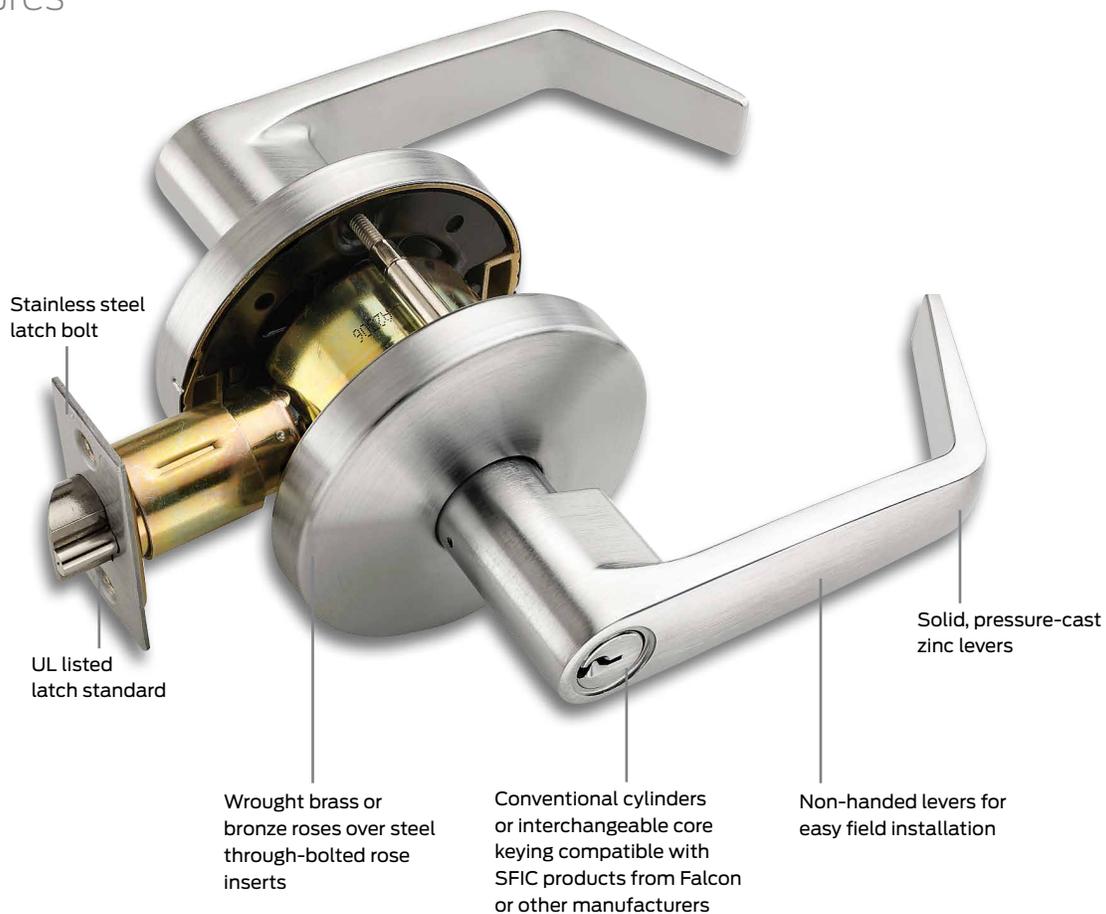


# W Series

Grade 2, medium-duty cylindrical lever and knob locks

Whether your application is government/military, retail, industrial or multi-family, there's a W Series lock that fits perfectly. In two popular lever and two popular knob styles Falcon can match most commercial door trim. The Falcon W Series locks feature conventional cylinders and small format interchangeable cores that are compatible with SFIC products from other manufacturers. Our conventional cylinders are available in all Falcon conventional key sections as well as Schlage C keyway, which we now masterkey across the complete Falcon product line. If quality product at a value price is what you are looking for, the Falcon W Series is the lock for you. And they're backed by one of the best names in the business, Allegion.

