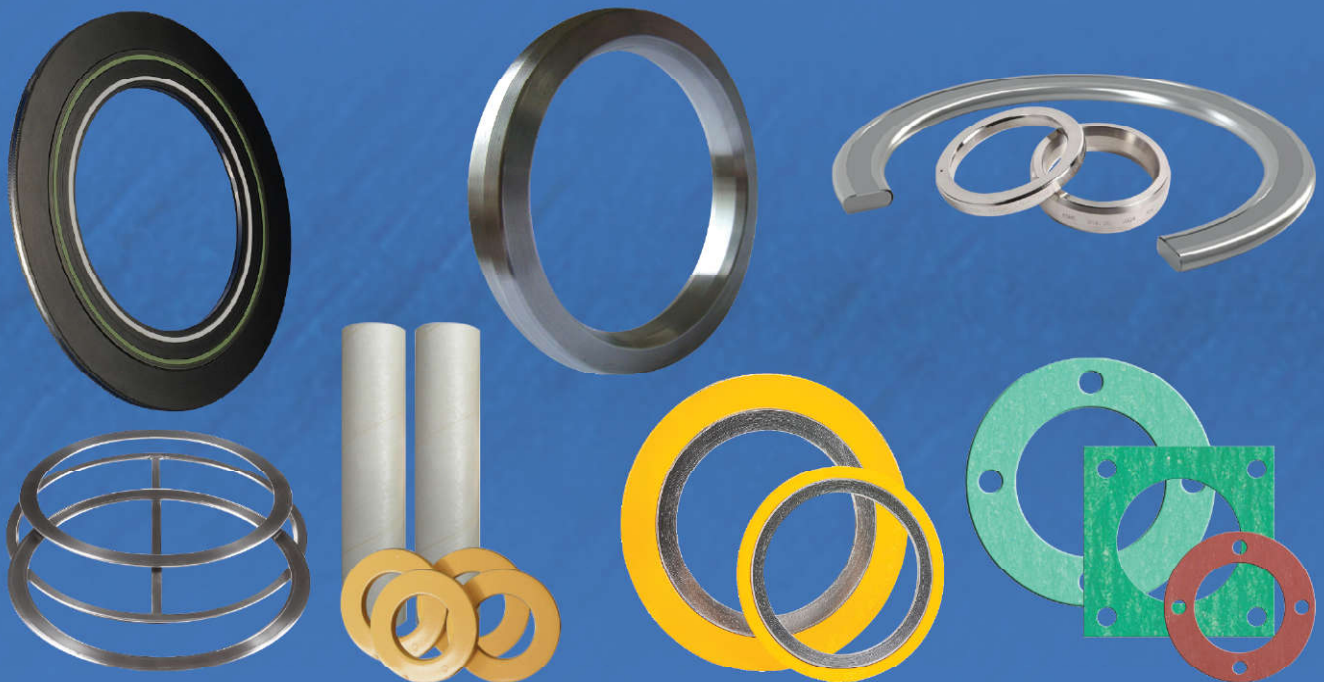




GULF GASKET FACTORY

Fluid Sealing Products



أرامكو السعودية
saudi aramco



سابك
sabik

NPCC
شركة النفط الوطنية

Technip



Saipem

SAMSUNG

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INTRODUCTION

Gulf Gasket Factory was established in 1993. Since then, it grows rapidly and developed the highest quality fluid sealing products and services. Through the years, Gulf Gasket Factory has emerged as the leading gasket manufacturer in the industry.

Gulf Gasket Factory manufactures a full range of gasket products intended for the large petroleum and gas plants, refineries, desalination plant, nuclear and fossil fuel power plants and other light diversified industrial projects.

Gulf Gasket Factory offers assistance in designing any special standard and non-standard gasket requirements that will suit to the needs and customer satisfaction.

It follows strict production control system and applies the latest international standard such as, ASME, ANSI & BS to arrive at an accurate specification as required.

Gulf Gasket Factory employs highly qualified and trained personnel with a thorough knowledge in designing and manufacturing gasket products.

Gulf Gasket Factory manufactures products that are sold in the local market comprises half of the production. It has standby and regular client in the neighboring GCC and the Middle East, Asia, Europe, Africa and the rest of the oil producing countries.

At present, Gulf Gasket Factory is committed to pursuit its goal towards the regulatory requirements in improving the effectiveness of the Quality Management System as dictated by its Quality Policy Statement.

It's operation is complying to the ISO9001:2008 standards.

MESSAGE FROM THE GENERAL MANAGER

Gulf Gasket Factory being one of the first and established manufacturer of various gasket requirements in the biggest Oil and Gas companies in the entire Saudi Arabia and GCC, is now fully recognized as a major supplier in this industry because of our unique quality products.

In the last 24 years of existence since 1993, the factory has managed to evolved to the various challenge of times and technology. We gave our full commitment for the total satisfaction of our customers. This is our number one priority and concern, a company you can rely on.

Our contribution to the needs of Oil & Gas key players goes beyond their expectation as we are bounded to do by our Mission and Vision. Our Quality Standard delivers maximum level of performance as guided by our Quality Objective thru our Quality Policy Statement.

Lastly, Gulf Gasket will continue its noble commitment to every customer's requirement and will consider every single details of your needs to serve you better.

Thank you very much.

Huda Al-Dossary



QUALITY POLICY STATEMENT

It is the policy of Gulf Gasket Factory to fully comply with or exceed the requirements of the customer regulatory requirements and to continually improve the effectiveness of the quality management system.

In order to achieve continual improvement within all aspects of the business, measurable objectives have been set within the organization with the overall aim of:

- Reducing Process and Product Non-conformance
- Improving Process and Product Performance Characteristics
- Improving Customer Satisfaction Levels
- Improving System Effectiveness and Efficiency

The company has set Key Performance Indicators throughout the business operations in order to continually monitor, measure, analyze and review the performance compared to targets and to act upon the results where deemed necessary.

Our valued customer is our most cherished asset and it is our policy to continually improve the level of our services by producing quality products that are delivered on time at the least possible cost in order to become the benchmark supplier against which all others are judged.

Providing timely and efficient customer service, creating an environment where people are trained, involved and committed to continuous improvement.

The Quality Management System meets the requirements of International Standard ISO 9001:2008 and enjoys the full support and active support of the Top Management.

For and on behalf of the Top Management Team:

Huda Al-Dossary

QUALITY OBJECTIVES

Top Management has ensured that quality objectives for the system, its processes and the product have been established at relevant functions and levels within the organization.

Permanent objectives have been established for:

- Continual Improvement of System Implementation
- Continual Reduction of Product and Process Nonconformity
- Continual Reduction of Customer Complaints
- Continual Improvement of Customer Satisfaction Indices
- Continual Improvement of Supplier Performance

The objectives are measurable and consistent with the quality policy. Key Performance Indicators have been identified in order to measure and analyze the performance.

The Analysis of Data and Management Review procedures define how data is collected, analyzed, reviewed and acted upon in order to achieve continual improvement.

The system process have been planned and designed in order to achieve the objectives and to continually improve performance in all areas.

To ensure that the system planning includes the changed requirements are identified and integrated into the system.



LIST OF PRODUCTS

Metallic Gaskets

- ⊞ Ring Joint Gaskets (R, RX, BX)
- ⊞ Washer

Non – Metallic Gaskets

- ⊞ Compressed Non-Asbestos Gaskets (all types & sizes)
- ⊞ Rubber Gaskets (all types & sizes)
- ⊞ Teflon Gaskets
- ⊞ Graphite Gaskets

Semi – Metallic Gaskets

- ⊞ Spiral Wound Gaskets (all types & sizes)
- ⊞ Camprofile Gaskets
- ⊞ Corrugated Gaskets
- ⊞ Grooved Gaskets
- ⊞ Heat Exchanger Gaskets
 - ⊞ Metal Jacketed Gaskets
 - ⊞ Double Jacketed Gaskets

Insulation Kit (all types & sizes)

Graphite Packing

- ⊞ Graphite Packing (all types & sizes)
- ⊞ PTFE Packing

O Ring (all types & sizes)

Electro-Galvanizing

Ring Joint Gaskets

Metal Ring Joint Gasket Type R



The **R** metal ring joint gaskets are manufactured according to ASME B16.20: 2015 and API 6A. The type R oval configuration was the original design and was followed by the type R octagonal which offered more specific contact areas.

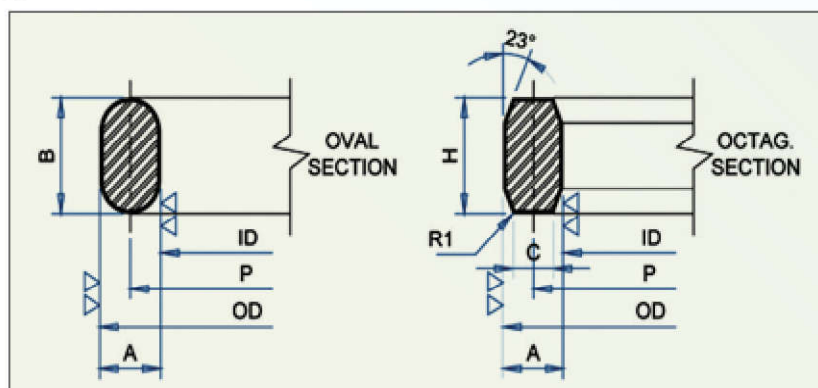
The principal type of material is:

Metal

Soft Iron
Low Carbon Steel
F5 Alloy Steel
Type 410 S/S
Type 304 S/S
Type 304L S/S
Type 316 S/S
Type 316L S/S
Type 347 S/S
Type 321 S/S

Max. Hardness

90 BHN
120 BHN
130 BHN
170 BHN
160 BHN
160 BHN
160 BHN
160 BHN
160 BHN
160 BHN



Type R Ring Gaskets – According to ASME B16.20: 2015 and API 6 A.



