

# SALMARCON®

We make it seal!

HIGH QUALITY  
SEALING SOLUTIONS



GASKET  
SHEETS



RUBBER  
PRODUCTS



NUTS &  
BOLTS

[www.salmarcon.com](http://www.salmarcon.com)

# ABOUT SALMARCON

Established in 2012, as a private owned company, we since have proved to be a successful growing story. Salmarcon started in the last quarter of 2021 Romanian operations. We are specialist in the manufacturing and supply of high-quality industrial sealing products, fluid control, gaskets, bolts, nuts, stud bolts, washers and associated services in Turkey. We are more than 100 employees in a 15.000m<sup>2</sup> active area located in Canakkale.

## Expert sealing solutions

With a mix of world class products and knowledgeable people we quickly attracted big clients.

Ever since we have proven worthy of the trust, and we have turned into one of the top players of the Turkish gasket industry as well as having entered European supply chains.

## The Salmarcon way

We are committed to establishing long lasting partnerships built on trust and the responsibility to give our partners the best, by offering them a wide range of quality solutions and applications and reliably implementing them in the most efficient way.

## A true asset

A deep understanding of each customer with a strong commitment to be building a long-term partnership by offering the best products and solutions built by an extensive experience and knowledge.

## Certified quality

Our products are amongst the most approved and certified ones within the industry. We deliver proven user safety and globally trusted products worldwide.

- EN ISO 9001:2015, ISO 14001:2015 as well as ISO 45001:2018 certified
- TA LUFT
- FIRE SAFE TEST (API 6FB)
- PED 2014/68/EU for gaskets and fasteners
- ASME B16.20 Performance Test on SWG





## Our vision - We are driven by solutions

Salmarcon believes in supreme customer focus. Listening keenly and then using our global presence and experience to provide solutions is what makes us the preferred partner in success stories. We are appreciated for our product portfolio of high quality, our knowledgeable team and experience in supply and technical support.

The people at Salmarcon are curious and personally, involved in making our clients feel in safe hands.



## Our mission - We are building on customer focus

Our biggest asset is the experience we have in building relationships and assuring quality. This generates trust which is embedded in the Salmarcon brand. While sustaining total relationships with existing customers and expanding our presence, we align our business with that of our customers thus becoming a perfect choice for sealing and fastening solutions.



## Our promise - Transforming ideas

Salmarcon produces a wide range of high - quality products. What makes us different is our genuine interest in what our customers really need.

This makes us a true partner in transforming ideas into actions.










## What makes it seal?

The wide range of products and services make Salmarcon a single stop address for our customers' diverse needs. This makes our customers' day to day business easier.

We advise and consult with our customers to give them the confidence to face change and keep their business sustainable and safe.

### Sense of pride, passion and commitment.

#### The forefronts of Salmarcon service

						
<b>ENGINEERING SUPPORT &amp; SERVICES</b>	<b>PRODUCT TESTING</b>	<b>PROPER GASKET SELECTION</b>	<b>CERTIFIED TRAININGS</b>	<b>INSTALLATION SERVICE &amp; SUPPORT</b>	<b>ON-SPOT PROBLEM SOLVING</b>	<b>SHORT LEAD TIMES</b>

## Salmarcon training centre

Partnering with Salmarcon will also grant access to top-technical trainings where Salmarcon share the knowledge customers are asking for to prepare for a smooth tomorrow; especially the correct mounting of seals to ensure the proper function of the seal.



## Industries we serve

Our portfolio, product capabilities and technical knowledge assure we cover a very broad range of industries and technical applications:

- » Steam production & distribution
- » Gas supply
- » Potable water
- » High temperature & pressure applications
- » Petrochemical industry
- » Chemical industry
- » Power plants
- » And many more



## Why Salmarcon?

We are reliable experts, who are committed to our partners around the clock. By being open, flexible and always keeping our promises we establish a closer and lasting connection with our partners.

### Certified sealing solutions

We provide certified, highest quality that also complies with international standards. Our product offerings today already exceed the requirements of those standards in several cases. With our know-how, and international network of proven leading suppliers of raw materials, we can commit to supplying not just products, but tailored state of the art sealing solutions – so that our customers and partners can continue to focus on their core business.

### On time delivery

For us one of the keys to maintaining good customer relationships, is through consistent communication and on-time delivery. Delivering on-time and in-full requires attention to detail through each stage of the production process - not just efficient transportation of the finished product.

For our customers we also fully utilize our warehouse for their security stock as well as we are flexible to assure 24/7 urgency service.

### After sales support

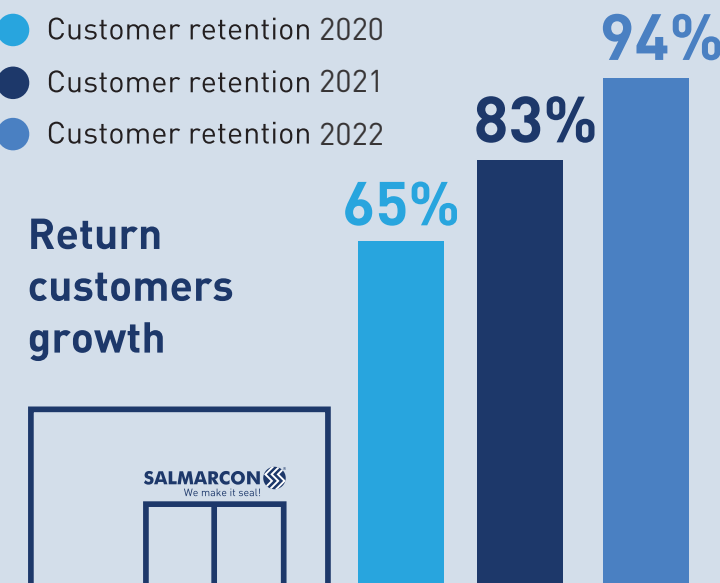
We strive to treat our customers with respect and understanding of their situation.

To assure the happiness of our customers the team as Salmarcon are skilled problem solvers, friendly, showing great empathy, and being very clear and correct in the communication.

## Salmarcon partnership building

- Customer retention 2020
- Customer retention 2021
- Customer retention 2022

**Return customers growth**



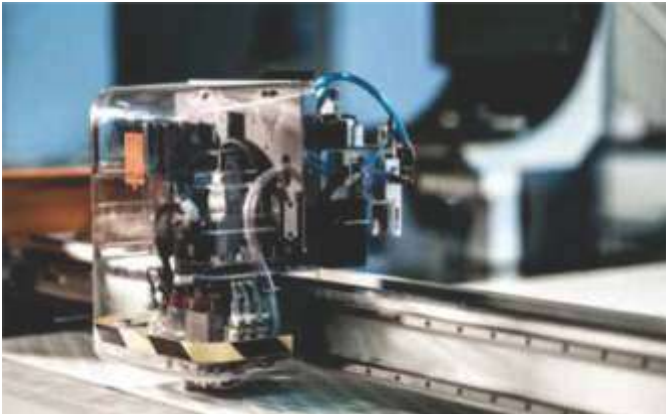
**9 mln. Semi-Metal gaskets supplied in 2022**

**20.000 m<sup>2</sup> of Soft gasket materials cut in 2022**

**500 tonnes of nuts and bolts supplied in 2022**

## Manufacturing capabilities

We are located a little south of Istanbul in an area Canakkale. Our manufacturing area is currently covering 15.000m<sup>2</sup>. To assure top-quality gasket products we constant expand our capabilities and stream our processes to assure immediate reactions.



- » Atom cutter
- » Laser cutting
- » Semi-Automatic Semi-metal production line
- » Powder painting and polishing line
- » Expansion of our welding line
- » Bending line
- » Laser marking and quality control extension



- » Water jet
- » CNC Flash cutters
- » Automatic Spiral wound
- » Camm-profiles and Metal jacket production set
- » A range of welding lines
- » Milling line
- » Eccentric presses
- » Automatic robot welding machine















Our plant is set up by learning from the actual market demands.

We listen to the needs of our customers, and those wishing to become our customer, as well as we are putting a great focus on education of our people. This combination is assuring we always can offer the highest quality of precisely produced products.

## Our portfolio & applications

From the leading manufacturing companies within the gasket and sealing industry we quickly became a trusted partner. our portfolio is built on a range of unique products and solutions fitting the specific needs of our customers. The portfolio is delivering a great supplementation assuring a more simple and fast reacting supply chain of our customers.

### The unique Salmarcon product range

Salmarcon portfolio					
					
<b>Soft sealing material</b>	<b>Semi-metal gaskets</b>	<b>Metal sealings</b>	<b>Bolts &amp; nuts</b>	<b>Insulating kits</b>	<b>Instrumentation</b>
					
<b>Pure PTFE tape</b>	<b>Metal Reinforced NBR</b>	<b>Manhole gaskets</b>	<b>Piping materials</b>	<b>Alloy flanges</b>	<b>Rubber sheets</b>

Our focus is always on ensuring plant safety. No matter if the medium is fluid or gaseous, we see it as our responsibility to deliver high quality solutions assuring smooth working applications.

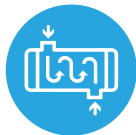
### Our solutions for all applications



Pipes & Flanges



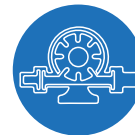
Scrubbers



Heat Exchangers



Food Reactors



Pumps



Compressors



Gas heaters



Steam



Oil + Gas



Chemical



Mining



Petro chemical

**SALMARCON** 



Salmarcon Endüstriyel San. Ve Tic. A.Ş.  
Merkez/Fabrika (Center/Factory):  
Çanakkale Organize Sanayi Bölgesi,  
Karacaören Mevkii ,2. Cadde No.6  
17100 ÇANAKKALE/TÜRKİYE

Satış Ofisi (Sales Office):  
Fahrettin Kerim Gökay Cad.  
Dolmabahçe Sok. Cebeci Apt.B Blok No.21/A  
34732 Göztepe/İSTANBUL/TÜRKİYE



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www.salmarcon.com





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### Expert sealing solutions

With a mix of world class products and knowledgeable people we quickly attracted big clients. Ever since we have proven worthy of the trust, and we have turned into one of the top players of the Turkish gasket industry as well as having entered European supply chains.

### Certified quality

Our products deliver proven user safety.

