PILLAR AC Bolts & Gasket

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 the electrical potential difference between dissimilar metals. Since the hard PILLAFON is lined firmly on the PILLAR AC Bolts body, it can ensure excellent insulation performance and stabilized corrosion/weather resisting performance.

Structural Features

(a) PILLAFON®-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. (Heating Resisting FRP for high temperature use)

(c) Bolt manufacturing standards are ANSI and JIS. (Heat Resisting FRP for high temperature use)

(d) Metal components are processed with rust prevention or galvanized treatment.

Features

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

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.