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

NOMINAL PIPE SIZE / NOMINAL PRESSURE																					
ASME/ANSI B16.5					API 6B				ASME B16.47 Series A			TOLERANCES	±0.38		±0.17	±0.39	±0.39	±0.20	±0.20	WEIGHT	
150	300-600	900	1500	2500	720-960	2000	3000	5000	150	300-600	900	R	De (mm)	Di (mm)	Dm (mm)	B (mm)	H (mm)	A (mm)	C (mm)	OVEL Kg	OCTA Kg
	½											R11	40.49	27.79	34.14	11.18	9.65	6.35	4.32	0.05	0.05
		½	½									R12	47.65	31.75	39.70	14.22	12.70	7.95	5.23	0.10	0.10
	¾			½								R13	50.83	34.93	42.88	14.22	12.70	7.95	5.23	0.10	0.10
1		¾	¾									R14	52.40	36.50	44.45	14.22	12.70	7.95	5.23	0.11	0.11
												R15	55.58	39.67	47.63	14.22	12.70	7.95	5.23	0.12	0.11
	1	1	1	¾	1	1	1	1				R16	58.75	42.85	50.80	14.22	12.70	7.95	5.23	0.12	0.11
1 ¼												R17	65.10	49.20	57.15	14.22	12.70	7.95	5.23	0.14	0.13
	1 ¼	1 ¼	1 ¼	1	1 ¼	1 ¼	1 ¼	1 ¼				R18	68.28	52.37	60.33	14.22	12.70	7.95	5.23	0.15	0.14
1 ½												R19	73.05	57.15	65.10	14.22	12.70	7.95	5.23	0.16	0.15
	1 ½	1 ½	1 ½		1 ½	1 ½	1 ½	1 ½				R20	76.23	60.33	68.28	14.22	12.70	7.95	5.23	0.17	0.15
				1 ¼								R21	83.36	61.11	72.24	17.53	16.00	11.13	7.75	0.30	0.29
2												R22	90.50	74.60	82.55	14.22	12.70	7.95	5.23	0.20	0.19
	2			1 ½	2	2						R23	93.68	71.42	82.55	17.53	16.00	11.13	7.75	0.34	0.33
		2	2				2	2				R24	106.38	84.12	95.25	17.53	16.00	11.13	7.75	0.39	0.38
2 ½												R25	109.55	93.65	101.60	14.22	12.70	7.95	5.23	0.25	0.23
	2 ½			2	2 ½	2 ½						R26	112.73	90.47	101.60	17.53	16.00	11.13	7.75	0.42	0.41
		2 ½	2				2 ½	2 ½				R27	119.08	96.82	107.95	17.53	16.00	11.13	7.75	0.45	0.43
				2 ½								R28	123.83	98.43	111.13	19.05	17.53	12.70	8.66	0.57	0.55
3												R29	122.25	106.35	114.30	14.22	12.70	7.95	5.23	0.28	0.26
	3											R30	128.60	106.35	117.48	17.53	16.00	11.13	7.75	0.48	0.47
	3	3			3	3	3					R31	134.95	112.70	123.83	17.53	16.00	11.13	7.75	0.51	0.50
				3								R32	139.70	114.30	127.00	19.05	17.53	12.70	8.66	0.65	0.63
3 ½												R33	139.73	123.83	131.78	14.22	12.70	7.95	5.23	0.32	0.30
	3 ½											R34	142.90	120.65	131.78	17.53	16.00	11.13	7.75	0.54	0.52
			3					3				R35	147.65	125.40	136.53	17.53	16.00	11.13	7.75	0.56	0.55
4												R36	157.18	141.27	149.23	14.22	12.70	7.95	5.23	0.37	0.34
	4	4			4	4	4	3 ½				R37	160.35	138.10	149.23	17.53	16.00	11.13	7.75	0.62	0.60
				4								R38	173.05	141.30	157.18	22.35	20.57	15.88	10.49	1.16	1.14
			4					4				R39	173.05	150.80	161.93	17.53	16.00	11.13	7.75	0.67	0.65
5												R40	179.40	163.50	171.45	14.22	12.70	7.95	5.23	0.42	0.39
	5	5			5	5	5					R41	192.10	169.85	180.98	17.53	16.00	11.13	7.75	0.75	0.73
				5								R42	209.55	171.45	190.50	25.40	23.88	19.05	12.32	1.91	1.88
6												R43	201.63	185.72	193.68	14.22	12.70	7.95	5.23	0.48	0.44
			5					5				R44	204.80	182.55	193.68	17.53	16.00	11.13	7.75	0.80	0.78
	6	6			6	6	6					R45	222.28	200.03	211.15	17.53	16.00	11.13	7.75	0.87	0.85
			6					6				R46	223.85	198.45	211.15	19.05	17.53	12.70	8.66	1.08	1.05
				6								R47	247.65	209.55	228.60	25.40	23.88	19.05	12.32	2.29	2.26
8												R48	255.60	239.70	247.65	14.22	12.70	7.95	5.23	0.61	0.56
	8	8			8	8	8					R49	281.00	258.75	269.88	17.53	16.00	11.13	7.75	1.11	1.09
			8					8				R50	285.75	254.00	269.88	22.35	20.57	15.88	10.49	1.99	1.95



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

NOMINAL PIPE SIZE / NOMINAL PRESSURE																					
ASME/ANSI B16.5					API 6B				ASME B16.47 Series A			TOLERANCES	±0.38		±0.17	±0.39	±0.39	±0.20	±0.20	WEIGHT	
150	300-600	900	1500	2500	720-960	2000	3000	1000	150	300-600	900	R	De (mm)	Di (mm)	Dm (mm)	B (mm)	H (mm)	A (mm)	C (mm)	OVEL Kg	OCTA Kg
				8								R51	301.63	257.18	279.40	28.70	26.92	22.23	14.81	3.65	3.69
10												R52	312.75	296.85	304.30	14.22	12.70	7.95	5.23	0.75	0.69
	10	10			10	10	10					R53	334.98	312.72	323.85	17.53	16.00	11.13	7.75	1.34	1.30
			10					10				R54	339.73	307.98	323.85	22.35	20.57	15.88	10.49	1.39	2.35
				10								R55	371.48	314.33	342.90	36.58	35.05	28.58	19.81	7.35	7.68
12												R56	388.95	373.05	381.00	14.22	12.70	7.95	5.23	0.93	0.87
	12	12			12	12	12			12	12	R57	392.13	369.87	381.00	17.53	16.00	11.13	7.75	1.57	1.53
			12									R58	403.23	358.78	381.00	28.70	26.92	22.23	14.81	4.98	5.03
14												R59	404.83	388.92	396.88	14.22	12.70	7.95	5.23	0.98	0.90
				12								R60	438.15	374.65	406.40	39.62	38.10	31.75	22.33	10.47	11.09
	14				14	14	14			14		R61	430.23	407.97	419.10	17.53	16.00	11.13	7.75	1.73	1.69
		14									14	R62	434.98	403.23	419.10	22.35	20.57	15.88	10.49	3.09	3.04
			14									R63	444.50	393.70	419.10	33.27	31.75	25.40	17.30	7.33	7.54
16												R64	461.98	446.07	454.03	14.22	12.70	7.95	5.21	1.12	1.03
	16				16	16				16		R65	481.03	458.77	469.90	17.53	16.00	11.13	7.75	1.94	1.89
		16					16				16	R66	485.78	454.03	469.90	22.35	20.57	15.88	10.49	3.47	3.40
			16									R67	490.48	441.33	469.90	36.58	35.05	28.58	19.81	10.07	10.53
18												R68	525.48	509.57	517.53	14.22	12.70	7.95	5.23	1.28	1.18
	18				18	18				18		R69	544.53	522.27	533.40	17.53	16.00	11.13	7.75	2.20	2.15
		18					18				18	R70	552.45	514.35	533.40	25.40	23.88	19.05	12.32	5.35	5.27
			18									R71	561.98	504.83	533.40	36.58	35.05	28.58	19.81	11.43	11.95
20												R72	566.75	550.85	558.80	14.22	12.70	7.95	5.23	1.38	1.27
	20				20	20				20		R73	596.90	571.50	584.20	19.05	17.53	12.70	8.66	2.99	2.92
		20					20				20	R74	603.25	565.15	584.20	25.40	23.88	19.05	12.32	5.85	5.77
			20									R75	615.95	552.45	584.20	39.62	38.10	31.75	22.33	15.05	15.94
24												R76	681.05	665.15	673.10	14.22	12.70	7.95	5.23	1.66	1.53
	24									24		R77	708.03	676.28	692.15	22.35	20.57	15.88	10.49	5.11	5.01
		24									24	R78	717.55	666.75	692.15	33.27	31.75	25.40	17.30	12.10	12.46
			24									R79	727.08	657.23	692.15	44.45	41.40	34.93	24.82	22.58	22.06
									22			R80	623.90	608.00	615.95	-	12.70	7.95	5.23	1.52	1.40
										22		R81	649.30	620.70	635.00	-	19.05	14.30	9.58	4.05	3.86
								1				R82	68.28	46.02	57.15	-	16.00	11.13	7.75	-	0.23
								1 ½				R84	74.63	52.37	63.50	-	16.00	11.13	7.75	-	0.25
								2				R85	92.08	66.68	79.38	-	17.53	12.70	8.66	-	0.40
								2 ½				R86	106.38	74.63	90.50	-	20.57	15.88	10.49	-	0.65
								3				R87	115.90	84.15	100.03	-	20.57	15.88	10.49	-	0.72
								4				R88	142.88	104.78	123.83	-	23.88	19.05	12.32	-	1.22
								3 ½				R89	133.35	95.25	114.30	-	23.88	19.05	12.32	-	1.13
								5				R90	177.80	133.35	155.58	-	26.92	22.23	14.81	-	2.05
								10				R91	292.10	228.60	260.35	-	38.10	31.75	22.33	-	7.10
												R92	239.73	217.47	228.60	17.53	16.00	11.13	7.75	0.94	0.92
										26		R93	768.35	730.25	749.30	-	23.88	19.05	12.32	-	7.40
										28		R94	819.15	781.05	800.10	-	23.88	19.05	12.32	-	7.90
										30		R95	876.30	838.20	857.25	-	23.88	19.05	12.32	-	8.47
										32		R96	936.63	892.18	914.40	-	26.92	22.23	14.81	-	12.08
										34		R97	987.43	942.98	965.20	-	26.92	22.23	14.81	-	12.75
										36		R98	1,044.58	1,000.13	1,022.35	-	26.92	22.23	14.81	-	13.51
						8	8					R99	246.08	223.82	234.95	-	16.00	11.13	7.75	-	0.95
											26	R100	777.88	720.73	749.30	-	35.05	28.58	19.81	-	16.79
											28	R101	831.85	768.35	800.10	-	38.10	31.75	22.33	-	21.83
											30	R102	889.00	825.50	857.25	-	38.10	31.75	22.33	-	23.39
											32	R103	946.15	882.65	914.40	-	38.10	31.75	22.33	-	24.95
											34	R104	1,000.13	930.28	965.20	-	41.40	34.93	24.82	-	31.49
											36	R105	1,057.28	987.43	1,022.35	-	41.40	34.93	24.82	-	33.35