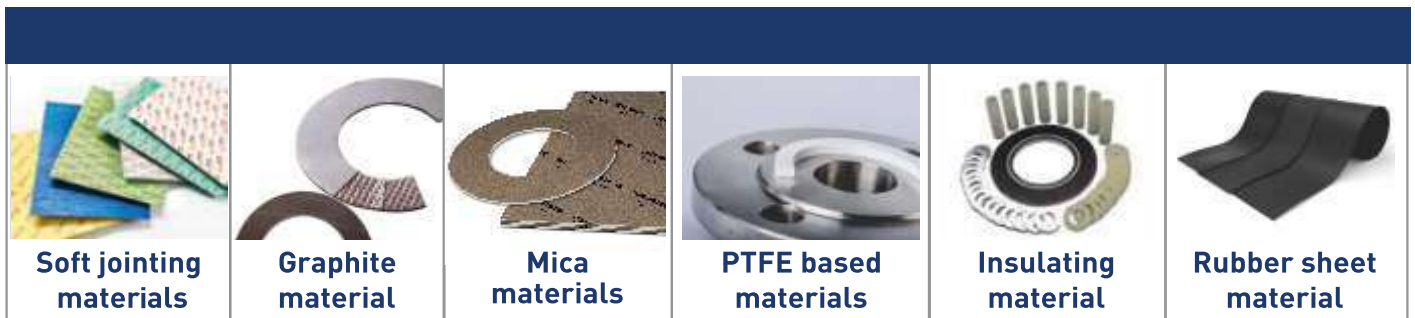
- » Our products are amongst the most approved and certified products within the industry
- » We deliver certified and trusted products worldwide
- » EN ISO 9001:2015, ISO 14001:2015 as well as ISO 45001:2018 certified
- » Best in market certificates & approvals for all our material.

### On time delivery

For us one of the keys to maintaining good customer relationships, is through consistent communication and on-time delivery. Delivering on-time and in-full requires attention to detail through each stage of the production process. Leading into the service of creating a security stock for our customers – This meaning as we are flexible to assure 24/7 urgency service and regular fast supply.

### The unique Salmarcon soft product range

From the leading manufacturing companies within the gasket and sealing industry we quickly became a trusted partner. Our portfolio is built on a range of unique products and solutions fitting the specific needs of our customers.



## Our solutions for all applications



Pipes & Flanges



Scrubbers



Heat Exchangers



Food Reactors



Pumps



Compressors



Gas heaters



Steam



Oil + Gas



Chemical



Mining



Petro chemical

## Manufacturing capabilities

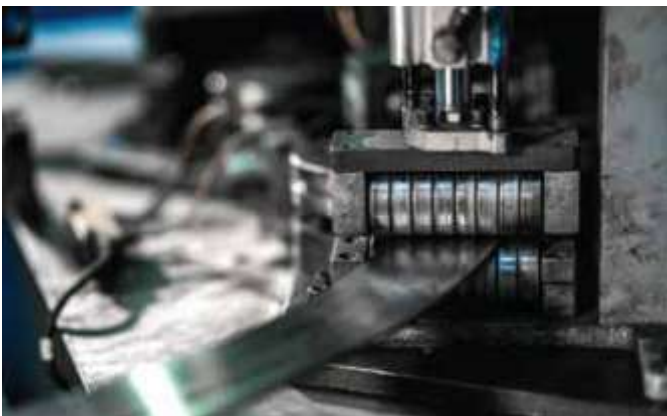
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# KLINGER® soft jointing materials

KLINGER® is our range of calendered rubber based high performance sealing materials. Depending on the specific requirements, it provides excellent resistances (e.g. temperature, mechanical or chemical resistance) in the areas required by the corresponding target industry. Furthermore, KLINGERSIL® is easy to cut, handle and fit.

**Sizes:**

1500 x 1500 mm,  
2000 x 1500 mm

**Thickness:**

(according to DIN 28091-1):  
0.5 mm, 1.0 mm, 1.5 mm,  
2.0 mm, 3.0 mm

**Tolerances:**

Length: ± 50 mm  
Width: ± 50 mm

**Material advantages:**

 Asbestos-free	 Easy to cut, handle & fit	 Free of organic fibers & fillers
 Chemical resistance	 Oxidation and corrosion free	 Anti-stick material

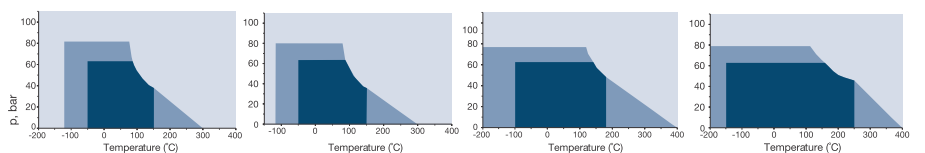
	C-4300	C-4324	C-4400	C-4430
<b>Basis composition</b>	Aramid fibers bonded with NBR.	High-performance fibers, bonded with NBR.	Aramid fibers bonded with NBR.	Optimum combination of synthetic fibers bonded with NBR.
<b>Key features</b>	Universal high-pressure material resistant to hot water, steam, oils, hydrocarbons and other chemicals. Broad application range.	Universal high-pressure gasket material used in liquid and steam applications at lower pressures and temperatures.	Universal gasket material and a synonym for safe and reliable sealing. Its unique matrix makes it resistant to virtually any medium.	Offering excellent stress relaxation, this gasket material is used in hot water and higher-temperature steam applications.
<b>Industry</b>	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Refrigeration.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage.
<b>Certificates &amp; Approvals</b>	DIN-DVGW, DIN-DVGW W 270, Elastomer-Guideline, DNV GL approval, SVGW approval.	DIN-DVGW, Elastomer-Guideline, WRAS approval, DNV GL approval, SVGW approval	BAM-tested, DIN-DVGW, DIN-DVGW W 270, DVGW VP 401, Elastomer-Guideline, ÖVGW, DNV GL, TA-Luft (Clean air), Fire-Safe acc. to DIN EN ISO 10497.	BAM-tested, DIN-DVGW, DIN-DVGW W 270, DVGW VP 401, Elastomer-Guideline, WRAS, DNV GL, TA-Luft (Clean air), Fire-Safe acc. to DIN EN ISO 10497, Fire-Safe acc. to ISO 19921.

**TECHNICAL DATA** Typical values for a thickness of 2.0 mm

Compressibility	ASTM F 36 J	%	14	10	11	9
Recovery	ASTM F 36 J	%	50	55	55	55
Stress relaxation DIN 52913	50 Mpa, 16 h/175°C	Mpa	32	31	37	39
	50 Mpa, 16 h/300°C	Mpa	20	20	25	35
Stress relaxation BS 7531	40 Mpa, 16 h/300°C	Mpa	23	23	25	31
KLINGER cold/hot compression 50 MPa	thickness decrease at 23°C	%	10	10	10	8
	thickness decrease at 300°C	%	22	25	20	11
Tightness	DIN 28090-2	mg/(s x m)	0.03	0.03	0.02	0.05
Specific leakrate	VDI 2440	mbar x l/(s x m)			1.64E-08	2.13E-06
Thickness increase after fluid immersion ASTM F 146	dI IFM 903: 5 h/150°C	%	5	5	3	3
	fuel B: 5 h/23°C	%	10	10	5	5
Density		g/cm³	1.6	1.85	1.6	1.8
Average surface resistance	pO	Ω	2.2x10E12	1.04x10E13	1.4x10E12	4.1x10E13
Average specific volume resistance	pD	Ω cm	1.2x10E12	4.3x10E11	1.2x10E12	4.5x10E12
Average dielectric strength	Ed	kV/mm	10	12	21.6	21.3
Average dielectric coefficient	50 Hz	er	7.4	9	9.2	6.7
Thermal conductivity	λ	W/mK	0.39	0.50	0.42	0.38
Classification acc. to BS 7531:2006	Grade Y					
ASME-Code sealing factors for gasket thickness 2.0 mm	tightness class 0.1mg/s x m	Mpa	y15	y15	y15	y20
		m	m 3.0	m 2.6	m 1.6	m 1.6

The area of the **P-T diagram**

- In area one, the gasket material is normally suitable subject to chemical compatibility.
- In area two, the gasket material may be suitable but a technical evaluation is recommended.
- In area three, do not install the gasket without a technical evaluation. Always refer to the chemical resistance of the gasket to the media.



# KLINGER® soft jointing materials

**Sizes:**

1500 x 1500 mm,  
2000 x 1500 mm




**Thickness:**

(according to DIN 28091-1):  
0.5 mm, 1.0 mm, 1.5 mm,  
2.0 mm, 3.0 mm

**Tolerances:**

Length: ± 50 mm  
Width: ± 50 mm

**Material advantages:**

 Asbestos-free	 Easy to cut, handle & fit	 Free of organic fibers & fillers
 Chemical resistance	 Oxidation and corrosion free	 Anti-stick material

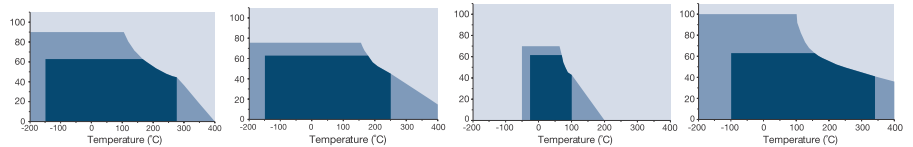
	C-4430plus	C-4500	C-8200	Quantum
<b>Basis composition</b>	Optimum combination of synthetic fibers bonded with NBR.	Carbon fibers & special heat-resistant additives bonded with NBR.	Glass fibers bonded with special acid resistant elastomers.	Synthetic fibres bonded with HNBR.
<b>Key features</b>	This material provides industry-leading stress relaxation and outstanding resistance to hot water and steam at higher temperatures.	This superior-performance gasket material has been designed specifically for the chemical industry. Broad medium	This premium high-pressure gasket primarily used in tandem with highly concentrated acids. Wide media resistance & versatility.	High-quality fiber and filler compounds bonded in an HNBR matrix ensures greatest flexibility at high temperatures.
<b>Industry</b>	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage.	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma
<b>Certificates &amp; Approvals</b>	BAM-tested, DIN-DVGW, DIN-DVGW W 270, Elastomer-Guideline, WRAS approval, TA-Luft (Clean air), Fire-Safe acc. to DIN EN ISO 10497.	BAM-tested, DIN-DVGW, DIN-DVGW W 270, Elastomer-Guideline, ÖVGW, DNV GL approval, TA-Luft (Clean air), Fire-Safe acc. to DIN EN ISO 10497.	German Lloyd, TA-Luft (Clean air).	BAM-tested, DIN-DVGW, TA-Luft (Clean air), Fire-Safe acc. DIN EN ISO 10497, FDA conformity.

