized

*Any flat or radius face, except Schoolhouse.

INSTALLATION

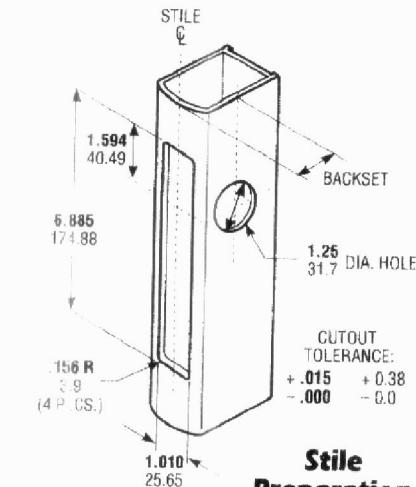
HOW BACKSET IS MEASURED

CYLINDER

FLAT

RADIUS

BEVEL



Stile Preparation

LOCK & STILE

CYLINDER

CYLINDER

CYLINDER

Lock & Cylinder Preparation

OPTIONS

For jams too narrow to accept the long bolt, the MS1850S-050 offers a shorter bolt with hook shape to provide equal security against door-prying attempts. (See catalog page SL-1.) MS1850S-020 short throw without hook also available. Second and third point locking bolts are available for pairs of doors. (See pages SW-11 and SW-12.) All use any make standard mortise cylinder and thus can be keyed into systems with other types of doors. "SCHOOLHOUSE" version, also available, is modified so that operation from inside is "unlock only." This lock is handed and must be specified LH or RH. Specify Series MS1850S. Operation from inside, with standard Adams Rite 4066 Turn seen on page SW-36 or with 4550 Deadbolt Lever (page SW-16). For wood or hollow metal, see MS1850SN.

STANDARD PACKAGE

Individually boxed with machine screws for mounting. Cylinders and/or thumbturn available at extra cost. Shipping weight: 1-1/2 lbs.

Hardware & Accessories

Locks & Accessories

P 572

Standard Mortised Cylinder

For use on all of our doors without panic exit devices. 1 5/32" diameter cylinder, plug and five-pin tumblers are made of brass. Face of lock cylinder is made of anodized aluminum to match door. Use 1 per door with P 023 thumb turn for finger operation from the interior side of the door.



P 009

Dummy Mortised Cylinder

Use on doors in lieu of P 572 or P 023 where restricted access to lock is desired. 1 5/32" diameter cylinder, and plug are made of zinc. Face of dummy cylinder is made of anodized aluminum to match door. Specify interior or exterior location.



P 573

Standard Rim Cylinder

Use on all panic exit device doors.



P 023

Thumb Turn

Use on interior lock stile of all doors without a panic exit device. The thumb turn allows operation of the door lock without using a key.

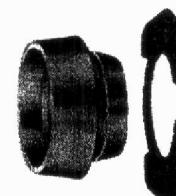


P 716

Cylinder Guard

Adams Rite MS 4043

Protects lock cylinder from removal by wrenches, prying or sawing to gain unauthorized entry. Security ring on exterior of door is made of hardened steel and turns freely when properly snap-fit with retainer plate on interior of stile wall. Painted finish to match door. Order cylinder separately.



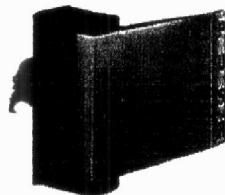
Panic Exit Devices

P 1008

Latch Paddle Exit Device

Adams Rite 4590

Alternate deadlatch operator for P 1421 lock may be used in lieu of lever handle or knob, and may be ordered for push or pull applications. Zinc alloy housing with black finish houses the operating mechanism and is secured to the door stile to resist pressure from any direction. Extruded 5 3/8" x 3" aluminum paddle in clear anodized finish extends 2 15/16" from face of door stile.



P 348a

Lever Handle

Adams Rite 4568

Operator handle for P 1421 deadlatch is 3 1/2" long and shaped for easy grip while keeping thumb and knuckles safely away from door and jamb. Handles are available in black Delrin® nylon. Cam plug is secure in latch body by cylinder set screw and rigidly tied to the handle escutcheon by hardened steel pins. Finish of escutcheon matches the door.

