Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

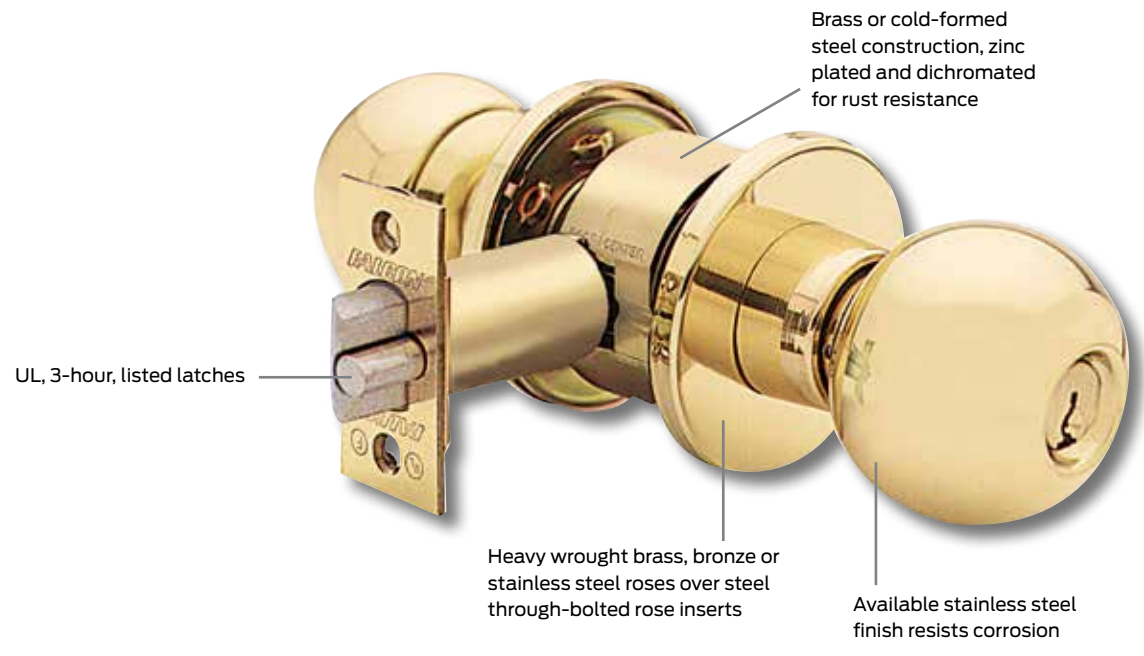K900 Series

Construction keying and product ID chart

X Series

Grade 1, heavy-duty cylindrical knob locks

When you need a tough, reliable lock that can also withstand the corrosive conditions of a marine environment you need a Falcon X Series lock with our stainless steel (SS) construction. The SS option provides a stainless steel and nonferrous constructed chassis that, when paired with stainless steel trim, provides a Grade 1 lock that is resistant to corrosion when exposed to moisture and salt. This full knob line features an interchangeable core that can be removed for quick, easy re-keying. Our interchangeable cores are compatible with SFIC products from other manufacturers. And they're backed by one of the best names in the business.

Features

Brass or cold-formed steel construction, zinc plated and dichromated for rust resistance

UL, 3-hour, listed latches

Heavy wrought brass, bronze or stainless steel roses over steel through-bolted rose inserts

Available stainless steel finish resists corrosion

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart

Features, benefits and specifications

X Series

Features

Door thickness: 1 3/8" to 1 7/8" doors. Locks for thicker doors also available. Consult factory.

Backset: 2 3/4" standard. 2 3/8" also available.

Mechanism: Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel. SS Series available with all internal parts of stainless steel or other nonferrous materials.

Attachment: Locks secured to door by threaded collars. Inner collar tightened by special wrench furnished with each lock. Outer rose contains locking plate to prevent unauthorized removal.

Handing: Specify hand of door when ordering. Field reversible.

