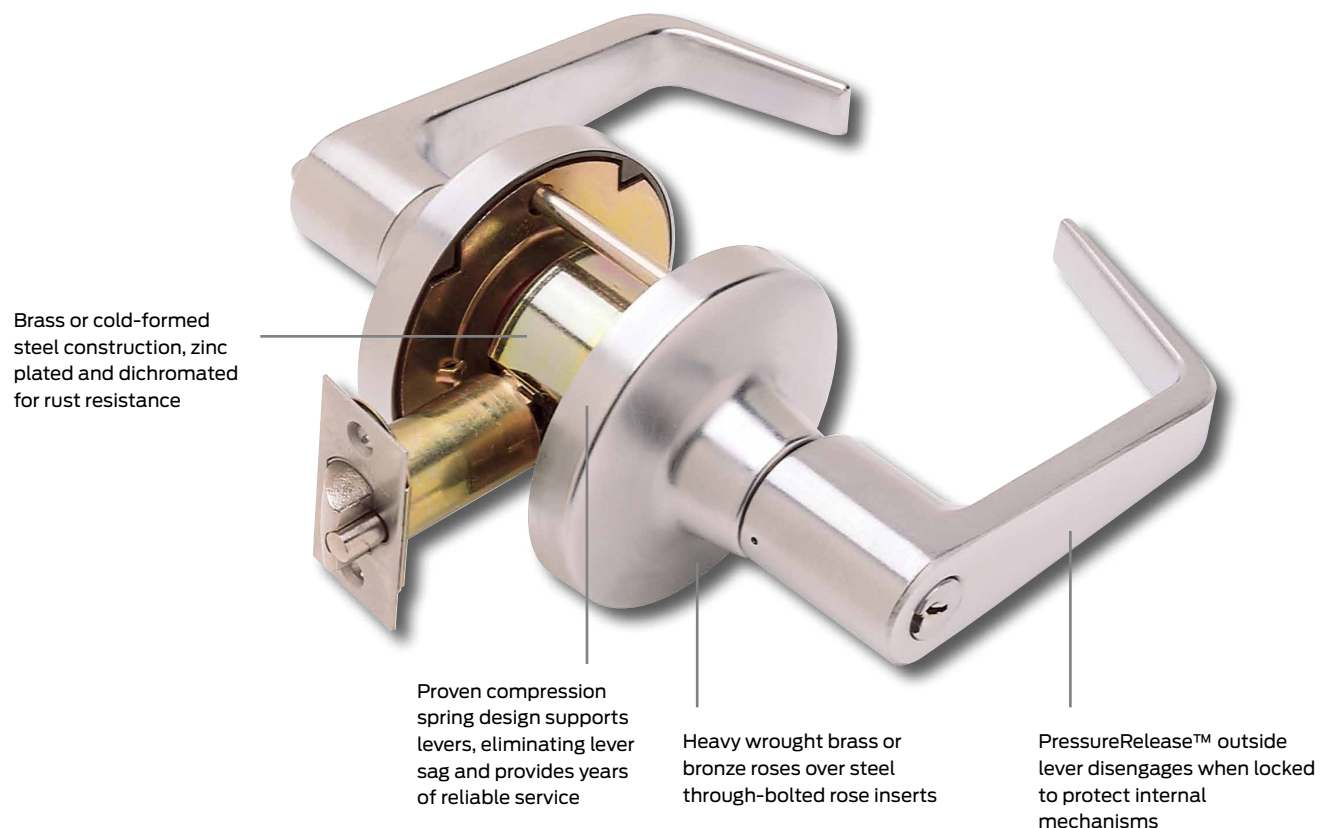


T Series

Grade 1, extra heavy-duty
cylindrical lever locks

Simply put, the Falcon T Series lock is the most versatile lockset in the industry. This extra heavy duty lock can accept any manufacturer's cylinder, and the cylinder can easily be removed for quick, easy re-keying. Redesigned with a compression spring behind the cylinder, the T Series is now stronger than ever and lever sag has been virtually eliminated. This adaptable lock is well suited to either new construction or retrofit use in buildings as varied as multi-family, retail, institutional and government/military.