**TECHNICAL DATA** Typical values for a thickness of 2.0 mm

Compressibility	ASTM F 36 J	%	9	11	9	10
Recovery	ASTM F 36 J	%	55	60	55	50
Stress relaxation DIN 52913	50 Mpa, 16 h/175°C	Mpa	39	38		32
	50 Mpa, 16 h/300°C	Mpa	35	30		30
Stress relaxation BS 7531	40 Mpa, 16 h/300°C	Mpa	31	30		29
KLINGER cold/hot compression 50 MPa	thickness decrease at 23°C	%	8	10	7	10
	thickness decrease at 300°C	%	11	15	15	14/20
Tightness	DIN 28090-2	mg/(s x m)	0.05	0.05		0.02
Specific leakrate	VDI 2440	mbar x l/(s x m)	2.9E-06	4.94E-08	9.17E-09	4.4E-08
Thickness increase after fluid immersion ASTM F 146	oil FM 903: 5 h/150°C	%	3	3	5	3
	fuel B: 5 h/23°C	%	5	5	10	5
Density		g/cm³	1.8	1.6	1.7	1.7
Average surface resistance	pO	Ω	4.1x10E13	8.0x10E04	5.8x10E11	7.7x10E12
Average specific volume resistance	pD	Ω cm	4.5x10E13		4.1x10E12	4.7x10E12
Average dielectric strenght	Ed	kV/mm	21.3		17.0	18.5
Average dielectric coefficient	50 Hz	εr	6.7		9.4	6.8
Thermal conductivity	λ	W/mK	0.38			0.44
Classification acc. to BS 7531:2006	Grade AX					
ASME-Code sealing factors for gasket thickness 2.0 mm	tightness class 0.1mg/s x m	Mpa	y20		y20	y15
			m 1.6		m 3.0	m 2.5

The area of the **P-T diagram**

- In area one, the gasket material is normally suitable subject to chemical compatibility.
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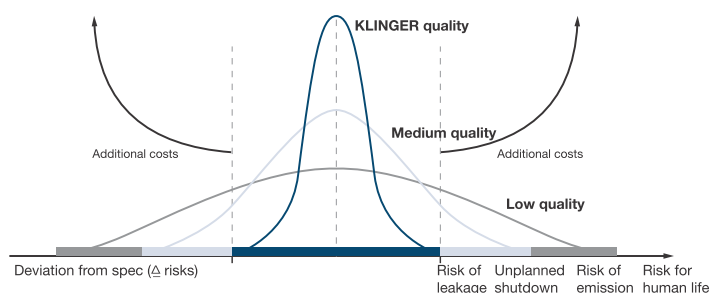


**Choosing KLINGERSIL® will improve Total Cost of Ownership**

Our consistent high quality KLINGERSIL® products assure:

- More safety
- Longer lifetime
- High reliability
- Less downtime
- Less emissions

All leading to an overall lowered usage of resources in any given plant.



# KLINGER® top-chem

KLINGER top-chem range provides the characteristics required by their target industries.

**Sizes:**

1250x1250 mm,  
1500x1500 mm

**Thickness (DIN 28091-1):**

1.0 mm, 1.5 mm,  
2.0 mm, 3.0 mm

**Tolerances:**

Thickness ± 5%  
Length ± 5 mm  
Width ± 5 mm

**top-chem 2000**

**top-chem 2003**

**top-chem 2005**

**top-chem 2006**

**soft-chem**



<b>Basis composition</b>	PTFE gasket filled with Silicon carbide.	PTFE filled with hollow glass-microspheres.	PTFE filled with inorganic fillers.	PTFE filled with barium sulfate.	Multi-directional expanded PTFE.
<b>Key features</b>	The only PTFE Fire Safe certificate gasket. Acidic & alkaline resistance and versatility in steam & oxygen.	Ideal material choice for strongly acidic and alkaline applications as well as for medium temperatures and loads.	Material offers a high chemical resistance in acidic applications, making it ideal for the chemical industry.	Great sealing performance at medium to low temperatures. Primarily used in the chemical industry.	Soft-chem's superior sealing capabilities represent the best choice for operating conditions of up to 260 C.
<b>Industry</b>	General, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma.	General industry, Chemical, Oil & Gas, Energy, Infrastructure, Pulp & Paper, Marine, Automotive, Food & Beverage, Pharma.
<b>Certificates &amp; Approvals</b>	DIN-DVGW, DIN-DVGW W 270, KTW-Guideline, WRAS, DNV GL, TA-Luft (Clean air), Fire-Safe acc. to DIN EN ISO 10497, FDA conform., Regulation (EU) No. 1935/2004*.	BAM tested, DIN-DVGW & W 270, KTW-Guideline, DNV GL, TA-Luft (Clean air), FDA conformity (components comply with requirements), Regulation (EU) No. 1935/2004 (incl. 10/2011).	BAM tested, DIN-DVGW, WRAS, KTW-Guideline, DNV GL, TA-Luft (Clean air), FDA conformity (components comply with requirements), Regulation (EU) No. 1935/2004 (incl. 10/2011).	BAM-tested, DIN-DVGW, DNV GL, TA-Luft (Clean air), FDA Conformity (components comply with the FDA requirements).	Conforms to the regulation (EU) No. 1935/2004 (incl. 10/2011), FDA conformity (components of KLINGER® softchem comply with the FDA requirements).

**Material advantages:**

Chemical resistance

Conformable to surface

Hot water usage

Tightness at low load

No longterm embrittlement

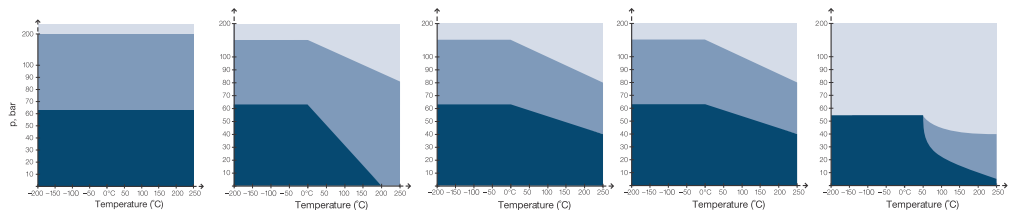
Crush resistance

**TECHNICAL DATA** Typical values for a thickness of 2.0 mm

Compressibility	ASTM F 36 M	%	4	18	4	4	55
Recovery	ASTM F 36 M	%	50	35	40	40	15
Stress relaxation DIN 52913	30 Mpa, 16 h/150°C	Mpa	28	13	25	18	15
KLINGER cold/hot compression 50 MPa	thickness decrease at 23°C	%	5	10	5	12	35
	thickness decrease at 260°C	%	11	39	35	41	30*
Tightness	DIN 28090-2	mg/(s x m)	0.08	0.01	0.02	0.01	0.01
Specific leakrate	VDI 2440	mbar x l/(s x m)	4.46E-06	3.29E-06	8.75E-07	3.60E-06	
Thickness/weight increase	H <sub>2</sub> SO <sub>4</sub> , 100 %:18 h/23°C	%	1/1	1/1	1/1	-	
	HNO <sub>3</sub> , 100 %:18 h/23°C	%	1/2	0/5	1/2	1/2	
	NaOH, 33 %:72 h/110°C	%	1/3	1/5	-	1/1	
Density		g/cm <sup>3</sup>	2.5	1.7	2.2	3.0	0.9
Average surface resistance	pO	Ω	6.9x10E12	9x10E12	3.1x10E13	1x10E13	
Average specific volume resistance	pD	Ω cm	2.2x10E12	2.6x10E12	3.2x10E13	1.2x10E13	
Average dielectric strength	Ed	kV/mm	3.6	16.7	23.8	16.7	
Average power factor	50 Hz	tan δ	0.166	0.085	0.071	0.083	
Average dielectric coefficient	50 Hz	er	10.6	2.8	3.2	4.2	
Thermal conductivity	λ	W/mK	0.60	0.18	0.42	0.40	

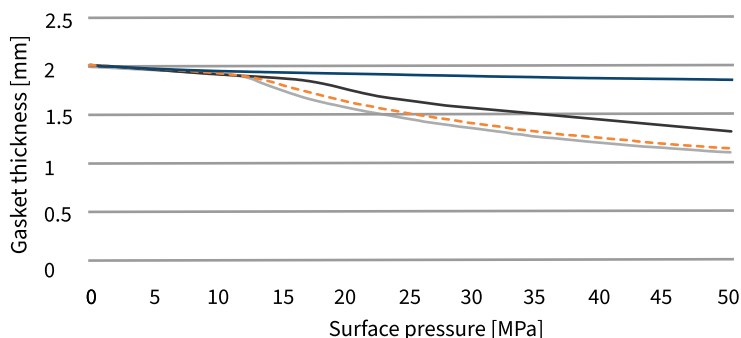
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- In area two, the gasket material may be suitable but a technical evaluation is recommended.
- In area three, do not install the gasket without a technical evaluation. Always refer to the chemical resistance of the gasket to the media.



**Intrusion into bore diagram**

shows Top-chem outcasts competition gasket materials significantly.



top-chem 2000

Competitor

Competitor

Competitor

# KLINGER® Mica Materials

Mica gaskets are used in the automotive sector, gas turbines, gas and oil burners, heat exchangers and in other flange connections. Mica gaskets are made from a material which consists of phlogopite mica paper with a silicone binder.

**Sizes:**

1000 x 1200 mm

**Thickness:**

1.3 mm, 2.0 mm, 3.2 mm

**Tolerances:**

Thickness ± 10%

Length ± 5 mm

Width ± 5 mm

**Material advantages:**



Chemical resistance



Conformable to surface



Hot water usage



Tightness at low load



No longterm embrittlement



Crush resistance



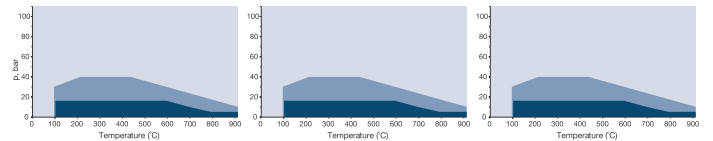
	PSS 130	PSS 200	PSS300
<b>Basis composition</b>	Mica-based with perforated 0.1 mm thick stainless steel reinforcement made of 1.4401 or AISI 316.	Mica-based with perforated 0.1 mm thick stainless steel reinforcement made of 1.4401 or AISI 316.	Mica-based with perforated 0.1 mm thick stainless steel reinforcement made of 1.4401 or AISI 316.
<b>Thickness</b>	1.3 mm	2.0 mm	3.2 mm
<b>Key features</b>	Outstanding gasket material for temperatures up to 900 °C and higher. Minimum weight loss at max. temperature.	Outstanding gasket material for temperatures up to 900 °C and higher. Minimum weight loss at max. temperature.	Outstanding gasket material for temperatures up to 900 °C and higher. Minimum weight loss at max. temperature.
<b>Industry</b>	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper, Marine, Automotive	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper, Marine, Automotive	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper, Marine, Automotive
<b>Certificates &amp; Approvals</b>	Germanischer Lloyd. Please inquire for more info.	Germanischer Lloyd. Please inquire for more info.	Germanischer Lloyd. Please inquire for more info.