## Features



# Cylindrical lever and knob locks

## Features and specifications

### W Series standard rose

**Door thickness:** 1<sup>3</sup>/<sub>8</sub>" to 1<sup>3</sup>/<sub>4</sub>" standard.

**Backset:** 2<sup>3</sup>/<sub>4</sub>" standard; 2<sup>3</sup>/<sub>8</sub>" also available.

**Mechanism:** Parts constructed of brass or cold-formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel.

**Attachment:** Lock chassis secured to door by two screws which pass through a steel rose insert inside and thread directly into the outer rose-mounting assembly, and two screws that screw into the chassis assembly.

**Handing:** Locks are non-handed.

**Cylinder:** Pinning in six chambers. Cylinder assemblies removable to re-key. Also available with 6- or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass. Springs are stainless steel. Two nickel silver keys furnished standard.

**Competitor cylinder:** The W Series accepts standard 6-pin cylinders available from Falcon, as well as Schlage, Corbin-Russwin, Yale and Sargent.

**Keyways:** "G" keyway standard on Falcon standard cylinders. "A" keyway standard on I/C core cylinders. Also available with some optional keyways. Schlage "C" keyway also available on standard cylinders, includes master key. Master keying available on all Falcon and Schlage "C" keyways.

**Trim:** Roses are heavy wrought brass or bronze, installed over steel rose inserts which are through-bolted through door. Levers are pressure-cast zinc (solid levers-no-inserts) finished to match mating parts.

**Latches:** 1/2" bolt projection made of stainless steel and UL listed for 3-hour door assemblies. Latches have self-adjusting fronts to accommodate beveled or flat doors. 2<sup>3</sup>/<sub>8</sub>" backset with 1" x 2<sup>1</sup>/<sub>4</sub>" latch faces or 2<sup>3</sup>/<sub>4</sub>" backset with 1<sup>1</sup>/<sub>8</sub>" x 2<sup>1</sup>/<sub>4</sub>" latch faces.

**Strikes:** 4<sup>7</sup>/<sub>8</sub>" x 1<sup>1</sup>/<sub>4</sub>" ANSI strike with curved lip to meet ANSI A115.2 door frame preparation standard. Consult Options and Accessories section for other available strikes, sizes and configurations.

**Screws:** Furnished with combination screws for use in wood or metal doors and frames.

**ANSI/BHMA:** Meets ANSI/BHMA A156.2, Series 4000, Grade 2.

**UL:** 3-hour A label.

### W Series small rose

**Door thickness:** 1<sup>3</sup>/<sub>8</sub>" to 1<sup>3</sup>/<sub>4</sub>" standard.

**Backset:** 2<sup>3</sup>/<sub>8</sub>", 2<sup>3</sup>/<sub>4</sub>" standard.

**Mechanism:** Parts constructed of brass or cold-formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel.

**Attachment:** Lock chassis secured to door by two screws which pass through a steel rose insert inside and thread directly into the outer rose-mounting assembly, and two screws that screw into the chassis assembly.

**Handing:** Locks are non-handed.

**Cylinder:** Pinning in six chambers. Cylinder assemblies removable to re-key. Also available with 6- or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass. Springs are stainless steel. Two nickel silver keys furnished standard.

**Competitor cylinder:** The W Series accepts standard 6-pin cylinders available from Falcon, as well as Schlage, Corbin-Russwin, Yale and Sargent.

**Keyways:** "G" keyway standard on Falcon standard cylinders. "A" keyway standard on I/C core cylinders. Also available with some optional keyways. Schlage "C" keyway also available on standard cylinders, includes master key. Master keying available on all Falcon and Schlage "C" keyways.

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**Latches:** 1/2" bolt projection made of stainless steel and UL listed for 3-hour door assemblies. Latches have self-adjusting fronts to accommodate beveled or flat doors. 2<sup>3</sup>/<sub>4</sub>" backset with 1<sup>1</sup>/<sub>8</sub>" x 2<sup>1</sup>/<sub>4</sub>" latch faces.

**Strikes:** 4<sup>7</sup>/<sub>8</sub>" x 1<sup>1</sup>/<sub>4</sub>" ANSI strike with curved lip to meet ANSI A115.2 door frame preparation standard. Consult Options and Accessories section for other available strikes, sizes and configurations.

