

Kammprofile Gaskets

**CANFLEX®**



**FLUID CONTAINMENT  
SPECIALISTS SINCE 1967**

# CANFLEX® KAMMPROFILE

## Kammprofile CANFLEX®

Combines all of the desirable qualities of a solid metal gasket with the added advantages of a reduced area of contact.

Manufactured from solid metal, CANFLEX® Kammprofile gaskets combine all of the desirable qualities of a solid metal gasket with the added advantages of a reduced area of contact, resulting in lower stress values required to achieve a seal. As a standard, flexible graphite is bonded to each face due to its superior sealing characteristics. Other metallurgies and soft gasket sealing materials are available in order to accommodate specific chemical and temperature service requirements.



ISO 9001  
QMS-SAI Global

A.R. Thomson Group Inc. operates a quality management system which complies with the requirements of ISO 9001.

### CANFLEX® Kammprofile Selection Guide

CANFLEX® Kammprofile Styles		
Style 942 A		
Style 942 AR		
Style 942 AR2		
Gasket Factor	"M" = 2.0	"Y" (psi) = 2,500

Important Note: Product specifications shown are typical. For specific application recommendations please consult your local A.R. Thomson Group Inc. representative. Failure to select proper sealing products could result in property damage and/or serious personal injury. A.R. Thomson Group Inc. is not liable for consequential damages resulting from misuse or implied suitability for any service. Specifications are subject to change without notice.

#### Style 942 A

Standard construction Kammprofile gasket consisting of a solid grooved metallic core. Style 942 A is often chosen as a replacement for double-jacketed gaskets in conventional heat exchanger applications. Kammprofile material, thickness and seal facing can be chosen to suit specific service requirements.



#### Style 942 AR

Integral centering ring ensures correct gasket positioning on mating flanges. Often used on standard pipe flanges in applications up to 2500#.

#### Style 942 AR2

Floating centering ring allows for expansion and contraction in applications where thermo-cycling is prevalent. Often used on standard pipe flanges in applications up to 2500#.





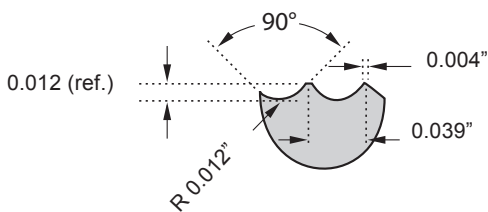
## CANFLEX® Material Options

Core Material	Temperature Limits	
304SS	1400°F	760°C
316SS	1400°F	760°C
317SS	1400°F	760°C
321SS	1400°F	760°C
347SS	1700°F	925°C
Carbon Steel	1000°F	540°C
Alloy 20	1400°F	760°C
HASTELLOY® B2	2000°F	1090°C
Hastelloy® C276	2000°F	1090°C
Incoloy® 800/825	1600°F	870°C
Inconel® 600/625	2000°F	1090°C
Inconel® X750	2000°F	1090°C
Monel® 400	1500°F	820°C
Nickel 200	1400°F	760°C
Titanium	2000°F	1090°C

Sealing Material	Temperature Limits	
Flexible Graphite	950°F	510°C
PTFE	500°F	260°C
EPTFE	600°F	325°C
CANFLEX® High Temp	1850°F	1000°C

