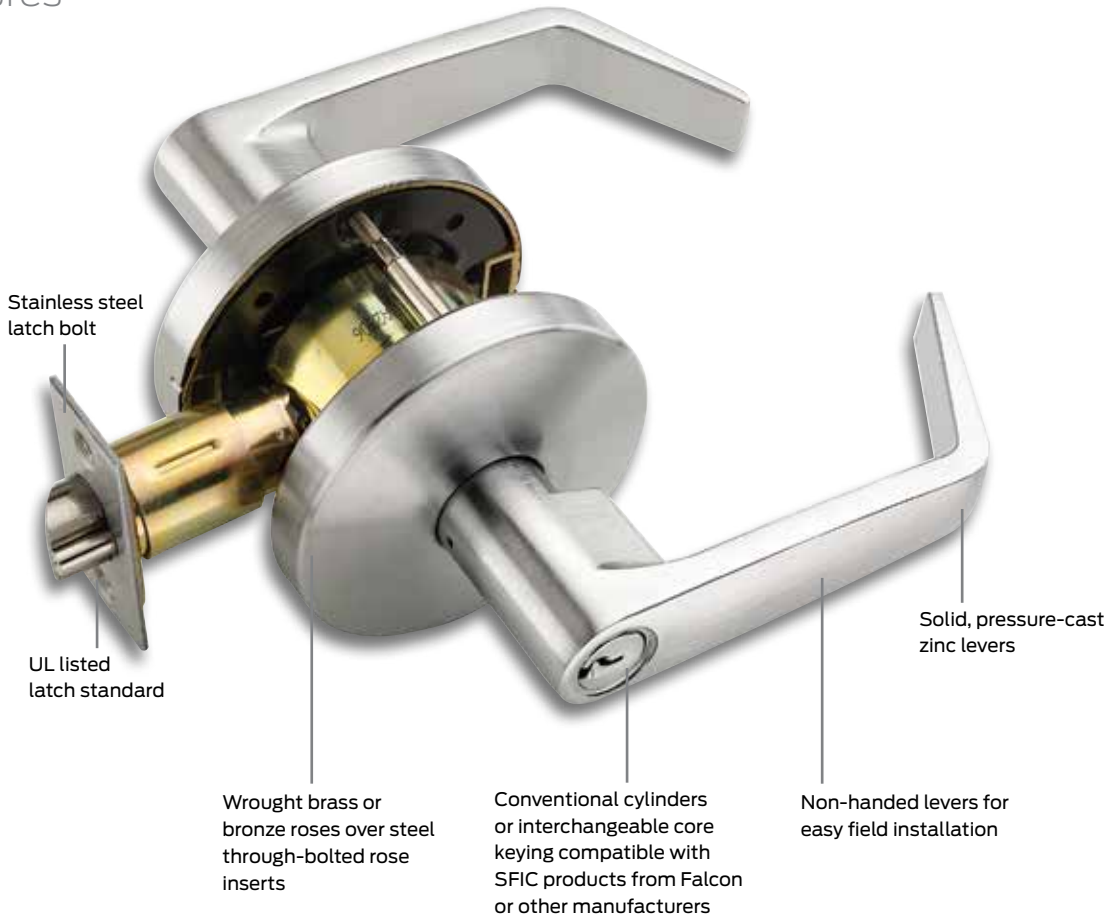


W Series

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. With two popular lever and knob styles as well as two popular rose diameters (large and small), Falcon W Series 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. The Falcon W Series offers quality product at a value price, and is backed by one of the best names in the business - Allegion.

Features



W Series

Features - standard rose

- Door thickness:** 1³/₈" to 1³/₄" standard.
- Backset:** 2³/₄" standard; 2³/₈" 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. There are other options available for competitor cylinders including, 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. 2³/₈" backset with 1" x 2 1/4" latch faces or 2³/₄" backset with 1 1/8" x 2 1/4" latch faces.
- Strikes:** 4 7/8" x 1 1/4" 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.

Features - small rose

- Door thickness:** 1³/₈" to 1³/₄" standard.
- Backset:** 2³/₈", 2³/₄" 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.
- 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. 2³/₄" backset with 1 1/8" x 2 1/4" latch faces.
- Strikes:** 4 7/8" x 1 1/4" 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.