Cylinders: Drilled with 6-pin chambers, pinned in 5. Pinning in 6 chambers available when specified, at no cost. 7-pin cylinders available in Hana design. Cylinder assemblies removable to rekey or change hand of lock. Also available with 6 or 7-pin interchangeable core cylinders–Elite and Troy designs. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard. See page 48.

Keyways: "G" keyway standard on standard cylinders. "A" keyway standard on I/C core cylinders. Also available with other keyways and some competitor keyways. See page 50.

Trim: Roses are heavy wrought brass, bronze or stainless steel, installed over wrought steel reinforcing plates. Knobs are brass, bronze or stainless steel secured by a steel knob retainer which cannot be depressed when lock has been locked. See individual designs on pages 46 for details.

Latches: 1/2" bolt projection, UL Listed for A-label applications. Standard latch faceplates 2 1/4" x 1 1/8" with square corners to accommodate beveled or flat front doors. 3/4" projection, UL Listed latch with 2 3/4" backset also available.

Strikes: 47/8" x 11/4" ANSI strike with curved lip to meet ANSI A115.2 standard door frame preparation standard. Consult Options and Accessories section for other strike sizes and configurations.

Screws: Furnished with combination wood/machine screws for use in wood or metal doors and frames.
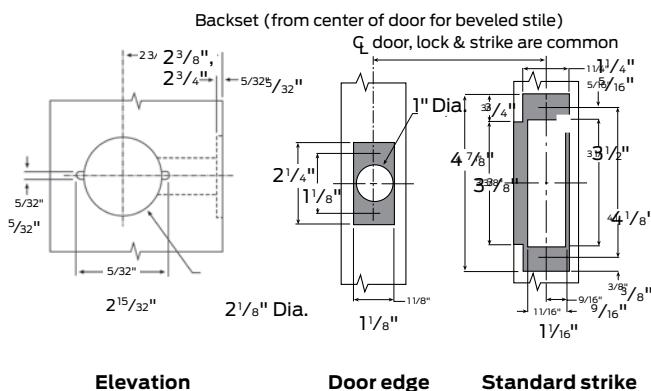
ANSI/BHMA: Meets ANSI/BHMA A156.2, Series 4000, Grade 1.

UL: 3 hour A label.