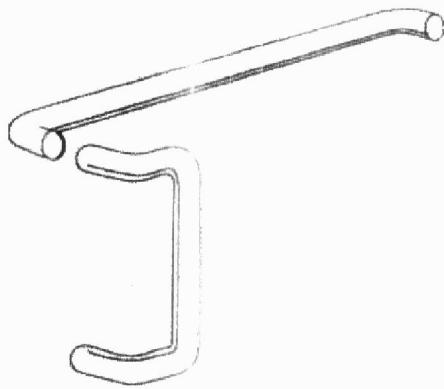


TUBELITE
STOREFRONTS & ENTRANCES
DEPENDABLE



ASSA ABLOY, the global leader
in door opening solutions.

BF15747 - Standards



Available Finishes:

- US3LIFETIME
- White Powder Coat/WPC
- Red Powder Coat/RPC
- Black Powder Coat/BPC
- US32DMS
- US32D316
- US32D/630
- US32316
- US32/629
- US28/628
- US26D/626
- US26/625
- US10B/613
- US10/612
- US4/606
- US3/605
- 315/711
- 314
- 313/710

Specifications:

MATERIAL: Aluminum, Brass, Bronze, or Stainless Steel

MOUNTINGS:

Metal and Wood: T3 Back to Back and Thru Bolt; Pull Free End = 1, Push Free End = 1, Common End = 5.

Metal: T4 Back to Back and Concealed; Pull Free End = 17, Push Free End = 6, Common End = 16.

Wood: T5 Back to Back and Concealed; Pull Free End = 8, Push Free End = 8, Common End = 5.

Metal & Wood: T1 Back to Back and Decorative Bolt; Pull Free End = 12, Push Free End = 12, Common End = 5.

Glass: T2 Back to Back and Thru Bolt; Pull Free End = 15, Push Free End = 15; Common End = 13.

T3 is the standard mounting method for Metal and Wood Doors. (See our mounting selections on this site.)

ORDERING:

Specify product number, mounting, door type, push bar CTC, and finish (i.e., BF15747 T3, wood door, 33" CTC, US32D316).

OPTIONS:

- Engraving "PUSH" or "PULL" (specify handling).
- Base plates available — use BP prefix (BPBF15747) when ordering.
- Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BF15747 T3HD).

MATERIAL SIZE: 1" dia.

PULL:

CTC: 8

Projection: 3-1/2"

Clearance: 2-1/2"

PUSH:

Projection: 2-1/2"

Clearance: 1-1/2"