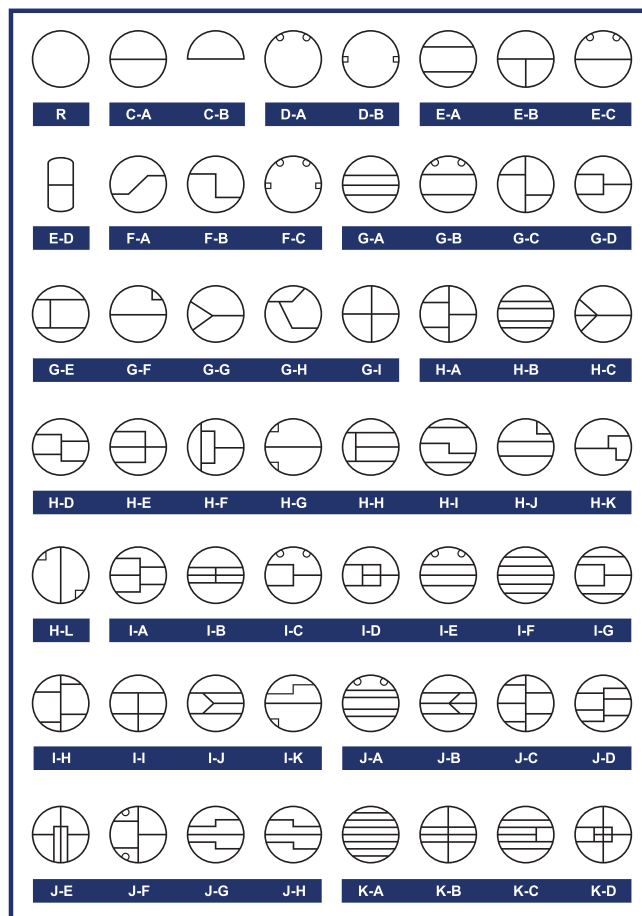
- Standard pipe flange applications from 1/2" to 24"
- B16.47 Series A & B configurations  
\*also available upon request
- Custom heat exchanger application up to 157" OD
- Custom thicknesses from .100" to .250" thick
- 1pc up to 60", segmented if >60"

## Kammprofile Core Dimensions



Limitation of liability: actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group Inc. does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.

## Heat Exchanger Gasket Configurations



## CANFLEX® Kammprofile Ordering Information

Please specify the following information when ordering CANFLEX® Kammprofile gaskets:

- Style Number
- Metal core and sealing element material
- Standard B16.5 flanges: Pipe class, size and thickness
- Heat exchangers: OD, ID, thickness and configuration (see heat exchanger chart)



Locations across Canada to serve you. For your nearest branch, please visit: [www.arthomson.com](http://www.arthomson.com)

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## Other Products



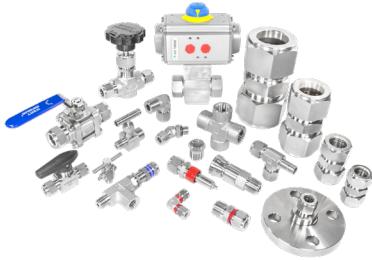
### MECHANICAL SEALS

Advanced cartridge and component seals for pumps, mixers, compressors and other rotating equipment. Seal replacements for major brands such as John Crane, Flowserve, AES and more.



### FASTENERS

All thread studs – ASTM 193 Grade B7, B7M, B8, B8M, B16, ASTM A320 L7, L7M; heavy hex nuts – ASTM A194 Grade 2H, 2HM, 4, L7, L7M, 8 and 8M; Through hardened washers – ASTM F-436; custom coatings; specialty fabricated and machined studs; CANFLEX® approved thread lubricant.



### SUPERLOK CANADA

Instrumentation Tube, Pipe, JIC and DIN Fittings. Instrumentation Ball, Bleed, Check, Double Block and Bleed, Needle, Plug, and Purge Relief Valves. Quick Connects and Filters. Flexible Metal Hose, Tubing and Accessories.



### NON-METALLIC GASKETS

Thomson Performance Sealing (TSP) and gaskets fabricated from all types of sheet material including compressed cork, cork/rubber blends, gasket types, Teflon™, Garlock®, Gore®, all rubber materials, Thomson Multipac™ and Flexible Graphite.



The A.R. Thomson Group Inc. was established in 1967 as a regional manufacturer & distributor of gaskets and other fluid containment products. With the rapid growth of oil and gas production, petrochemical, oil refining and pulp and paper industries, our manufacturing facilities expanded to meet increased demand for these products. Since 1967, we have developed our expertise and know-how to become the leader in solving fluid containment problems. No matter what your containment needs are, we can help.



Fluid Containment Specialists Since 1967