**Screws:** Furnished with combination screws for use in wood or metal doors and frames.

**ANSI/BHMA:** Meets ANSI/BHMA A156.2, Series 4000, Grade 2.

**UL:** 3-hour A label.

# Cylindrical lever and knob locks

## Features and specifications (continued)

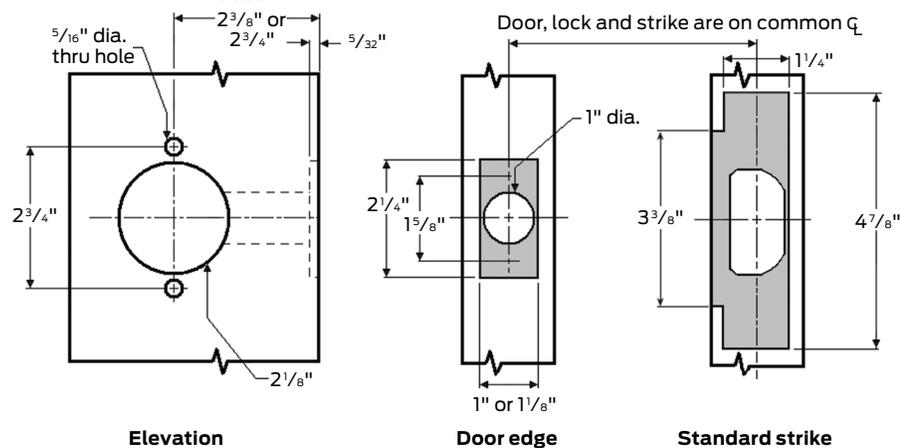
### W Series specifications

#### Key-in-lever cylindrical locksets shall be Falcon W Series or equal and meet the following requirements:

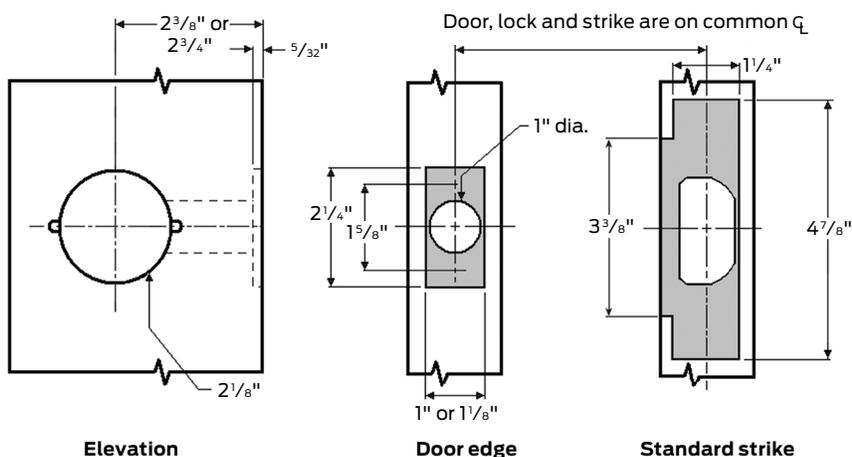
- All locks shall meet ANSI/BHMA A156.2, Series 4000, Grade 2 test requirements for key-in-lever locksets.
- Locksets shall be UL Listed 3-hour, A Label.
- Lever trim shall have individual heavy-duty springs for lever return and to prevent lever sag. Trim shall be through-bolted.
- All lever designs shall be solid (no inserts) and meet the federal ADA and state disability requirements.
- Locksets shall adjust to fit door thickness from  $1\frac{3}{8}$ " to  $1\frac{3}{4}$ ".
- All locksets shall be non-handed and not require field disassembly for re-handing.
- Preparation for door must be non-handed. Acceptable manufacturer: Falcon lock

### Door templating

#### W Series standard rose



#### W Series small rose



# Lever designs

## Levers

Levers are solid pressure cast zinc, finished to match mating parts. Roses are wrought brass or bronze installed over steel through-bolted rose inserts. A spring-loaded retainer secures levers. Secure side retainer cannot be depressed without a key that operates the lock.



