

MFC-W Marine Watertight Firestop Collars

Watertight, factory-manufactured, intumescent device for use as a penetration seal in fire-rated bulkheads and decks

PRODUCT FEATURES:

- Tested to IMO FTP Code 2010, Annex 1, Part 3 (Class A-0 through A-60 and H-0 through H-120 Bulkheads and Decks)
- Fits most standard pipe sizes from 16 mm to 324 mm
- Provides watertightness up to 3.5 bar and gas-tightness up to 1 bar
- Rapid intumescent expansion under fire conditions quickly seals off the path for fire, gases, and smoke
- Stainless steel body with mild steel flange for weld-attachment or steel screws
- Solid design requires pipe to be inserted through the watertight bushing
- Flexible intumescent liner accommodates vibration and will not damage pipe
- Resistant to aging and weathering

PHYSICAL PROPERTIES:

Property – As Supplied:	Value
Collar Construction:	Stainless steel shell with nominal 50 ksi ABS® approved mild steel flange
Expansion Begins:	160°C (320°F)
Expansion Volume:	32 to 64 times
Shelf Life:	No limit

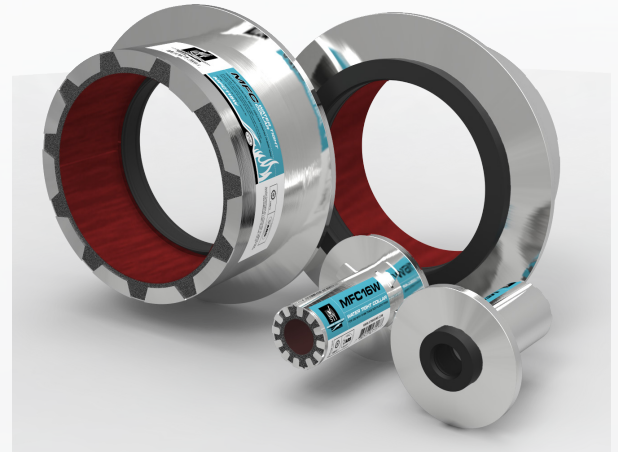
INSTALLATION INSTRUCTIONS:

General Notes: Read Safety Data Sheets (SDS) and product label for safe handling.

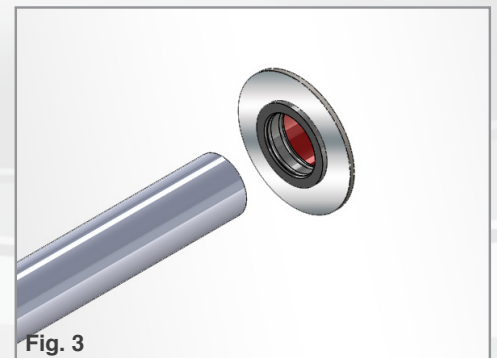
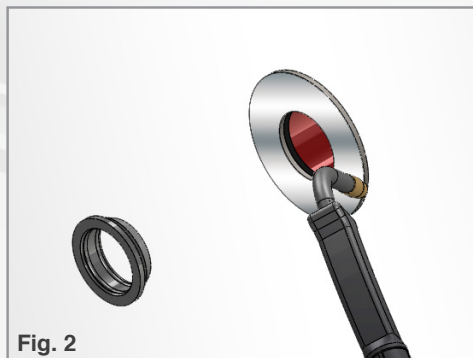
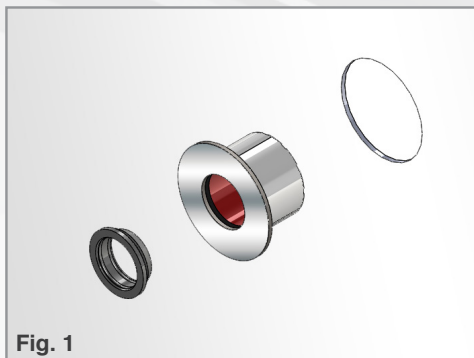
Step 1: All surfaces shall be clean, sound, dry, frost-free, and free of bond-breaking contaminants and loose material.