Features



Cylindrical locks

Features

Door thickness: 1 3/4" to 2 1/8" standard. Thin door adapter kit (A30775-000-00) available for doors thinner than 1 3/4", please specify door thickness.

Backset: 2 3/4" standard. 2 3/8" also available. Link (A22161-005-10) available for 5" backset.

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 threaded mounting nuts. Completely preassembled outer trim and inner spindle assembly are through-bolted over chassis using (2) 10-32 screws. Adding rose and lever to inner spindle assembly completes installation.

Handing: Locks are non-handed.

Cylinders: Drilled with 6-pin chambers, pinned in 5. Pinning in 6 chambers available when specified, at no cost. 7-pin cylinders also available. Cylinder assemblies removable to rekey. Also available with 6 or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard. Interchangeable core design is available for small format (SFIC) and large format for most manufacturers, see page 8.

Keyways: "G" keyway standard on conventional cylinders. "A" keyway standard on I/C core cylinders. Also available with some optional keyways.

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

Latches: 9/16" bolt projection, UL listed with latch faceplates 2 1/4" x 1 1/8" with square corners standard. 3/4" projection, UL listed latch with 2 3/4" backset also available. Adjustable front standard. See page 10 for optional latches.

Strikes: 4 7/8" x 1 1/4" ANSI strike with curved lip to meet ANSI A115.2 door frame preparation standard. Consult page 11 for other available strike sizes and configurations.

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

Electrified functions: Available in 24 VDC .185 AMP.

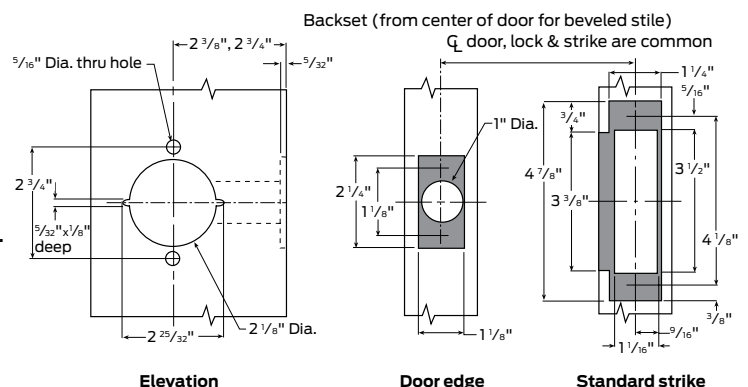
ANSI/BHMA: Meets ANSI/BHMA A156.2, Series 4000, Grade 1.

UL: 3 hour A label.