**TECHNICAL DATA** Typical values for a thickness of 2.0 mm

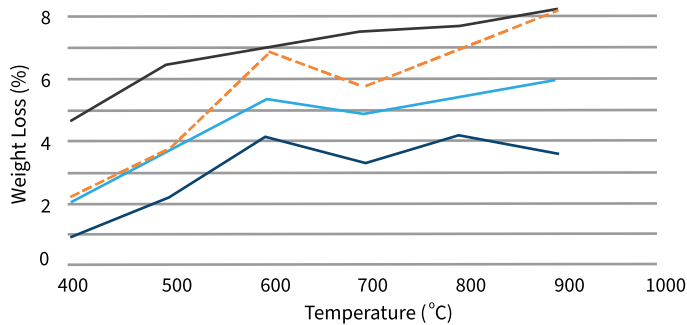
Compressibility ASTM F 36 J	%	12-16	13-19	17-25
Recovery ASTM F 36 J	%	35-45	35-45	30-40
Stress relaxation DIN 52913, 50 MPa, 16 h/300°C	MPa	33	33	30
Ignition loss	%	<5	<5	<15
Sealability for nitrogen at 30 MPa and 6 bar, temperature within 100 to 400°C (Sample size 90 x 50 mm) max	ml/min	0.20	0.20	0.20
Thickness increase ASTM F 146, Oil IRM 903: 5 h/150°C	%	12	12	5
Weight increase ASTM F 146, Oil IRM 903: 5 h/150°C	%	26	26	28
Max. gasket load	MPa	100	80	80
Density	g/cm <sup>3</sup>	2.1	2.1	1.8
Max. temperature	°C	900	900	900
Thickness	mm	1.3	2.0	3.2
Number of stainless steel reinforcements		1	1	2
Material Tanged stainless steel		ASI 316 (L)	ASI 316 (L)	ASI 316 (L)

The area of the **P-T diagram**

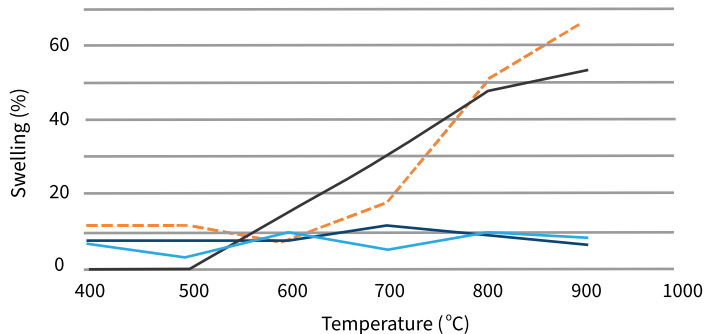
- In area one, the gasket material is normally suitable subject to chemical compatibility.
- In area two, the gasket material may be suitable but a technical evaluation is recommended.
- In area three, do not install the gasket without a technical evaluation. Always refer to the chemical resistance of the gasket to the media.



**Weight loss diagram** shows Milam PSS loses much less weight comparing to the competition materials.



**Swelling diagram** shows Milam PSS swells much less than competition whilst preserving very good gasket adhesion.



## Salmarcon Graphite Laminates

Gaskets on the basis of graphite are suitable for temperatures between -200 °C and up to 560 °C, and offer resistance against a broad range of chemicals. Equipped with an anti-stick finish specifically developed for this purpose, Salmarcon graphite-based gasket materials are easy to remove from the flange – even after exposure to elevated temperatures.

### Sizes:

1000 x 1000 mm  
1500 x 1500 mm

### Thickness (DIN 28091-1):

0.5 mm, 0.75 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm and 5.0 mm

### Tolerances:

Thickness ± 5%  
Length ± 50 mm  
Width ± 50 mm

### Material advantages:



Applications up to 460°C



Asbestos-free



Free of organic fibers & fillers



Chemical resistance



Crush resistance



Anti-stick material

### Salmarcon Salgraf SGS0 (Laminate)



### Salmarcon Salgraf SGS3 (Insert)

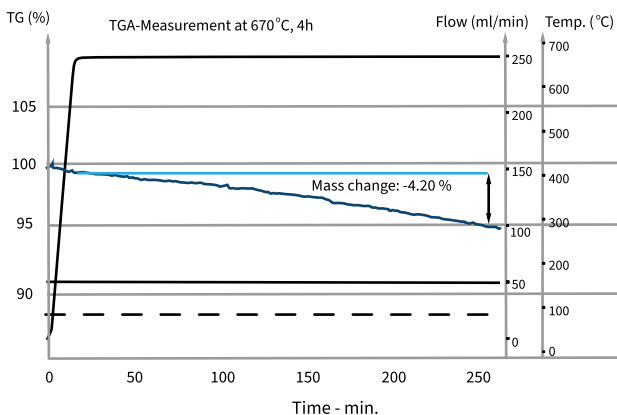


<b>Basis composition</b>	Flexible graphite with fiber-based insert.	Expanded graphite with an 0.1 mm thick tanged stainless steel insert.
<b>Key features</b>	Comprising two layers of flexible graphite & 0.3 mm high-temperature resistant graphite and fiber-based insert, this material combines easy handling with superior long-term sealing performance.	With two layers of graphite and featuring adhesive-free bonding, this gasket material is ideal for hot water and steam applications at temperatures of up to 560 °C.
<b>Industry</b>	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper Transport.	Chemical, Oil & Gas, Energy, Pulp & Paper Transport.
<b>Certificates &amp; Approvals</b>	TA-Luft (clean Air), FIRE SAFE (API 6FB)	TA-Luft (clean Air), FIRE SAFE (API 6FB)

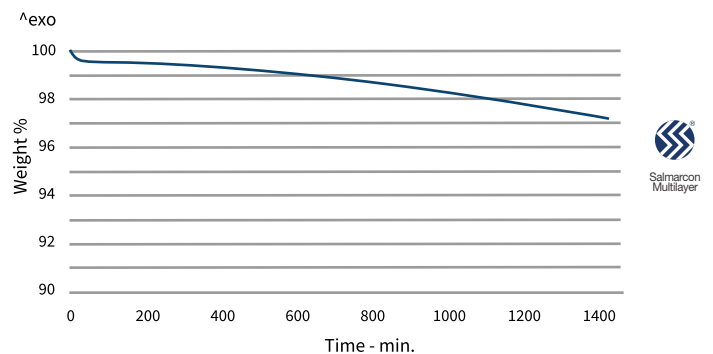
### TECHNICAL DATA Typical values for a thickness of 2.0 mm

Density of the graphite layer	DIN 28090-2	g/cm <sup>3</sup>	1.0	1.0
Purity of graphite	DIN 51903	%	≥ 99.5	≥ 99.5
Graphite and fibre based insert / Metallic reinforcement	Plain metal			AISI 316 (L)
	Thickness	mm	–	0.05/0.1
	Number of sheets		1	1
Compressibility	ASTM F36 A	%	>35	>35
Recovery	ASTM F36 A	%	>7	>7
Compression creep DIN 52913	16 h/ 50 MPa/ 300°C	MPa	≥ 46	≥ 46
Chloride content of graphite layer	DIN 28090-2	ppm	≤ 40	≤ 40

**Oxidation diagram** shows Salmarcon multi layered graphite solution superb stability and oxidative resistance in high pressure and temperature applications.



**Weight change diagram** (FSA-G-604-07/B), TGA test method confirmed very low weight changes of flexible graphite during heating under a controlled atmosphere.





## KLINGER® SEALEX

KLINGER® SEALEX is a PTFE product manufactured from a unique, physically networked fibrillated material. It is composed of specially prepared fluorocarbons with excellent resistance to aggressive chemicals as well as offering secure sealing under high pressures, even permitting the use of the material in applications up to 150 bar internal pressure ratings.



KLINGER® SEALEX can be applied to any sealing face, giving excellent sealing performance even at low bolt loads.

**Temperature Limit:** MAX -196°C to 270°C.

**Pressure Limit:** Full vacuum & pressure up to 138 bar.

**Chemical Resistance:** pH 0-14 except molten alkali metals and elemental fluorine

### Important approval certifications and tests:

DVGW: Registration No. DG-5127BR0551

BAM / oxygen: Tested for oxygen at 60 bar and 60 °C (not for liquid oxygen)

TA-Luft: tested (at 150 °C)

FDA conform (including adhesives)

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## Rubber products

Rubber sheet based on NBR, CSM Hypalon, EPDM, Viton, NR Gaskets (all high grade) highly resistant to oils at high temperature such as food oil, transformer oil, petrol and so many more.

### Epdm rubber sheets

EPDM or Ethylene Propylene Diene Monomer has an excellent operating temperature range of -45°C to +140°C. It is highly recommended for out-door uses as it is extremely resistant to oxidation, U.V. Rays and Ozone. However, EPDM does not have good oil resistance or adhesion properties. It is resistant to many chemicals and solvents and shows good resistance to many corrosive chemicals. It is also used for roofing sheets and weather strips.

### Nitrile rubber sheets

Nitrile rubber or acrylonitrile butadiene rubber is a copolymer of butadiene and acrylonitrile. It has good general resistance to oil along with good mechanical properties, especially tensile strength, flexing, compression set and impermeability to gases. It has moderate aging properties and good adhesion to metal. Its recommended operating temperature range is -30° C to + 120° C. It also displays a good resistance to inorganic chemical products except antioxidant agents and chlorine. It gives satisfactory resistance to general hydrocarbons. Due to its polar nature, we do not recommend its use with polar liquids like ketones, ethers, and amines.

### Neoprene rubber sheets

CR is a homo-polymer of chloroprene or chlorobutadiene. It has excellent mechanical and good abrasion properties even without reinforcing fillers and has a reasonable resilience in grades over 60° shore A. It displays good resistance to heat, ozone and weathering and gives good adhesion to metal. The recommended operating temperature range is between -40°C to +125°C. It has good resistance to inorganic hydrocarbons. We also offer flame retardant grades.

### Viton/FKM Rubber sheets

Salmacon Viton, quality based on Fluorinated rubber (FKM) with excellent weathering, oxidation and ozone resistance. It has excellent fuel & oil and chemical resistances. They also have excellent resistance at high temperature and flame resistance property with perfect operating temperatures between -50°C to +260°C. It is also proper to use in Food & Medical Industry (FDA Certified).

### Silicone Rubber sheets

Salmacon Silicone sheets has excellent resistance at high temperature and atmospheric agents; high insulation factor; excellent weathering, (UV) and ozone resistance, low flammability, resistance to chemicals, corrosion, ozone and radiation... Silicone sheets resist on hot and cold temperature extremes - 50°C to +220°C. Proper to use on Food Industry (FDA Certified).