Step 2: Install the collar and secure to one side of bulkhead or deck by means of continuous weld. (See Fig. 1 & 2)

Step 3: Pass the pipe or conduit through the device. Use soapy water if necessary. **DO NOT USE PETROLEUM-BASED LUBRICANTS.** (See Fig. 3)



THIRD PARTY APPROVALS:



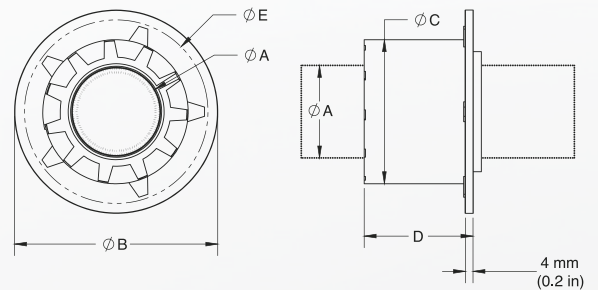
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ORDERING INFORMATION:

Watertight Marine Firestop Collars are available from STI Marine Distributors. Contact regional STI office for more information.

UPC# 730573	CAT NO.	DESCRIPTION	CASE QTY
43117	MFC16W	16 mm Marine Watertight Firestop Collar	12
43121	MFC20W	20 mm Marine Watertight Firestop Collar	12
43126	MFC25W	25 mm Marine Watertight Firestop Collar	12
43131	MFC32W	32 mm Marine Watertight Firestop Collar	6
43141	MFC40W	40 mm Marine Watertight Firestop Collar	6
43151	MFC50W	50 mm Marine Watertight Firestop Collar	6
43201	MFC60W	60 mm Marine Watertight Firestop Collar	6
43264	MFC63W	63 mm Marine Watertight Firestop Collar	6
43276	MFC75W	75 mm Marine Watertight Firestop Collar	6
43301	MFC90W	90 mm Marine Watertight Firestop Collar	6
43311	MFC110W	110 mm Marine Watertight Firestop Collar	6
43401	MFC115W	115 mm Marine Watertight Firestop Collar	6
43426	MFC125W	125 mm Marine Watertight Firestop Collar	2
43441	MFC140W	140 mm Marine Watertight Firestop Collar	2
43461	MFC160W	160 mm Marine Watertight Firestop Collar	2
43601	MFC169W	169 mm Marine Watertight Firestop Collar	2
43621	MFC200W	200 mm Marine Watertight Firestop Collar	1
43801	MFC219W	219 mm Marine Watertight Firestop Collar	1
43826	MFC225W	225 mm Marine Watertight Firestop Collar	1
43875	MFC273W	273 mm Marine Watertight Firestop Collar	1
43876	MFC324W	324 mm Marine Watertight Firestop Collar	1

COLLAR DIMENSIONS:



	A		B		C		D		E	
	mm	in	mm	in	mm	in	mm	in	mm ± 5	in ± 0.2
MFC16W	16	0.6	71	2.8	34	1.3	70	2.8	44	1.7
MFC20W	20	0.8	77	3.0	39	1.5	70	2.8	48	1.9
MFC25W	25	1.0	82	3.2	45	1.8	70	2.8	53	2.1
MFC32W	32	1.3	88	3.5	52	2.0	70	2.8	60	2.4
MFC40W	40	1.6	102	4.0	57	2.2	70	2.8	68	2.7
MFC50W	50	2.0	112	4.4	81	3.2	60	2.4	90	3.5
MFC60W	60	2.4	121	4.8	95	3.7	60	2.4	100	3.9
MFC63W	63	2.5	130	5.1	100	3.9	60	2.4	103	4.1
MFC75W	75	3.0	142	5.6	112	4.4	60	2.4	115	4.5
MFC90W	90	3.5	165	6.5	124	4.9	60	2.4	130	5.1
MFC110W	110	4.3	183	7.2	143	5.6	60	2.4	150	5.9
MFC115W	115	4.5	186	7.3	148	5.8	60	2.4	165	6.5
MFC125W	125	4.9	202	8.0	161	6.3	116	4.6	175	6.9
MFC140W	140	5.5	218	8.6	175	6.9	116	4.6	190	7.5
MFC160W	160	6.3	245	9.6	196	7.7	116	4.6	210	8.3
MFC169W	169	6.7	275	10.8	200	7.9	116	4.6	220	8.7
MFC200W	200	7.9	315	12.4	249	9.8	140	5.5	250	9.8
MFC219W	219	8.6	345	13.6	263	10.4	140	5.5	270	10.6
MFC225W	225	8.9	350	13.8	271	10.7	140	5.5	275	10.8
MFC273W	273	10.7	400	15.7	316	12.4	140	5.5	323	12.7
MFC324W	324	12.8	450	17.7	368	14.5	140	5.5	370	14.6

MAINTENANCE:

This product is maintenance free. Observed damage can be repaired per the original approved design.

WARRANTY INFORMATION:

www.stimarine.com/legal/warranty

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