T Series specifications

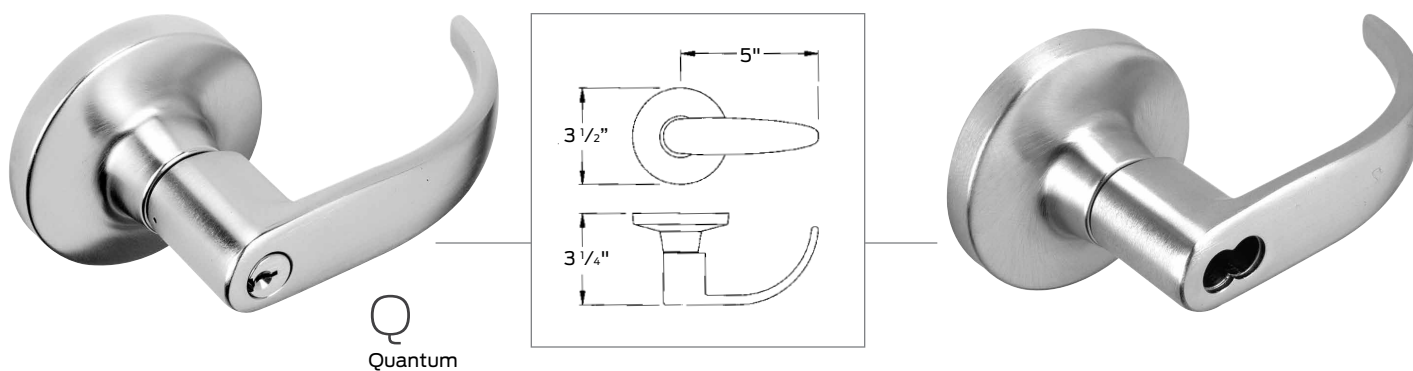
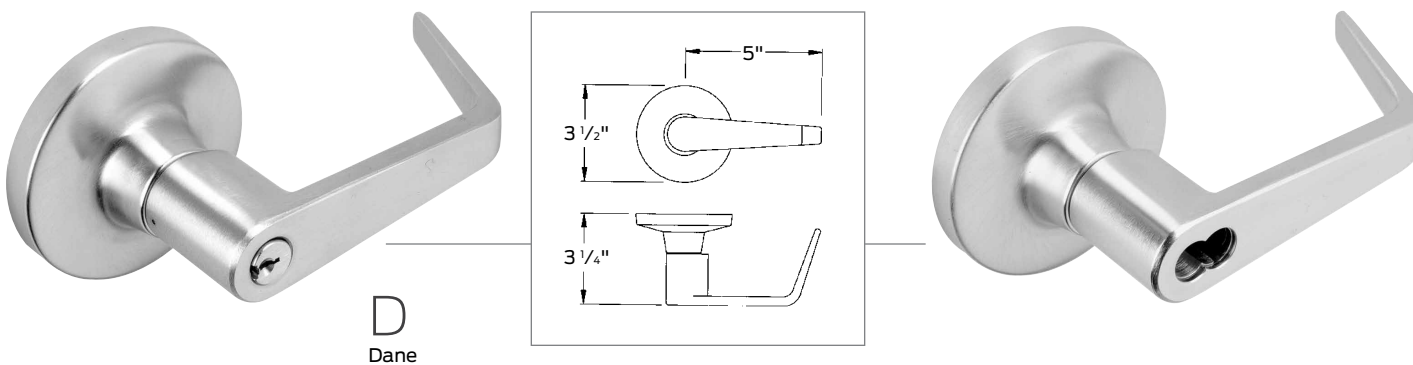
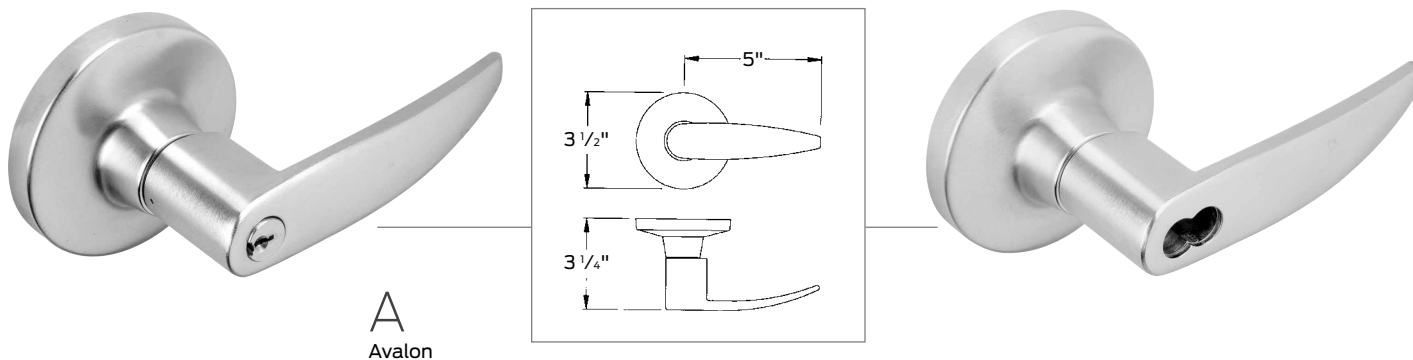
Key-in-lever cylindrical locksets shall be Falcon lock T Series or equal and meet the following requirements:

