

o for people who care about quality

CHALLENGER*



1712 (For 800 series). 17129 (For 900 series). Cast. 8% " x 12". Threaded. Min. backset 5". Pictured in polished brass with Sapphire knob.



provides a complete line of quality hardware for all latching and locking requirements

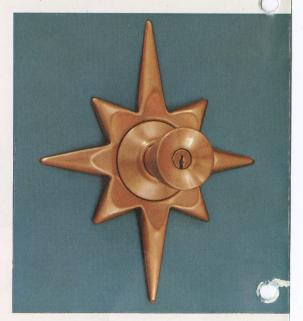
BEAUTY AND SMART STYLING of Challenger escutcheons form a fashionable background for the high quality of Challenger locksets. Shown here are some of the most popular. These, and others, may be used in various combinations with the many Challenger knob designs to enhance the appearance of any doorway.



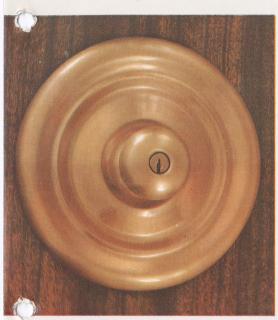
1726 (For 500 and 800 series with $2\frac{1}{2}$ " roses). Wrought. $5\frac{1}{8}$ " x 7". Min. backset 5". Pictured in dull chrome with Holiday knob.



1715 (For 500 and 800 series). 17159 (For 900 series). Wrought. $5\frac{1}{2}$ " sq. Min. backset 5". Pictured in dull bronze with Holiday knob.



1709 (For 500 and 800 series with $2\frac{1}{2}$ " roses). Wrought, $7\frac{1}{6}$ " x 9". Min. backset 5". Pictured in dull bronze with Holiday knob.



1722 (For 800 series). 17229 (For 900 series). Cast. 8" dia. Threaded. Min. backset 5". Pictured in dull bronze with Thor knob.

1714 (For 500 and 800 series with $2\frac{1}{2}$ " roses). Wrought. $3\frac{3}{4}$ " sq. Min. backset $2\frac{3}{6}$ ". Pictured in polished brass with Venus knob.



1707 (For 800 series). 17079 (For 900 series). Cast. $4^{1}/_{4}$ " x 7". Threaded. Min. backset $23/_{4}$ ". Pictured in satin anodized aluminum with Concave knob.



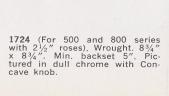
1704 (For 500 and 800 series with $2\frac{1}{2}$ " roses). Wrought. $3\frac{3}{4}$ " dia. Min. backset $2\frac{3}{6}$ ". Pictured in polished brass with Venus knob.



1701 (For 500 and 800 series). 17019 (For 900 series). Wrought. 65% dia. Min. backset 5". Pictured in polished brass with Sapphire knob.



1716 (For 500 and 800 series with $2\frac{1}{2}$ " roses), Wrought, $3\frac{1}{2}$ " x $7\frac{1}{2}$ ". Min. backset $2\frac{1}{8}$ ". Pictured in polished brass with Holiday knob.

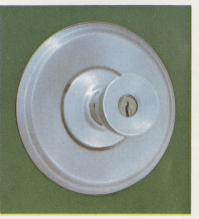




1725 (For 500 and 800 series with $2\frac{1}{2}$ " roses). Wrought, 8" sq. Min. backset 5" when mounted square, 7" when mounted diagonally. Pictured in dull chrome with Venus knob.



1750 (For 500 and 800 series). 17509 (For 900 series). Wrought. 51/2" dia. Min. backset 5". Pictured in satin anodized aluminum with Holiday knob.





the smoothest lockset ever built...

CHALLENGER 900 SERIES HEAVY DUTY LOCKS

The Challenger 900 Series lock is a piece of precision equipment unsurpassed for service, dependability, and smoothness of operation. Heavy, cold forged knobs; extra large sapphire-hard spindle bearings; aircraft aluminum housing and many other outstanding design and construction features assure architect and builder of the ultimate in quality for any commercial installation. Available in full range of functions.

JUPITER DESIGN — .080" cold forged knob and rose. 2½" knob. 3" sq. rose. 2-11/16" projection. Pictured in dull bronze finish.