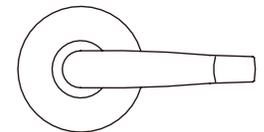
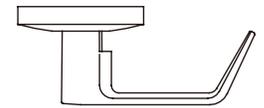
**W Series  
standard rose**  
Dane lever shown  
actual size



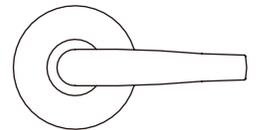
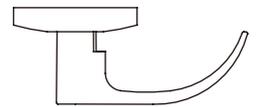
**W Series  
small rose**  
Dane lever shown  
actual size

### Standard rose

Dane

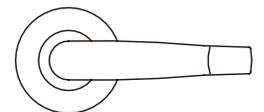
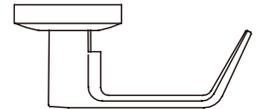


Quantum

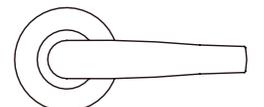


### Small rose

Dane



Quantum

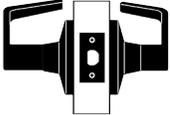
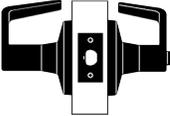
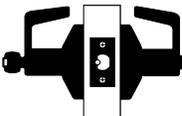
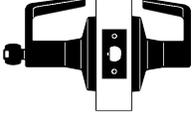
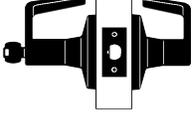


## Abrasive lever options

All levers are available with an abrasive strip along the length of the lever to identify entrances to areas hazardous to the disabled. To order add 6 (for example, 6DA for Dane lever or 6QU for Quantum lever) to the order number.

# Functions

## Levers

Catalog number	Description	ANSI number/grade
*W101	 <p>Passage latchset—Latch bolt by levers at all times.</p>	F75
*W161	 <p>Communicating/exit latch—Deadlocking latch bolt by inside lever. Non-removable blank plate outside. Inside lever is always free.</p>	
W201	 <p>Patio lock—Deadlocking latch bolt by levers. Outside lever is locked by push button from inside. Rotating inside lever or closing door releases button and unlocks outside lever.</p>	F77
*W301	 <p>Privacy lock—Latch bolt by levers. Outside lever is locked by push button on inside lever. Rotating inside lever or closing door releases push button and frees outside lever. Inside lever is always free. Emergency release in outside lever unlocks door.</p>	F76
W501	 <p>Entry lock—Push button locking. Button on inside locks outside lever until unlocked by key or by rotating inside lever. Closing door release push button and unlocks door. Inside lever always free. Deadlock latchbolt.</p>	F82
*W511	 <p>Entry/office lock—Deadlocking latch bolt by levers. Turn/push button locking. Pushing and turning button locks outside lever, requiring use of a key for unlocking the door until button is manually unlocked. Pushing button locks outside lever until unlocked by key or by rotating inside lever. Inside lever is always free.</p>	F109
*W561	 <p>Classroom lock—Deadlocking latch bolt by levers. Outside lever is locked by key in outside lever. Inside lever is always free.</p>	F84
*W581	 <p>Storeroom lock—Deadlocking latch bolt by lever inside or key outside. Outside lever is always locked. Inside lever is always free.</p>	F86
W711	 <p>Apartment entrance lock—Deadlocking latch bolt by levers. Turn/push button locking. Pushing and turning button locks outside lever, requiring use of a key for unlocking the door until button is manually unlocked. Pushing button locks outside lever until unlocked by key, by rotating inside lever, or by closing the door. Inside lever is always free.</p>	
*W12	 <p>Single dummy trim—Single trim, surface-mounted rigid lever.</p>	

\*Available as small rose

# Knob designs

Knobs are constructed of brass or cold-formed steel and are zinc-plated and dichromated for rust resistance. Springs are stainless steel. Roses are heavy-wrought brass or bronze, installed over wrought steel reinforcing plates. Knobs are brass or bronze, secured by a steel knob retainer, which cannot be depressed when lock has been locked.