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

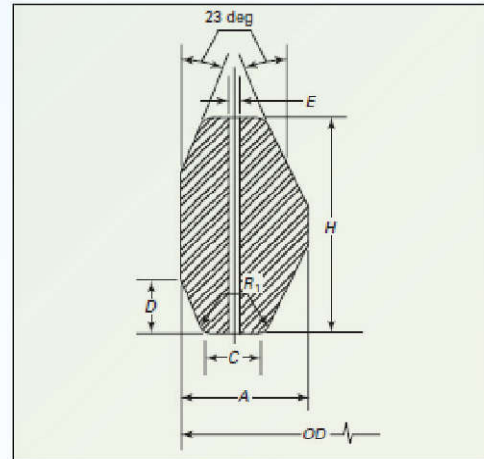
Metal Ring Joint Gasket Type RX



The **RX** metal ring joint gaskets are manufactured according to ASME B16.20: 2015 and API 6A. The type RX series is of higher strength materials designed primarily for well-head pressures of 700 bar and beyond.

Type RX pressure-energized ring gaskets

According to ASME B16.20: 2015 and API 6 A.



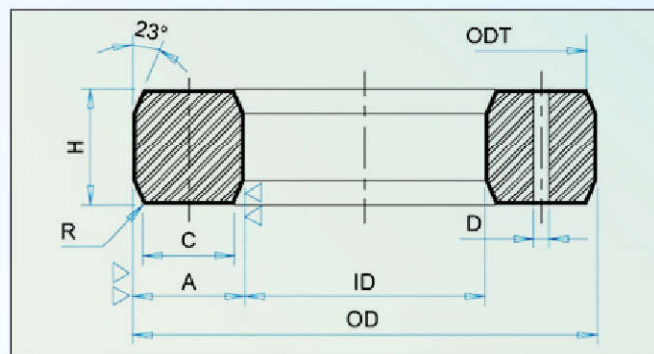
NOMINAL PIPE SIZE / NOMINAL PRESSURE API 6B				TOLERANCES	+0.50 -0		+0.20 -0	+0.20 -0	+0.15 -0	+0 -0.76	±0.39	See note 3	WEIGHT
720-960 2000(6)	2900(6)	3000	5000	RX	De (mm)	Di (mm)	H (mm)	A (mm)	C (mm)	D (mm)	R1 (mm)	E (mm)	OCTA Kg
1 ½		1 ½	1 ½	RX 20	76.20	58.72	19.05	8.74	4.62	3.18	1.52	N/A	0.24
2				RX 23	93.27	69.44	25.40	11.91	6.45	4.24	1.52	N/A	0.52
		2		RX 24	105.97	82.14	25.40	11.91	6.45	4.24	1.52	N/A	0.60
			3 ½	RX 25	109.55	92.08	19.05	7.74	4.62	3.18	1.52	N/A	0.50
2 ½				RX 26	111.91	88.09	25.40	11.91	6.45	4.24	1.52	N/A	0.64
		2 ½	2 ½	RX 27	118.26	94.44	25.40	11.91	6.45	4.24	1.52	N/A	0.68
3		3		RX 31	134.54	110.72	25.40	11.91	6.45	4.24	1.52	N/A	0.78
			3	RX 35	147.24	123.42	25.40	11.91	6.45	4.24	1.52	N/A	0.86
4		4		RX 37	159.94	136.12	25.40	11.91	6.45	4.24	1.52	N/A	0.95
			4	RX 39	172.64	148.82	25.40	11.91	6.45	4.25	1.52	N/A	1.03
5		5		RX 41	191.69	167.87	25.40	11.91	6.45	4.24	1.52	N/A	1.15
			5	RX 44	204.39	180.57	25.40	11.91	6.45	4.24	1.52	N/A	1.23
6		6		RX 45	221.84	198.02	25.40	11.91	6.45	4.24	1.52	N/A	1.34
			6	RX 46	222.25	195.28	28.58	13.49	6.68	4.78	1.52	N/A	1.66
		8 (7)		RX 47	245.26	205.59	41.28	19.84	10.34	6.88	2.29	N/A	3.88
8		8		RX 49	280.59	256.77	25.40	11.91	6.45	2.24	1.52	N/A	1.72
			8	RX 50	283.36	250.04	31.75	16.66	8.51	5.28	1.52	N/A	2.43
10		10		RX 53	334.57	310.74	25.40	11.91	6.45	4.24	1.52	N/A	2.06
			10	RX 54	337.34	304.01	31.75	11.66	8.51	5.28	1.52	N/A	2.92
12		12		RX 57	391.72	367.89	25.40	11.91	6.45	4.24	1.52	N/A	2.42
			14	RX 63	441.73	387.73	50.80	27.00	14.78	8.46	2.29	N/A	11.96
16				RX 65	480.62	456.79	25.40	11.91	6.45	4.24	1.52	N/A	3.00
		16		RX 66	457.99	424.66	31.75	16.66	8.51	5.28	1.52	N/A	4.25
18				RX 69	544.12	520.29	25.40	11.91	6.45	4.24	1.52	N/A	3.41
		18		RX 70	550.06	510.39	41.28	19.84	10.34	6.88	2.29	N/A	9.12
20				RX 73	596.11	569.14	31.75	13.49	6.68	5.28	1.52	N/A	5.27
		20		RX 74	600.86	561.19	41.28	19.84	10.34	6.88	2.29	N/A	10.01
	1			RX 82	67.87	44.04	25.40	11.91	6.45	4.24	1.52	1.52	0.36
	1 ½			RX 84	74.22	50.39	25.40	11.91	6.45	4.24	1.52	1.52	0.40
	2			RX 85	90.09	63.12	25.40	13.49	6.68	4.24	1.52	1.52	0.40
	2 ½			RX 86	103.58	73.41	28.58	15.09	8.51	4.78	1.52	2.29	0.81
	3			RX 87	113.11	82.93	28.58	15.09	8.51	4.78	1.52	2.29	0.90
	4			RX 88	139.29	104.34	31.75	17.48	10.34	5.28	1.52	3.05	1.46
	3 ½			RX 89	129.77	93.24	31.75	18.26	10.34	5.28	1.52	3.05	3.09
	5			RX 90	174.63	134.95	44.45	19.84	12.17	7.42	2.29	3.05	7.75
	10			RX 91	286.94	226.59	45.24	30.18	19.81	7.54	2.29	3.05	1.50
8 (7)		8 (7)		RX 99	245.67	221.84	25.40	11.91	6.45	4.24	1.52	N/A	2.20
			1 3/8	RX 201	51.46	39.98	11.30	5.74	3.20	1.45	0.51 (5)	N/A	0.10
			1-13/16	RX 205	62.31	51.18	11.10	5.56	3.05	1.83 (4)	0.51 (5)	N/A	0.13
			2-9/16	RX 210	97.64	78.59	19.05	9.53	5.41	3.18 (4)	0.76 (5)	N/A	0.35
			4-1/16	RX 215	140.89	117.07	25.40	11.91	5.33	4.24 (4)	1.52 (5)	N/A	0.80



Metal Ring Joint Gasket Type BX



The **BX** metal ring joint gaskets are manufactured according to ASME B16.20: 2015 and API 6A. The type BX series is of higher strength materials designed primarily for special applications involving high pressures up to 20,000 psi.