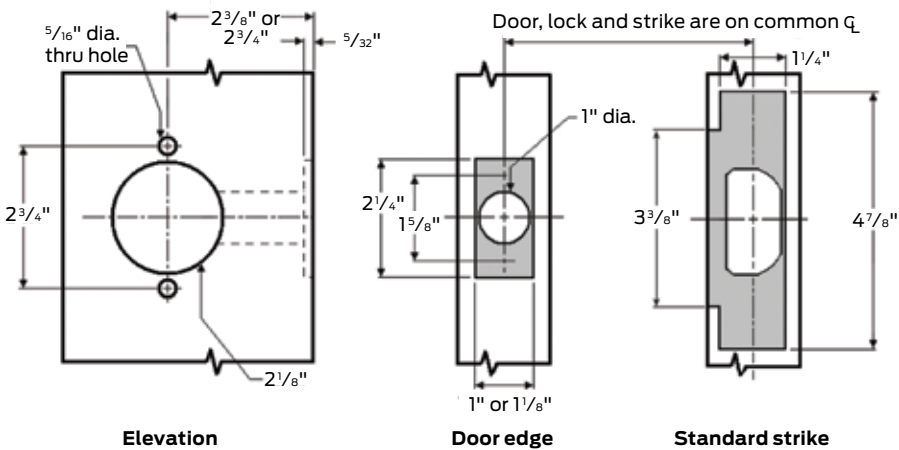
W Series

Specifications

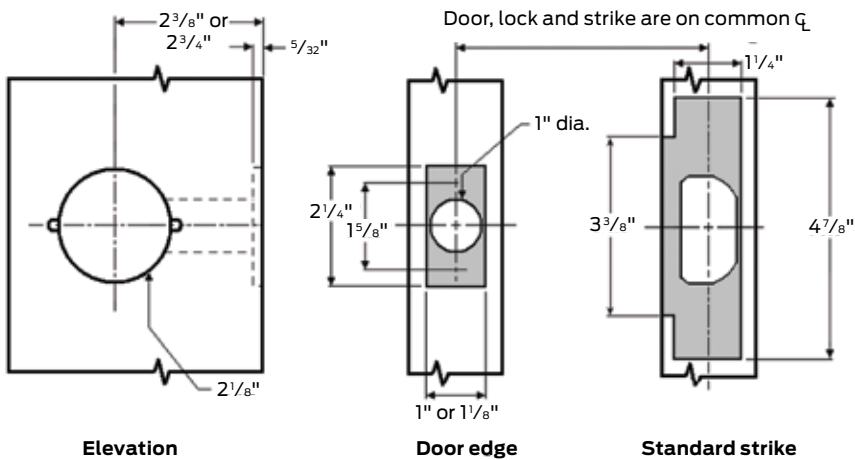
Key-in-lever cylindrical locksets shall be Falcon W Series or equal and meet the following requirements:

- 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 3⁄8" to 1 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

Standard rose template



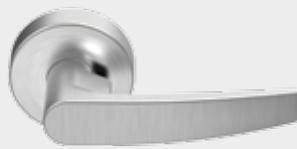
Small rose template



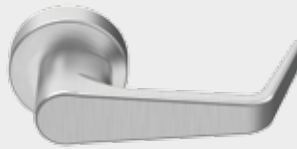
Levers styles

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.

Avalon (A)



Dane (D)



Quantum (Q)



Boardwalk (BRK)



Broadway (BRW)



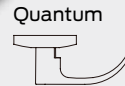
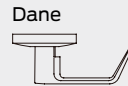
Latitude (LAT)



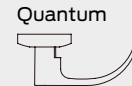
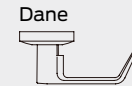
Longitude (LON)



Standard rose
Dane lever
shown



Small rose
Dane lever
shown



Abrasive lever options

Dane, and Quantum 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.

Trim finishes chart

Description	ANSI No.	Availability
Bright brass	605	All trim
Satin brass	606	Not on small rose
Oil rubbed bronze	613	All trim
Satin nickel	619	All trim
Matte black	622	All trim
Bright chrome	625	All trim
Satin chrome	626	All trim
Aged bronze	643e	All trim

