

A face sealing has a housing, a bushing, a shaft, a rotating and non-rotating sealing rings, which are in contact with each other over the flat friction surface. On the friction surface of rotating ring a circular groove is provided, this one at the side of the base is connected with axial channels with conical, arranged in radii, cavities; those are connected with the sealed cavity and separated from it by balls, by means of plate springs fixed on the outer surface of rotating sealing ring. On the surfaces of friction rings circular grooves are provided, those are of semi-round cross-section and arranged in such a way that in assemblage a torus-like cavity is formed, into it a hollow, cut along the side surface, along the circular axis that is normal to cross-section, torus-like ring is installed; this one is in contact with the friction rings along the surface of the cavity. Outer diameter of the cross-section of the cut along the side surface, along the circular axis that is normal to cross-section, torus-like ring before installation is larger than the diameter of the cross-section of the torus-like cavity.