**Cointurn**  
Elite shown



**Cylinder**  
Elite shown



**Interchangeable core**  
Elite shown



**Plain**  
Hana shown

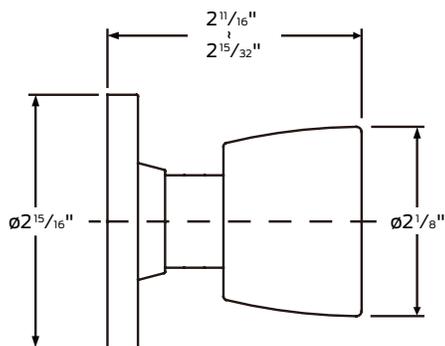


**Pushbutton (interior)**  
Hana shown

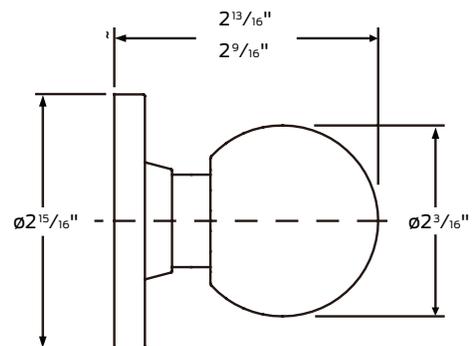


**Thumbturn (interior)**  
Hana shown

**Elite**

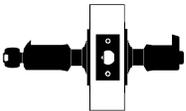
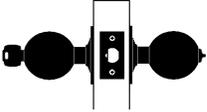
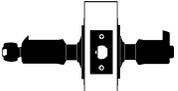
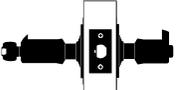
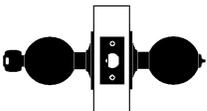


**Hana**



# Functions

## Knobs

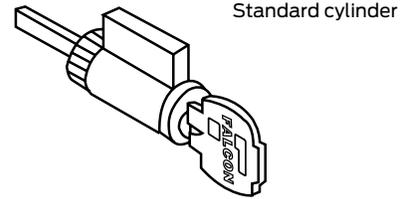
Catalog number	Description	ANSI number/grade
W101	 <p>Passage latchset—Latch bolt by knob at all times.</p>	F75
W301	 <p>Privacy lock—Latch bolt by knobs. Outside knob is locked by push button on inside knob. Rotating inside knob or closing door releases push button and frees outside knob. Inside knob is always free. Emergency release in outside knob unlocks door.</p>	F76
W501	 <p>Entry lock—Push button locking. Button on inside locks outside knob until unlocked by key or by rotating inside knob.</p>	F82
W511	 <p>Entry/office lock—Deadlocking latch bolt by knobs. Turn/push button locking. Pushing and turning button locks outside knob, requiring use of a key for unlocking the door until the button is manually unlocked. Pushing button locks outside knob until unlocked by key or by rotating inside knob. Inside knob is always free.</p>	F109
W561	 <p>Classroom lock—Deadlocking latch bolt by knobs. Outside knob is locked by key in outside knob. Inside knob is always free.</p>	F84
W581	 <p>Storeroom lock—Deadlocking latch bolt by knobs. Outside knob is always locked. Inside knob is always free.</p>	F86
W711	 <p>Apartment entrance lock—Deadlocking latch bolt by knobs. Turn/push button locking. Pushing and turning button locks outside knob, requiring use of a key for unlocking the door until the button is manually unlocked. Pushing button locks outside knob until unlocked by key, by rotating inside knob, or by closing the door. Inside knob is always free.</p>	
W12	 <p>Single dummy trim—Single trim, surface-mounted rigid knob.</p>	

# Cylinders

## Falcon standard cylinders - 6-pin

Catalog number	Description
Q330-154	Falcon (specify keyway)
Q330-155	Falcon (for W561)