Specifications

Key-in-knob cylindrical locksets shall be Falcon Lock X Series or equal and meet the following requirements:
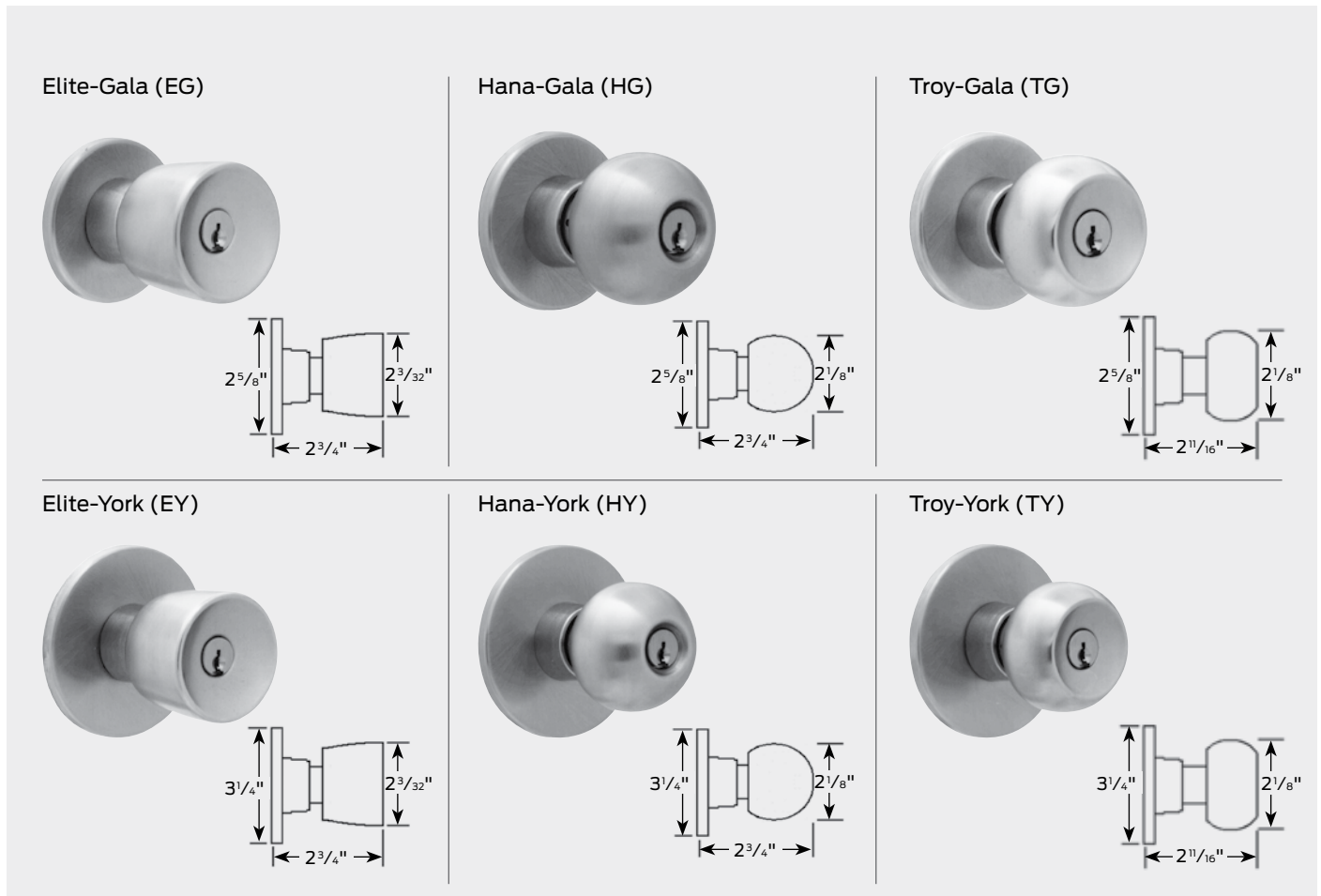
- All locksets and latchsets shall meet Grade 1 requirements of ANSI/BHMA 156.2, Series 4000.

- Locksets and latchsets shall be UL Listed for use on 3 hour A label doors.

- Locksets and latchsets shall have 3 1/4" diameter round roses.

- Knobs shall be .050" minimum thickness.

- There shall be no exposed screws on trim.

- Locksets and latchsets shall have threaded collars for easy door thickness adjustment on both sides of lock.

- Cylinders shall have a minimum of 6 active pin chambers and shall be furnished with 2 nickel silver keys.

- Locksets shall have 6-pin (or 7-pin) interchangeable cores.

Backset (from center of door for beveled stile)

Elevation   **Door edge**   **Standard strike**

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart

Designs and styles

Lever styles

Knobs and roses are wrought brass, bronze or stainless steel (Troy) installed over steel or nonferrous reinforcing plates. Knobs are secured by a spring-loaded retainer. Retainer cannot be depressed when locks have been locked.

Elite-Gala (EG)

$2^5/_8"$ $2^3/_{32}"$
$2^3/_4"$

Hana-Gala (HG)

$2^5/_8"$ $2^1/_8"$
$2^3/_4"$

Troy-Gala (TG)

$2^5/_8"$ $2^1/_8"$
$2^{11}/_{16}"$

Elite-York (EY)

$3^1/_4"$ $2^3/_{32}"$
$2^3/_4"$

Hana-York (HY)

$3^1/_4"$ $2^1/_8"$
$2^3/_4"$

Troy-York (TY)

$3^1/_4"$ $2^1/_8"$
$2^{11}/_{16}"$

Abrasive coated levers

All trim is available with abrasive coating around the circumference of the knob to identify entrances to hazardous areas to the handicapped. To order, add: "with abrasive coated outer knob" in detail section of order.