**RUBBER SHEETS** Physical properties and technical specs

			Basic Polymer	NBR	NR/SBR	HNBR	SBR	FKM	EPDM	CR/SBR	CSM	IIR (Butile)	VMQ (Silicone)
			Application	Oil resistant	Natural rubber	Oil resistant	Industrial	Flourinated	Ethylen-prpylene	Chloroprene	Chlorosulfonated	Butyl	Silicone
		Units of measure	Specification	VALUES									
Hardness (H)	+/- 5	Sh.A3	ASTM D 2240	70	45	65	70	75	70	70	70	60	60
Tensile Strength (CR)	min.	Mpa	ASTM D 412C	5	10	16	3	9	5	5	8	7	7
Elongatiuon at break (AR)	min.	%	ASTM D 412C	250	400	300	200	170	250	250	170	4000	300
Tear strength	min.	N/mm <sup>2</sup>	ASTM D 624B	15	40	40	15	20	15	15	25	15	15
Abrasion resistance		mm <sup>3</sup>	DIN 53516										
Specific gravity	+/- 0,03	g/cm	DIN 53479	1,55	1,10	1,18	1,67	1,90	1,33	1,55	1,47	1,35	1,16
<b>Ageing</b>	<b>ΔH</b>	<b>SH.A3</b>		5	5	5	5	3	8	5			10
In AIR	ΔCR	%	ASTM D 573	-20	-40	-10	-20	-10	-30	-30			-15
For 72h	ΔAR	%		-40	-40	-20	-30	-20	-40	-40			-30
At 180°C	ΔV	%											
<b>Ageing</b>	<b>ΔH</b>	<b>SH.A3</b>											
In OZONE	ΔCR	%	ASTM D 417/ ASTM D 1149										
For 70h	ΔAR	%											
At 30°C - 100 pphm - all. 50	ΔV	%											
<b>Ageing</b>	<b>ΔH</b>	<b>SH.A3</b>		10		10							
In IRM 901	ΔCR	%	ASTM D 417										
For 70h	ΔAR	%											
At 100°C	ΔV	%			-10		-15						
<b>Ageing</b>	<b>ΔH</b>	<b>SH.A3</b>		-10		-10		-10					
In IRM 903	ΔCR	%	ASTM D 417										
For 70h	ΔAR	%											
At 100°C	ΔV	%			10		15		10				
<b>Ageing</b>	<b>ΔH</b>	<b>SH.A3</b>			-5		-6		-6	5			
In Water	ΔCR	%	ASTM D 417										
For 70h	ΔAR	%											
At 100°C	ΔV	%			5		6		5	5			

**MAIN CHARACTERISTICS**

Elasticity	✓	✓✓	✓	•	✗	✓	✓	✓	✓	✗	✓
Compression	✓	✓✓	✓✓	•	✓✓	✓	✓	✓	✓	✓	✓✓
Abrasion	•	✓✓	✓✓	•	•	•	•	•	•	✓✓	✓
Flame	•	•	•	•	✓✓	•	✗	✓	•	•	✓
Fuels	✓	✗	✓	✗	✓✓	✗	•	•	•	•	✗
Ozone	•	•	✓	✗	✓✓	✓	•	✓	•	✓	✓✓

Symbol description: Unsuitable ✗ , Poor • , Good ✓ ,Exellent ✓✓ .

# Industrial Gaskets

## Standard gaskets

The dimensions of our standard gaskets meet the requirements of the EN 1514-1, ANSI B16.21 or other internationally recognized standards. Larger gaskets are assembled from segments. Two kinds of splicing are used: dovetail and beveled.

## Custom Made gaskets

The non-metallic gaskets are produced in several sizes and shapes to meet the most demanding applications. They are available in standard and non-standard gasket design.

## Cutting capabilities

With our technology, experience, and knowledge we can cut almost any material providing competitive pricing and high quality. A large range of presses and special cutting tools together with a CAM-CAD Water Jet and our skilled team are available for the swift production of small quantities.

## Water Jet Cutting

CAM-CAD Water Jet cutter is an excellent system for manufacturing a variety of items, both large, small, simple or complex shapes. The process will leave a smooth finish with no heat affected zones and exceptional two-dimension accuracy.

## Standards for non-metallic flat gaskets

ASME B 16.21 (ASME B 16.47 series A)

NPS (in)	d(mm)		D(mm)				
	Class (lb)	150	300	400	600	900	1500
1/2"	21	48	54	54	54	64	64
3/4"	27	57	67	67	67	70	70
1"	33	67	73	73	73	79	79
1 1/4"	42	76	83	83	83	89	89
1 1/2"	48	86	95	95	95	98	98
2"	60	105	111	111	111	143	143
2 1/2"	73	124	130	130	130	165	165
3"	89	137	149	149	149	168	175
3 1/2"	102	162	165	162	162		
4"	114	175	181	178	194	206	210
5"	141	197	216	213	241	248	254
6"	168	222	251	248	267	289	283
8"	219	279	308	305	321	359	352
10"	273	340	362	359	400	435	435
12"	324	451	422	419	457	498	52
14"	356	45	486	483	492	521	578
16"	406	514	540	537	565	575	641
18"	457	549	59	594	613	638	705
20"	508	660	654	64	683	699	756
22"	559	560	705	702	733		
24"	610	718	775	768	791	838	902
26"	660	775	835	832	867	882.6	
28"	711	832	899	892	914	946.1	
30"	762	883	953	946	972	1010	
32"	813	940	1006	1003	1022	1073	
34"	864	991	1057	1054	1073	1073	
36"	914	1048	1118	1118	1130	1200	
38"	965	1111	1054	1073	1105		
40"	1016	1162	1114	1127	1156		
42"	1067	1219	1165	1178	1219		
44"	1118	1276	1219	1232	1270		
46"	1168	1327	1273	1289	1327		
48"	1219	1384	1324	1346	1391		
50"	1270	1435	1378	1403	1448		
52"	1321	1492	1429	1454	1499		
54"	1372	1549	1492	1518	1556		
56"	1422	1607	1543	1568	1613		
58"	1473	1664	1594	1619	1664		

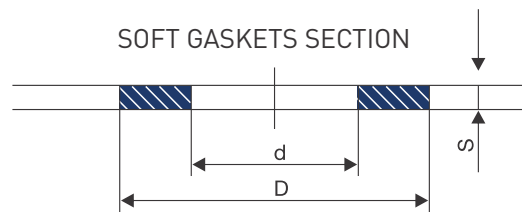
## Flange Standard - EN 1092-1,-2,-3,-4; EN545, EN 598, EN 969

DN (mm)	D(mm)								
	PN Class	PN 2.5	PN 6	PN 10	PN 16	PN 25	PN 40	PN 63	PN 100
10	18	39	39	46	46	46	46	56	56
15	22	44	44	51	51	51	51	61	61
20	27	54	54	61	61	61	61	72	72
25	34	64	64	71	71	71	71	82	82
32	43	76	76	82	82	82	82	88	88
40	49	86	86	92	92	92	92	103	103
50	61	96	96	107	107	107	107	113	120
65	77	116	116	127	127	127	127	138	145
80	89	132	132	142	142	142	142	148	155
100	115	152	152	162	162	168	168	174	180
125	141	182	182	192	192	194	194	210	217
150	169	207	207	218	218	224	224	247	257
175	195	237	237	248	248	255	267	277	287
200	220	262	262	273	273	284	290	309	324
250	273	317	317	328	329	340	352	364	391
300	324	373	373	378	384	400	417	424	458
350	356	423	423	438	444	457	474	486	512
400	407	473	473	489	495	514	546	543	627
450	458	528	528	539	555	564	571	588	704
500	508	578	578	594	617	624	628	657	813
600	610	680	680	695	734	731	747	764	950
700	712	784	784	810	804	833	850	879	
800	813	890	890	917	911	942	970	988	
900	915	990	990	1017	1011	1042	1080	1108	
1000	1016	1090	1090	1124	1128	1154	1190	1220	
1200	1220	1290	1307	1341	1342	1364	1395		
1400	1420	1490	1524	1548	1542	1578	1615		
1600	1620	1700	1724	1772	1764	1798	1830		
1800	1820	1900	1931	1972	1964	2000			
2000	2020	2100	2138	2182	2168	2230			
2200	2220	2307	2348	2384	2375				
2400	2420	2507	2558	2594	2585				
2600	2620	2707	2762	2794	2785				
2800	2820	2924	2972	3014					
3000	3020	3124	3172	3228					
3200	3220	3324	3382						
3400	3420	3524	3592						
3600	3620	3734	3804						
3800	3820	3931							
4000	4020	4131							

## ASME B 16.21 (ASME B16.47 SERIES B)

DN (mm)	d(mm)		D(mm)		
	Class	150	300	400	600
26"	660	775	725	746	765
28"	711	776	826	800	819
30"	762	827	886	857	879
32"	813	881	940	911	933
34"	864	935	994	962	997
36"	914	987	1048	1022	1048
38"	965	1045	1099		
40"	1016	1095	1149		
42"	1067	1146	1200		
44"	1118	1197	1251		
46"	1168	1256	1318		
48"	1219	1307	1368		
50"	1270	1357	1419		
52"	1321	1408	1470		
54"	1372	1464	1530		
56"	1422	1514	1594		
58"	1473	1580	1656		

Please contact with us for general tolerances of the related standards.



**SALMARCON**



Salmarcon Endüstriyel San. Ve Tic. A.Ş.  
Merkez/Fabrika (Center/Factory):  
Çanakkale Organize Sanayi Bölgesi,  
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**SALMARCON** <sup>®</sup>  
We make it seal!

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SEMI METAL  
SEALING SOLUTIONS



TRUSTED TO  
**DELIVER**  
INNOVATIVE  
**SOLUTIONS**



SEMI METAL  
GASKETS

[www.salmarcon.com](http://www.salmarcon.com)

# ABOUT SALMARCON

Established in 2012, as a private owned company, we since have proved to be a successful growing story. Salmarcon started in the last quarter of 2021 Romanian operations. We are specialist in the manufacturing and supply of high-quality industrial sealing products, fluid control, gaskets, bolts, nuts, stud bolts, washers and associated services in Turkey. We are more than 100 employees in a 15.000m<sup>2</sup> active area located in Canakkale.

## Expert sealing solutions

With a mix of world class products and knowledgeable people we quickly attracted big clients.

Ever since we have proven worthy of the trust, and we have turned into one of the top players of the Turkish gasket industry as well as having entered European supply chains.

## Certified quality

Our products are amongst the most approved and certified ones within the industry. We deliver proven user safety and globally trusted products worldwide.

- EN ISO 9001:2015, ISO 14001:2015 as well as ISO 45001:2018 certified
- TA LUFT
- FIRE SAFE TEST (API 6FB)
- PED 2014/68/EU for gaskets and fasteners
- ASME B16.20 Performance Test on SWG

## A true asset

A deep understanding of each customer with a strong commitment to be building a long-term partnership by offering the best products and solutions built by an extensive experience and knowledge.





## Our portfolio & applications

From the leading manufacturing companies within the gasket and sealing industry we quickly became a trusted partner. our portfolio is built on a range of unique products and solutions fitting the specific needs of our customers. The portfolio is delivering a great supplementation assuring a more simple and fast reacting supply chain of our customers.

### Salmarcon – Semi-metal gaskets



Spiral Wound Gaskets from our top modern production creates a very leak tight, reliable seal. Suitable for high temperatures and pressures.



The Kammprofile is a Grooved, covered metal gaskets consisting of a serrated metallic core with a soft facing material.



Corrugated gaskets from our top modern production with a metallic core encapsulated by a graphite coating. A robust and easy to handle gasket.



Metal Jacketed Gaskets with a compressible insert that makes the gasket suit the flange. Metal jacketed gaskets can be made with a broad range of metals and high temperature fillers.



Metal Reinforced NBR, CSM Hypalon, EPDM, Viton and NR Gaskets. All types according to DIN 1514-1. Suitable for installation between flanges made of metal or plastic, or any combination of these.



Manhole gaskets handling 450°C in continuous operation. The material does not stick on the flange and is very adoptable to poor flanges as well as able handle most types of media.



