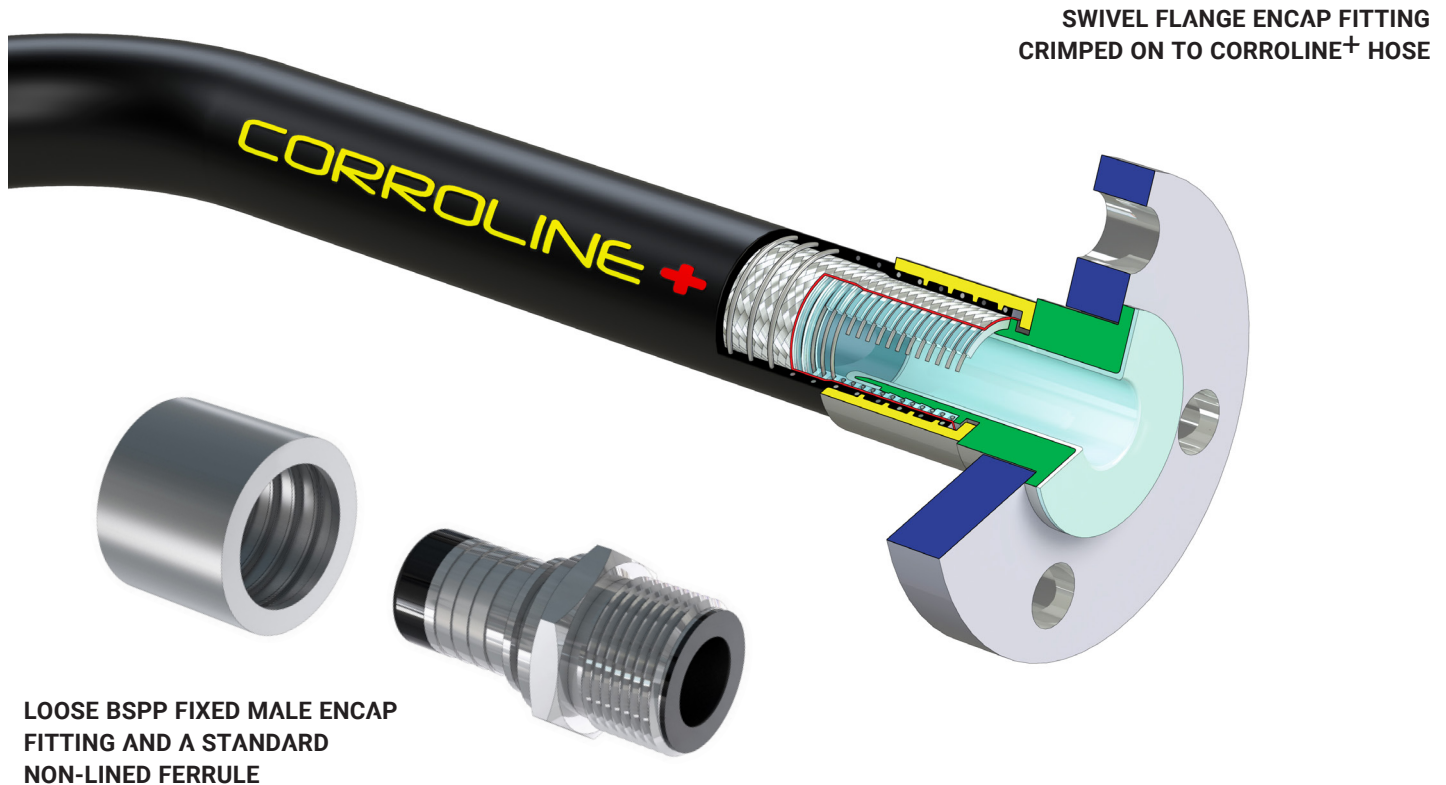


ENCAP END FITTINGS

PTFE Encapsulated (ENCAP) End Fittings

Easy to Assemble - Fully PTFE Lined End Fitting - Larger Bore than Conventional PFA Encap Fittings



INTRODUCTION

In response to requests from customers Aflex have developed a basic range of PTFE encapsulated end fittings.

These can be used in place of standard non-lined end fittings to provide a PTFE lined alternative for threaded end fitting types where integral lining is not possible. They also provide a cost effective alternative to exotic metals such as hastelloy where high levels of chemical resistance are required.

