PHOENIX

Kammprofile Gasket **Technical Datasheet**

Description

Phoenix Kammprofile gaskets comprise a concentrically grooved metal core with a thin layer of sealing material applied to each face. The soft sealing layer compresses into the grooves of the core and provides a high integrity seal, while the core imparts compressive strength and resistance to lateral flow of the layer material

Application

Kammprofiles are suited to high temperature and high pressure systems making them ideal for heat exchanger service. Their unique combination of soft sealing material and grooved core also makes them suitable for relatively lightly loaded flanges. They can be used across the full range of flange classes as well as in non-standard applications.

Profiles

PM-P1 Parallel Core. Integral centring ring for use with raised face or flat face flanges.

PM-P2 Parallel Core. No centring ring for recessed flange arrangements e.g. tongue and groove flanges.

PM-P3 Parallel Core. Loose centring ring for to accommodate thermal differentials across the flange.

PM-C1 Convex Core. Integral centring ring for use with raised face or flat face flanges.

PM-C2 Convex Core. No centring ring for recessed flange arrangements e.g. tongue and groove flanges.

PM-C3 Convex Core. Loose centring ring for to accommodate thermal differentials across the flange.

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statue or otherwise. Any technical co-operation is given for customers assistance only and without liability on the part of the company.

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Core Materials

316L supplied as standard, other materials on request

Material	Material
Carbon Steel	Alloy 600
304/304L	Alloy 625
316/316L	Alloy 800
321	Alloy 825
347	Monel 400
410	Alloy B2
S31803	Alloy C276
S32726	Titanium

Flange Surface Finish

The recommended a flange surface finish of 3.2 to 6.4µm RA (125 to 200RMS)

Layer Materials

Graphite supplied as standard, other materials on request

Material	Temperature Min. (°C)	Temperature Max. (°C)	Pressure Max. (Bar)
Graphite	-200	450	400
APX2 Graphite	-200	500	400
PTFE	-200	260	150
PG-Therm + APX2 Graphite	-30	800	150
PG-Therm	-30	1000	20
Silver	-200	750	250

Availability

Core Thickness 3mm for standard core PM-P1, PM-P2, PM-P3
4mm for convex core PM-C1, PM-C2, PM-C3
Larger gaskets may required thickness cores

Standards ASME B16.20, ASME B16.47 Series A & B, EN1514-2, BS10, JIS

Non standard configurations and bespoke

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