

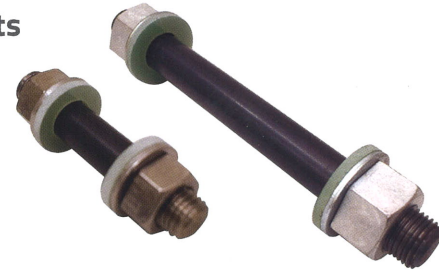
PILLAR AC Bolts & Gasket

ピラーAC絶縁ボルト & 絶縁ガスケット

The insulating bolt is a functional part indispensable to insulating pipe flange used for positive prevention of gas / oil / city water pipeline from electrical corrosion as well as electrical corrosion generated due to electrical potential difference between dissimilar metals. Since the hard PILAFLO is lined firmly on the PILLAR AC Bolts body, it can assure the excellent insulation performance and stabilized corrosion/weather resisting performance.

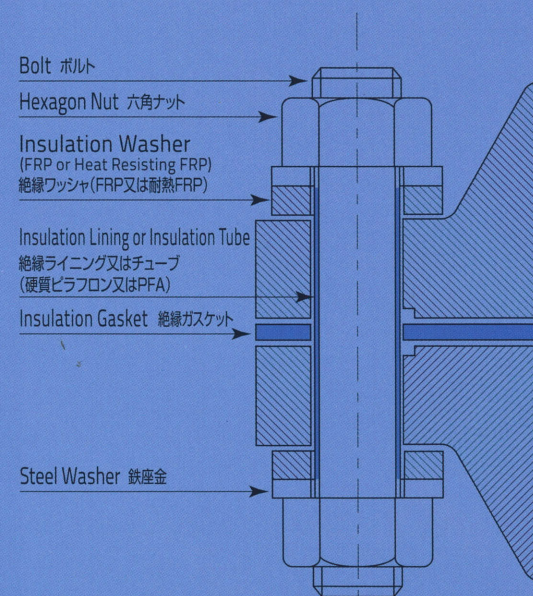
絶縁ボルトは、ガス、石油、水道パイプラインの積極的電気防食や、異種金属間の電位差で発生する電食作用の防止の為に絶縁管フランジ用として、欠かすことの出来ない機能部品です。ピラー絶縁ボルトは、ボルト本体に硬質ピラフロンを強固にライニングしており、高度の絶縁性と安定した耐食性・耐候性を示します。

PILLAR AC Bolts
ピラーAC絶縁ボルト



Structural Features

構造



- (a) PILAFLO®-PVdF securely lined on a bolt offers extremely high electric insulation resistance and stable corrosion-resistance and weather-proof features. (PFA tube for high temperature use)
- (b) The standard material of insulation washers is FRP. (Heat Resisting FRP for high temperature use)
- (c) Bolts are manufactured according to the standards of ANSI and JIS.
- (d) Metal components are processed with rust prevention or galvanized treatment.

- (a) ボルトに強固にライニングされた硬質ピラフロン(高温用はPFAチューブ)は、高度の絶縁性と安定した耐食性・耐候性を示します。
- (b) 絶縁ワッシャは、FRP材(高温用は耐熱FRP)を標準材質といたします。
- (c) ボルト規格はANSI及びJISに基づくもので、ネジ規格はANSIユニファインネジ、JISメートルネジを使用しています。
- (d) 常温用ボルトは、硬質ピラフロン・金属SS400は電気亜鉛メッキ処理。高温用ボルトは、PFAチューブ・金属SNB7は防錆処理を行っています。

Application example

使用箇所

1 Pipe lines for city gas, running water works and others 都市ガス・水道その他のパイプライン



3 Marine Installations 船舶

Ballast lines.
バラストラインに



2 Public Works and Utilities 公共施設

Port and harbor facilities, tunnels, sub-ways, bridges, etc.
港湾、トンネル、地下鉄、橋梁など



4 Production and Refinery Plants プラント

Seawater piping, condensers, tanks, heat exchangers, hot water boilers, aerating equipment, etc., in power plants, iron works and petroleum plants.
発電所・製鉄所・石油プラント内の海水管、暖水器、タンク、熱交換機、温水ボイラー、酸素装置など



Features

特徴

Normally, the clearance between bolt and bolt hole of flanges ranges from 2 mm to 3 mm. However, if insulation sleeve is applied to an ordinary bolt as was often attempted conventionally, the available clearance for insulation material is unjustifiably small. When bolt holes on the matching flanges are not properly aligned, insertion work of insulation sleeve is extremely difficult, and often resulted in fractured sleeve.

PILLAR AC Bolts give exceptional impact strength that has never been achieved by any other resin material of similar application, and thus they are absolutely free from undue cracks and fracture in the course of fixing operation.

The Insulation Lining portion of the PILLAR AC Bolts is designed to have the same diameter as the effective diameter of the thread of the bolt. As a result, the outside diameter of the insulation lining is always smaller than the full diameter of the external thread of the bolt thus permitting easy insertion work.

Insulation Gaskets 絶縁ガスケット

Gaskets best suited to each application is open to user's discretion where selection can be made from more than ten types of gaskets by referring to the specified fluid pressure and other technical data.

10余種のカスケットより、流体の圧力等の仕様により、最適のカスケットを選定させていただきます。

Product catalog and technical data are available on request.
専用のカタログ、資料をご要求ください。