Type BX pressure-energized ring gaskets
According to ASME B16.20: 2015 and API 6 A

NOMINAL PIPE SIZE / NOMINAL PRESSURE						TOLERANCES	0 -0.15		0 +0.20	0 +0.20	0 +0.15	See note 3	See note 4	WEIGHT
API 6BX						BX	De (mm)	Di (mm)	H (mm)	A (mm)	C (mm)	R1 (mm)	E (mm)	OCTA Kg
2000	3000	5000	10000	15000	20000									
			1-11/16	1-11/16		BX 150	72.19	53.59	9.30	9.30	7.98	0.93	1.52	0.13
			1-13/16	1-13/16	1-13/16	BX 151	76.40	57.15	9.63	9.63	8.26	0.96	1.52	0.15
			2-1/16	2-1/16	2-1/16	BX 152	84.68	64.21	10.24	10.24	8.79	1.02	1.52	0.19
			2-9/16	2-9/16	2-9/16	BX 153	100.94	78.18	11.38	11.38	9.78	1.14	1.52	0.29
			3-1/16	3-1/16	3-1/16	BX 154	116.84	92.05	12.40	12.40	10.64	1.24	1.52	0.40
			4-1/16	4-1/16	4-1/16	BX 155	147.96	119.51	14.22	14.22	12.22	1.42	1.52	0.55
			7-1/16	7-1/16	7-1/16	BX 156	237.92	200.69	18.62	18.62	15.98	1.86	3.05	1.87
			9	9	9	BX 157	294.46	252.50	20.98	20.98	18.01	2.10	3.05	2.97
			11	11	11	BX 158	352.04	305.77	23.14	23.14	19.86	2.31	3.05	4.35
			13 %	13 %	13 %	BX 159	426.72	375.31	25.70	25.70	22.07	2.57	3.05	6.53
		13 %				BX 160	402.59	375.11	23.83	13.74	10.36	2.38	3.05	3.06
		16 3/4				BX 161	491.41	459.00	28.07	16.21	12.24	2.81	3.05	5.35
		16 3/4	16æ	16æ		BX 162	475.49	447.04	14.22	14.22	12.22	1.42	1.52	1.94
		18 3/4				BX 163	556.16	521.41	30.10	17.37	13.11	3.01	3.05	6.90
			18 æ	18 æ		BX 164	570.59	521.39	30.10	24.59	20.32	3.01	3.05	5.86
		21°				BX 165	624.71	587.73	32.03	18.49	13.97	3.20	3.05	8.76
		21°				BX 166	640.03	587.76	32.03	26.14	21.62	3.20	3.05	12.82
26 3/4						BX 167	759.36	733.15	35.86	13.11	8.03	3.59	1.52	8.53
	26 3/4					BX 168	765.25	733.15	35.86	16.05	10.97	3.59	1.52	10.54
			5 %			BX 169	173.51	147.65	15.85	12.93	10.69	1.58	1.52	0.73
			6 %	6 %		BX 170	218.03	189.59	14.22	14.22	12.22	1.42	1.52	1.03
			8-9/16	8-9/16		BX 171	267.44	238.99	14.22	14.22	12.22	1.42	1.52	1.24
			11-5/32	11-5/32		BX 172	333.07	304.62	14.22	14.22	12.22	1.42	1.52	1.56
30	30					BX 303	852.75	818.82	37.95	16.97	11.61	3.79	1.52	10.66



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

Non-Metallic Gaskets

Compressed Non-Asbestos Materials



Ferolite Nam 32

Made from Aramid fiber,
mineral fiber & inorganic bonded

Max. Peak Temp. 450 °C
Max. Cont. Temp. 250 °C
Max. Ope. Pr. 150 bar

Ferolite Nam 37

Synthetic NBR Elastomers.

Max. Peak Temp. 400 °C
Max. Cont. Temp. 250 °C
Max. Ope. Pr. 100 bar

Graphite Materials



Pure Graphite

Graphite SS Tanged (304, 316 & C276)

Graphite Metal Foil

Ope. Pr. 140 bar
Temp. 650 °C
Ope. Pr. 220 bar
Temp. 650 °C

PTFE Gaskets



Pure Virgin Teflon

Temp. -230 to +315
Pr. 3000 PSI

Rubber Gaskets	Application	Temperature
Neoprene	Oil, fuels and moderate acid and alkalis	-10°C to + 90°C
EPDM	Acid Alkalis and hot water. Not recommended for oils and fuels.	-40°C to +140°C
Viton	Many acid and alkalis, aliphatic hydrocarbons, oils and ozone.	-20°C to + 200°C (peak 300°C)
NBR	Oil and solvents, aromatic and aliphatic hydrocarbons and alcohols and material fats.	-60°C to + 200°C
Silicon	Vegetable fats and oils, water and where and where ozone esistance is required.	-60°C to + 200°C (peak 250°C)



Dimension Table

GASKET DIMENSIONS TO ASME B16.21 – 2015 USED WITH ASME/ANSI B16.5 RF FLANGES (Dimensions in mm)							
DN		d1	D				
(mm)	(inch)		PN 20	PN 50	PN 68	PN 100	PN 150
			150 lbs.	300 lbs.	400 lbs.	600 lbs.	900 lbs.
15	½	21.3	47.8	53.8	53.8	53.8	63.5
20	¾	26.9	57.2	66.5	66.5	66.5	69.9
25	1	33.3	66.5	73.2	73.2	73.2	79.2
32	1 ¼	42.2	76.2	82.6	82.6	82.6	88.9
40	1 ½	48.5	85.9	95.3	95.3	95.3	98.6
50	2	60.5	104.6	111.3	111.3	111.3	142.7
65	2 ½	73.2	124.0	130.0	130.0	130.0	165.1
80	3	88.9	136.7	149.4	149.4	149.4	168.1
90	3 ½	101.6	162.1	165.1	162.1	162.1	-
100	4	114.3	174.8	180.8	177.8	193.5	206.2
125	5	141.2	196.9	215.9	212.9	241.3	247.7
150	6	168.1	222.2	251.0	247.7	266.7	289.1
200	8	218.9	279.4	307.8	304.8	320.5	358.6
250	10	273.1	339.9	362.0	358.6	400.1	434.8
300	12	323.9	409.7	422.1	419.1	457.2	498.3
350	14	355.6	450.9	485.6	482.6	492.3	520.7
400	16	406.4	514.4	539.8	536.4	565.2	574.5
450	18	457.2	549.1	596.9	593.9	612.6	638.0
500	20	508.0	606.6	654.1	647.7	682.8	698.5
550	*22	558.8	660.4	704.9	701.8	733.6	-
600	24	609.6	717.6	774.7	768.4	790.4	838.2
GULF GASKET FACTORY DIMENSIONS REFERENCES							

GASKET DIMENSIONS TO ASME B16.21 – 2015 USED WITH ASME/ANSI B16.5 FF FLANGES (Dimensions in mm)										
DN (mm) (inch)		d1	PN 20				PN 50			
			150 lbs.				* 300 lbs.			
			D	K	d2	No of holes	D	K	d2	No of holes
15	½	21.3	88.9	60.5	15.9	4	95	67	16	4
20	¾	26.9	98.6	69.9	15.9	4	117	83	19	4
25	1	33.3	108.0	79.2	15.9	4	123	89	19	4
32	1 ¼	42.2	117.6	88.9	15.9	4	133	98	19	4
40	1 ½	48.5	127.0	98.6	15.9	4	155	114	22	4
50	2	60.5	152.4	120.7	19.1	4	165	127	19	8
65	2 ½	73.2	177.8	139.7	19.1	4	190	149	22	8
80	3	88.9	190.5	152.4	19.1	4	209	168	22	8
90	3 ½	101.6	215.9	177.8	19.1	8	228	184	22	8
100	4	114.3	228.6	190.5	19.1	8	254	200	22	8
125	5	141.2	254.0	215.9	22.4	8	279	235	22	8
150	6	168.1	279.4	241.3	22.4	8	317	270	22	12
200	8	218.9	342.9	298.5	22.4	8	381	330	25	12
250	10	273.1	406.4	362.0	25.4	12	444	387	29	16
300	12	323.9	482.6	431.8	25.4	12	520	451	32	16
350	14	355.6	533.4	476.3	28.6	12	584	514	32	20
400	16	406.4	596.9	539.8	28.6	16	647	572	35	20
450	18	457.2	635.0	577.9	31.8	16	711	629	35	24
500	20	508.0	698.5	635.0	31.8	20	774	686	35	24
550	*22	558.8	749.0	692.0	35.0	20	838	743	41	24
600	24	609.6	812.8	749.3	35.1	20	914	813	41	24
GULF GASKET FACTORY DIMENSIONS REFERENCES										



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

GASKET DIMENSIONS TO ASME B16.21 – 2015 USED WITH ASME B16.47 SERIES A (MISS SP44) RF FLANGES (Dimensions in mm)