Knurled knobs

All heavy duty knobs are available knurled to identify entrances to hazardous areas for the handicapped. To order add: "with knurled knob" (outer or inner) in detail section of order.
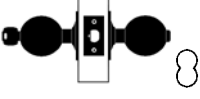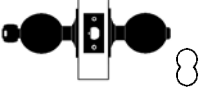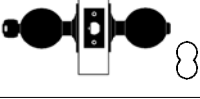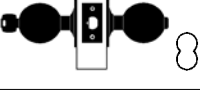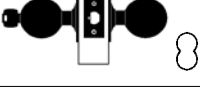
Trim finishes chart

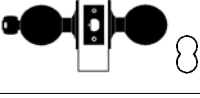| Description	ANSI No.	Available on
Bright brass	605	All trim
Satin brass	606	All trim
Satin bronze	612	All trim
Oil rubbed bronze	613	All trim
Bright chrome	625	All trim
Satin chrome	626	All trim
Satin stainless steel	630	Troy knobs only

Functions

To order Falcon T Series locksets, please consult page 53 for ordering information and assistance.

⑧ Indicates interchangeable core available.

| Catalog number	Function	Name	Description	ANSI No. & Grade
X101		Passage/closet set	Latch bolt by knobs at all times.	F75
X301		Privacy lock	Latch bolt by knobs. Outside knob locked by push button in inside knob. Rotating inside knob or closing door releases push button. Emergency release in outside knob. Emergency Release Tool 001423-001-30.	F76
X411		Asylum lock	Deadlocking latch bolt by key from either side. Both knobs rigid.	F87
X501		Entry lock	Push button locking. Button on inside locks outside knob until unlocked by key or by rotating inside knob.	F82
X511		Entry/office lock	Turn/push button locking. Pushing and turning button locks outside knob requiring use of key until button is manually unlocked. Push button locking. Pushing button locks outside knob until 1unlocked by key or by turning inside knob.	F109
X521		Office lock	Turn button locking. Turning button locks outside knob requiring use of key until button is manually unlocked. Inside knob always free.	F81
X561		Classroom lock	Deadlocking latch bolt by knobs. Outside knob is locked by key in outside knob. Inside knob is always free.	F84
X571		Dormitory lock	Deadlocking latch bolt by knobs except when locked by push button in inside knob. Key in outside knob locks or unlocks outside knob and releases button. Closing door releases push button. Inside knob always free.	F90
X581		Storeroom lock	Deadlocking latch bolt by inside knob or key outside. Outside knob rigid.	F86
X12		Single dummy	Single trim–surface mounted.	

Lock type and comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

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B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart

Cylinders, cores and guards

Cylinders

Falcon standard cylinders

| Catalog number 5-pin cylinder	6-pin cylinder	7-pin cylinder	Knob design	Function
A23151-00	A23161-00	N/A	E, T	561
A23152-00	A23162-00	N/A	E, T	411/501/511/521/581
A23151-02	A23161-02	N/A	E, T	571
A23151-02	A23161-02	A23171-01	H	561
A23152-02	A23162-02	A23172-02	H	411/501/511/521/581
A23151-03	A23161-03	A23171-02	H	571

Note: Specify finish: 606 or 626. Specify keyway: "E", "G" (standard), "H", "K", "L", "N" or "P".
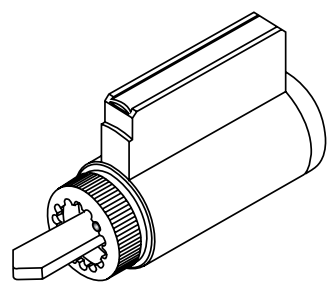
X381 outside
411, 501
511, 521,581
Hana

