

LAMONS CORRUKAMM™ PRODUCT FAMILY

The Lamons CorruKamm™ resembles a typical kammprofiled sealing element in that it utilizes a heavy substrate capable of extreme load bearing properties. The dramatic feature that this design incorporates is a precisely located corrugated pattern which greatly enhances the ability to deflect and compress under load. This creates a scenario in which the gasket will be more forgiving where perfect alignment and parallelism do not exist.

The base core material is very thick and resembles what is used with traditional kammprofile technology. This added substrate thickness, with an exacting corrugated pattern allows the gasket to recover substantially and maintain very stable load bearing characteristics. A kammprofile incorporates a specific serration pattern on both sealing surfaces that do not relate in any way to the opposing sides. The CorruKamm™ technology utilizes a geometry on the sealing surface that is machined rather than formed. These corrugation profiles are strategically aligned so that deflection can occur and maximum resilience and recovery can be achieved.

Lamons CorruKamm™ technology is a revolutionary new design that provides the benefits of a kammprofile technology with the additional attribute of recovery that is desired to offset flange relaxation and unloading. It combines the proven concepts of a kammprofile and a corrugated design.

The result eliminates many of the deficiencies found in both designs while consolidating the benefits. A machined profile, not formed, allows for a correcting alternated geometry, strategically indexed and aligned so that deflection occurs. The result is maximum stability, recovery, resiliency, deflection and conformance.



CORRUKAMM™ CK1

Lamons Corrugated Metal Gasket (CMG) is manufactured without a guide ring for tongue and groove, or recessed flange applications such as male and female. It is typically used in heat exchanger applications and applied as an upgrade to double jacketed gaskets. It is highly suggested to have the nubbin (if present) machined out as a best practice. Where pass partitions are required, they are also kamm profiled and laminated. They are the same thickness as the ring, and securely held in place with welds.



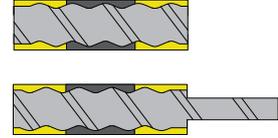
CORRUKAMM™ CK2

Lamons CMG-EX gasket is constructed with an integral guide ring for aligning purposes. It is suggested to be used in raised face flanges. The gasket is typically designed and sized per EN12560-6 spec for ASME B16.5 flanges, but can be manufactured to fit other standards.



CORRUKAMM™ HTG

Lamons CMG-PTFE gasket is a problem solver for higher operating temperature scenarios. It utilizes sections of high performance mica/ phyllosilicate that protect oxidation resistant grade graphite and shields it from contact with oxidizers. It represents the best technology available in regards to torque retention and sealing ability at elevated temperatures. Lamons CMG-PTFE gaskets can be applied to high temperature applications to 1500°F (850°C) or higher, depending on operating conditions.



CORRUKAMM™ PTFE

Lamons CMG-EX gasket is a premium variation of Lamons original CMG gasket. The CMG-EX was designed specifically for heat exchanger applications and provides superior performance in cyclic applications and where a high level of radial shear is present. Differential movement between flanges can cause tremendous relaxation issues on traditional heat exchanger gaskets. This problem is addressed in the design of the CMG-EX gasket, as it maintains a highest degree of tightness through operation and the full cycle event.