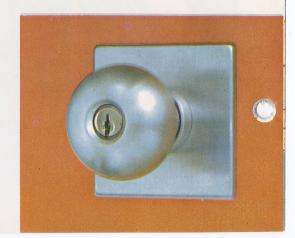




EXPLORER DESIGN—.080" cold forged knob and rose. $2^{1}/_{4}$ " knob. 3" dia. rose. $2^{-1}1/16$ " projection. Pictured in dull bronze finish.



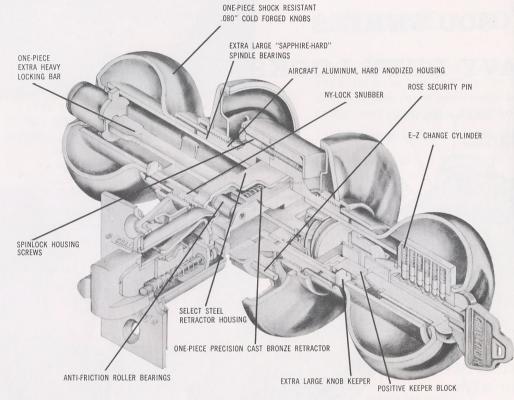
HERCULES design—.080" cold forged knob and rose. $2\frac{1}{4}$ " knob. 3" square rose. 2-11/16" projection. Pictured in dull chrome plated finish.



FIESTA design—.080" cold forged knob and rose. 214" knob. 3" dia. rose. 2-15/16" projection. Pictured in polished brass finish.

MATADOR DESIGN—.080" cold forged knob and rose. $2\frac{1}{4}$ " knob. 3" dia. rose. $2\cdot15/16$ " projection. Pictured in satin anodized aluminum.



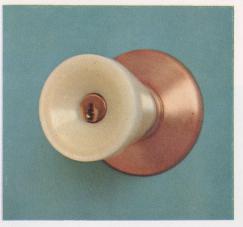




PLUTO DESIGN—.080" cold forged knob and rose. $2\frac{1}{4}$ " knob. 3" sq. rose. $2\cdot15/16$ " projection. Pictured in dull chrome plated finish.

REGENT design—.080" cold forged knob and rose. $2\frac{1}{4}$ " knob. 3" dia. rose. 2-11/16" projection. Pictured in polished brass finish.





KNOBS IN COLOR...

DECOR DESIGN—Delrin* knob, .080" cold forged rose. 21/4" knob. 3" dia. rose. 3-1/16" projection. Pictured with white Delrin* knob, dull bronze finish rose. (Available in other decorator colors).

*Delrin is a trademark of DuPont Co.

SPECIFICATIONS FOR CHALLENGER 900 SERIES

heavy-duty cylindrical locks and latches for commercial and industrial buildings for doors 1 3 %" to 2 1 4" thick

CYLINDRICAL HOUSING: Hard anodized (Sanford process) pressure cast aircraft aluminum with brass case 2-1/16" diameter for 2½"

BACKSET: 23/4" standard, 5" or greater when specified

FRONT: Wrought brass or bronze $2\frac{1}{4}$ " x $1\frac{1}{8}$ " beveled $\frac{1}{8}$ " in 2". Flat front when specified.

STRIKE: $2\sqrt[3]{''}$ with curved lip $1\sqrt[4]{8}$ " to center and attached wrought box. Other lengths of lip to order.

LATCH BOLT UNIT: Steel zinc plated, dichromated 15/16" diameter for 1" hole in edge of door. Solid brass or nickel-silver latch bolt with $\frac{1}{2}$ " throw . $\frac{3}{4}$ " throw when so ordered. Deadlocking latchbolt where indicated by type.

KNOB SPINDLE BEARINGS: .950" diameter. Sapphire-hard surfaced. Length of bearing $11\!/\!\!/8$ " for each knob.

ROSE ATTACHMENT: Threaded roses. Outer rose held firm by security pin. Inner rose by Nylock anti-loosening device.

MATERIAL: Brass, bronze or aluminum trim, All steel parts zinc plated and dichromated. Aluminum housings hard anodized (Sanford process)

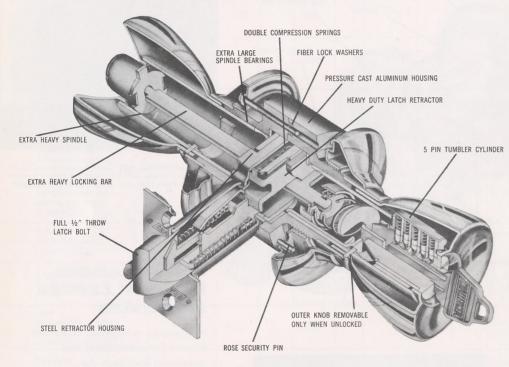
CYLINDER: 6 pin tumbler extruded brass.