Falcon interchangeable cores

Catalog number	Description
C606	For use in all X Series I/C keyed locks-6-pin (cover style)
C607	For use in all X Series I/C keyed locks-7-pin (cover style)
CB806	For use in all X Series I/C keyed locks-6-pin (cap style)
CB807	For use in all X Series I/C keyed locks-7-pin (cap style)
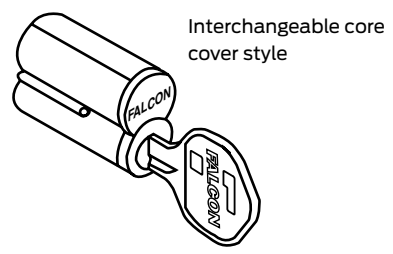
Interchangeable core cover style
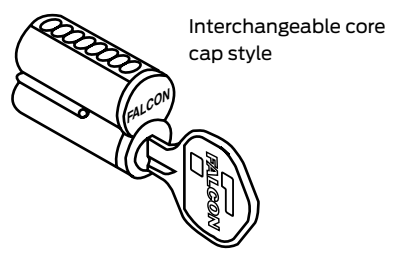
Interchangeable core cap style

Note: Construction keying available. Reference page 101 for more information.

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart

Cylinders, cores and guards

Competitor keyways

Standard cylinders with competitor keyways — 6-pin

Functions: 411, 501, 511, 521 and 581

Catalog no.	Description	Knob design
A23174-005	Corbin/Russwin L4 'O' bitted	E,T
A23167-005	Corbin 60 'O' bitted	E,T
A23167-5KD	Corbin 60 'KD' keyed different	E,T
A23168-005	Russwin D1 'O' bitted	E,T
A23168-5KD	Russwin D1 'KD' keyed different	E,T
A23166-005	Sargent LA 'O' bitted	E,T
A23166-5KD	Sargent LA 'KD' keyed different	E,T
A23160-005	Schlage C 'O' bitted	E,T
A23160-5KA	Schlage C 'KA' keyed alike 4	E,T
A23160-5KD	Schlage C 'KD' keyed different	E,T
A23159-005	Schlage E 'O' bitted	E,T
A23169-005	Yale 8 (PARA) 'O' bitted	E,T
A23169-5KD	Yale 8 (PARA) 'KD' keyed different	E,T
A23174-006	Corbin/Russwin L4 'O' bitted	H
A23167-006	Corbin 60 'O' bitted	H
A23167-6KD	Corbin 60 'KD' keyed different	H
A23168-006	Russwin D1 'O' bitted	H
A23168-6KD	Russwin D1 'KD' keyed different	H
A23166-006	Sargent LA 'O' bitted	H
A23166-6KD	Sargent LA 'KD' keyed different	H
A23160-006	Schlage C 'O' bitted	H
A23160-6KA	Schlage C 'KA' keyed alike 4	H
A23160-6KD	Schlage C 'KD' keyed different	H
A23159-006	Schlage E 'O' bitted	H
A23169-006	Yale 8 (PARA) 'O' bitted	H
A23169-6KD	Yale 8 (PARA) 'KD' keyed different	H

Note: Specify finish: 606 or 626.

Functions: 561

Catalog no.	Description	Knob design
A23174-001	Corbin/Russwin L4 'O' bitted	E,T
A23167-001	Corbin 60 'O' bitted	E,T
A23167-1KD	Corbin 60 'KD' keyed different	E,T
A23168-001	Russwin D1 'O' bitted	E,T
A23168-1KD	Russwin D1 'KD' keyed different	E,T
A23166-001	Sargent LA 'O' bitted	E,T
A23166-1KD	Sargent LA 'KD' keyed different	E,T
A23160-001	Schlage C 'O' bitted	E,T
A23160-1KA	Schlage C 'KA' keyed alike 4	E,T
A23160-1KD	Schlage C 'KD' keyed different	E,T
A23159-001	Schlage E 'O' bitted	E,T
A23169-001	Yale 8 (PARA) 'O' bitted	E,T
A23169-1KD	Yale 8 (PARA) 'KD' keyed different	E,T

Note: Specify finish: 606 or 626.

