



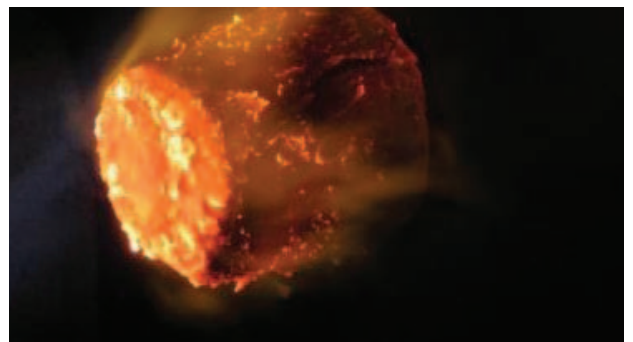
Firenut and belt

FIRE PROTECTION OF NUTS AND BOLTS

In refineries, offshore oil installations or wherever hydrocarbons are transported, the pipes are flanged and held together with nuts and bolts. In case of fire, the flanges and pipes should maintain the same level of integrity to avoid escalation.

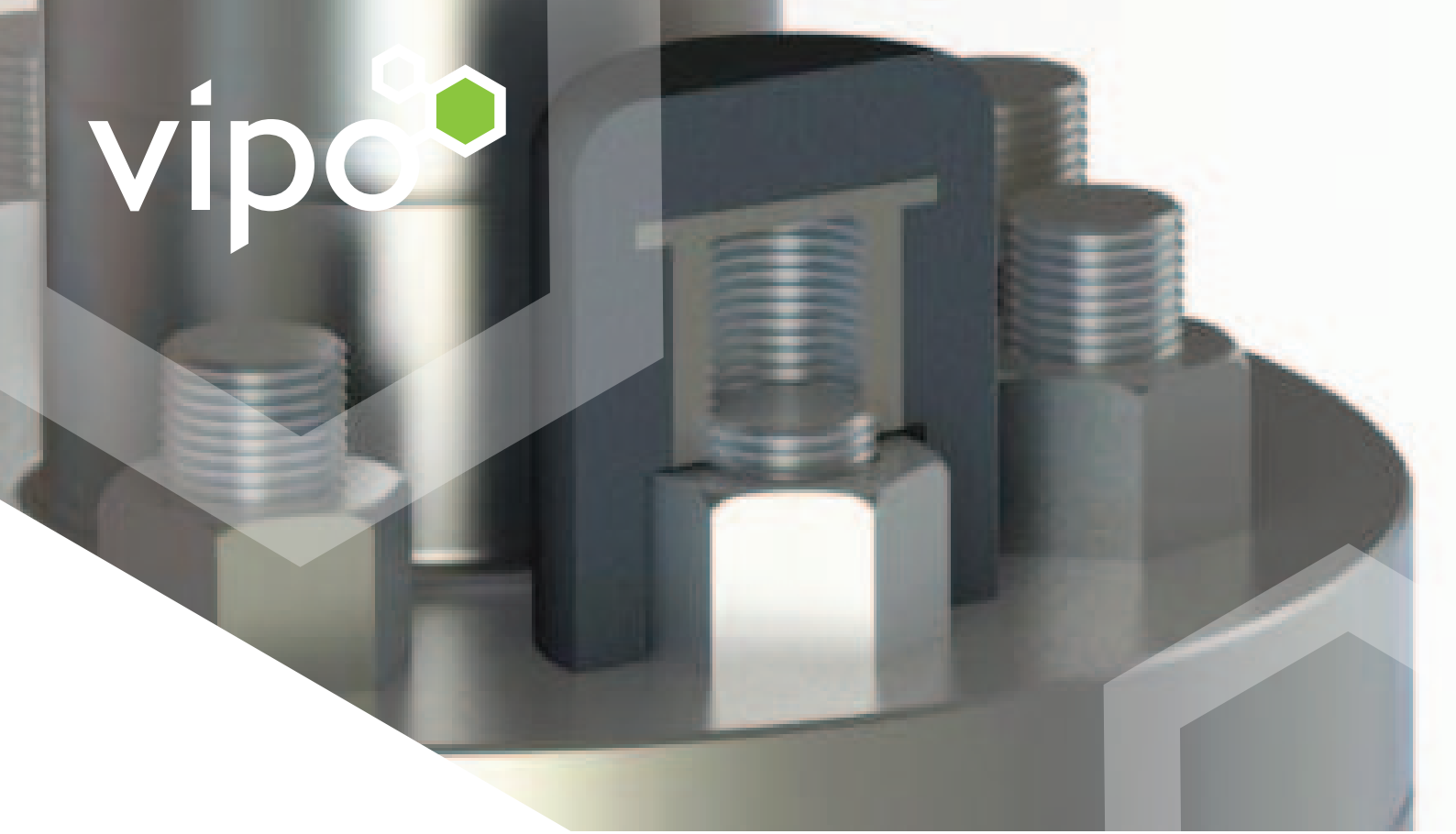
Traditional protection is to capsule the whole valve and flanges in a fire-insulated metal box - a bulky, heavy and expensive solution. The box also creates challenges during inspection and maintenance. Vipo has developed a jet fire protection for bolted connections to extend service life in the event of a fire. It helps the bolts and flanges to maintain their level of integrity and avoid escalation.

The easy to install Firenut resists both jet fire and pool fire and is tailor made to accommodate almost any bolt size. The rigid and tough design means that Firenut has extremely good resistance to mechanical damage when installed. Firenut is hand mounted by screwing it on to the bolt. It protects each bolt separately, allowing for easy inspection as well as lowering weight and occupying less space.



The Firenut system simplifies installation, inspection and maintenance of flanges, increases efficiency and reduces costs. It can be re-used after disassembly and does not require certified personnel for installation. Firenut is based on Vipo's Firestop material, which combines extreme fire protection with other unique rubber capabilities. Vipo has delivered Firestop based products to the offshore industry for more than 30 years.





FEATURES:

- High resistance to blast, impact, ozone, UV, most solvents and seawater
- Jet fire tested according to ISO standard 22899-1
- Maintenance free
- Easy to install with no hot work required
- Long design life
- Weight and space savings
- Excellent protection from HISC, corrosion, and mechanical damage and wear
- Extends time to rupture up to 4X
- Tailormade to accomodate any bolt size

APPLICATIONS:

- Offshore constructions
- Old and new bolts/flanges
- High pressure flanges
- Anywhere that bolt and nut protection is required



With over 125 years of polymer material technology expertise, Vipo offers advanced and reliable solutions for demanding situations.

The Norwegian polymer specialist develops and manufactures rubber-based fire, thermal and corrosion protection products for global industries. With a portfolio of long-established brands including Vikotherm®, Vikodeck® and Elastopipe™, Vipo's operation in Krokstadelva, Norway continues to provide innovative solutions to a variety of industries.

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