We also supply an extensive range of specialty gaskets to complete our quality sealing portfolio, including joints, seals and hoses, all designed to meet the criteria of our global customer base.

### Our solutions for all applications



Pipes & Flanges



Scrubbers



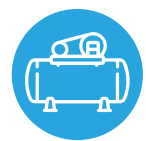
Heat Exchangers



Food Reactors



Pumps



Compressors



Gas heaters



Steam



Oil + Gas



Chemical



Mining



Petro chemical

# SALMARCON SPIRAL WOUND GASKETS

Spiral wound gaskets can recover under the action of fluctuating loads caused by process fluid pressure and temperature changes, flange face temperature variations, flange rotation, bolt stress relaxation and creep.

The gasket sealing element consists of a pre-formed metallic winding strip with layers of a softer, more compressible sealing material which, during compression, is densified and flows to fill imperfections in the flange surfaces when the gasket is seated. The metal strip holds the filler giving the gasket mechanical resistance and resilience.

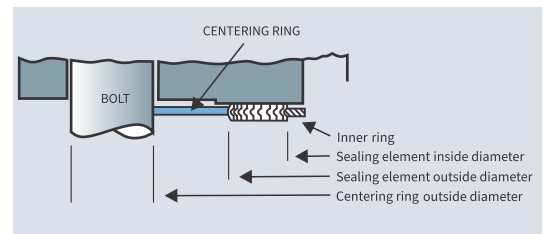
Salmarcon spiral wound gaskets can be manufactured from a range of filler materials according to different service conditions:



Filler Material	Maximum Temperature	ASME B16.20 Colour Coding
Graphite	500°C	Grey Stripe
PTFE	260°C	White Stripe
Mica	1000°C	Light Blue Stripe
Mica and Graphite	900°C	-

Winding Material	Maximum Temperature	ASME B16.20 Colour Coding
Carbon Steel	500°C	Silver
304 Stainless Steel	650°C	Yellow
304L Stainless Steel	650°C	N/A
316L Stainless Steel	800°C	Green
Duplex UN S31803	800°C	N/A
Super Duplex UN S32750	600°C	N/A
347 Stainless Steel	800°C	Blue
321 Stainless Steel	800°C	Turquoise
Monel 400	800°C	Orange
Nickel 200	315°C	Red
Titanium Gr 2	350°C	Purple
Hastelloy B-2/B-3	700°C	Brown
Hastelloy C-2 6	700°C	Beige
Inconel 600	1000°C	Gold
Inconel 625	1000°C	Gold
Inconel X-750	1000°C	N/A
Incoloy 825	600°C	White
Zirconium	500°C	N/A
254 SMO	600°C	N/A
Titanium Gr7	500°C	N/A
Hastelloy C-22	450°C	N/A
Hastelloy G-31	450°C	N/A
Alloy 20	600°C	Black
316 Ti	900°C	N/A
316H	800°C	N/A

TYPE OF SWG	SECTION VIEW
RR (WITHOUT INNER&OUTER RING)	
RI (WITH INNER RING)	
GRI (WITH INNER&OUTER RING)	
GR (WITH OUTER RING)	



Please note: These temperatures given above are guidelines only and do not apply in all fluids, Please contact Technical Department for advice.



# SALMARCON SPIRAL WOUND GASKETS

## BASIC FILLERS

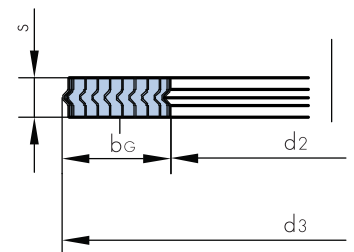
Graphite Filled		PTFE Filled		Mica Filled	
<b>Applications:</b>					
Used for applications requiring high integrity sealing performance		Used for applications demanding outstanding chemical resistance		High temperature and high pressure applications	
<b>Typical Properties:</b>					
High pressure gasket designed for raised face and flat face applications		High integrity gasket designed for raised face and flat face applications		High pressure gasket designed for raised face and flat face applications	
Excellent tightness properties even under fluctuating load		Resistant to virtually all chemicals		Excellent tightness properties even under fluctuating load	
Easy to handle and install		Robust and easy to handle and install		Easy to handle and install	
Inner ring protects windings against media and adds stability at higher pressures and for larger gasket diameters.		Inner ring protects windings against media and adds stability at higher pressures		Inner ring protects windings against media and adds stability at higher pressures and for larger gasket diameters.	
<b>Typical Specifications:</b>					
Sealing element :	Graphite/316L	PTFE/316L	Mica/ Inconel 600		
Centering ring :	Carbon steel	Carbon steel	Inconel 600		
Inner ring :	316L	316L	Inconel 600		
Max. temperature :	500°C.	260°C.	1000°C.		
Max. pressure	Up to 400 bar.	Up to 150 bar.	Up to 250 bar.		
Suitability for flanges to:	ASME B16.5, DIN standards, BS 10, JIS, AWWA and custom designs etc.				

### Dimensions & Manufacturing sizes

Limitations for manufacturing of dimensions are general and can vary according to the special customer requirements.

LIMITATIONS FOR MANUFACTURING DIMENSIONS

Thickness [mm]	Max diameter d3[mm]	Maximum width - bg [mm]	
		Graphite	PTFE
2.5	2000	50	13
3.2	2000	60	60
4.5	2000	60	60
6.5	2000	35	24
7.2	3000	30	24



Note : Please contact with us for the out of limitations (max. diameter, max. width etc.) table of the SWGs to check the the capability of requested customized SWG dimensions.

### Thickness

The standard manufacturing thicknesses for spiral wound gaskets are: 3.2 mm; 4.5 mm (measured across metallic strip not including the filler, which protrudes 0.2-0.3 mm beyond the metal).

### Manufacturing tolerances

The tolerance of the gasket diameters ( $d_1$ ,  $d_2$ ,  $d_3$ ,  $d_4$ ,  $s$ ,  $s_1$ ,  $s_2$ ) are stipulated by ASME B 16.20 and EN 1514-2 standards. The gaskets designed for non-standard flanges meet the recommendations by the ASME B 16.20.

### Dimensions

The dimensions of the standard spiral wound gasket meet the ASME, BS and EN (DIN) standards.

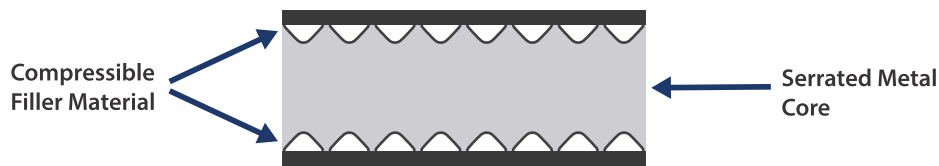


# SALMARCON KAMMPROFILE GASKETS

KAMMPROFILE gaskets are **excellently suited for sealing of media under extreme operating conditions**, such as high operating pressures and temperatures. Such solutions are ideal replacements for problem applications associated with other similar gaskets.

The Salmarcon Kammprofile is a composite gasket which utilizes a serrated metal core with a soft facing material. Kammprofile gaskets are also preferable due to the core material,

The metal core is a machined concentric serration which provide high pressure areas, ensuring that the soft coating flows into any imperfections in the flange even at relatively low bolt loads. The soft facing material is engineered to compress to the core creating the ideal sealing density in the profile grooves. The resulting in a gasket combining the benefits of soft cut materials with the advantages of metallic gaskets.



Expanded graphite is the most common facing material used for our Kammprofile gaskets. However, other materials can be used, such as PTFE for chemically aggressive duties or mica for high temperature service.

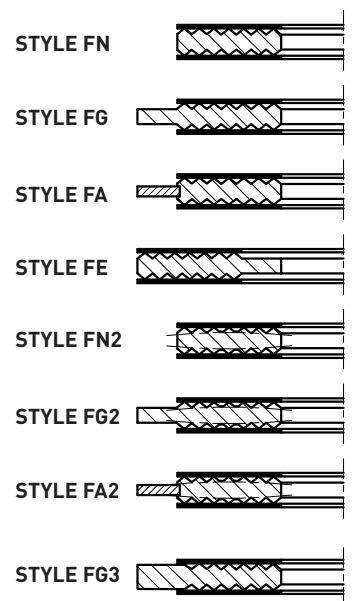
Facing	Maximum
Graphite	550°C
PTFE	260°C
Mica	1000°C
KLINGERSIL® C-4430	350°C

The material can also be manufactured from a range of core materials according to media compatibility and temperature considerations.

	Maximum Temperature
316L Stainless Steel	800°C
304 Stainless Steel	650°C
Duplex UNS31803	800°C
347 Stainless Steel	800°C
321 Stainless Steel	800°C
Monel 400	800°C
Nickel 200	315°C
Titanium Gr 2	350°C
Hastelloy B-2/B-3	700°C
Hastelloy C-276	700°C

	Maximum Temperature
Inconel 600	1000°C
Inconel 625	1000°C
Incoloy 825	600°C
Zirconium	500°C
Super Duplex	600°C
254 SMO	600°C
Titanium Gr7	500°C
Hastelloy C-22	450°C
Hastelloy G-31	450°C
Alloy 20	600°C

## Shape and construction



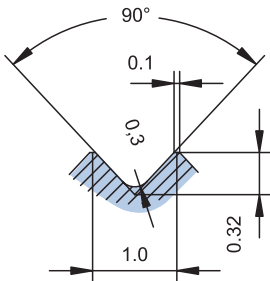
## General Properties of SALMARCON Kammprofile Gaskets:

- » A wide range of seating stresses with easy maintenance
- » Useful when there is insufficient bolt load to seal conventional gasket materials
- » Easy to handle and fit
- » Suitable for a wide range of operating conditions
- » The soft facing layer prevents damage to the mating flange
- » Sealing is not sensitive to uneven bolt loading

### EN 12560-6 Grooved Gaskets for ASME B 16.5 flanges

#### FINE GROOVE PROFILE

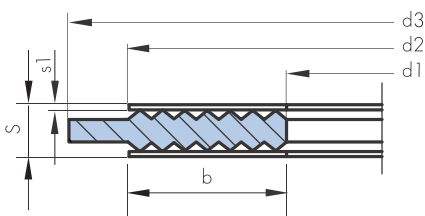
S1=0.5mm



NPS (in)	d1 (mm)	d2 (mm)	d3 (mm)						
	Class (lb)		150	300	400	600	900	1500	2500
1/2	23.1	33.3	47.8	54.1	54.1	54.1	54.1	63.5	69.9
3/4	28.7	39.6	57.2	66.8	66.8	66.8	66.8	69.9	76.2
1	36.6	47.5	66.8	73.2	73.2	73.2	73.2	79.5	85.9
1 1/4	44.5	60.2	76.2	82.6	82.6	82.6	82.6	88.9	104.9
1 1/2	52.3	69.9	85.9	95.3	95.3	95.3	95.3	98.6	117.6
2	69.9	88.9	104.9	111.3	111.3	111.3	111.3	143.0	146.1
2 1/2	82.6	101.6	124.0	130.3	130.3	130.3	130.3	165.1	168.4
3	98.3	123.7	136.7	149.4	149.4	149.4	168.4	174.8	196.9
4	123.7	153.9	174.8	181.1	177.8	193.8	206.5	209.6	235.0
5	150.9	182.6	196.9	215.9	212.9	241.3	247.7	254.0	279.4
6	177.8	212.6	222.3	251.0	247.7	266.7	289.1	282.7	317.5
8	228.6	266.7	279.4	308.1	304.8	320.8	358.9	352.6	387.4
10	282.7	320.8	339.9	362.0	358.9	400.1	435.1	435.1	476.3
12	339.6	377.7	409.7	422.4	419.1	457.2	498.6	520.7	549.4
14	371.6	409.7	450.9	485.9	482.6	492.3	520.7	577.9	
16	422.4	466.6	514.4	539.8	536.7	565.2	574.8	641.4	
18	479.3	530.1	549.4	596.9	593.9	612.9	638.3	704.9	
20	530.1	580.9	606.6	654.1	647.7	682.8	698.5	755.7	
24	631.7	682.5	717.6	774.7	768.4	790.7	838.2	901.7	