Functions: 561 Hana and X571 Troy & Elite

Catalog no.	Description	Knob design
A23174-003	Corbin/Russwin L4 'O' bitted	E,T, H
A23167-003	Corbin 60 'O' bitted	E,T, H
A23167-3KD	Corbin 60 'KD' keyed different	E,T, H
A23168-003	Russwin D1 'O' bitted	E,T, H
A23168-3KD	Russwin D1 'KD' keyed different	E,T, H
A23166-003	Sargent LA 'O' bitted	E,T, H
A23166-3KD	Sargent LA 'KD' keyed different	E,T, H
A23160-003	Schlage C 'O' bitted	E,T, H
A23160-3KA	Schlage C 'KA' keyed alike 4	E,T, H
A23160-3KD	Schlage C 'KD' keyed different	E,T, H
A23159-003	Schlage E 'O' bitted	E,T, H
A23169-003	Yale 8 (PARA) 'O' bitted	E,T, H
A23169-3KD	Yale 8 (PARA) 'KD' keyed different	E,T, H

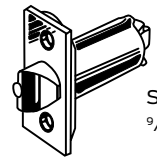Note: Specify finish: 606 or 626. Standard cylinders with competitor keyways - 7-Pin

Functions: 571

Catalog no.	Description	Knob design
A23167-004	Corbin 60 O-bitted	H
A23167-4KD	Corbin 60 KD	H
A23174-004	Corbin Russwin L4 O-bitted	H
A23168-004	Russwin D1 O-bitted	H
A23168-4KD	Russwin D1 KD	H
A23166-004	Sargent LA O-bitted	H
A23166-4KD	Sargent LA KD	H
A23160-004	Schlage C O-bitted	H
A23160-4KA	Schlage C KA4	H
A23160-4KD	Schlage C KD	H
A23159-004	Schlage E O-bitted	H
A23169-004	Yale 8 Para O-bitted	H
A23169-4KD	Yale 8 Para KD	H

Note: Specify finish: 606 or 626.

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart
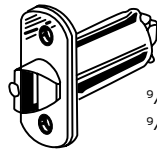
Options and accessories

Latches

Square corner $^9/_{16}$" projection
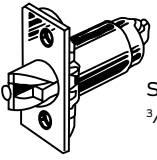
Square corner $^3/_4$" projection

$^9/_{16}$" Radius corner $^9/_{16}$" projection

3 Hour

Grade 1, UL listed

Catalog number	Description	Faceplate size	Corner	Projection
A98535-000	2 $^3/_4$" backset spring	2 $^1/_4$" x 1 $^1/_8$"	Square	$^9/_{16}$"
A98535-00D	2 $^3/_4$" backset deadlocking	2 $^1/_4$" x 1 $^1/_8$"	Square	$^9/_{16}$"
A98538-000	2 $^3/_4$" backset spring	2 $^1/_4$" x 1 $^1/_8$"	Radius $^9/_{16}$"	$^9/_{16}$"
A98538-00D	2 $^3/_4$" Backset deadlocking	2 $^1/_4$" x 1 $^1/_8$"	Radius $^9/_{16}$"	$^9/_{16}$"
A98835-0SD	2 $^3/_4$" Backset deadlocking	2 $^1/_4$" x 1 $^1/_8$"	Square	$^3/_4$"
A98838-0SD	2 $^3/_4$" Backset deadlocking	2 $^1/_4$" x 1 $^1/_8$"	Radius $^9/_{16}$"	$^3/_4$"

Note: Specify finish 606, 612, 613, 630

Latches for X Series locks are UL listed. 2 $^3/_4$" backset standard.

1 $^1/_8$" width latch face minimum. Unless otherwise specified, we furnish a 2 $^1/_4$" x 1 $^1/_8$" x square corner faceplate on 2 $^3/_4$" backset latches front standard.