- All locks shall meet the new ANSI/BHMA A156.2, Series 4000, Grade 1 for key-in-lever locksets.
- Locksets shall be UL Listed (3 hour A Label).
- Locksets shall be provided standard with Pressure Release™ feature. When outside lever is locked, it is not rigid but will move freely without operating the latch bolt.
- Lever trim shall have individual heavy-duty compression springs behind rose for lever return and to prevent lever sag. Trim shall be through-bolted with two (2) 10-32 screws coated with thread sealant to provide strength and resistance to loosening. Inner and outer trim shall "bottom out" to prevent door collapse. Roses shall be minimum of 3 1/2" diameter.
- All lever designs shall be solid and meet the federal ADA and state disability requirements. Inside levers shall be attached by Allen-head set screw to prevent tampering or vandalism.
- Locksets shall adjust to fit door thickness from 1 3/4" to 2 1/8".
- 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



Levers

Levers are solid pressure cast zinc, finished to match mating parts. Roses are wrought brass or bronze installed over steel throughbolted rose inserts. Pressure Release™ levers are standard. Levers are secured by a spring-loaded retainer. Retainer cannot be depressed when locks have been locked.



Abrasive coated levers

All levers are available with abrasive coating along the length of the lever to identify entrances to hazardous areas to the handicapped. To order add: "with abrasive coated outer lever" in detail section of order.

High performance compression springs

Falcon T series locks feature our high performance compression springs. This newly designed spring far exceeds ANSI/BHMA requirements for cycle tests, and ensures the most robust support for levers. Unlike typical torsion springs that can break at the bend points, this new design will provide years of reliable service even in high-use applications. A retrofit kit is available to outfit your existing T series locks with this new, more robust spring design.