DN (mm) (inch)		d1	D			
			PN 20	PN 50	PN 68	PN 100
			150 lbs.	300 lbs.	400 lbs.	600 lbs.
650	26	660.4	774.7	835.2	831.9	866.6
700	28	711.2	831.9	898.7	892.0	914.4
750	30	762.0	882.7	952.5	946.2	971.6
800	32	812.8	939.8	1006.3	1003.3	1022.4
850	34	863.6	990.6	1057.1	1054.1	1073.2
900	36	914.4	1047.8	1117.6	1117.6	1130.3
950	38	965.2	1111.3	1054.1	1073.4	1104.9
1000	40	1016.0	1162.1	1114.6	1132.3	1155.7
1050	42	1066.8	1219.2	1165.4	1178.1	1219.2
1100	44	1117.6	1276.4	1219.2	1231.9	1270.0
1150	46	1168.4	1327.2	1273.0	1289.1	1327.4
1200	48	1219.2	1384.3	1323.8	1346.2	1390.7
1250	50	1270.0	1435.1	1378.0	1403.4	1447.8
1300	52	1320.8	1492.3	1428.8	1454.4	1498.6
1350	54	1371.6	1549.4	1492.3	1517.7	1555.8
1400	56	1422.4	1606.6	1543.1	1568.5	1612.9
1450	58	1473.2	1663.7	1593.9	1619.3	1663.7
1500	60	1524.0	1714.5	1644.7	1682.8	1720.9

GULF GASKET FACTORY DIMENSIONS REFERENCES

GASKET DIMENSIONS TO ASME B16.21 – 2015 USED WITH ASME B16.47 SERIES B (API 605) RF FLANGES (Dimensions in mm)

DN (mm) (inch)		d1	D				
			PN 10	PN 20	PN 50	PN 68	PN 100
			75 lbs.	150 lbs.	300 lbs.	400 lbs.	600 lbs.
650	26	660.4	708.2	725.4	771.7	746.3	765.0
700	28	711.2	759.0	776.2	812.5	800.1	819.2
750	30	762.0	809.8	827.0	886.0	857.3	879.3
800	32	812.8	860.6	881.1	939.8	911.4	933.5
850	34	863.6	911.4	935.0	993.6	962.2	997.0
900	36	914.4	973.1	987.6	1047.8	1022.4	1047.8
950	38	965.2	1023.9	1044.4	1098.6	-	-
1000	40	1016.0	1074.7	1095.2	1149.4	-	-
1050	42	1066.8	1125.5	1146.0	1200.2	-	-
1100	44	1117.6	1181.1	1196.8	1251.0	-	-
1150	46	1168.4	1231.9	1255.8	1317.8	-	-
1200	48	1219.2	1282.7	1306.6	1368.6	-	-
1250	50	1270.0	1333.5	1357.4	1419.4	-	-
1300	52	1320.8	1387.3	1408.2	1470.2	-	-
1350	54	1371.6	1438.1	1463.5	1555.8	-	-
1400	56	1422.4	1495.6	1514.3	1593.9	-	-
1450	58	1473.2	1546.4	1579.6	1655.8	-	-
1500	60	1524.0	1597.2	1630.4	1704.8	-	-

GULF GASKET FACTORY DIMENSIONS REFERENCES



GASKET DIMENSIONS TO ASME B16.47 SERIES A (MISS-SP44) FF FLANGES (Dimensions in mm)											
(mm)	DN (inch)	d1	PN 20				PN 50				
			150 lbs.				* 300 lbs.				
			D	K	d2	No of holes	d1	D	K	d2	No of holes
650	26	660.4	870	806	35	24	700	971	876	45	28
700	28	711.2	927	864	35	28	750	1035	940	45	28
750	30	762.0	984	914	35	28	805	1092	997	48	28
800	32	812.8	1060	978	42	28	860	1149	1054	51	28
580	34	863.6	1111	1029	42	32	905	1206	1105	51	28
900	36	914.4	1168	1086	42	32	955	1270	1168	54	32
950	38	965.2	1238	1149	42	32	965	1168	1092	41	32
1000	40	1016.0	1289	1200	42	36	1015	1238	1156	45	32
1050	42	1066.8	1346	1257	42	36	1065	1289	1207	45	32
1100	44	1117.6	1403	1315	42	40	1120	1352	1264	48	32
1150	46	1168.4	1454	1365	42	40	1170	1416	1321	51	28
1200	48	1219.2	1511	1422	42	44	1220	1466	1372	51	32
1250	50	1270.0	1568	1480	48	44	1270	1530	1429	54	32
1300	52	1320.8	1625	1537	48	44	1320	1581	1480	54	32
1350	54	1371.6	1682	1594	48	44	1370	1657	1549	60	28
1400	56	1422.4	1746	1651	48	48	1420	1708	1600	60	28
1450	58	1473.2	1803	1708	48	48	1475	1758	1651	60	32
1500	60	1524.0	1854	1759	48	52	1525	1809	1702	60	32
GULF GASKET FACTORY DIMENSIONS REFERENCES											



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

Spiral Wound Gaskets

Spiral Wound is constructed by spirally winding alternate strips of stainless steel and strips of soft filler materials, the metal strips are electrostatically welded.

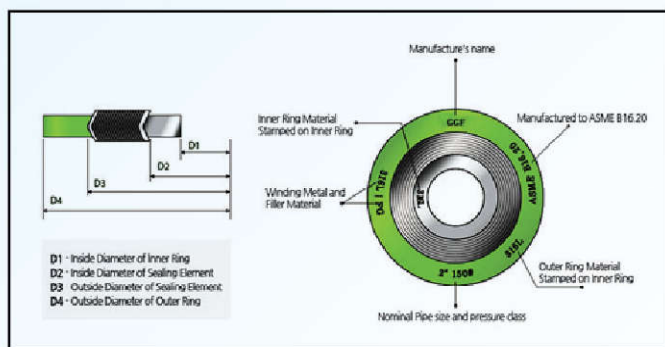
Applications:

A wide range of media including steam, oil, hydrocarbons and many chemicals.

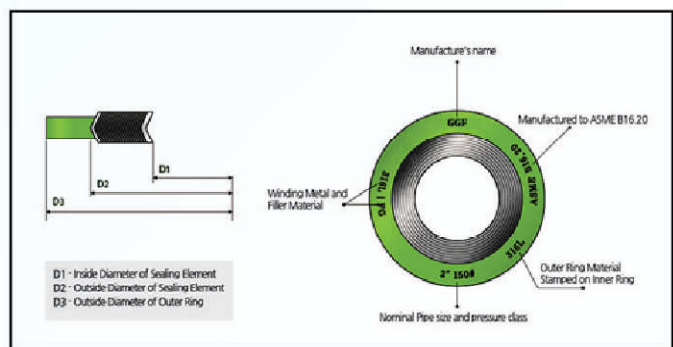
- Medium pressure gasket designed for raised and flat face application.
- Excellent tightness properties even under fluctuating load.
- Easy to handle and install.
- For class 900 and above we recommend the use of an inner ring.
- Inner ring protects windings against media and adds stability at higher pressures.

Types of Spiral Wound Gaskets as follows:

01. SPW (IR & OR)



02. SPW (OR ONLY)



Dimension Table

DIMENSIONS FOR SPIRAL WOUND GASKETS TO ASME B16.20 USED WITH ASME/ANSI B16.5 (API 601) FLANGES																						
DN (mm)	(inch)	d1					d2					d3		d4								
		PN 20- PN 50	PN 68- PN 100	PN 150	PN 250	PN 420	PN 20- PN 50	PN 68- PN 100	PN 150	PN 250	PN 420	PN 20- PN 100	PN150- PN 420	PN 20	PN 50	PN 68	PN 100	PN 150	PN 250	PN 420		
		150 300 lbs.	400 600 lbs.	900 lbs.	1500 lbs.	2500 lbs.	150 300 lbs.	400 600 lbs.	900 lbs.	1500 lbs.	2500 lbs.	150 – 600 lbs.	900- 2500 lbs.	150 lbs.	300 lbs.	400 lbs.	600 lbs.	900 lbs.	1500 lbs.	2500 lbs.		
15	½	14.2	14.2	-	14.2	14.2	19.1	19.1	19.1	19.1	19.1	31.8	31.8	47.8	54.1	54.1	54.1	63.5	63.5	69.9		
20	¾	20.6	20.6	-	20.6	20.6	25.4	25.4	25.4	25.4	25.4	39.6	39.6	57.2	66.8	66.8	66.8	69.9	69.9	76.2		
25	1	26.9	26.9	-	26.9	26.9	31.8	31.8	31.8	31.8	31.8	47.8	47.8	66.8	73.2	73.2	73.2	79.5	79.5	85.9		
32	1 ¼	38.1	38.1	-	33.3	33.3	47.8	47.8	39.6	39.6	39.6	60.5	60.5	76.2	82.6	82.6	82.6	88.9	88.9	104.9		
40	1 ½	44.5	44.5	-	41.4	41.4	54.1	54.1	47.8	47.8	47.8	69.9	69.9	85.9	95.3	95.3	95.3	98.6	98.6	117.6		
50	2	55.6	55.6	-	52.3	52.3	69.9	69.9	58.7	58.7	58.7	85.9	85.9	104.9	111.3	111.3	111.3	143	143	146		
65	2 ½	66.5	66.5	-	63.5	63.5	82.6	82.6	69.9	69.9	69.9	98.6	98.6	124	130.3	130.3	130.3	165.1	165.1	168.4		
80	3	81	78.7	78.7	78.7	78.7	101.6	101.6	95.3	92.2	92.2	120.7	120.7	136.7	149.4	149.4	149.4	168.4	174.8	196.9		
190	3 ½	93.7	93.7	-	-	-	114.3	104.8	104.8	104.8	-	133.4	133.4	161.9	165.1	161.9	161.9	190.5	187.3	-		
100	4	106.4	102.6	102.6	97.8	97.8	127	120.7	120.7	117.6	117.6	149.4	149.4	174.8	181.1	177.8	193.8	206.5	209.6	235		
125	5	131.8	128.3	128.3	124.5	124.5	155.7	147.6	147.6	143	143	177.8	177.8	196.9	215.9	212.9	241.3	247.7	254	279.4		
150	6	157.2	154.9	154.9	147.3	147.3	182.6	174.8	174.8	171.5	171.5	209.6	209.6	222.3	251	247.7	266.7	289.1	282.7	317.5		
200	8	215.9	205.7	196.9	196.9	196.9	233.4	225.6	222.3	215.9	215.9	263.7	257.3	279.4	308.1	304.8	320.8	358.9	352.6	387.4		
250	10	268.3	255.3	246.1	246.1	246.1	287.3	274.6	276.4	266.7	270	317.5	311.2	339.9	362	358.9	400.1	435.1	435.1	476.3		
300	12	317.5	307.3	292.1	292.1	292.1	339.9	327.2	323.9	323.9	317.5	374.7	368.3	409.7	422.4	419.1	457.2	498.6	520.7	549.4		
350	14	349.3	342.9	320.8	320.8	-	371.6	362	355.6	362	-	406.4	400.1	450.9	485.9	482.6	492.3	520.7	577.9	-		
400	16	400.1	389.9	374.7	368.3	-	422.4	412.8	412.8	406.4	-	463.6	457.2	514.4	539.8	536.7	565.2	574.8	641.4	-		
450	18	449.3	438.2	425.5	425.5	-	474.7	469.9	463.6	463.6	-	527.1	520.7	549.4	596.9	593.9	612.9	638.3	704.9	-		
500	20	500.1	489	482.6	476.3	-	525.5	520.7	520.7	514.4	-	577.9	571.5	606.5	654.1	647.7	682.8	698.5	755.7	-		
600	24	603.3	590.6	590.6	577.9	-	628.7	628.7	628.7	616	-	685.8	679.5	717.6	774.7	768.4	790.7	838.2	901.7	-		
*DN 3 ½ in. (90mm) Gulf Gasket Manufacturing Dimension																						
GULF GASKET FACTORY DIMENSIONS REFERENCES																						



