

ENGINEERING
TOMORROW

Danfoss

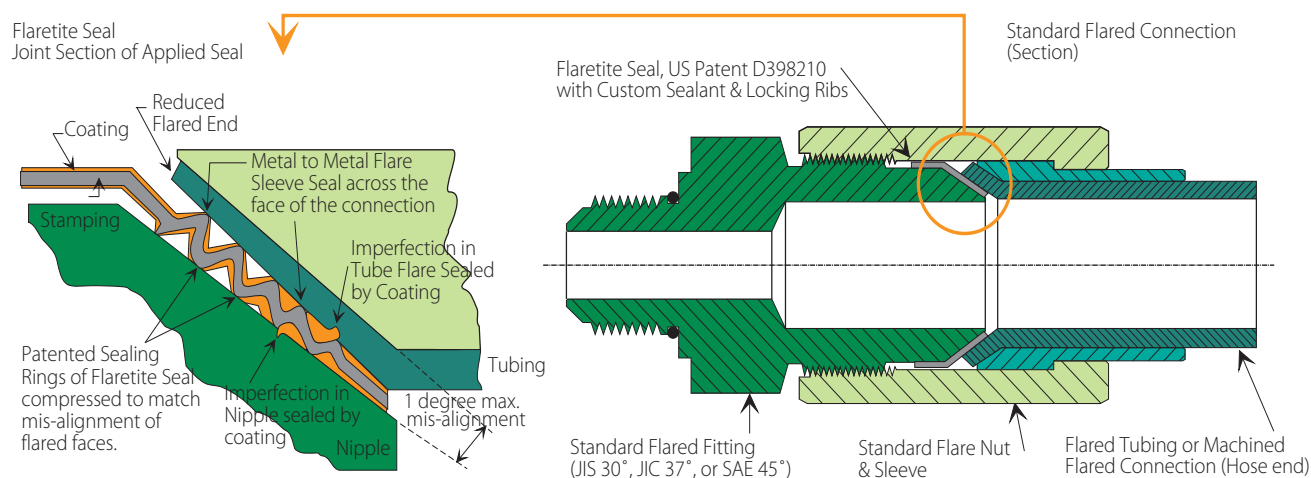
Technical Overview

Danfoss

Flaretite Seals



Danfoss Flaretite Seals Technical Overview



The Only Flare Seal Solution

Introduced in the 1940's, the SAE 37° flare or JIC connection, has become the most commonly used hydraulic connection in the world. Even with the introduction of more robust and higher-pressure capable connections, the SAE 37° flare remains widely accepted due to its ease of assembly, global availability and reusability.

Along with the benefits of SAE 37° connections, come drawbacks. The metal-to-metal sealing surfaces are subject to damage both prior to installation and as the connections are re-used. Sealing surface imperfections lead to unwanted weeping and leaking joints. The solution... Flaretite seals. Flaretite seals are ideal to enhance new installations of SAE 37° connections, as well as seal off minor leaks and weeping connections.

* Flaretite is a registered trademark of Flaretite Inc. All photos and the name Flaretite are the property of Flaretite Inc.

** Loctite is a registered trademark of Henkel Loctite Corporation.

Features

- Ribbed insert design
- Coated with Loctite** sealant
- Reduces minor leaks and weeping connections
- Built-in clip to attach the Flaretite seal to the nose of the SAE 37° connection
- Available sizes: -04 through -32

Benefits

- Multiple surface contact points
- Locks the joint and fills surface imperfections
- Saves time & money associated with maintenance and rework
- Quick & easy assembly

Assembly and Torque Requirements

To assemble an SAE 37° connection using a Flaretite seal, simply push the Flaretite seal onto the male portion of the connection. The built-in clip will hold the Flaretite seal onto the male half.

During assembly ensure:

- the seal is fitted squarely to the conical nose of the JIC fitting -37° flare.
- the sealing faces of the flared connector part are clean and free of burrs.
- the flared joint is correctly tightened with recommended torque settings noted below.

Recommended Torque Settings

Tolerance: +10% -0%					
-04 (1/4")	SAE 37°: 14lb-ft.	-10 (5/8")	SAE 37°: 80lb-ft.	-20 (1-1/4")	SAE 37°: 190lb-ft.
-06 (3/8")	SAE 37°: 26lb-ft.	-12 (3/4")	SAE 37°: 110lb-ft.	-24 (1-1/2")	SAE 37°: 220lb-ft.
-08 (1/2")	SAE 37°: 55lb-ft.	-16 (1")	SAE 37°: 140lb-ft.	-32 (2")	SAE 37°: 325lb-ft.

How to Order

Seal Size	Package Part Number	Number of Seals Per Package
-04	FF13267	100
-06	FF13268	100
-08	FF13269	100
-10	FF13270	100
-12	FF13271	100
-16	FF13272	50
-20	FF13273	50
-24	FF13570	25
-32	FF13571	10

About Danfoss Power Solutions FC

Danfoss hoses, fittings, and tooling provide the ultimate fluid conveyance solutions for a variety of equipment and applications around the world. We proudly engineer to support a sustainable future for tomorrow.

To learn more please visit: <http://www.danfoss.com/en/about-danfoss/our-businesses/power-solutions>

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