MEETS THE REQUIREMENTS OF FEDERAL SPECIFICATIONS FF-H-106a, series 161.

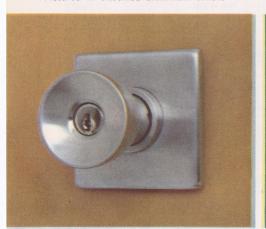
the finest finishing touch for any home . . .

CHALLENGER 800 SERIES

SEMI-HEAVY DUTY LOCKS



PIPER design—Wrought knob, forged rose. 1.15/16'' knob. 3'' sq. rose. $2\frac{3}{8}''$ projection. Pictured in anodized aluminum finish.



POLARIS design — Wrought knob, rose. 2" knob. 3" sq. rose. 23%" pr Pictured in dull chrome finish. projection.





MARS design — Wrought knob, forged rose. $2\frac{1}{4}$ " knob. 3" square rose. $2\frac{1}{8}$ " projection. Pictured in dull chrome plated finish.

Wherever fine residential or light commercial construction calls for quality, there is no smarter selection than the Challenger 800. Well engineered, with many of the features of the heavy duty series, this rugged lockset provides dependable latching or locking for every door. Wide variety of knob designs and metal finishes offers combinations to please the most discriminating buyers. Complete line of accessories makes it possible to go "Challenger" throughout.

SPECIFICATIONS FOR CHALLENGER 800 SERIES

semi-heavy duty cylindrical latchsets and locksets for doors 13/8" to 13/4" thick

CYLINDRICAL HOUSING: Pressure cast aircraft aluminum 2-1/16" diameter for $2 \frac{1}{8}$ " hole in door.

BACKSET: $2\frac{3}{4}''$ standard. $2\frac{3}{4}''$, 5'' or greater when specified.

FRONT: Wrought brass, bronze or aluminum. $2\frac{3}{4}''$ x 1" flat front standard. $2\frac{1}{4}''$ x 1\frac{1}{2}'' front beveled $\frac{1}{6}''$ in 2" with $2\frac{3}{4}''$ backset.

STRIKE: Wrought brass or bronze 23/4" x 11/6" regularly furnished with curved lip 11/4" to center. 21/4" x 1-13/16" when ordered. Wrought box provided to order. Other lengths of curved lips to order.

LATCH BOLT UNIT: Steel zinc plated, dichromated 13/16" diameter for 7/8" hole in edge of door. Solid brass or nickel silver latch bolt with ½" throw regularly furnished. 3/4" throw when so ordered. Deadlocking latch bolt where indicated by type.

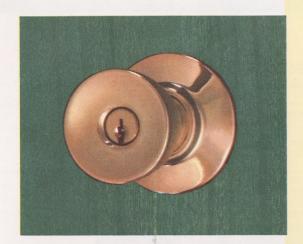
KNOB SPINDLE BEARINGS: .915" diameter, Length of bearing 1" for each knob.

ROSE ATTACHMENT: Outer rose threaded, held firm by security pin. Inner snap-on rose fastened with 2 machine screws. Fiber lock washers prevent loosening of screws.

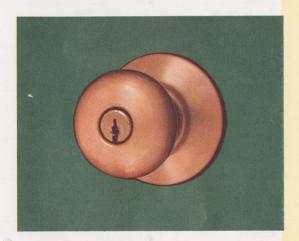
MATERIAL: Brass, bronze or aluminum trim. All steel parts zinc plated and dichromated.

CYLINDER: 5 pin tumbler furnished in 3 types. 6 pin tumbler type C available when specified.

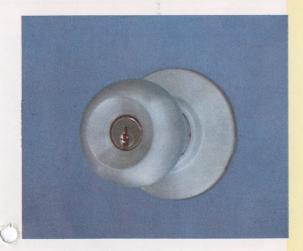
MEETS THE REQUIREMENTS OF FEDERAL SPECIFICATIONS FF-H-106a, series 160.