Note: Specify finish: 606 or 626  
Specify keyway: G (standard), H, K, L, N, P

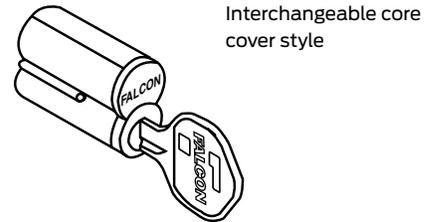


Standard cylinder

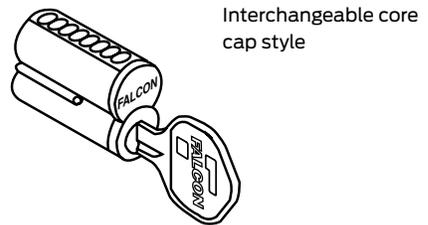
## Falcon interchangeable core

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

Note: Specify finish: 606 or 626  
Specify keyway: A (standard) or other keyway



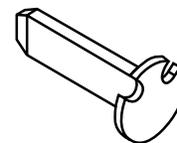
Interchangeable core cover style



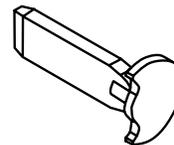
Interchangeable core cap style

## Standard cylinders with other keyways - 6-pin

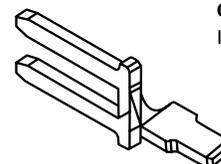
Catalog number	Description
Q330-152	Schlage C
Q330-153	Schlage C for W561
Q330-166	Corbin 60 (0 bit or KD only)
Q330-167	Corbin 60 (0 or KD only) for W561
Q330-210	Russwin D1 (0 bit or KD only)
Q330-211	Russwin D1 (0 bit or KD only) for W561
Q330-158	Cor/Russ L4 (0 bit or KD only)
Q330-159	Cor/Russ L4 (0 bit or KD only) for W561
Q330-160	Sargent LA (0 bit or KD only)
Q330-161	Sargent LA (0 bit or KD only) for W561
Q330-164	Tailpiece for Q330-154 Falcon and Schlage cylinders (All other functions)
Q330-165	Tailpiece for Q330-155 Falcon and Schlage cylinders (W 561 function only)
Q330-168	Tailpiece for SFIC (All functions)
Q330-156	Yale 8 (0 bit or KD only)
Q330-169	Tailpiece for W Lock knobs – SFIC



**Q330-164**  
Conventional cylinder tailpiece



**Q330-165**  
Conventional cylinder tailpiece W561



**Q330-168**  
IC core tailpiece

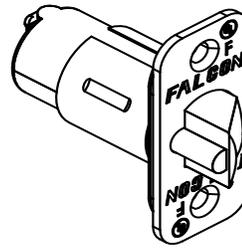
# Options and accessories

## Latches and strikes

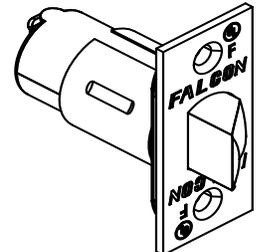
### Latches

#### 1/2" Projection, UL listed, stainless steel bolt

- Latches for W Series locks are 3-hour UL listed.
- 2 3/4" backset standard.
- 2 3/8" backset optional.
- Unless otherwise specified we furnish a 1" x 2 1/4" square corner faceplate on 2 3/8" backset latches, and a 1 1/8" x 2 1/4" square corner faceplate on 2 3/4" backset latches.



1/4" Radius corner  
1/2" Projection

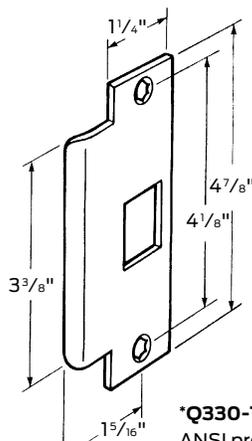


Square corner  
1/2" Projection

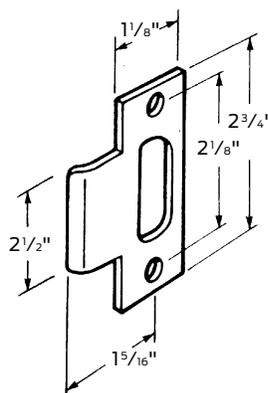
Catalog number	Description (functions)	Faceplate size	Corner
Q330-192	2 3/4" backset dead locking (201, 711, 501)	1" x 2 1/4"	Square
Q330-193	2 3/4" backset dead locking (201, 711, 501)	1" x 2 1/4"	Radius
Q330-194	2 3/4" backset dead locking (201, 711, 501)	1 1/8" x 2 1/4"	Square
Q330-195	2 3/4" backset dead locking	1" x 2 1/4"	Square
Q330-196	2 3/4" backset dead locking	1" x 2 1/4"	Radius
*Q330-197	2 3/4" backset dead locking	1 1/8" x 2 1/4"	Square
Q330-198	2 3/8" backset dead locking (201, 711, 501)	1" x 2 1/4"	Square
Q330-199	2 3/8" backset dead locking (201, 711, 501)	1" x 2 1/4"	Radius
*Q330-200	2 3/8" backset dead locking (201, 711, 501)	1 1/8" x 2 1/4"	Square
Q330-201	2 3/8" backset dead locking	1" x 2 1/4"	Square
Q330-202	2 3/8" backset dead locking	1" x 2 1/4"	Radius
*Q330-203	2 3/8" backset dead locking	1 1/8" x 2 1/4"	Square
Q330-204	2 3/4" backset spring latch	1" x 2 1/4"	Square
Q330-205	2 3/4" backset spring latch	1" x 2 1/4"	Radius
*Q330-206	2 3/4" backset spring latch	1 1/8" x 2 1/4"	Square
Q330-207	2 3/8" backset spring latch	1" x 2 1/4"	Square
Q330-208	2 3/8" backset spring latch	1" x 2 1/4"	Radius
*Q330-209	2 3/8" backset spring latch	1 1/8" x 2 1/4"	Square