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

DIMENSIONS FOR SPIRAL WOUND GASKETS TO ASME B16.20 USED WITH ASME B16.47 SERIES A (MISS-SP44) FLANGES																					
DN		d1					d2					d3					d4				
(mm)	(inch)	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150
		150	300	400	600	900	150	300	400	600	900	150	300	400	600	900	150	300	400	600	900
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
550	*22	552.5	552.5	552.5	552.5	-	577.9	577.9	577.9	577.9	616.0	609.6	628.7	628.7	628.7	685.8	660.4	704.8	701.7	733.4	838.2
650	26	654.1	654.1	660.4	647.7	660.4	673.1	685.8	685.8	685.8	704.9	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6
700	28	704.9	704.9	711.2	698.5	711.2	723.9	736.6	736.6	736.6	736.6	755.7	787.4	787.4	787.4	831.9	898.7	892.3	914.4	946.2	
750	30	755.7	755.7	755.7	755.7	768.4	774.7	793.8	793.8	793.8	793.8	806.5	844.6	844.6	844.6	844.6	882.7	952.5	946.2	971.6	1009.7
800	32	806.5	806.5	812.8	812.8	812.8	825.5	850.9	850.9	850.9	850.9	860.6	901.7	901.7	901.7	901.7	939.8	1006.6	1003.3	1022.4	1073.2
850	34	857.3	857.3	863.6	863.6	863.6	876.3	901.7	901.7	901.7	901.7	911.4	952.5	952.5	952.5	952.5	990.6	1057.4	1054.1	1073.2	1136.7
900	36	908.1	908.1	917.7	917.7	920.8	927.1	955.8	955.8	955.8	958.9	968.5	1006.6	1006.6	1006.6	1009.7	1047.8	1117.6	1117.6	1130.3	1200.2
950	38	958.9	952.5	952.5	952.5	1009.7	977.9	977.9	971.6	990.6	1035.1	1019.3	1016.0	1022.4	1041.4	1085.8	1111.3	1054.1	1073.2	1104.9	1200.2
1000	40	1009.7	1003.3	1000.3	1009.7	1060.5	1028.7	1022.4	1025.7	1047.8	1098.6	1070.1	1070.1	1076.5	1098.6	1149.4	1162.1	1114.6	1127.3	1155.7	1251.0
1050	42	1060.5	1054.1	1051.1	1066.8	1111.3	1079.5	1073.2	1076.5	1104.9	1149.4	1124.0	1120.9	1127.3	1155.7	1200.2	1219.2	1165.4	1178.1	1219.2	1301.8
1100	44	1111.3	1104.9	1104.9	1111.3	1155.7	1130.3	1130.3	1130.3	1162.1	1206.5	1178.1	1181.1	1181.1	1212.9	1257.3	1276.4	1219.2	1231.9	1270.0	1368.6
1150	46	1162.1	1152.7	1168.4	1162.1	1219.2	1181.1	1178.1	1193.8	1212.9	1270.0	1228.9	1228.9	1244.6	1263.7	1320.8	1327.2	1273.3	1289.1	1327.2	1435.1
1200	48	1212.9	1209.8	1206.5	1219.2	1270.0	1231.9	1235.2	1244.6	1270.0	1320.8	1279.7	1286.0	1295.4	1320.8	1371.6	1384.3	1324.1	1346.2	1390.7	1485.9
1250	50	1263.7	1244.6	1257.3	1270.0	-	1282.7	1295.4	1295.4	1320.8	-	1333.5	1346.2	1346.2	1371.6	-	1435.1	1378.0	1403.4	1447.8	-
1300	52	1314.5	1320.8	1308.1	1320.8	-	1333.5	1346.2	1346.2	1371.6	-	1384.3	1397.0	1397.0	1422.4	-	1492.3	1428.8	1454.2	1498.6	-
1350	54	1358.9	1352.6	1352.6	1378.0	-	1384.3	1403.4	1403.4	1428.8	-	1435.1	1451.2	1451.2	1479.6	-	1519.4	1492.3	1517.7	1555.8	-
1400	56	1409.7	1403.4	1403.4	1428.8	-	1435.1	1454.2	1454.2	1479.6	-	1485.9	1505.0	1505.0	1530.4	-	1606.6	1543.1	1568.5	1612.9	-
1450	58	1460.5	1447.8	1454.1	1473.2	-	1485.9	1511.3	1505.0	1536.7	-	1536.7	1562.1	1555.8	1587.5	-	1663.7	1593.8	1619.3	1663.7	-
1500	60	1511.3	1524.0	1517.7	1530.4	-	1536.7	1562.1	1568.5	1593.9	-	1587.5	1612.9	1619.3	1644.7	-	1714.5	1644.7	1682.8	1733.6	-
*DN 22 in. (550mm) Gulf Gasket Manufacturing Dimension																					
GULF GASKET FACTORY DIMENSIONS REFERENCES																					

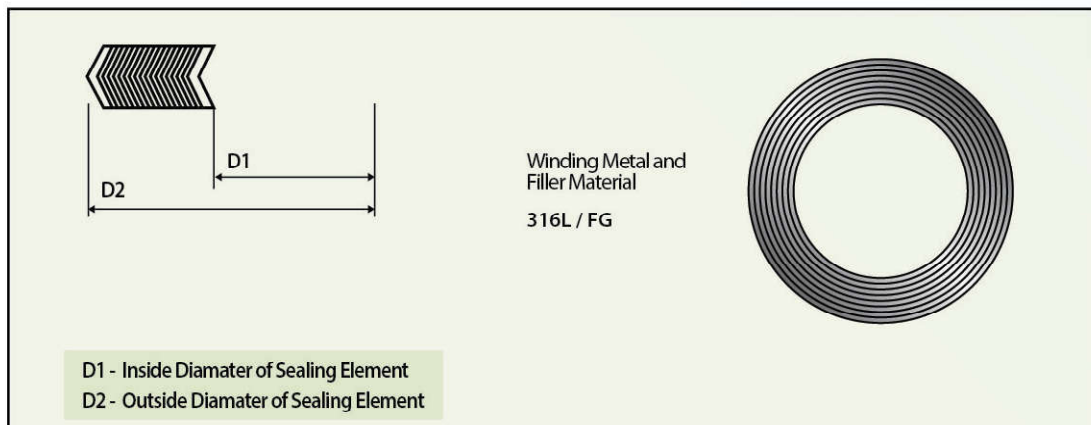
*DN 22 in. (550mm) Gulf Gasket Manufacturing Dimension

