



Gauge Hatch Specification

1.Summarize:

It is a special accessory for measuring the height of oil level in tank and sampling oil. There is one on the top of each tank, mostly near the ladder platform. The diameter of the measuring hole is 468 inch. It is equipped with a sealed hole cover and a tightening bolt. In order to prevent sparks from colliding with iron when the hole cover is closed, an oil-resistant rubber pad is embedded in the sealing groove of the hole cover. Because the steel tape used for measuring is easy to produce sparks by friction at the contact outlet, copper (or aluminium) sleeves are inserted inside the bore pipe or non-ferrous metal guide grooves (ruler grooves) which do not generate sparks are installed outside the fixed measuring points.

2.Function:

In order to ensure that the measurement error is reduced by lowering the ruler along the same position every time when measuring oil, a guide groove of aluminum or copper is installed on one side of the inner wall of the oil measuring hole. There should be no welding seam on the bottom plate of oil tank under the oil measuring hole. If necessary, a measuring datum plate can be welded there to reduce the relative error of each measurement. Oil tank fires often occur in the position of measuring holes. The main reason is that oil and gas rush out from the tank when the hole cover is opened during the measuring operation. If electrostatic sparks or impact friction sparks occur, the oil and gas will ignite.

3. Type and Material:

1)Pedal Type:



2) Rotary Type:



3) Environmental Type:



3.Material :WCB、 304、 316、 316L、 Aluminum

4.Acceptance criteria: SY/T 0511.9-2010

5.Maintenance: Maintenance of Gauge Hatch is often opened and closed, which is easy to be damaged and air leakage occurs, so its tightness should be regularly identified. During identification, apply a thin layer of paint on the edge of the hole, gently cover the hole cover, and apply a certain amount of force by hand. If there are obvious and complete marks on the gasket, it can be regarded as qualified. If the marks are incomplete, it means that the hole cover is not tight, and the gasket should be replaced.