Designs and styles

Knob styles

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



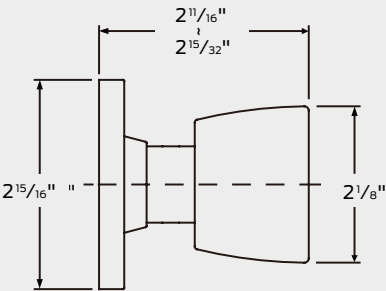
Pushbutton (interior)
Hana shown



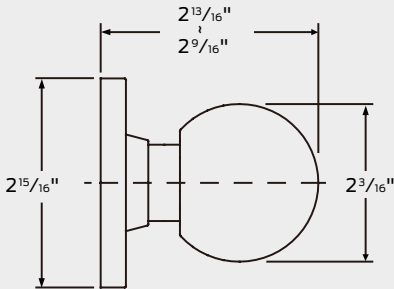
Thumbturn (interior)
Hana shown



Elite



Hana

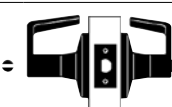
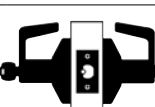
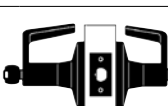
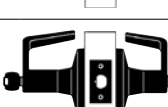
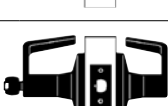
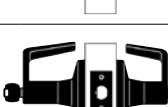
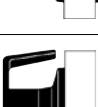


Trim finishes chart

Description	ANSI No.	Availability
Bright brass	605	All trim
Satin brass	606	Not on small rose
Oil rubbed bronze	613	All trim
Bright chrome	625	All trim
Satin chrome	626	All trim

Functions

Lever functions

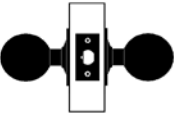
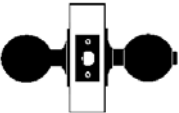
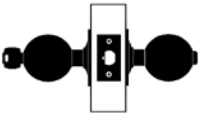
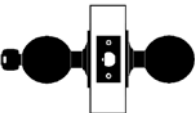
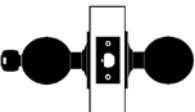
Catalog number	Function	Name	Description	ANSI no.
*W101		Passage/ closet set	Latch bolt by levers at all times.	F75
*W161		Communicating/ exit lock	Deadlocking latch bolt by inside lever. Non-removable blank plate outside. Inside lever is always free.	
W201		Patio lock	Deadlocking latch bolt by levers. Outside lever is locked by push button from inside. Rotating inside lever or closing door releases button and unlocks outside lever.	F77
*W301		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.	F76
W501		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.	F82
*W511		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.	F109
*W561		Classroom lock	Deadlocking latch bolt by levers. Outside lever is locked by key in outside lever. Inside lever is always free.	F84
*W571		Corridor lock	Deadlocking latch bolt. Push Button Locking. Button on the inside locks outside lever until unlocked by key or by rotating inside lever. Closing the door releases button. Inside lever always free. ¹	
*W581		Storeroom lock	Deadlocking latch bolt by lever inside or key outside. Outside lever is always locked. Inside lever is always free.	F86
W711		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.	
*W12		Single dummy	Single trim, surface-mounted rigid lever.	
*W18		Double dummy	Double trim, surface-mounted rigid levers.	

* Available as small rose

¹ This lock will unlock when the door is closed. If you want your door to remain locked when it closes, please purchase the 501 function.

Functions

Knob functions

Catalog number		Description	Description	ANSI no.
W101		Passage/closet set	Latch bolt by knob at all times.	F75
W301		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.	F76
W501		Entry lock	Push button locking. Button on inside locks outside knob until unlocked by key or by rotating inside knob.	F82
W511		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.	F109
W561		Classroom lock	Deadlocking latch bolt by knobs. Outside knob is locked by key in outside knob. Inside knob is always free.	F84
W571		Corridor lock	Deadlocking latch bolt. Push button locking. Button on the inside locks outside lever until unlocked by key or by rotating inside lever. Closing the door releases button. Inside lever always free. ¹	
W581		Storeroom lock	Deadlocking latch bolt by knobs. Outside knob is always locked. Inside knob is always free.	F86
W711		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.	
W12		Single dummy	Single trim, surface-mounted rigid knob.	

¹ This lock will unlock when the door is closed. If you want your door to remain locked when it closes, please purchase the 501 function.