HOLIDAY design—Wrought knob and rose. 1%'' knob (500 series), $1\cdot15/16''$ knob (800 series), $2^12''$ rose. $2^38''$ projection. Pictured in polished brass finish.



VENUS (METRO) design—Wrought knob and rose, VENUS: 500 and 800 series, 2" knob. 2½" rose, 2½" projection. METRO: 800 series, 2½" knob. 2-13/16" rose, 2½" projection. Pictured in dull bronze finish.



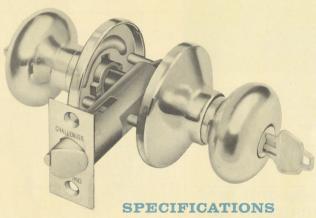
CONCAVE design—Wrought knob and rose. 2'' knob. $2\frac{1}{2}$ " rose. $2\frac{9}{8}$ " projection. Pictured in satin anodized aluminum finish.

security, style, and savings . . .

CHALLENGER 500 SERIES STANDARD DUTY LOCKS

Proved over the years as the ideal combination for security and style in budget building, the 500 Series offers the distinction of design seen in far more costly hardware. Challenger standard escutcheons complement all 500 knob designs.

Installation is fast and simple with trouble-free service assured.



FOR CHALLENGER 500 SERIES

self-aligning latch and locksets

KNOBS: Wrought brass, bronze or aluminum. 2" dia.

ROSETTES: Wrought brass $2\frac{1}{2}$ " dia. Installed with two machine screws.

LATCH CASE: Pressure cast fits 1/8"

dia hole.

BACKSET: 23/8".

FRONT: Brass, 21/4" x 1".

BOLT: Pressure cast, 3/4" x 9/16" x 3/8"

throw.

SPRINGS: Double compression—light on latch, heavy on knob.

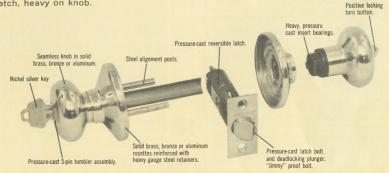
CYLINDER: 5-pin tumbler.

STRIKE: Brass, curved lip.

MATERIALS: Solid brass, bronze or aluminum trim. All steel working parts cadmium or zinc plated.

OPERATION: According to type. Bathroom and bedroom locks have emergency release from outside.

INSTALLATION: Bore $\frac{7}{8}$ " or $\frac{15}{16}$ " hole for latch, $\frac{21}{8}$ " hole for housing.



Available in HOLIDAY, VENUS and CONCAVE designs

TO SIMPLIFY YOUR SELECTION...



RECOMMENDED	Residential 500 Series	Semi-Heavy Duty 800 Series		Heavy Duty 900 Series		Inner knobs always	LOCK OUTLINE	
USE	Cat. No.	Cat. No.	Fed. Spec. 160-	Cat. No.	Fed. Spec. 161-	free (X) Dead- locking latch (√)	OUTSIDE INSIDE (SEE SYMBOLS BELOW)	FUNCTION NOTE (5). (Turn button on 500 series locks or unlocks both knobs simultaneously.)
		N	ON KE	YED OPE	RATIO	N LOCKSE	TS AND LATCHSETS	
Passage Latch For doors not required to be locked.	500\$	8008	N	9008	N	X		Both knobs always free. Spring latch.
Closet Latch For closets not required to be locked.	503S (Formerly 520)	803S		9038		Х		Knob & thumb turn always free. Spring latch.
Exit Latch For exits, twin com- municating or pipe shaft doors (formerly O2D).		804D		904D		V	BP (Knob always free. Blank plate inside.
Privacy Lock For bathroom, bedroom or other doors requiring privacy.	510S (510S Locked by turn button)	810S	L	910S	L	x ⁽⁵⁾		Locked by push button. (5) Released by coin or other object. Automatically releasing spring latch. (except 510S)
Communicating Privacy Lock For communicating bathroom doors.		810ST		910ST		X		Locked by push button. Released by turn button. Automatically releasing spring latch.
Communicating Lock For connecting doors.		812D	М			V		Turn button in either knob locks or unlocks both knobs.
Inner Office Lock For doors requiring locking only when occupied.		820D	Р	920D	Р	X		Push button locking. Automatic latch release.
Exit Lock For exit doors not requiring a key.	530D	830D	Q	930D	Q	χ ^⑤ /		Turn button locking.
Communicating Lock For communicating doors.				931D	М	V		Turn button in either knob locks or unlocks opposite knob.
Twin Communicating Lock For twin communicating doors.		833D		933D		X v		Turn button locks thumb turn.
Exit Latch For permanently locked exit doors.	gir madztet asydt dantos	840D	NX	940D	NX	X v		Outside knob always rigid.
				KEYED	OPERA	TION LOCI	KSETS	
Office Lock For office doors		850DC 850DE 850DZ	B - -	950DP	В	X		Key unlocks when locked by push button.
Dormitory Lock For public restroom or dormitory bedroom doors.		855DC 855DE 855DZ	B Mod. — —	955DP	Т	X v		Key locks or unlocks outside knob, also locked by push button. Automatic latch release.
Exterior Lock For entrance or office doors.	560DK	860DC 860DE 860DZ	A - -	960DP	A	χ (5) √		Key unlocks when locked by turn button.
Exterior Lock For entrance or office doors.		870DC 870DE 870DZ		970DP		X v		Key unlocks when locked by dual purpose button. Outer knob fixed by rotating button.
Entrance Lock For vestibules, office building restrooms, or apartment house entrance doors.		871DC 871DE		971DP	С	X		Entrance by key in outside knob when locked by key in inside knob.
With hold-back feature.		871DCHB 871DEHB		971DPHB		X v		Same as above except key in inside knob can also hold latch bolt retracted.