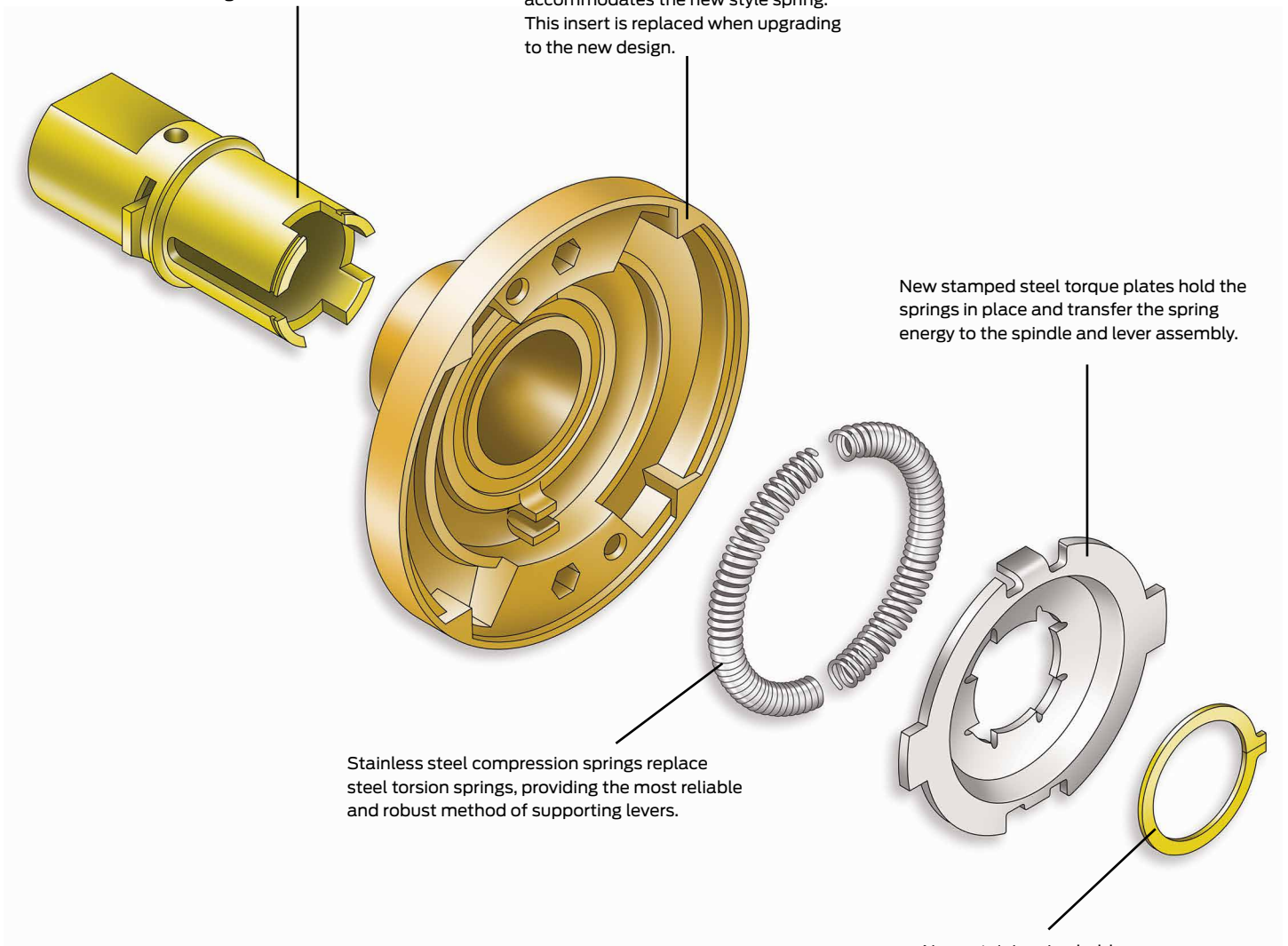
Machined steel lever spindle carries high levels of torque and shear. This spindle is re-used when upgrading existing locks to the new design.

Heavy-duty case zinc rose insert accommodates the new style spring. This insert is replaced when upgrading to the new design.

New stamped steel torque plates hold the springs in place and transfer the spring energy to the spindle and lever assembly.


Stainless steel compression springs replace steel torsion springs, providing the most reliable and robust method of supporting levers.

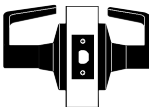
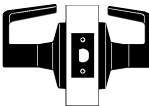
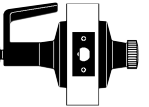

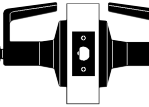


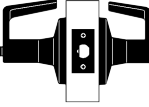

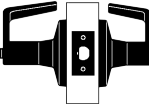

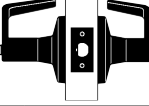



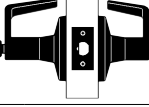

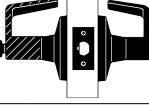

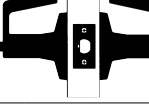

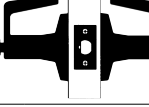


New retaining ring holds the assembly together.



Functions

To order Falcon T Series locksets, please consult page 29 for ordering information and assistance.

 Indicates interchangeable core available.