Cylinders and competitor keyways

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

Falcon interchangeable core

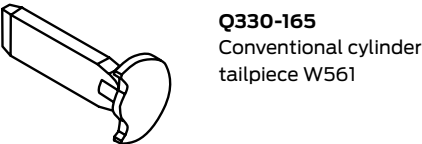
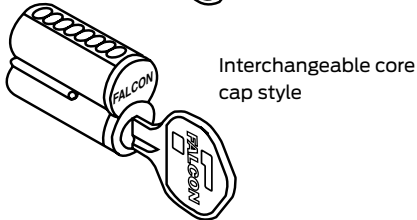
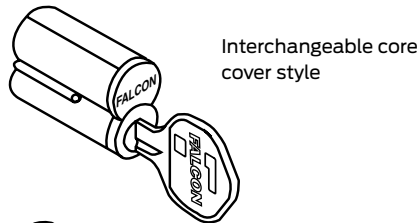
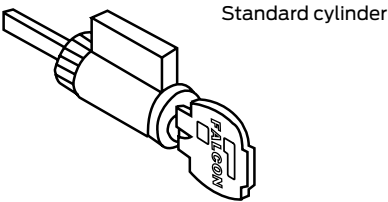
Catalog number	Description
C606 (6-pin), C607 (7-pin)	For use in all I/C keyed locks (cover style)
CB806 (6-pin), CB807 (7-pin)	For use in all I/C keyed locks (cap style)

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

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

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



Options and accessories

Latches and strikes

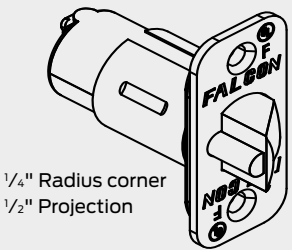
Latches

- 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

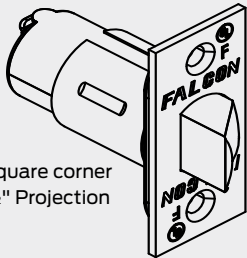
1/2" Projection, UL listed, stainless steel bolt

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

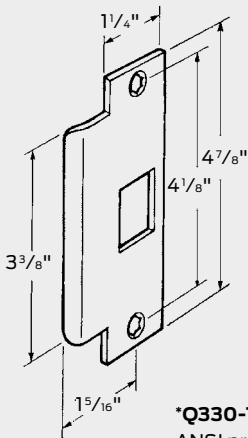


1/4" Radius corner
1/2" Projection

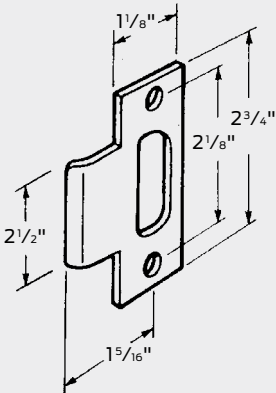


Square corner
1/2" Projection

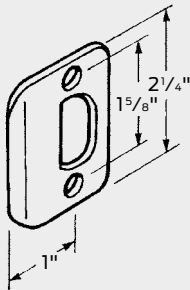
Strikes



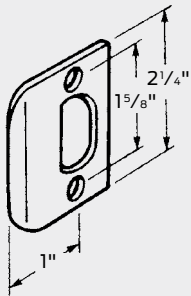
*Q330-148
ANSI prep
A115.2



*Q330-149
T-strike
square corner



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



Q330-151
Full lip,
square corner

*Available as small rose

Function and trim style cross-reference

W Series grade 2 cylindrical

ANSI number/grade	Function	Falcon	Arrow	Corbin/Russwin	Dorma	Hager	Yale
F75	Passage	W101	RL/RLX/MLX01	CL3810	CL710	2510	4601LN
F111	Comm/exit	W161	RL03	—	CL725	—	4628LN
F77	Patio	W201	—	CL3840	CL730	—	—
F76	Privacy	W301	RL/RLX/MLX72	CL3820	CL740	2540	4602LN
F109	Entry/office	W511	—	CL3851	CL753	2550	4607LN
F84	Classroom	W561	RL/RLX/MLX17	CL3855	CL770	2570	4607LN
F86	Storeroom	W581	RL/RLX/MLX12	CL3851	CL780	2580	4605LN
	Apartment entry	W711	—	—	—	—	—
	Single dummy	W12	RL/RLX/MLX08	CL3850	CL701	2517	4655LN
F82	Entry	W501	RL/RLX/MLX11	CL3861	CL750	2553	4604LN

Trim styles

Falcon	Arrow	Yale	Corbin/Russwin	Dorma	Hager
Dane	Sierra	Augusta	NZD	LR	Withnell
Quantum	Broadway	Pacific Beach	PZD	LC	Archer
Avalon	—	Monroe	—	LG	—
Boardwalk	—	—	—	—	—
Broadway	—	—	—	—	—
Latitude	—	—	—	—	—
Longitude	—	—	—	—	—
Hana	Ball	—	—	—	—
Elite	—	Carolina	—	—	—

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 proceeds 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 84.
- **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 79.
- **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"			