

# SpecSeal® EXC Intumescent Firestop Collars



The SpecSeal® EXC Intumescent Firestop Collar is a factory-manufactured firestop device designed to protect plastic pipes penetrating fire-rated walls and floors. It consists of a steel collar and flange that secure multiple layers of intumescent wrap strip around the pipe. Sized for 16" (406 mm) and 18" (457 mm) trade pipes, the collar activates when exposed to temperatures above 350°F (177°C). The intumescent material rapidly expands up to 30 to 60 times its original volume forming a dense, insulative char that seals the opening against fire, smoke, and hot gases. Expansion continues through temperatures reaching 1000°F (538°C), providing reliable passive fire protection in demanding environments.

## Applications

SpecSeal® EXC Intumescent Firestop Collars are used to protect nonmetallic pipes in both vented systems (DWV) and closed systems (process or supply piping, electrical conduits). They are suitable for use in concrete floors, concrete over steel deck, concrete walls, and concrete block walls.

## Specifications

The firestop system shall consist of a factory-assembled collar constructed from steel components, designed to secure intumescent wrap strip layers around nonmetallic pipes. The collar shall be composed of two hinged halves, fastened with multiple locking points to ensure uniform compression over the intumescent material. The intumescent wrap shall provide a minimum free expansion of 30x and contain no water-soluble or water-absorbing ingredients. The system shall be UL Certified and tested to meet the requirements of ASTM E814 (UL 1479) for nonmetallic pipe penetrations, either as a standalone solution or in combination with other approved products from the same manufacturer.

### Specified Divisions

Division 7	07 84 13	Penetration Firestopping
Division 22	22 00 00	Plumbing

## Performance

SpecSeal® EXC Intumescent Firestop Collars are the basis for systems that meet the exacting criteria of ASTM E814 (UL1479). Systems have been tested for common forms of masonry construction and nonmetallic pipes with ratings up to two hours. Consult factory for information not available in the UL Online Certifications Directory/UL Product IQ as of this printing.



## Limitations

The product has been designed to be safe with plastics. It has been used successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. STI strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.

## Maintenance

INSPECTION: Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® products per the original approved design.



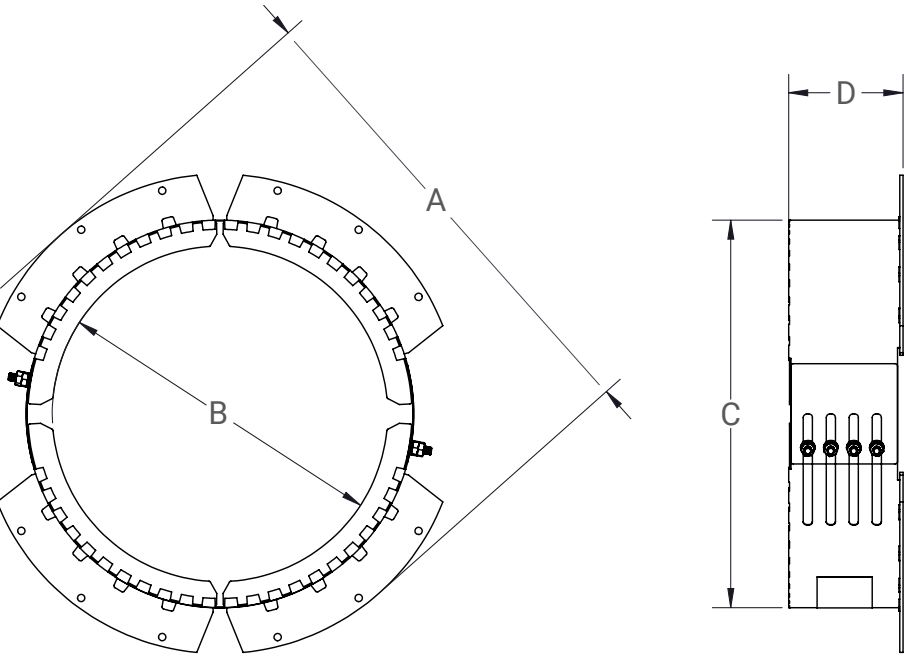
## PHYSICAL PROPERTIES

Available Sizes	16" (406 mm) 18" (457 mm)
Shell Construction	Stainless Steel
Flange Construction	Carbon Steel
Expansion Begins	350°F (177°C)
Volume Expansion	30x to 60x (free expansion)
In Service Temperature	Less than 130°F (54°C)
Storage Temperature	Less than 120°F (49°C)
Shelf Life	No Limit

## Features & Benefits

- Only out-of-the-box solution for large-diameter pipe firestopping
- Eliminates on-site assembly—saves time and money
- Preassembled design helps reduce contractor risk
- Installs quickly with standard tools
- Durable and water-resistant
- Expands up to 60x for reliable firestopping performance

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COLLAR DIMENSIONS		
	EXC1600	EXC1800
A	24.09" (612 mm)	26.09" (663 mm)
B	16.25" (413 mm)	18.28" (464 mm)
C	19.09" (485 mm)	21.09" (536 mm)
D	6.23" (158 mm)	6.23" (158 mm)

System Selection

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the [UL Online Certifications Directory/UL Product iQ™](#) for complete listings. (Firestop Systems).

Technical Service

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website [www.stifirestop.com](http://www.stifirestop.com) including Safety Data Sheets (SDS's).

Precautionary Information

No unusual hazards are known or expected. Observe normal safety procedures during installation.

Availability

SpecSeal® Firestop Collars are available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technologies products, please call 1-800-992-1180 or visit [www.stifirestop.com](http://www.stifirestop.com).

ORDERING INFORMATION					
Catalog Number	UPC Number	Size	(UOM) Qty.	Case Qty.	Weight (Each)
EXC1600	730573952405	Firestop Collar for 16" (406 mm) Trade Size Plastic Pipe	1	1	37.3 lbs (16.9 kg)
EXC1800	730573952412	Firestop Collar for 18" (457 mm) Trade Size Plastic Pipe	1	1	37.3 lbs (16.9 kg)

IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.  
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