Catalog number	Function	Description	ANSI no. & grade
T101		Passage/closet latchset—Latch bolt by levers at all times.	F75-1
T301		Privacy lock—Latch bolt by levers. Outside lever locked by push button in inside lever. Rotating inside lever or closing door releases push button. Emergency release in outside lever unlocks door.	F76-1
T351	 	Closet lock—Deadlocking latch bolt by turn knob inside or lever outside except when outside lever is locked by key.	
T381	 	Classroom security lock—Deadlocking latch bolt by levers from either side except when outside lever is locked by key from inside. Outside key only retracts latch. Outside lever is locked and unlocked only by inside key.	F88-1
T411	 	Asylum lock—Deadlocking latch bolt operated by key in lever from either side. Both levers always inoperable.	F87-1
T501	 	Entry lock—Push button locking. Button on inside locks outside lever until unlocked by key or by rotating inside lever. Inside lever always free. Deadlocking latch bolt.	F82-1
T511	 	Entry/office lock—Turn/push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Push button locking. Pushing button locks outside lever until unlocked by key or by rotating inside lever. Inside lever always free. Deadlocking latch bolt.	F109-1
T521	 	Office lock—Turn button locking. Turning button locks outside lever requiring use of key until button is manually unlocked. Inside lever always free. Deadlocking latch bolt.	F81-1
T561	 	Classroom lock—Deadlocking latch bolt by levers. Outside lever is locked by key in outside lever. Inside lever is always free.	F84-1
T571	 	Dormitory lock - Deadlocking latch bolt by levers except when locked by push button in inside lever. Key in outside lever locks or unlocks outside lever and releases button. Closing door releases push button. Inside lever always free.	F90-1
T581	 	Storeroom lock—Deadlocking latch bolt by lever inside or key outside. Outside lever is inoperable. Inside lever always free.	F86-1
T851	 	Storeroom (electrified – fail safe)—Inside Lever Always Free. Latch bolt operated by lever from either side except when outer lever is electrically locked. When outer lever is locked (inoperable), latch bolt retracted by key in cylinder outside. 24 volt DC .185 Amps, continuous duty.	
T881	 	Storeroom (electrified – fail secure)—Inside lever always free. Deadlocking latch bolt operated by lever inside at all times. Outside lever inoperable until electrically unlocked, then latch bolt from either side. When outside lever is inoperable latch bolt retracted by key in cylinder outside. 24 volt DC .185 Amps, continuous duty..	
T12		Dummy trim—Single trim-surface mounted rigid lever.	

Cylinders

The Falcon T Series accepts the following competitors standard 6-pin cylinders and interchangeable cores:

Standard 6-pin cylinders*

- Arrow
- Assa
- Corbin Russwin
- Lori
- Medeco
- Primus (Schlage)
- Sargent
- Schlage
- Yale

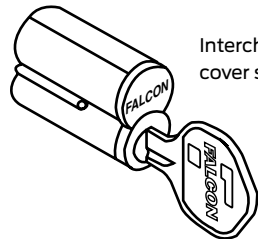
I/C removable cores*

- Arrow
- Best
- Corbin Russwin
- Medeco Keymark
- Medeco 32 Series
- Peaks (Kaba)
- Primus (Schlage)
- Sargent
- Schlage
- Yale

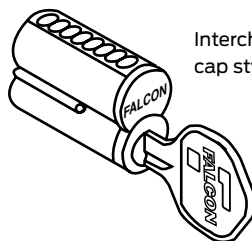
*Locks must be modified for some cylinders. Be sure to specify manufacturer when ordering.

Falcon interchangeable cores

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



Interchangeable core cover style

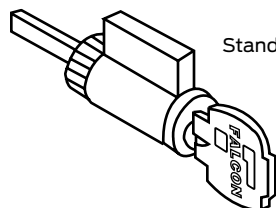


Interchangeable core cap style

Falcon standard cylinders

Catalog number			
5-Pin cylinder	6-Pin cylinder	7-Pin cylinder	Function
A23151-05	A23161-05	A23171-05	All except 381 I/S, 571
A23151-06	A23161-06	A23171-06	381 Inside cylinder
A23151-07	A23161-07	A23171-07	571

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



Standard cylinder