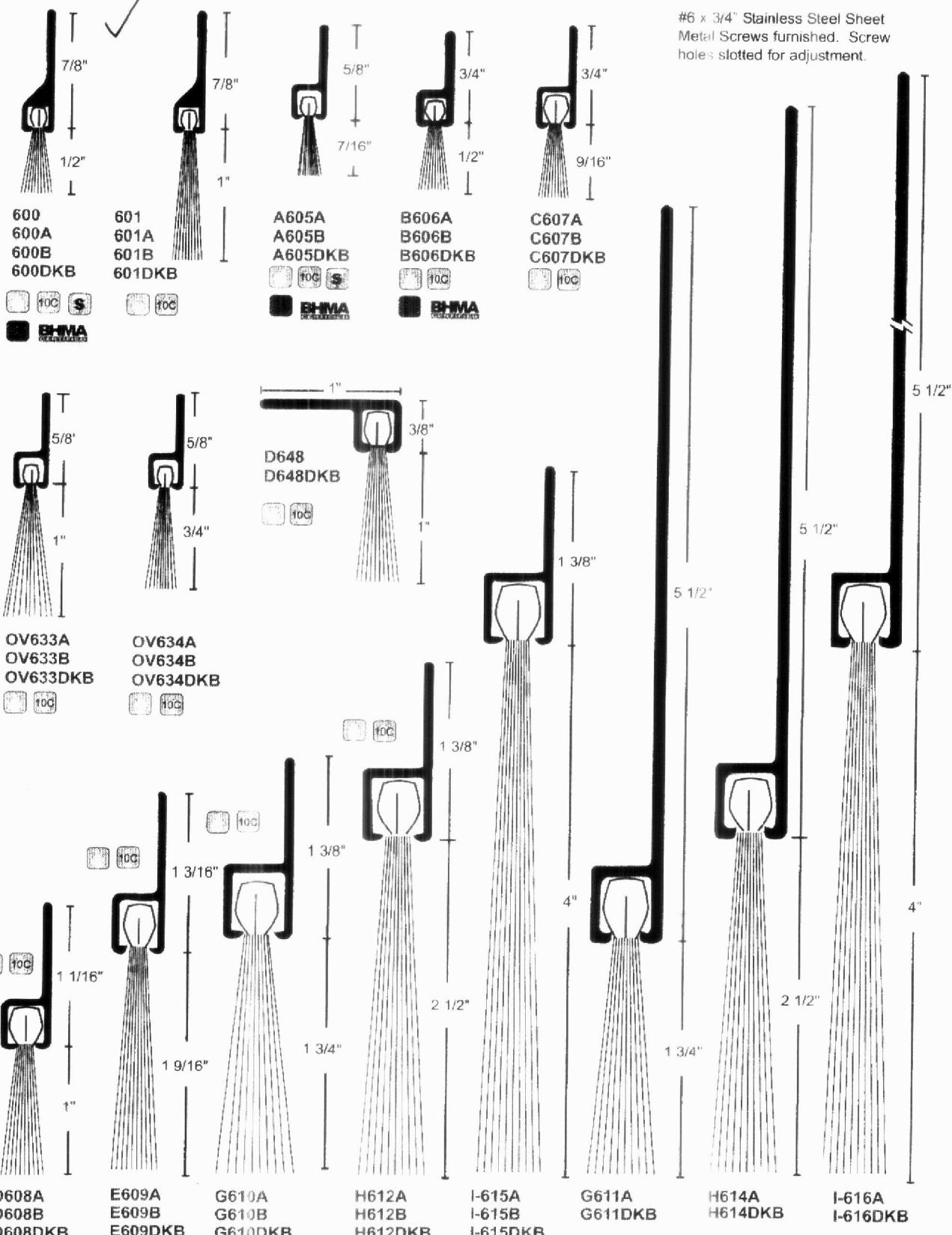
WEIGHT: 12.8 lbs.

ANSI 156.6: J505

Rockwood Manufacturing Company • 300 Main Street • Rockwood, PA 15557
P 800.458.2424 • F 800.922.9212 • info@rockwoodmfg.com • www.rockwoodmfg.com
Copyright © 2008 Rockwood Manufacturing Co. All rights reserved.

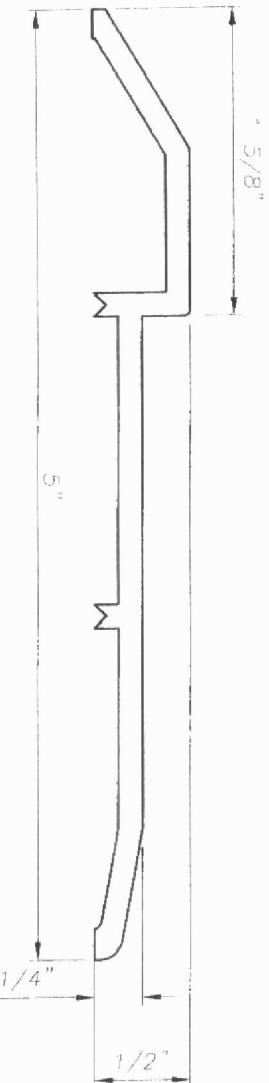
GASKETING

Nylon Brush Seals



COMPANY:
ACCOUNT#
ADDRESS:
ADDRESS:
PHONE:
FAX:
CONTACT:

REVISIONS			
REV.	DESCRIPTION	DATE	APPR'D
A	REDRAWN	6/3/08	



882 PROFILE VIEW

TOLERANCE = ALUMINUM ASSOCIATION

TYPICAL WALL THICKNESS = .125"
WGHT. = .83 LBS/FT

AVAILABLE FINISHES:
ALUMINUM (MILL)

DKB
S/A



NATIONAL GUARD PRODUCTS, INC.
4985 EAST RAINES ROAD
MEMPHIS, TN 38118
PHONE (800) 647-7874
FAX (800) 255-7874

TITLE

882

DRAWN BY:	MAURICE WILLIAMS	SIZE	PCN NO.	Dwg No.	REV
		A	SCALE FULL	1	A