GULF GASKET FACTORY DIMENSIONS REFERENCES

DIMENSIONS FOR SPIRAL WOUND GASKETS TO ASME B16.20 USED WITH ASME B16.47 SERIES B (API 605) FLANGES																					
DN		d1					d2					d3					d4				
(mm)	(inch)	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150	PN 20	PN 50	PN 68	PN 100	PN 150
		150	300	400	600	900	150	300	400	600	900	150	300	400	600	900	150	300	400	600	900
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
650	26	654.1	654.1	654.1	644.7	666.8	673.1	673.1	666.8	663.8	692.2	698.5	711.2	698.5	714.5	749.3	725.4	771.7	746.3	765.3	838.2
700	28	704.9	704.9	701.8	685.8	717.6	723.9	723.9	714.5	704.9	743.0	749.3	762.0	749.3	755.7	800.1	776.2	825.5	800.1	819.2	901.7
750	30	755.7	755.7	752.6	752.6	781.4	774.7	774.7	765.3	778.0	806.5	800.1	812.8	806.5	828.8	857.3	827.0	886.0	857.3	879.6	958.9
800	32	806.5	806.5	800.1	793.8	838.2	825.5	825.5	812.8	831.9	863.6	850.9	863.8	860.6	882.7	914.4	881.1	939.8	911.4	933.5	1016.0
850	34	857.3	857.3	850.9	850.9	895.4	876.3	876.3	866.9	889.0	920.8	908.1	914.4	911.4	939.8	971.6	935.0	993.9	962.2	997.0	1073.2
900	36	908.1	908.1	898.7	901.7	920.8	927.1	927.1	917.7	939.8	946.2	958.9	965.2	965.2	990.6	997.0	987.5	1047.8	1022.4	1047.8	1124.0
950	38	958.9	971.6	952.5	952.5	1009.7	974.6	1009.7	971.6	990.6	1035.1	1009.7	1047.8	1022.4	1041.4	1085.9	1044.7	1098.6	1073.2	1104.9	1200.2
1000	40	1009.7	1022.3	1000.3	1009.7	1060.5	1022.4	1060.5	1025.7	1047.8	1098.6	1063.8	1098.6	1076.5	1098.6	1149.5	1095.5	1149.4	1127.3	1155.7	1251.0
1050	42	1060.5	1085.8	1051.1	1066.8	1111.3	1079.5	1111.3	1076.5	1104.9	1149.4	1114.6	1149.4	1127.3	1155.7	1200.2	1146.3	1200.2	1178.1	1219.2	1301.8
1100	44	1111.3	1124.0	1104.9	1111.3	1155.7	1124.0	1162.1	1130.3	1162.0	1206.5	1165.4	1200.2	1181.1	1212.9	1257.3	1197.1	1251.0	1231.9	1270.0	1368.6
1150	46	1162.1	1178.1	1168.4	1162.1	1219.2	1181.1	1216.2	1193.8	1212.9	1270.0	1124.0	1254.3	1244.6	1263.7	1320.8	1255.8	1317.8	1289.1	1327.2	1435.1
1200	48	1212.9	1231.9	1206.5	1219.2	1270.0	1231.9	1263.7	1244.6	1270.0	1320.8	1270.0	1311.4	1295.4	1320.8	1371.6	1306.6	1368.6	1346.2	1390.7	1485.9
1250	50	1263.7	1267.0	1257.3	1270.0	-	1282.7	1317.8	1295.4	1320.8	-	1325.6	1355.9	1346.2	1371.6	-	1357.4	1419.4	1403.4	1447.8	-
1300	52	1314.5	1317.8	1308.1	1320.8	-	1333.5	1368.6	1346.2	1371.6	-	1376.4	1406.7	1397.0	1422.4	-	1408.2	1470.2	1454.2	1498.6	-
1350	54	1365.3	1365.3	1352.6	1378.0	-	1384.3	1403.4	1403.4	1428.8	-	1422.4	1454.2	1454.2	1479.6	-	1463.8	1530.4	1517.7	1555.8	-
1400	56	1422.4	1428.8	1403.4	1428.8	-	1444.8	1479.6	1454.2	1479.6	-	1477.8	1524.0	1505.0	1530.4	-	1514.6	1593.9	1568.5	1612.9	-
1450	58	1478.0	1484.4	1454.2	1473.2	-	1500.4	1535.2	1505.0	1536.7	-	1528.8	1573.3	1555.8	1587.5	-	1579.6	1655.8	1619.3	1663.7	-
1500	60	1535.2	1557.3	1517.7	1530.4	-	1557.3	1589.0	1568.5	1593.9	-	1586.0	1630.4	1619.3	1644.7	-	1630.4	1706.6	1682.8	1733.6	-
GULF GASKET FACTORY DIMENSIONS REFERENCES																					

GULF GASKET FACTORY DIMENSIONS REFERENCES

03. SPW (BASIC TYPE)



Camprofile Gaskets

Metal core with Non-Metallic facing (Graphite, Vermiculite, MICA and PTFE)

Applications:

A wide range of media including steam, oil, hydrocarbons and many chemicals.

- Medium pressure gasket with a wide range sealing stress range.
- Excellent tightness at low bolt loads.
- Reusable metallic core can be refaced with graphite after service



It is available in a range of materials cores and facing materials including PTFE for reference

SPECIFICATIONS	
Type	: Camprofile Gasket
Material	: 316L / Graphite
Max. temperature	: 450 °C
Max. pressure	: 100 bar
Core thickness	: 3 mm, other thicknesses available
Facing thickness	: 2 X 0.5 mm, alternative: 1 mm.

Corrugated Gaskets



The gasket consists of a stainless-steel wave stainless steel plate with a graphite foil seal seat on both sides. The graphite layers and metallic core profile are adjusted in such a way that a wave crest overlap of 0.1 to 0.2 mm is guaranteed in the restraint condition. This achieves a very low diffusion cross-section. In addition, there is also a high density of the graphite in these areas.

Great very high tightness ($\sigma_{VU} 0,01 = 22 \text{ MPa}$) is already achieved at very low surface stress. Further features of the gaskets are good adaptability and elastic recovery properties, blow-out safety, good stability and manageability.

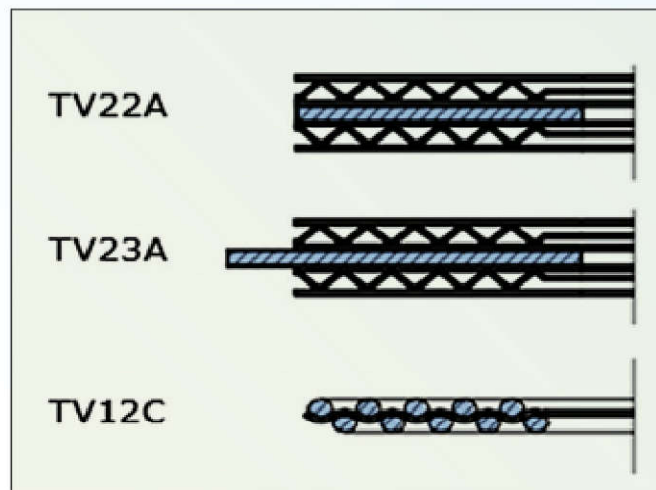
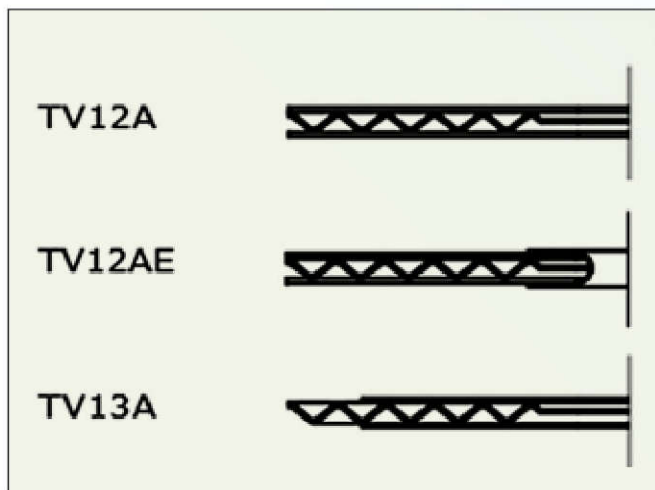
Corrugated metallic gaskets have their advantage when it comes to rising and ebbing pressures and temperatures, flexible or contorted flange sealing faces as well as for low surface stress.

The gaskets can be fabricated in ring, oval, elongated oval and rectangular frame shapes.

Benefits

Corrugated gaskets are universally usable sealing elements. Due to the different possibilities of manufacture in the form of rings, ovals, long ovals or frames, which can be with or without ribs, holes, and fixing loops, the field of application for these gaskets continuously expands. The gaskets can be completely or partly covered.

Gasket Profiles:



Gasket Dimensions and Shapes

Shapes of corrugated gaskets can be circular, oval, rectangular, etc. Dimensions of the gaskets are available from 50 mm to 4000 mm according EN or ASME standard or in non-standard dimensions according to customer's request.

Materials Used For Corrugated Gaskets

- Metal core materials: low carbon steel and different stainless steel
- Sealing layers: expanded graphite, CSF, PTFE, mica



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

Grooved Gaskets



Grooved gaskets are excellently suited for sealing of media under extreme operating conditions, such as high operating pressures and temperatures. They combine the specific properties of soft material gaskets (great alignment onto the flange sealing surface) and metal gaskets (high stability and rupture strength). Very low diffusion level and very high density ensure very low leakage rates.

