



# Kammprofile Gaskets

**UKL KAMMPROFILE Gaskets** comprise of metal core with concentric grooves on either side with a soft layer of sealing material bonded to both grooved faces.

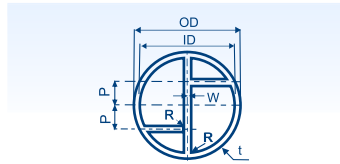
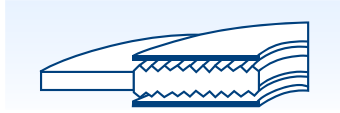
*The serrated metallic core is very effective in sealing high temperature/high pressures and fluctuating conditions.*

*The layers protect the flange surface from damage in addition to providing an effective seal.*

**UKL KAMMPROFILE Gaskets** are specially designed and suitable for light & heavy designed flanges. The serrated metal core can be reused, subject to inspection after cleaning and re-layering.

**Advantages of Kamprofile gaskets are:**

- Seals pressures up to 250 bar.
- Suitable for temperature up to 1000°C – dependent on core and layer materials used.
- Maintain effective sealing performance in varying temperature and pressure conditions.
- Easy to remove without damage to flange surfaces.
- Adaptable to suit existing arrangements, without modification.
- Less sensitive to assembly faults (inaccurate bolt tensioning)
- Reduces maintenance cost & leakage.



### Gasket profiles

**Type A :** Parallel root core for use in confined locations including male & female, tongue & groove and recessed flange arrangements.

**Type B :** Parallel root core with integral centering ring suitable for raised face and flat face flanges.

**Type C :** Parallel root core with loose fitting centering ring which reduces the possibility of damage to the core as a result of mechanical and thermal shock.

**Type D :** Convex root core ensures the highest contact pressure is in the middle of the profile and excellent flow of soft sealing layer into the flange surface.

**Type E :** Parallel root core with pass partition bars are suitable for TEMA male & female as well as tongue & groove flanges of Heat exchangers.

### Manufacturing Parameters

Metal Core Thickness – 3 mm or 4 mm  
Covering layers Thickness - 0.5 mm  
(Other thicknesses can also be supplied)  
Cam pitch – 1mm or 1.5mm (DIN)  
Max.groove depth -0.5mm or 0.75mm (DIN)  
Integral Centering ring Thickness - 2.0mm  
Floating Centering ring Thickness – 0.5mm to 1.5mm

#### Range:

- 15mmNB to 600mmNB to suit ASME/ANSI B16.5- 150# to 2500#
- 10mmDN to 1400mmDN to suit DIN 2697 PN 10 to PN 400
- Non-Std: As per Customer requirement: 10mm to 3000mm
- Heat Exchanger application with all type of pass partition bar configuration.

**Pass partition bars, wherever required, are provided in welded pass bar construction only.**  
With a welded pass Partition bar arrangement the fluid is retained by the primary seal at the inner diameter of the gasket. The welded construction of the bars results in two independent seals: The primary seal at the inner diameter and the secondary seal at the outer diameter. Thus the primary seal maintains its function, providing a seal of higher integrity. Many standard bar configurations are available, special configurations on request.

#### Standard materials:

**Metal core:** CS/SS304/SS316L/SS321/SS347. **Soft Facing Material:** Graphite/CAF/PTFE. (Exotic material also available upon request)

Also available :  **KLINGER** / **UKL** Fluid Sealing Division:

Compressed Absestos Gasket Sheeting, UNISIL Compressed Non-Absestos Gasket Sheeting Full Range of Cut Gaskets, Metal Jacketed Heat Exchanger Gaskets, Non-Asbestos Gland Packing, Spiral Wound Gaskets & all types of PTFE Gaskets

Fluid Control Division:

PISTON VALVES - Seatless & Glandless, Forged Piston Valves  
STEAM TRAPS - Thermodynamic, IBT, Ball Float, Thermostatic  
MANUAL & ACTUATED BALL & BUTTERFLY VALVES  
STRAINERS 'Y' Type / LEVEL GAUGES - Reflex, Transparent, Bicolor  
BELLOW SEALED VAVLVES

In view of technical progress designs and dimensions are subject to change without notice.



## UNI KLINGER LIMITED

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## HARSH ENGINEERING SALES & SERVICE PVT. LTD

Only Authorized Dealers for UNI KLINGER products, Telangana

Add: 2-3-692/22/13 Lal Bagh, Zinda Tilismath Road, Ganga Nagar, Amberpet, Hyderabad - 500013  
Tel: +91-40-2740 3329 | Website: harsh-engineering.com | E-mail: sales@harsh-engineering.com