

Concealed Vertical Cable System

TOP LATCH



CENTER SLIDE



BOTTOM LATCH



This Frequently Asked Question guide is segmented into 3 sections to allow for easier access to your questions and answers. You can find the answers to the questions below on the accompanying pages.

For additional questions please contact Customer Care at 1-877-671-7011, or visit vonduprin.ingersollrand.com.

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More Questions?

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Availability

Which exit models will have the concealed vertical cable option? The concealed cable system will launch with the 98/99 as well as the 33/35A devices, but not the InPact Device or the 22. The new CVC system will have all the same available options and accessories, including a Less Bottom Latch (LBL) option. The only exceptions that will not be available on the new system is the 33/35A for wood doors.

Are there any changes to the exit device? If so, what has changed? No, there are no changes or modifications to the exit device or the trim options. Electrified options will also remain the same. If a customer would like to upgrade their current opening, they can save their current exit device, and trim, and purchase a new door with the new cable system pre-installed from Steelcraft.

Will the concealed cable system be available in surface mount? There are no immediate plans for a surface vertical cable system. The new cable system is a result of direct customer feedback to resolve the issues with maintaining and installing concealed rods.

Will this be available for fire rated wood doors? The concealed cable system has been UL fire tested on a wood door. Our door prep templates will be available online for other manufacturers as per our normal process.

Are there plans to obsolete the traditional concealed vertical rod system (9947)? No, there are no short-term plans to obsolete the concealed vertical rod 9947 device. There is a very large install base that will need to be serviced for years down the road. New construction will be driven from the 9947 to the new 9949 series.

Will we be able to get the -48 bottom strike? The 9949 device will not have the -48 bottom strike option. The adjustability of the bottom latch, and the independent design of the latching system, eliminate the need for the -48 strike in the new CVC System.

When will the new CVC System be available? Orders for the new Concealed Vertical Cable System will start being taken on Thursday, May 24th. Shipping will begin on Monday, June 11th.

What will be the new pricing? The new cable system will have a 5% premium list pricing over the current rod system. Channel partners can access price information on PartnerLink.

Will the new concealed vertical cable system work with any door height? Yes, but the door height must be specified during order entry. The concealed cables are designed to be flexible and can meet a range of door heights, but they still must fit within the channel in the door so the doors height must be specified. The CVC system are available in five (5) standard heights: 6'8", 7', 8', 9' and 10' doors. These heights make up more than 90% of the concealed exit applications. Additional non-standard heights are available, but will require extended lead-times. Please refer to the chart below:

Standard Door Height	
Feet	Inches
6'8"	80"
7'	84"
8'	96"
9'	108"
10'	120"

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Performance

Why is the concealed cables system better than standard vertical rods? The most common complaint about all concealed vertical rods is the amount of time it takes to properly adjust the rods during installation and maintenance. The concealed cable system was designed specifically to resolve that issue. The cable system can operate independent of the door and allows some cable slack within the door. This “flexibility” eliminates the need for repeated fine tuning of a traditional rod system throughout the life of an exit. The bottom latch height is also adjustable while the door is attached to the frame, eliminating the requirement to remove the door for routine adjustments or latch lubrication.

How does the durability of a cable compare to a traditional rod? The new system utilizes stainless steel enclosed cables with a nylon liner. This type of cable technology is widely used vehicles, airplanes, off road utility equipment and many other life/safety devices. The cable system and latches are designed with “over travel”, so the system does not put stress on the cables when the device is put under duress. It’s also been tested to far exceed traditional rods under loaded force tests. Von Duprin has tested the system to exceed ANSI standards, and in most cases outperform the traditional rod exits.

What standards has this system been certified to? The concealed cable system has been tested to meet NFPA 101, NFPA 5000, NFPA 80, IBC, NBCC, FBC, ADA, and Nec Class2. It also meets all the requirements of UL305, Can/ULC-S132m CSFM, and BHMA 156.03.

Will the cables “rattle” or be noisy within the door? No, the new CVC system is a quieter solution than traditional rods. The cables will set themselves within the channel of the door, and will not shift during operation. This will eliminate the “rattle” that is often heard in traditional rod systems.

Will the cables bind or be vulnerable to corrosion? No, the cables are specifically designed to withstand excessive abuse corrosion. They are constructed in stainless steel with a Teflon® liner.

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Technical

Can I upgrade a rod system to a new concealed cable system and maintain the fire label? Yes. There is a slight change to the prep of the door, so a new fire listed door will need to be installed with the concealed cable prep as well. A 338 filler plate is also available to cover the existing top frame prep. Because there is no change to the exit device or trim, customers can re-use their exit hardware and purchase just a new door with the new cable system pre-installed by Steelcraft.

If I have enough clearance above the door, can I install the new CVC system while the door is hanging? Yes, as long as the bottom latch mounting bracket is installed before the door is hung. Once they are installed, the cable system can be installed in one piece while the door is hung as long as there is proper clearance above the door. The bottom latch is secured and adjusted from the pin in the side of the door. The Less Bottom Latch (LBL) system can also be installed while the door is hanging without the need to install the bottom latch mounting bracket.

Can the cables be cut in the field for various door heights? No, the design of the cable does not allow them to be cut or field modified. When ordering the new 9949 CVC System you must specify the height of the door. The CVC will have five (5) standard door heights that make up more than 90% of the overall business. Incremental door heights can be accommodated through our normal order entry process, but will require an extended lead time.

Do the cables stretch? Can they snap? The cables are designed so that they will not stretch. So they will not require periodic adjustment similar to systems that utilize a taut cable. Additionally, the cable to latch engagement is designed with "over travel". This means that when the latches are retracted, the cable is not at the end of its travel. This over travel means the cables will never receive the direct force of an impact if a push pad is abused or slammed.

Why do I need to replace my door when I want to retrofit this into an existing hollow metal application? In order to ensure the fire listing on a hollow metal door, a new door must be ordered with the new 9949 template. To reduce the cost of replacing the door & exit device, a new door can be ordered directly from Steelcraft with the CVC system already pre-installed in the door. Customers can save their exit device and simply replace the old door and rod system with the new door pre-installed concealed cable system, and reattach the existing exit. On non-fire rating openings for both hollow metal and aluminum doors, it is feasible that the 9949 can retrofit into some limited applications, but it is not recommended by Von Duprin to attempt to modify the door. The existing door template, auxiliary hardware, and potential compromise of security make field modification unpredictable and will not be supported by Von Duprin technical service and warranty.

Can I retrofit an Aluminum Door? Depending on the condition of the existing aluminum door, with some modification, it is possible to retrofit it with the new concealed vertical cable system.

If we retrofit an existing opening with a new door and system, how do we replace the strikes? When ordered as a retrofit option in the form of a pre installed door system through Steelcraft, a 338 filler plate will be provided to cover the existing top frame prep. This filler plate can also be ordered as a separate item. This will allow you to fill the hole in the frame, and attached the new surface mounted strike over top of the filler plate. For the bottom strike, a strike plate will come standard for both new and existing applications.

Why does the new cable system require less time to install and service? Installation and maintenance can vary based on the condition of the door and the experience of the person performing the service. Typically, the installation and adjustment of the rods is mainly dependent on ensuring the top and bottom rod are in accurate alignment. The new cable system eliminates these steps and can be installed on the door in approximately 5 to 10 minutes. The process for hanging the door on the frame, and installing the exit device will remain the same.

Is the new system patented? Yes, the new system is currently patent pending. The patents apply to the cable design and latching technology.

More Questions?

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