Square corner $^1/_2$" projection

$^1/_4$" Radius corner $^1/_2$" projection

3 Hour

Grade 2, UL listed for flat or beveled doors

Catalog number	Description	Faceplate size	Corner	Projection
A92320-000	2 $^3/_8$" backset spring	2 $^1/_4$" x 1"	Square	$^1/_2$"
A92320-00D	2 $^3/_8$" backset deadlocking	2 $^1/_4$" x 1"	Square	$^1/_2$"
A92321-000	2 $^3/_8$" backset spring	2 $^1/_4$" x 1"	Radius	$^1/_2$"
A92321-00D	2 $^3/_8$" backset deadlocking	2 $^1/_4$" x 1"	Radius	$^1/_2$"
A92330-000	2 $^3/_4$" backset spring	2 $^1/_4$" x 1"	Square	$^1/_2$"
A92330-00D	2 $^3/_4$" backset deadlocking	2 $^1/_4$" x 1"	Square	$^1/_2$"
A92331-000	2 $^3/_4$" backset spring	2 $^1/_4$" x 1"	Radius	$^1/_2$"
A92331-00D	2 $^3/_4$" backset deadlocking	2 $^1/_4$" x 1"	Radius	$^1/_2$"

Note: Specify finish 606, 612, 613, 630

Latches for X Series locks are UL Listed.

These grade 2 latches have self-adjusting fronts to accommodate beveled or flat front doors. Unless otherwise specified, we furnish a 2 $^1/_4$" x 1" x square corner faceplate on these latches.
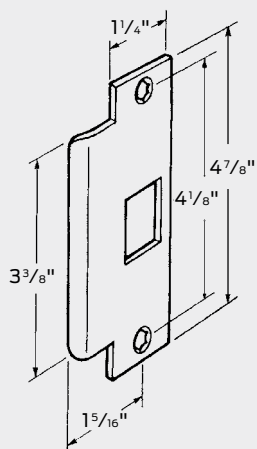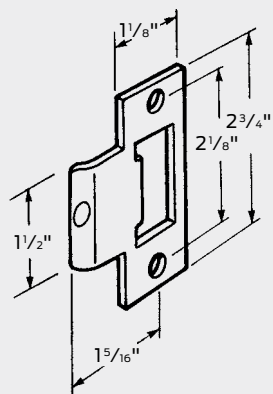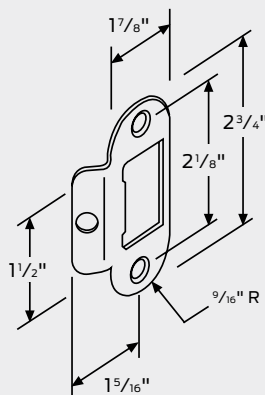
Strikes, backsets and dustboxes

Strikes

Furnished with a 4⁷/₈" ANSI strike unless otherwise specified.
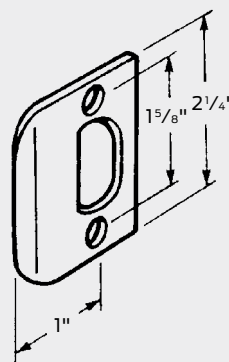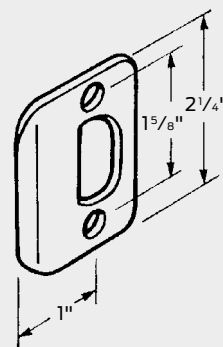

005164-000
ANSI prep A115.2

A05185-000
T-strike square
corner

A05133-004
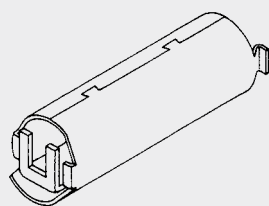Vermin proof
strike for ships

Q001-049
Full lip, square corner

Q001-048
Full lip, ¹/₄"
radius corner

Long backset extension link

A22161-005-00 Link for 5" backset for use with 2³/₄" backset latches (except ³/₄" projection).
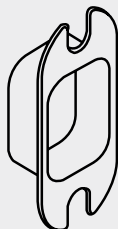

A22161-005-00

Dust boxes

005099-000-30
1" deep. May be used with
any 4⁷/₈" high (ANSI) strike.

012191-003-70
¹/₂" deep. May be used with
any 2³/₄" high (T) strike.