PUSH BUTTON

KNOB SYMBOLS AND LOCKING OPERATIONS

The Push Button provides a non lock-out feature which unlocks automatically when the inside knob is turned.

TURN BUTTON

The Turn Button shows the door is locked when in the horizontal position, or unlocked in the vertical position. This button must be rotated manually to lock or unlock.

CHART OF LOCK FUNCTIONS

RECOMMENDED USE	Residential 500 Series	Semi-Heavy Duty 800 Series		Heavy Duty 900 Series		Inner knobs always free (X)	LOCK OUTLINE	FUNCTION	
	Cat. No.	Cat. No.	Fed. Spec. 160-	Cat. No.	Fed. Spec. 161-	Dead- locking latch (✔)	OUTSIDE INSIDE (SEE SYMBOLS BELOW)		
	Hotel Lock For hotel guest room doors.		872DC 872DE		972DP	Н	X ,		Outside knob rigid. Guest, maid & masterkey unlocks except when locked by shut out button which exposes visual indicator on cylinder, then by emergency key only. Special spanner key rotates button for guest shut out. Automatic latch release.
	Communicating Lock For communicating bathroom doors.				975DP	U	V		Key locks or unlocks both knobs. Also locked by push button. Automatic latch release.
0	Service Station Lock For public rest room doors where privacy is desired (Formerly 70DAP).		877DC 877DE 877DZ	E	977DP	E	X		Key unlocks when locked by dual purpose button. Outer knob fixed by rotating button. Automatic latch release.
	Classroom Lock For classroom or utility room doors. With hold-back feature.		880DC 880DE 880DZ 880DCHB 880DEHB	R —	980DP 980DPHB	R	X v		Key locks or unlocks outside knob. Same as above except key can also hold latch bolt retracted.
	Communicating Lock For communicating or store entrance doors.		881DC 881DE		981DP	S	V		Key in either knob locks or unlocks its own knob only.
	Store Door Lock For store entrance or communicating doors. With hold-back feature.		882DC 882DE 882DCHB 882DEHB		982DP 982DPHB	G	V		Key in either knob locks or unlocks both knobs. Same as above except key can also hold latch bolt retracted.
	Closet Lock For closet doors.		883DC 883DE 883DZ		983DP		X v		Key locks or unlocks outside knob. Thumb turn inside always free.
	Cabinet Lock For closets, cabinets or pipe shaft doors.		884DC 884DE 884DZ		984DP		V	BP BP	Key locks or unlocks outside knob. Blank plate inside.
0	Communicating Lock For communicating doors.				985DP	F	1		Key in either knob locks or unlocks opposite knob.
	Institutional Lock For institutional doors.				989DP		٧		Inside knob rigid. Key in outside knob locks or unlocks its own knob only. Exit by kęy only in inside knob.
	Store Room Lock For store room or exit doors.		890DC 890DE 890DZ	D -	990DP	D	X		Outside knob rigid. Entrance by key only.
	Fixed Knob Lock For permanently locked passage doors.		891DC 891DE		991DP	W	٧		Both knobs rigid. Key only in either knob retracts latch bolt.
	Closet Lock For key operated utility closet doors.		893DC 893DE 893DZ		993DP		X v		Outside knob rigid. Entrance by key only. Thumb turn always free.
	Cabinet Lock For key operated closet, cabinet or pipe shaft doors.		894DC 894DE 894DZ		994DP		٧	d BP	Outside knob rigid. Entrance by key only. Blank plate inside.
(pri)	Institutional Lock For institutional doors.				998DP		٧		Outside knob rigid. Key in inside knob locks or unlocks its own knob only. Entrance by key only in outside knob.
0	Dummy Trim	X500	X800		X900				For pulls and dummy trim.
	Working Trim		X800WT		X900WT				For use with mortise locksets.
CHUT OI	IT RUTTON	•	DUAL PUI	DDOSE	RUTTON			EMEDDENRY ACCEC	