\*Available as small rose

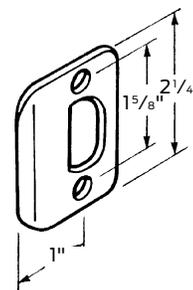
### Strikes



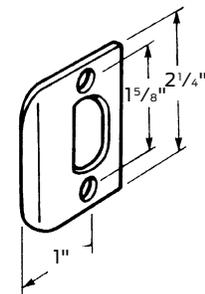
\*Q330-148  
ANSI prep  
A115.2



\*Q330-149  
T-strike  
square corner



Q330-150  
Full lip, 1/4"  
radius corner



Q330-151  
Full lip,  
square corner

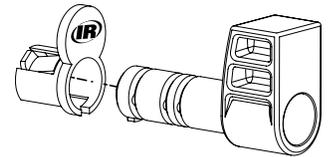
\*Available as small rose

# Construction keying

Falcon offers two different construction key systems depending on the size of and application within the project. Both systems permit the installation and use of regular door locks during construction, yet completely preserve the security of the keying system for the ultimate building owner. The Master, Grand Master and change keys are never with the locks during the construction phase of a building. Only the “construction” keys are sent to the job site. Where the job permits, we will utilize the “Lost pin system” as our standard system for construction keying. Larger or more complicated jobs may require the use of our “Blockokey® System” for construction keying.

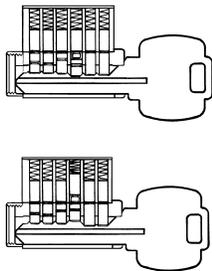
## “Disposable construction” interchangeable cores

This newly designed disposable construction core (1408) is an inexpensive alternative to interior keyed construction cores. This core should be used on interior door applications or where security on a site is not a concern. No keys need to be issued. The disposable core is inserted in the lever or knob and is operated by a thumb turn, which retracts the latch bolt. Please use either brass or permanent construction cores on exterior doors or secured areas.



## Locks with “Lost pin system”

Our “lost” pin construction key system consists of one construction pin and a shallow hole in the side of the plug.

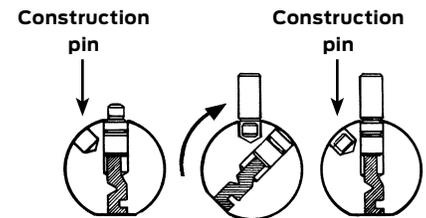


### Construction key—KB566

When the “construction” key is used, the construction pin is always in the cylinder plug, sitting on top of the bottom pin.

### Master key—KB578

When the Master key is inserted, the construction pin is pushed up into the cylinder housing. As the Master key is rotated to the right, the construction pin will drop into the hole in the plug, thereby eliminating any future use of the construction key.



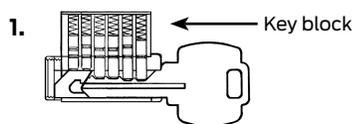
## Locks with Blockokey® cylinders

All lock cylinders on a specific project are operable by a special “project key.” Duplicates of this key may be assigned by the building contractor to workmen and subcontractors as required. No regular change keys or Master keys are needed on the job. This eliminates the possibility of subsequent exposure from lost or stolen keys.