Lock type
comparison chart

Glossary and
finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900
Series

Construction keying
and product ID chart

Function and trim style cross-reference

X Series Grade 1 cylindrical key-in-lever lock

ANSI no.	Function	Falcon	Arrow	Best	Corbin/ Russwin	Marks	Sargent	Yale
F75	Passage	X101	H01	83KN	CK4210	80N	8U15	5401
F76	Privacy	X301	H02	83KL	CK4220	80L	8U65	5402
F87	Asylum	X411	H33	83KW	CK4232	80DW	8G17	5430
F82	Entry	X501	H13	83KAB	CK4261	—	8G24	5407
F109	Entry/office	X511	H11	83KAB	CK4251	80AB	8G24	5407
F81	Office	X521	H11	83KAB	CK4251	80A	8G05	5407
F84	Classroom	X561	H17	83KR	CK 4255	80S	8G37	5408
F90	Dormitory	X571	H19	83KT	CK4275	80T	8G54	5422
F86	Storeroom	X581	H12	83KD	CK4257	80F	8G04	5405
	Single dummy	X12	H08	83K1DT	CK4250	80DO	8U93	455

Trim styles

Falcon	Arrow	Best	Corbin/Russwin	Marks	Sargent	Yale
Hana/Gala (HG)	BD	4C	GRC	280	OB	CA
Troy/Gala (TG)	TA	—	—	180	EC	LF
Elite/Gala (EG)	DD	6C	BRC	—	EG	BR

All effort has been made to make this information comprehensive. Since no two products are exactly alike, this data represents those products which are similar. This information was obtained from trade services and is not guaranteed nor meant to represent any product as equal to any other product.

Ordering instructions and example

How to order

For correct ordering, and to ensure no delays in shipment of your order, the following descriptive data must be listed in the sequence shown. Necessary information can be found in other parts of this catalog. The example below shows an order for 20 each X locksets in the 301 Privacy function, EG (Elite-Gala) trim design in a 626 (satin chrome) finish, with 2 $^3/_4$" backset latch, to accommodate doors 1 $^3/_4$" thick.

- **Quantity:** Indicate the quantity required.

- **Catalog number:** Select function number, cylinder type, and latch style from tables in this section.

- **Trim design:** Indicate letter of knob/rose design. EG = Elite/Gala; HY = Hana/York. Outside design always proceeds inside design on split designs**.**

- **Finish:** When the finish is the same for the outside and inside trim, it is shown once (626). Outside finish always precedes inside finish on split finishes (605 x 625).

- **Latches:** 2 $^3/_4$" backset is standard. 2 $^3/_8$" backset available. All latches are UL listed 3-hour A label.

- **Strikes:** 4 $^7/_8$" x 1 $^1/_4$" ANSI standard. Optional T-strike or full lip strike available. See page 51.

- **Cylinder type:** 6-pin standard. For 7 pin add PD7 to product catalog numbers (eg. X511PD7 HAN). 7 pin conventional cylinders are available in Hana knob style only.

- **Door hand:** Locks are field reversible. Please specify handing on all keyed locks so that cylinders can be assembled in the upright position.

- **Keying detail:** We suggest using the standard terms developed by DHI (Door and Hardware Institute).
  - Example: AA1 - Grand Master keyed, Master keyed, change key 1.

- **Interchangeable core:** To order product capable of accepting an interchangeable core, add suffices from the keying table to the function number, preceding the latch style.
  - Example: X511HD will be supplied with SFIC keyed construction core.

- **Keyways:** "G" is standard on regular cylinders, "A" is standard on interchangeable cores. Other keyways available.

- **Additional keys:** Note the total number of keys required.

- **Large bow keys:** Add—"with large bow keys."

How to order example

Line item	Qty.	Product	Outside		Inside		Hand	Latch	Strike	Door thickness	Ext.	DIM	Additional details/keying
			Des	Fin	Des	Fin							
1	20	X301S	EG	626			LHR	98535	5185	1 $^3/_4$"			With 012191-003-70 dust box

Lock type comparison chart

Glossary and finish chart

MA Series

RU Series

T Series

X Series

K Series

B Series

W Series

H2 Series

D Series

K900 Series

Construction keying and product ID chart