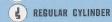
SHUT OUT BUTTON

The Shut Out Button found in hotel locksets will automatically unlock unless it is rotated by a special spanner key thus shutting out all keys except the Emergency key. The shut out button will not rotate accidentally or without the use of the spanner key.

DUAL PURPOSE BUTTON

The Dual Purpose Button combines the convenience of the push button and the security of the turn button. The button will unlock automatically when the slot is in the vertical position or it may be rotated to the horizontal position where it will remain locked until returned manually.









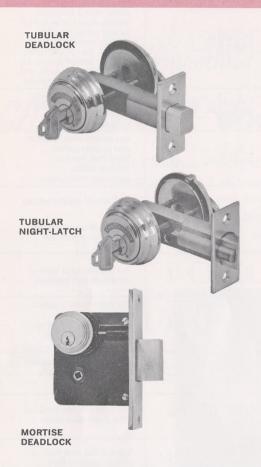
THUMB TURN



BLANK PLATE

an extensive range of quality products provide a single source for door hardware...

CHALLENGER ACCESSORIES



DEADLOCKS AND NIGHT LATCHES

Available in Brass or Bronze

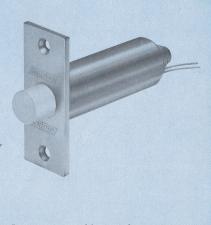
DEADLOCKS			NIGHT LATCHES		
TUBULAR	MORTISE	EXTRA HEAVY MORTISE	TUBULAR	OPERATION	
111	112B	122B	311	Key from both sides	
1	113B	123B	3	Key from outside, thumb turn from inside	
1X	114B	124B	3X	Key from outside, no inside operation (Blank Plate on Tubular Sets)	
01	115B	125B	_	Key from outside, thumb turn inside will withdraw but not project bolt	
1T	116	126	3T	No cylinder, thumb turn from inside	

ELECTRIC LOCKING DEVICES

for

- Air Traps
- Light Traps
- Communicating Bathrooms

Challenger 1400 series electric locking devices provide remote locking wherever safety, security or privacy is desired. The basic unit is adaptable to dozens of different applications. Installation is simple. Operation is dependable and trouble-free.



Specialized applications are engineered to meet specific requirements.

CABINET LOCKS



WARDROBE LOCKS cat. #1230



3-POINT CABINET LOCKS cat. #1233



DRAWER LOCKS cat. #1238

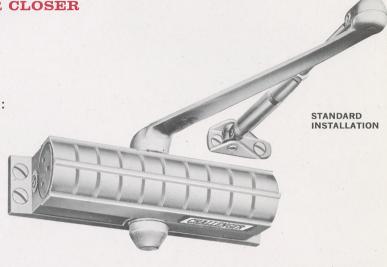


SLIDING DOOR LOCKS cat. #1236

2150 SERIES "SLIM-STILE" DOOR CLOSER

A new concept in hydraulic door closers, the Challenger 2150 series offers these features:

- Four sizes to meet most requirements. Catalog numbers 2152; 2153; 2154; 2155.
- Full rack and pinion mechanism.
- Universal application, non-handed.
- 1¾" body permits narrow stile and top jamb applications.
- Aluminum body for lighter weight and years of trouble-free service.
- Adjustable 2-speed closing.
- Optional: delayed action; back check; hold open; fusible link hold open; hospital hold open, and parallel arms.