Encap fittings do not provide the same advantages as integral lined fittings. The full hose bore size through the fitting is reduced and entrapment areas are present at the end of the encapsulated hose tail.

Encap fittings provide a fully PTFE lined fitting with a flared face, which is easier to assemble. The Aflex Encap fitting design has a significantly larger bore than the conventional PFA encapsulated fittings available from other suppliers.

CONSTRUCTION & APPLICATION

Encap Fittings are assembled and crimped using the same non-lined ferrules, crimp diameters and assembly procedures that are used with standard direct crimp fittings throughout the Aflex PTFE hose product range.

The PTFE encapsulation is either natural or antistatic PTFE as required, with a PTFE wall thickness of 1.5mm (0.060") for sizes up to 1½" and 1.8mm (0.070") for sizes 2" and above.

Encapsulated fittings are available for all Corroline+ Self Assembly Distributors.

Important Note: The use of Encap fittings with hoses, ferrules or other components which are not all supplied by Aflex Hose is strictly prohibited and no liability will be accepted for any failures resulting from such abuse.

FOR MORE INFORMATION PLEASE VISIT - WWW.AFLEX-HOSE.COM

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Hose & Fitting Size	Bore Through Fitting (all types)		Part Numbers									
			Swiveling Flange Spigots Only (flanges not included)				Swiveling Locking Arm Cam & Groove Female	Cam & Groove Male	*BSP Thread Flat Face Fixed Male	*NPSM Thread Flat Face Fixed Male	BSP Flat Face Swivel Female	
	DIN PN 10/16/40	ANSI Class 150/300										
	mm	in	05-284-	05-222-	14-265-	15-318-	06-144-	06-187-	07-586-			
1/2	7.00	0.27	08-08-01	S	08-08-01	S	N/A	N/A	08-08-01	08-08-01	08-08-01	
3/4	13.34	0.53	12-12-01	S	12-12-01	S	12-12-01	12-12-01	12-12-01	12-12-01	12-12-01	
1	18.30	0.72	16-16-01		16-16-01		16-16-01	16-16-01	16-16-01	16-16-01	16-16-01	
1 1/4	22.91	0.90	20-20-01	S	20-20-01		20-20-01	S	20-20-01	S	20-20-01	S
1 1/2	28.45	1.12	24-24-01		24-24-01		24-24-01		24-24-01		24-24-01	
2	41.15	1.62	32-32-01		32-32-01		32-32-01		32-32-01		32-32-01	
3	63.40	2.50	48-48-01	S	48-48-01		48-48-01	S	48-48-01	S	48-48-01	S

CODES

- N/A Not Available
- Items in grey are lined with a machined PTFE liner
- Items in green are lined with PTFE tube flared out to form the sealing face. (This design is more economical than a machined liner and has a different appearance).
- S These end fittings can be supplied to the Encap design but, only as "Specials" (= Specially made to order as Non-Stock Items).

Other Fittings not listed here which are also available as "Specials" include all those non-lined end fittings listed for any product in the Aflex Hose product literature.

* These parallel male threaded end fittings can only be used where the connecting component forms a seal against the PTFE sealing face. Connections to a BSP Taper Female Fitting or, a "Bonded Washer" type connection are, therefore, not acceptable.

OTHER DIMENSIONS

Other dimensions for Encap fittings are as listed for the non-lined fittings in the relevant full product brochure on the Aflex Hose website. The Encap Flange flare diameters are in accordance with specification requirements.

PERFORMANCE TESTING

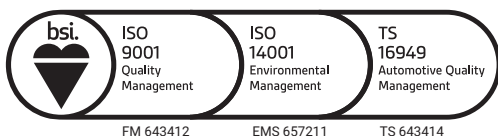
Rigorous test programs have been applied to ensure that the Encap fitting design performs satisfactorily. These tests include:

- Burst Pressure Testing (Before and after Heat Cycling)
- Helium Diffusion Pressure Testing (Before and after Heat Cycling)
- "Rolling U" Continuous Flex Testing
- Various other tests

In every test the hose assemblies with Encap fittings performed as well as those with standard non-lined fittings.

PROPERTIES

The temperature and pressure properties and all the other properties are as listed for the relevant hose and non-lined end fitting in the full product brochures available on the Aflex Hose website.



ENCAP/21.04.17 Rev 2

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