



Flarweld



Buttweldolet



Socketweld



NPT



Flange

## Features

- **Corrosion Resistant Hastelloy® Threads and Seal Seat Areas**
- **Vessel Compatible Body Material for Welding Compatibility**
- **Especially Ideal for Bottom-Of-Line Positions**
- **Design Virtually Eliminates Galvanic Corrosion**
- **Available on any Non-Tee or Threaded Tee Access Fitting**
- **Compatible with all Existing Equipment**
- **Meets NACE MR0175 and MR0103**
- **Canadian Registration (CRN) and Conformity to Pressure Equipment Directive (PED)**

Access fitting materials are chosen primarily for compatibility with the vessel material on which they are installed. In corrosive environments, this subjects the seal seat areas and the threads to the same corrosive environment as the vessel. After years of service, these areas may corrode and present a potentially unsafe situation. This is especially common on bottom-of-line installations.

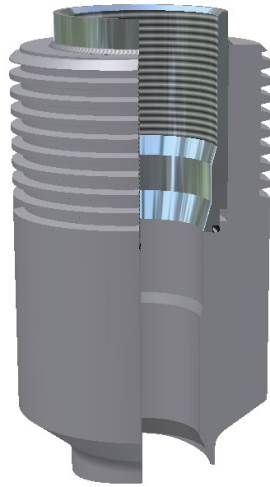
To address this problem, Cosasco has developed a line of patented corrosion resistant access fittings. By using an insert made of Hastelloy® C276, the seal seat areas and threads are protected from corrosion damage. Hastelloy® C276 is a strong passive film forming material. Consequently, as a cathode in a galvanic cell, it tends to pass very little current. This tendency

and the large anode-to-cathode area ratio eliminate galvanic corrosion.

These fittings were subjected to rigorous independent testing by a major Middle East oil company and their test results proved the merits of this design. During the test, the pipe incurred a high rate of pitting and general corrosion, while the corrosion resistant Cosasco fitting incurred no significant corrosion damage. This oil company saw that the Hastelloy® C276 sealing surfaces and threads protected the access fittings from virtually all oil field environments. The company concluded that these severe service access fittings should have a service life which extends far beyond the life of any carbon steel pipes in which they are installed.



# Severe Service Access Fitting Assemblies



**Patented CR Fitting with Highly Corrosion Resistant Alloy Insert**

## Ordering Information

To order, simply add the suffix 'CR' after the two digit access fitting model number. All other options for the particular access fitting are available on any non-tee or threaded tee access fittings. See the individual data sheet for the access fitting desired.

**Example:** A typical severe service, corrosion resistant access fitting, flarweld mount model number would be:

**50CR-111-0-10-K03011-1**

U.S. Patent Number 5,653,477 and other international patents applied for.  
Hastelloy is a registered trademark of Haynes International.

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Rohrback Cosasco Systems Corrosion Monitoring Equipment is manufactured and sold under one or more of the following US Patents: 4138878, 4238298, 4338563, 4514681, 4537071, 4587479, 4605626, 4625557, 4755744, 4839580, 4841787, 4882537 5243297

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