

Kammprofile Gasket Product Range

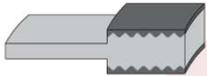


Description: 3S - Kammprofile gaskets are manufactured with the best practices utilizing the latest manufacturing technology. This style is the preferred gasket choice to maintain a tight seal for heat exchangers, pressure vessels, and other equipment that are subjected to excessive thermal cycling. Kammprofile gaskets are constructed with concentrically serrated solid metal core faced on both sides with a flexible sealing material. These are commonly specified to improve performance where lower gasket seating stresses are required for an effective seal. This design limits the movement of the sealing material within the serrations while the solid metal core provides blowout resistance and firmness for ease of installation.

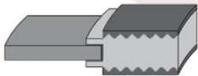
Styles:



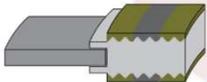
KP-1 is constructed with solid serrated core only for use in confined spaces, male and female, tongue and groove, or recessed flange compositions. These are most commonly found in heat exchanger flanges as upgrade from double jacketed or solid metal where lower bolt load is required



KP-2 is fabricated similar to KP-1, except with an integral outer guide ring to assist in proper alignment on flange facing. This gasket is recommended for raised face or flat face mating flanges



KP-3 is very similar to our KP-2 with minor difference of utilizing a loose-fitting guide ring for alignment. This design is used in place of KP-2 where thermal expansion is encountered



KP-1-2 & 3 are all available with our HTG sealing layers, the inner section of the sealing element is mica, the middle section is APX2 Graphite, the outer section again is mica. The mica inner and outer sealing rings act as an oxidation shield for the APX2. Enabling this design to operate up to a maximum temperature of 1500 Deg F (815 Deg C).



Gasket Properties (All Styles)	
m	2
y	2500 psi

Maximum Temperature (Filler)	
3S Inhibited Graphite	850°F (454°C)
APX2 Graphite	975°F (524°C)
PTFE	500°F (260°C)
Mica	1800°F (982°C)
Mica/APX2/Mica (HTG)	1500°F (815°C)
Ceramic	2000°F (1093°C)
Maximum Temperature (Alloys)	
304 / 304L SS	1400°F (760°C)
316 SS	1400°F (760°C)
316L SS	1400°F (760°C)
321 SS	1500°F (815°C)
347 SS	1500°F (815°C)
Monel	1500°F (815°C)
Inconel 600	2000°F (1093°C)
Carbon Steel	900°F (482°C)

All 3S Kammprofile Gaskets have full material traceability through the MTR # etched on the guide ring, where the MTR can be retrieved through the 3S website