### EN 1514-6 grooved gaskets for EN 1092-1 flanges

#### STYLE FG



DN (mm)	d1 (mm)	d2 (mm)			d3 (mm)							
	PN Class	PN 10-40	PN 63-160	PN 250-400	PN 10	PN 16	PN 25	PN 40	PN 63	PN 100	PN 160	PN 250
10	22	36	36	36	46	46	46	46	56	56	56	67
15	26	42	42	42	51	51	51	51	61	61	61	72
20	31	47	47	47	61	61	61	61				
25	36	52	52	52	71	71	71	71	82	82	82	83
32	46	62	62	66	82	82	82	82				
40	53	69	69	73	92	92	92	92	103	103	103	109
50	65	81	81	87	107	107	107	107	113	119	119	124
65	81	100	100	103	127	127	127	127	137	143	143	153
80	95	115	115	121	142	142	142	142	148	154	154	170
100	118	138	138	146	162	162	168	168	174	180	180	202
125	142	162	162	178	192	192	194	194	210	217	217	242
150	170	190	190	212	217	217	224	224	247	257	257	284
175	195	215	215	245	247	247	254	265	277	287	284	316
200	220	240	248	280	272	272	284	290	309	324	324	358
250	270	290	300	340	327	328	340	352	364	391	388	442
300	320	340	356	400	377	383	400	417	424	458	458	
350	375	395	415		437	443	457	474	486	512		
400	426	450	474		489	495	514	546	543	572		
450	480	506			539	555		571				
500	530	560	588		594	617	624	628	657	704		
600	630	664	700		695	734	731	747	764	813		
700	730	770	812		810	804	833	852	879	950		
800	830	876	886		917	911	942	974	988			
900	930	982	994		1017	1011	1042	1084	1108			
1000	1040	1098	1110		1124	1128	1154	1194	1220			
1200	1250	1320	1334		1341	1342	1364	1398	1452			

PROFILE	s1 (mm)
standard	3.0
fine	0.5

### GASKET ORDERING EXAMPLE

Grooved gasket STYLE FN Salmarcon Kammprofile gasket 3mm SS316 core + 2 x 0.5mm Graph on both sides

# SALMARCON CORRUGATED GASKETS

Corrugated gaskets are universally applicable sealing elements. Due to the wide range of shapes that they can be produced in - including rings, ovals, elongated ovals or frames, with or without dividers, holes and retaining plates - they continue to be used in new areas. The gaskets can be fully or partially coated. Corrugated gaskets with torque support have proven excellent when used with inflexible flanges.

Even with unmachined flanges, a satisfactory seal can be achieved with the use of suitable soft-material layers. The gaskets can be produced in all the usual sizes up to 6000 mm.

## Advantages

- » Outstanding mechanical strength and thermal conductivity.
- » Capable of withstanding high temperatures.
- » There are almost no limitations regarding size.
- » Solid construction provides stability even for large diameters and ensures trouble-free handling and installation.

## Shape and construction

The metal gaskets are produced in several types to meet the most demanding applications. Shapes: Round, Oval, Rectangular, etc.

Gasket profiles

Profile	Cross - section
S1A	
S1A-3	
S1A-3-F1	
S11A	
S2A	
S12A	

Gasket limiting values

Profiles	S1A, S11A		S1A-3			
	1.4541 graphite	1.4541 PTFE	1.4571 graphite	1.4571 PTFE		
Recommended max. roughness	$\mu\text{m}$	from to	25 50	25 50	50 100	50 100
Surface pressure limits for 20 °C	$\text{N/mm}^2$	$\sigma_v$ $\sigma_\theta$	15 180	15 180	15 200	15 200
Surface pressure limits for 300 °C	$\text{N/mm}^2$	$\sigma_v$ $\sigma_\theta$	20 150	-	20 150	-

Gasket limiting values

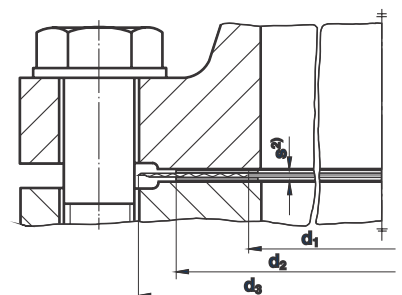
Description		20 °C	100 °C	200 °C	300 °C	400 °C	500 °C
S1A-RS2E2	$\sigma_v$ [N/mm <sup>2</sup> ]	15	16	17	20	22	25
1.4571/graphite	$\sigma_\theta$ [N/mm <sup>2</sup> ]	180	170	160	150	140	130

## FLANGES with RAISED FACE

Conforms to works standard 157 (PN 1 to PN 400)

Ordering example for a corrugated gasket with layers, Profile S11A, DN 100, PN 100, works standard 15L, made of ...1):

Corrugated gasket, S11A, DN 100, PN 100, WN 157, 1.4541 /graphite



For DIN flanges

DN			PN											
	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>											
			1 u. 2,5	6	10	16	25	40	63	100	160	250	320	400
10	18	34	38	38	46	46	46	46	56	56	56	67	67	67
15	22	39	43	43	51	51	51	51	61	61	61	72	72	78
20	28	50	53	53	60	60	60	60	-	-	-	-	-	-
25	35	57	63	63	70	70	70	70	82	82	82	83	92	104
32	43	65	75	75	82	82	82	82	-	-	-	-	-	-
40	49	75	85	85	92	92	92	92	103	103	103	109	119	135
50	61	87	95	95	107	107	107	107	113	119	119	124	134	150
65	77	109	115	115	127	127	127	127	137	143	143	153	170	192
80	90	120	132	132	142	142	142	142	148	154	154	170	190	207
100	115	149	152	152	162	162	168	168	174	180	180	202	229	256
125	141	175	182	182	192	192	194	194	210	217	217	242	274	301
150	169	203	207	207	218	218	224	224	247	257	257	284	311	348
175	195	233	237	237	247	247	254	265	277	287	284	316	358	402
200	220	259	262	262	272	272	284	290	309	324	324	358	398	442
250	274	312	318	318	327	328	340	352	364	391	388	442	488	-
300	325	363	373	373	377	383	400	417	424	458	458	536	-	-
350	368	421	423	423	437	443	457	474	486	512	-	-	-	-
400	420	473	473	473	489	495	514	546	543	572	-	-	-	-
450	470	524	528	528	539	555	-	571	-	-	-	-	-	-
500	520	575	578	578	594	617	624	628	657	704	-	-	-	-
600	620	675	680	680	695	734	731	747	764	813	-	-	-	-
700	720	777	785	785	810	804	833	852	879	950	-	-	-	-
800	820	882	890	890	917	911	942	974	988	-	-	-	-	-
900	920	987	990	990	1017	1011	1042	1084	1108	-	-	-	-	-
1000	1020	1091	-	-	1124	1128	1154	1194	1220	-	-	-	-	-
1200	1240	1320	-	-	1341	1342	1364	1398	1452	-	-	-	-	-
1400	1440	1520	-	-	1548	1542	1578	1618	-	-	-	-	-	-
1600	1640	1740	-	-	1772	1764	1798	1830	-	-	-	-	-	-
1800	1840	1940	-	-	1972	1964	2000	-	-	-	-	-	-	-
2000	2040	2140	-	-	2182	2168	2230	-	-	-	-	-	-	-
2200	2240	2340	-	-	2384	2378	-	-	-	-	-	-	-	-
2400	2440	2540	-	-	2594	-	-	-	-	-	-	-	-	-
2600	2650	2750	-	-	2794	-	-	-	-	-	-	-	-	-
2800	2870	2970	-	-	3014	-	-	-	-	-	-	-	-	-
3000	3080	3180	-	-	3228	-	-	-	-	-	-	-	-	-

- Flanges compliant with the standard not available

Dimensions in mm

- 1) Specify material when placing order
- 2) The thickness of the metal ring is approx. 1.5 mm at g < 150mm, otherwise approx. 1.2 mm

For flanges in accordance with ANSI B16.5

NPS			Class						
	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>						
			150	300	400	600	900	1500	2500
½	21	35	44,4	50,8	50,8	50,8	60,3	60,3	66,7
¾	27	43	53,9	63,5	63,5	63,5	66,7	66,7	73,0
1	33	51	63,5	69,8	69,8	69,8	76,3	76,3	82,5
1¼	42	64	73,0	79,4	79,4	79,4	85,7	85,7	101,6
1½	48	73	82,5	92,1	92,1	92,1	95,2	95,2	114,3
2	60	92	101,6	108,0	108,0	108,0	139,7	139,7	142,8
2½	73	105	120,6	127,0	127,0	127,0	161,9	161,9	165,1
3	89	127	133,4	146,1	146,1	146,1	165,1	174,5	193,7
3½	102	140	158,8	161,9	158,7	158,7	-	-	-
4	114	157	171,5	177,8	174,6	190,5	203,2	206,4	231,7
5	141	186	193,7	212,7	209,5	238,1	244,5	250,8	276,2
6	168	216	219,1	247,7	244,5	263,5	285,8	297,4	314,3
8	219	270	276,2	304,8	301,6	317,5	355,6	349,3	384,1
10	273	324	336,5	358,8	355,6	396,9	431,8	431,8	473,0
12	324	381	406,4	419,1	415,9	454,0	495,3	517,5	546,1
14	356	413	447,7	482,6	479,4	488,9	517,5	574,7	-
16	406	470	511,2	536,6	533,4	561,9	571,5	638,1	-
18	457	535	546,1	593,7	590,5	609,6	636,0	701,7	-
20	510	585	603,2	650,9	644,5	679,5	695,3	752,4	-
22	559	641	657,2	701,7	698,5	730,3	-	-	-
24	610	690	714,4	771,5	765,2	787,4	835,0	898,5	-

- Flanges compliant with the standard not available

Dimensions in mm

- 1) Specify material when placing order
- 2) The thickness of the metal ring is approx. 1.5 mm at g < 150mm, otherwise approx. 1.2 mm

# SALMARCON METAL JACKETED GASKETS

Metal Jacketed gaskets are the most basic type of semi-metallic gaskets combining the high pressure suitability and blow out resistance of metallic materials with the improved compressibility of soft materials. Metal jacketed gaskets offer an economical seal where sealing faces are narrow and can be produced in a variety of shapes, making them a good option for heat exchanger jointing.

