

SEALING GASKET

ABSTRACT

The present application relates to a sealing gasket suitable for use in a device in which a fluid medium is transmitted. The sealing gasket defines an axis and comprises: a metal skeleton and a non-metal sealing layer covered on two axial end faces of the metal skeleton. The metal skeleton comprises: a base being straight in the cross section and having a first center line orthogonal to the axis; and two groups of annular tooth plates each comprising an inclined segment and a curved segment, the inclined segment being straight in the cross section and having a second center line being inclined oppositely to a direction of the medium pressure with an angle in a range from 15° to 50° to the axis, and the curved segment being curved toward the base in the cross section and having a third center line with at least one radius of curvature in a range from 1 mm to 4 mm; and at least one pair of annular bosses having an axial spacing between their vertices facing away from the base that is 60 % - 90 % of the axial thickness of the sealing gasket. The sealing gasket is safe in use, durable and has a stable sealing performance.

FIG. 6