PLANISTEEL CAMPROFILE CONVEX

Composition

- Grooved metal core in stainless steel or special alloys.
- Convex profile in NR, IR and LR configurations.
- Filler layers such as graphite, PTFE, or mica.



Characteristics

Convex Camprofile gaskets consist of a metal core with a convex profile, machined with concentric grooves on both surfaces. This specific geometry ensures excellent load distribution and high mechanical strength, minimizing the risk of damage to the flange sealing surfaces.

Unlike standard Camprofile gaskets, the convex design allows better adaptability to flange surfaces, reducing the risk of leakage. This profile helps compensate for small irregularities in the mating surfaces.

According to EN 1514-6 classification, Planisteel Camprofile gaskets can be manufactured without an outer ring (NR), with an integral inner ring (IR), or with a loose outer ring (LR). The material of the loose centering ring may be carbon steel.

Applications

Camprofile Convex gaskets are primarily used in equipment subjected to significant variations in pressure and temperature, which can stress the flanged joint during operation. The temperatures at which the Camprofile Convex can be used depend on the choice of core material and filler coating, for pressure ratings ranging from class 150 up to 2500 psi (or their metric standard equivalents). Graphite cannot be used for services involving oxidizing fluids.

Planisteel Camprofile Convex

Camprofile Convex gaskets are a type of metal gasket designed to ensure high sealing performance in critical industrial applications. They are a variant of Camprofile gaskets, characterized by a convex profile that improves contact pressure distribution and optimizes performance.

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CARRARA® GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it