Metal Jacketed and corrugated gaskets can be manufactured to suit a range of chemical environments by the selection of a suitable alloy jacket or core.

## General Properties

- » Economical
- » Easy to handle and install
- » Suitable for high temperatures
- » Suitable for narrow flanges
- » Good blow-out resistance

## Applications

- » Heat exchangers
- » Exhaust gases
- » Valve bonnet gaskets
- » Narrow flanges

Gasket limiting values

Profiles	S2 to S17				Se3	S3L
Materials	Aluminium Graphite	Copper Brass Graphite	Iron Nickel Graphite	Stainlesssteel Graphite	Iron Nickel Graphite	Iron Iron
Recommended max. roughness (R <sub>z</sub> ) of the flange surfaces	25 50	12,5 25	6,3 12,5	2,5 6,3	6,3 12,5	6,3 12,5
Surface pressure limits for 20 °C	30 100	60 150	70 180	100 250	60 180	200 500
Surface pressure limits for 300 °C	(40) (60)	70 120	80 150	115 200	70 150	200 350

<sup>1)</sup> Fibre sheets with binder

Gasket profiles

Profile	Cross-section
S2	
S3	
S4	
S8	
S10	
S12	
S17	
Se3	

**Metal - jacketed gaskets dimensions for ASME B 16.5 flange**

NPS (in)	d (mm)		D (mm)					
	Class (lb)	150	300	400	600	900	1500	2500
1/2"	23.8	44.5	50.8	50.8	50.8	60.4	60.4	66.8
3/4"	31.8	54	63.5	63.5	63.5	66.7	66.7	73.1
1"	36.5	63.5	69.9	69.9	69.9	76.2	76.2	82.5
1 1/4"	46	73	79.4	79.4	79.4	85.8	85.8	101.6
1 1/2"	52.4	82.6	92.1	92.1	92.1	95.3	95.3	114.3
2"	73.2	101.6	108	108	108	139.7	139.7	143
2 1/2"	85.9	120.6	127	127	127	161.9	161.9	165.1
3"	107.8	133.4	146.1	146.1	146.1	165.1	171.5	193.8
4"	131.8	171.5	177.8	174.7	190.5	203.2	206.5	231.9
5"	152.4	193.8	212.8	209.5	238.2	244.6	250.9	276.3
6"	190.5	219.1	247.7	244.5	263.6	285.8	279.4	314.5
8"	238.3	276.3	304.8	301.7	317.5	355.6	349.3	384.3
10"	285.8	336.6	358.8	355.6	396.9	431.8	431.8	473.2
12"	342.9	406.4	419.1	415.9	454.1	495.3	517.6	546.1
14"	374.7	447.7	482.6	479.5	489	517.6	574.7	
16"	425.5	511.2	536.6	533.4	562	571.5	638.2	
18"	489	546.1	593.7	590.6	609.6	635	701.8	
20"	533.4	603.3	650.9	644.5	679.5	695.5	752.5	
24"	641.4	714.4	771.6	765.3	787.4	835.1	898.6	

**Metal - jacketed gaskets dimensions for ASME B 16.47 Series A raised face flanges**

NPS (in)	d (mm)		D (mm)			
	Class (lb)	150	300	400	600	900
26"	673.1	771.6	831.8	828.8	863.6	879.6
28"	723.9	828.8	895.3	889	911.3	943.1
30"	774.7	879.6	949.4	943.1	968.5	1006.6
32"	825.5	936.7	1003.3	1000.2	1019.3	1070.1
34"	876.3	987.5	1054.1	1051	1070.1	1133.6
36"	927.1	1044.7	1114.7	1114.5	1127.2	1197.1
38"	977.9	1108.2	1051	1070.1	1101.8	1197.1
40"	1028.7	1159	1111.2	1124	1152.6	1248
42"	1079.5	1286.1	1162	1174.7	1216.1	1298.7
44"	1130.3	1273.3	1216.1	1228.8	1267	1365.2
46"	1181.1	1324.1	1270	1286	1324.1	1432
48"	1231.9	1381.2	1320.8	1343.1	1387.6	1482.8
50"	1282.7	1432	1374.9	1400.3	1444.7	
52"	1333.5	1489.2	1425.7	1451.1	1495.5	
54"	1384.3	1546.3	1489.2	1514.6	1552.7	
56"	1431.1	1603.5	1540	1565.4	1603.5	
58"	1485.9	1660.6	1590.8	1616.2	1660.6	
60"	1536.7	1711.4	1641.6	1679.7	1730.5	

**TOLERANCES (mm)**

	up to 24"	above 24"
D	+ 1.58	+ 3.3
	0	0
d	+ 1.58	+ 3.3
	0	0
s	+ 0.8	+ 0.8
	0	0

**GASKET ORDERING EXAMPLE**

**STANDARD DIMENSION:**

Metal-jacketed gasket S10,  
ASME B 16.5, 8"-600lbs,  
Material: AISI 304,  
Filler: Graphite

**NON-STANDARD DIMENSION:**

Metal-jacketed gasket S2,  
D = 836 mm, d = 804 mm, s = 3,2 mm  
Material: Cu,  
Filler: Ceramic



# SALMARCON RUBBER STEEL GASKETS

KLINGER KGS rubber-steel seals, the unique and patented adjustable seal KLINGER KGS VD and our KLINGER wall collar offer reliable sealing in water supply and disposal, in plant construction, in gas supply and in building protection. Excellent at high flange and screw forces, which can now be absorbed, so that reliable function is guaranteed with large dimensions.

Rubber-metal-gaskets are used where safe sealing of conventional up to special industrial media such as gases and liquids are required under usual installation conditions like temperatures, pressures, and forces.

Base: Vulcanized rubber mixture, lens-form, rounded at the edges, vulcanized steel ring inside, therefore good reception of the surface load. Outer diameter self-centering at the inner bolt circle.

## Advantages & properties

- » Self-centering with the same flange DN and PN
- » Appropriate tightening torques
- » Self-limiting compression surface
- » Rigid gasket, easy to install
- » Soft surface in order to seal slightly damaged flange surfaces
- » Materials of KLINGER<sup>®</sup>KGS: NR, NBR, EPDM, CSM, FKM
- » Dimensions according to EN 1514-1 depending on DN: PN 6 to PN 40 / DN 15 up to DN 2000



## Materials of rubber-metal-gaskets

Materials	NR	NBR	EPDM	VITON/FKM
Field of application	Water Circuit water Diluted alkalis up to max. 50% and max. 80%	Gas Media containing hydrocarbon Waste water Water	Drinking water waste water process water, on consultation	Application in case of higher temperatures
Colour	Black	Black	Black	Black
Temperature	approx. +80°C short-term up to +90°C	from -15°C to +100°C	from -40°C to +100°C short-term up to +130°C	from -20°C to +200°C
Certificates	EN 681 - 1 WC Class 70	DVGW Certificate acc. to EN 682 GBL EN 681-1 WG Class 70 EN 682 GBL Class 70 TA-Luft (German Clean Air Act)	EN 681-1 WAL/WCL Class 70 Elastomer Guideline (new KTW) DVGW W270, ACS, WRAS (Bs6920) FDA Certificate, TA-Luft	TA-Luft (German Clean Air Act)
Applications	NR vulcanized materials can be used where noncritical media have to be sealed. Higher temperatures than 90°C have to be avoided.	Application of NBR vulcanized materials result from the listed characteristics, such as resistance against aliphatic carbohydrates, mineral oils, greases fuels.	Application of EPDM vulcanized materials mainly result from the good resistance to chemicals. Furthermore, the EPDM quality has good resistance against ozone and aging.	Due to the good resistance against acids and alkalis, the main use is in the area of chemistry and their users.

DN	Inside diameter	Outside diameter for PN						
		1 / 2.5	6	10	16	25	40	63
10	18	39	39	46	46	46	46	56
15	22	44	44	51	51	51	51	61
20	27	54	54	61	61	61	61	72
25	34	64	64	71	71	71	71	82
32	43	76	76	82	82	82	82	88
40	49	86	86	92	92	92	92	103
50	61	96	96	107	107	107	107	113
60	72	106	106	117	117	117	117	123
65	77	116	116	127	127	127	127	138
80	89	132	132	142	142	142	142	148
100	115	152	152	162	162	168	168	174
125	141	182	182	192	192	194	194	210
150	169	207	207	218	218	224	224	247
200	220	262	262	273	273	284	290	309
250	273	317	317	328	329	340	352	364
300	324	373	373	378	384	400	417	424
350	356	423	423	438	444	457	474	486
400	407	473	473	489	495	514	546	543
450	458	528	528	539	555	564	571	–
500	508	578	578	594	617	624	628	–
600	610	679	679	695	734	731	747	–
700	712	784	784	810	804	833	–	–
800	813	890	890	917	911	942	–	–
900	915	990	990	1017	1011	1042	–	–
1000	1016	1090	1090	1124	1128	1154	–	–
1100	1120	–	–	1231	1228	1251	–	–
1200	1220	1290	1307	1341	1342	1364	–	–
1400	1420	1490	1524	1548	1542	1578	–	–
1500	1520	–	–	1658	1654	1688	–	–
1600	1620	1700	1724	1772	1764	1798	–	–
1800	1820	1900	1931	1972	1964	2000	–	–
2000	2020	2100	2138	2182	2168	2230	–	–
2200	2220	2307	2348	2384	–	–	–	–
2400	2420	2507	2558	2592	–	–	–	–
2600	2620	2707	2762	2794	–	–	–	–
2800	2820	2924	2972	3014	–	–	–	–
3000	3020	3124	3172	3228	–	–	–	–
3200	3220	3324	3382	–	–	–	–	–
3400	3420	3524	3592	–	–	–	–	–
3600	3620	3734	3804	–	–	–	–	–
3800	3820	3931	–	–	–	–	–	–
4000	4020	4131	–	–	–	–	–	–

# SALMARCON CUSTOM MADE AND SPECIALTY GASKETS

At Salmarcon with our own technology, knowledge and experience we are capable of meeting various customer needs. In close co-operation with customers, we develop and produce special types of gaskets for various applications. Gaskets are produced up to a size of 7000 mm in different special types for the most demanding applications in almost any industry.

Custom-made gaskets are made to customer's own drawing and specification, samples, and templates.

Our skilled team can provide the solution for almost any customer requirements.

## Advantages

- » Custom made gaskets according to customers specifications.
- » Special large single piece gaskets up to 7000 mm in size.
- » Unique and strong construction allows easy handling and transport.
- » High temperature resistance depends on material. However, as we have a wealth of materials we can comply
- » Capability to compensate for irregularities on flanges.



**SALMARCON** 



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