I-ROD® HIGH-IMPACT THERMOPLASTIC FOR ANTI-CORROSION PIPE SUPPORTS

I-Rod prevents corrosion at pipe supports by preventing moisture from being trapped.

Corrosion at pipe supports is one of the leading causes of process-piping failures. Not surprisingly, beam supports and saddle clamps have historically caused the majority of problems. They have these undesirable features in common:

• Crevices: The formation of a crevice at the pipe surface.

• Water entrapment: Water is trapped and held in constant contact with the pipe.

• Poor inspectability: These supports are virtually impossible to paint or maintain, and visual inspections and NDT are often difficult.

• Galvanic couples: Even when both the pipe and the support are the same steel, the metallurgical differences can still provide enough potential to drive a galvanic corrosion cell.

I-Rod is the solution

I-Rod, a durable, extruded thermoplastic cut into a half-round rod, is the key component in all of Deepwater's I-Rod brand pipe supports. It is available in one-meter lengths, five and ten foot lengths or cut-and-drilled for use with standard-size pipe U-bolts. There are three different diameter sizes for I-Rod: 0.75 inch, 1 inch, and 1.5 inch, as well as high-temperature versions for process piping operating above 200 °F.

The Nu-Bolt Assembly is our most popular I-Rod product, which provides corrosion protection at I-beam supports. For Grinnell clamps and pipe saddles, there are I-Rod Clips, designed to clip onto new and existing saddle-clamp-style supports or inside clamps. I-Rod Adhesive is available to permanently bond I-Rod to concrete or metal pipe supports when drilling mounting holes is not an option.

Half-round shape

The half-round shape minimizes contact between the pipe and the support, which eliminates the crevice and keeps the pipe dry. Keeping water out prevents corrosion from forming.

Maintenance

I-Rod also provides an electrically-isolated stand-off between the pipe and the supporting beam or saddle clamp. This allows for easy maintenance and inspection while preventing galvanic corrosion between dissimilar metals of the pipe and support.

Durability

I-Rod has excellent compressive strength and a very low friction coefficient, making it ideal as a beam dressing. Pipe damage during new construction is reduced when I-Rod is used to assist in pipe fitting.

Astonishing record of success

For over 25 years, I-Rod has been installed hundreds of thousands of times worldwide - onshore and offshore - and there has never been a reported failure of a pipe at a support where I-Rod was used.

More info at www.stoprust.com

NU-BOLT ASSEMBLY IS THE MOST POPULAR INSTALLATION CHOICE
I-Rod Adhesive can be used when bolting is not possible.

MADE FROM EXTREMELY DURABLE THERMOPLASTIC MATERIAL
High-temperature.options available up to 249C°.

PIPE SADDLES AND CRADLES CAN BE FITTED AS WELL
I-Rod Clips can be manufactured to any size.

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