CORNER BRACKET INSTALLATION



PADLOCKS

5 or 6 pin tumbler; Extruded brass case 2" width x 1-13/16" height. % "hardened steel shackle %" clearance.

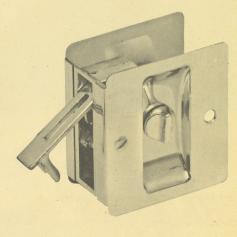


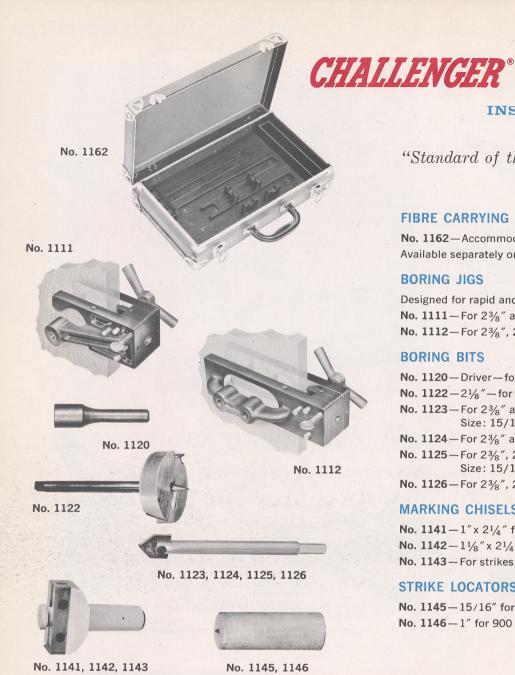
SLIDING DOOR LOCKS AND LATCHES

600 Series. Available in brass, bronze or aluminum.

Adjustable for 1%" to 1¾" doors. Reversible.

	Cat. # and Description	Operation
600	Combination pull	Blank both sides
601	Privacy lock	Turn button one side, emergency release on other side
602	Patio lock	Turn button one side, blank other side
604	Communicat- ing lock	Turn button both sides
X600	Dummy trim	Flush pulls and dummy trim





INSTALLATION AIDS

"Standard of the Industry"

FIBRE CARRYING CASE

No. 1162—Accommodates either No. 1111 or No. 1112 boring jigs. Available separately or with complete installation kits.

BORING JIGS

Designed for rapid and accurate drilling of doors 13/8" to 2" thick.

No. 1111 — For $2\frac{3}{8}$ " and $2\frac{3}{4}$ " backset.

No. 1112 - For $2\frac{3}{8}$ ", $2\frac{3}{4}$ " and 5" backset.

BORING BITS

No. 1120 - Driver - for all bits; fits in electric drill or brace.

No. $1122-2\frac{1}{8}$ "—for all locksets.

No. 1123—For $2\frac{3}{8}$ " and $2\frac{3}{4}$ " backsets, 500 and 800 series. Size: 15/16" x 6"

No. 1124 - For 23/8" and 23/4" backset, 900 series. Size: 1" x 6"

No. 1125 – For $2\frac{3}{8}$ ", $2\frac{3}{4}$ " and 5" backset, 500 and 800 series. Size: 15/16" x 9"

No. 1126 – For $2\frac{3}{8}$ ", $2\frac{3}{4}$ " and 5" backset, 900 series. Size: 1" x 9"

MARKING CHISELS

No. 1141 – $1'' \times 2^{1}/4''$ for 500 and 800 series latch faces.

No. 1142 $-1\frac{1}{8}$ " x $2\frac{1}{4}$ " for 900 series latch faces.

No. 1143 - For strikes 23/4" in height.

STRIKE LOCATORS

No. 1145 — 15/16" for 500 and 800 series.

No. 1146-1" for 900 series.

FINISHES (U.S. Standard)

NATURAL METAL FINISHES

- Polished brass, lacquered
- Dull brass, lacquered
- Polished bronze, lacquered
- 10 Dull bronze, lacquered
- 10B Oil rubbed bronze
- 28 Satin anodized aluminum, waxed
- 32 Polished stainless steel
- 32D Dull stainless steel

PLATED FINISHES

26 Polished chromium plated

26D Dull chromium plated

19 Dull black

for years, one of the makers.

of the world's finer locks.

HALLENGER LOCK CO.

2349 WEST LA PALMA AVENUE • ANAHEIM, CALIF.

Form 50-5111 Printed in U.S.A. ©1961 Challenger Lock Co.