### How to order locks with Blockokey® cylinders

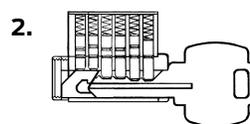
Blockokey® locksets are ordered by adding the word “Blockokey” after the balance of the ordering information.

Example: 72 W511PD DAN 626 RH 30-209 30-149 1AA-72AA (Blockokey)



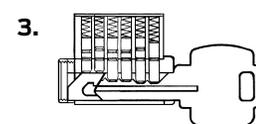
### Project key—KB531

Operation of the lock cylinder is by the special “project key.” The last two pins in the cylinder are inoperative because of the “key block” mechanism.



### Removal tool – KB536

The “project key” no longer operates the cylinder when the “key block” mechanism is removed. A key block removal tool comes with the master keys for the locks. Push the removal tool into the keyway and then withdraw it to remove the block. Thereafter the project key will no longer operate the lock cylinder.



### Change or master key—KB578

Cylinder is now only operable by the regular change key or Master key.

# Conversion chart

## W Series grade 2 cylindrical key-in-lever

ANSI number/grade	Function	Falcon	Arrow	Cal-Royal	Corbin/Russwin	Dorma	Hager	Marks	Best
C75	Passage	W101	RL01	SL-30	CL3810	CL710	3510	N	7KN
	Comm/exit	W161	RL03	SL-50	—	CL725	3525	DC	—
F77	Patio	W201	FL04	—	CL3840	CL730	—	P	—
F76	Privacy	W301	FL02	SL-20	CL3820	CL740	3540	L	7KL
F109	Entry/office	W511	RL11	—	CL3851	CL753	3553	AB	7KAB
F84	Classroom	W561	RL17	SL-03	CL3855	CL770	3570	S	7KR
F86	Storeroom	W581	RL12	SL-05	CL3851	CL780	3580	F	7KD
	Apt. Entry	W711	—	—	—	—	—	—	—
	Dummy single	W12	RL08	SL-40	CL3850	CL701	3517	DO	7KIOT
F82	Entry	W501	—	SL-00	CL3861	CL750	—	B	—

## Trim styles

Falcon	Arrow	Cal-Royal	Corbin/Russwin	Dorma	Hager	Marks	S. Parker
Dane	SR	SL	NZD	LR	Withnell	170	SL
Quantum	BRR	RL	PZD	LC	Archer	270	—

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.

# 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 to the right shows an order for 12 each W locksets in the 581 storeroom function, QUA (Quantum) trim design in a 626 (satin chrome) finish, with a 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 lever design. DAN = Dane; QUA = Quantum; ELI = Elite; HAN = Hana. If Falcon W Series small rose is required, specify SR = Small Rose. Outside design always precedes inside design on split designs. If adding an abrasive lever option, add 6 to design code (example 6DAN).
- **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. For other options, see page 12.
- **Cylinder type:** 6-pin.
- **Keying detail:** We suggest using the standard terms developed by DHI (Door and Hardware Institute) or ALOA (Associated Locksmiths of America).
  - 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: W511HD will be supplied with SFIC keyed construction core.
- **Keyways:** "G" is standard on regular cylinders. "A" is standard on interchangeable cores. Other keyways available. See page 9.
- **Additional keys:** Note the total number of keys required.
- **Large bow keys:** Add—"with large bow keys" under additional details.

## 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	12	W581D	QUA	626			RHR	30-197	30-149	1 3/4"			

## Finishes

The latest in modern techniques and equipment are used to apply the highest quality finish. Extra steps assure durable, consistent finishes and long useful life.

Although we apply the finest available protective plating and/or enamel coating to the surface of our products, these finishes have limitations and in time may deteriorate either from exposure to weather, pollution, perspiration, extremes

of climate, frequency of use or other factors. Deterioration of these finishes is, therefore, not a defect, but a normal process which is unavoidable. Our company cannot accept responsibility for finish deterioration in these circumstances, and therefore the finishes cannot be guaranteed. These products will not be refinished or replaced under our warranty should deterioration of finishes occur.

### Trim finishes chart

Description	ANSI No.	Available on
Bright brass	605	All trim
Satin brass	606	All trim
Oil rubbed bronze	613	All trim
Bright chrome	625	All trim
Satin chrome	626	All trim

Note: Not available on W Series small rose levers.