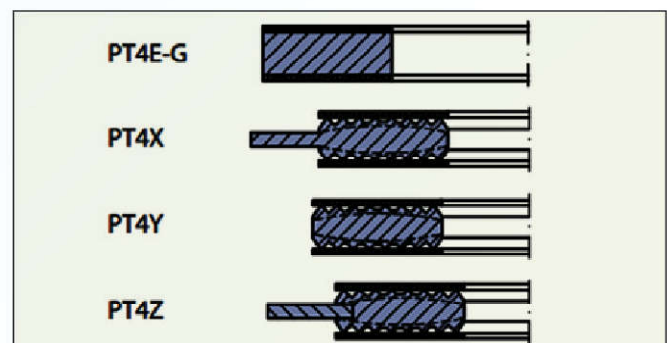
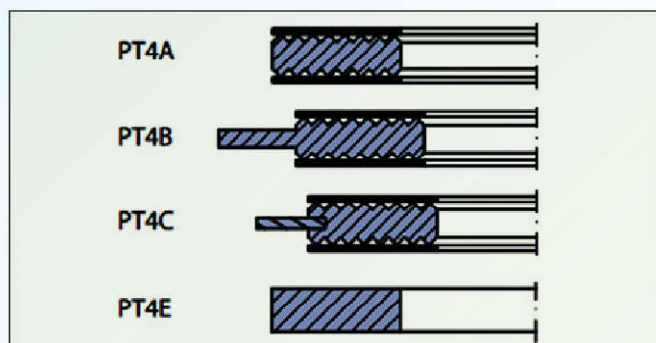
Grooved gaskets are ideal replacements for problem applications associated with other similar gaskets as metal jacketed, solid metal, solid graphite or PTFE gaskets. The metal core profiling, layer thickness and material are so aligned that the layer material is highly compressed, thus presenting low cross-sectional diffusion.

Due to the reduced sealing area, only low seating stress and low bolt load are required.

Benefits

Grooved gaskets are excellently suited for sealing of media under extreme operating conditions, such as high operating pressures and temperatures. They combine the specific properties of soft material gaskets and metal gaskets.

Gasket Profiles:



Material	AISI/ASTM	DIN EN 10 027-2 MATERIAL No.	DIN EN 10 027-1 Specification	BS	CSN Specification	Temperature (°C)		Hardness (HB)
						Min	Max	
Carbon Steel	238-C	1.0038	RSt. 37.2 CS	40B	11 375	-40	+500	100 – 130
Low carbon Steel	/	1.1003	M2/ARMCO	/	/	-60	+500	90 – 110
Stainless Steel	304	1.4301	X5CrNi 18	304S15/16/31	17 240	-200	+550	130 – 180
Stainless Steel	304L	1.4307	X2CrNi 189	304S11	17 249	-270	+550	130 – 190
Stainless Steel	309	1.4828	X15CrNiSi 2012	309S24	17 251	-110	+1000	130 – 190
Stainless Steel	316	1.4401	X5CrNiMo 1810	316S31/33	17 346	-200	+550	130 – 180
Stainless Steel	316Ti	1.4571	X10CrNiMoTi 1810	320S31	17 348	-270	+550	130 – 190
Stainless Steel	316L	1.4404	X2CrNiMo 1810	316S11/13	17 349	-200	+550	130 – 190
Stainless Steel	321	1.4541	X10CrNiTi 189	321S12/49/87	17 247	-270	+550	130 – 190

Materials Used For Grooved Gaskets:

- Metal core materials: carbon and stainless steels
- Sealing layers: expanded graphite, PTFE and ceramic paper

Gasket Dimensions and Sizes

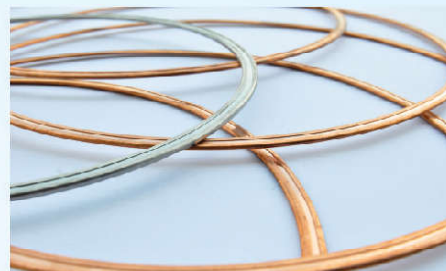
Standard sizes are made according to EN or ASME/ANSI, non-standard sizes are available on request. Dimensions of grooved gaskets can be from 15 mm to 4000 mm.



Heat Exchanger Gaskets

Metal Jacketed Gaskets

Metal Jacketed Gasket are the most basic type of semi-metallic gasket 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 Gaskets can be manufactured to suit a range of chemical environments by the selection of a suitable jacketing metal, the following materials are available:

MATERIALS		
Soft Iron	Stainless Steel 410	Brass
Stainless Steel 304	Soft Steel	Copper
Stainless Steel 316	Monel	Aluminum
Stainless Steel 316L	Inconel	Titanium
Stainless Steel 347	SS-347	Nickel

General Properties

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

Applications

- Heat Exchangers
- Exhaust Gases
- Valve Bonnet Gasket
- Narrow Flanges



It is available in a range of metals and filler materials for your reference.

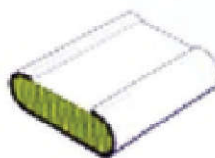
SPECIFICATIONS	
Material	: Soft Iron / Graphite
Max. temperature	: 600 °C
Max. pressure	: 100 bar
Thickness	: 3 mm, other thicknesses available

TYPE OF METAL JACKETED GASKETS



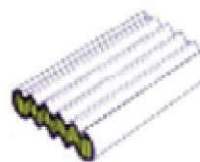
Double Jacketed Gasket

Used on high temperature and pressure applications or where corrosion problem may exist.



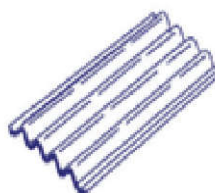
Single Jacketed Gasket

Used on applications where poor or pitted flanges exist.



Double Jacketed Corrugated (Soft Filler)

Reduced contact area, enhances compressive characteristics, suitable for uneven flanges.



Single Corrugated (No filler)

Used mainly in valve applications, small recess gap



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

Double Jacketed Gaskets

We can manufacture by Ferrous and non-ferrous metal and the filler will be graphite or non-asbestos as per customer requirement.

Applications:

Boilers and heat exchangers, suitable for narrow sealing faces.

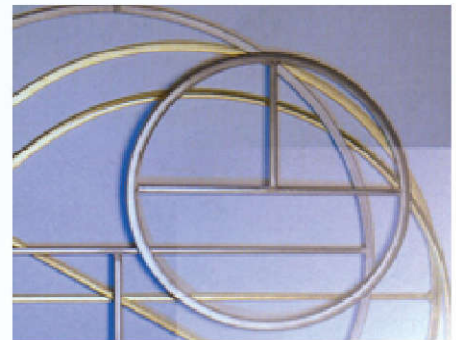
- Metal jacket provides increased gasket stability and blow-out resistance.
- Chemical resistance to a wide range of media can be accommodated by selection of a suitable metal.



For more information, you can refer to the follow table:

SPECIFICATIONS	
Material	: Soft Iron / Graphite
Max. temperature	: 600 °C
Max. pressure	: 100 bar
Thickness	: 3 mm, other thicknesses available

Also, available in a range of metals and filler materials.



Insulation Kit



Insulation sets are used to limit corrosion in pipeline systems. Where dissimilar metals are present. The sets remove the possibility of the system acting as galvanic cell and reduce the risk of galvanic corrosion of the pipework.

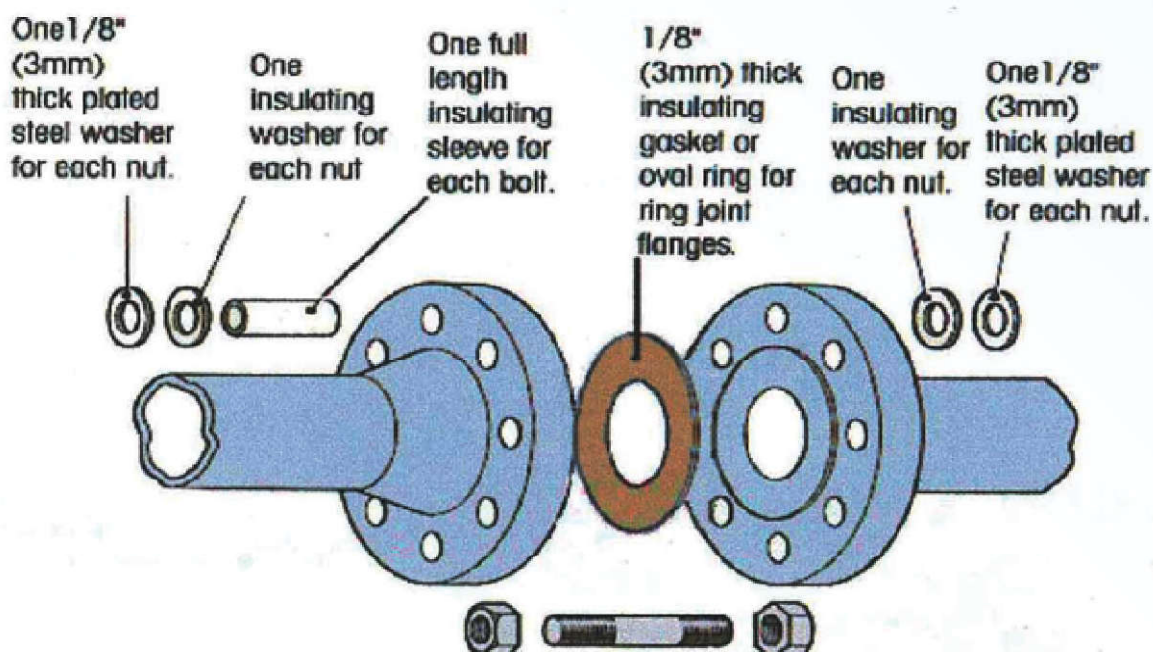
Insulation sets are also used to isolate cathodically protected piping systems where they prevent the flow of electro-static charge.

Insulation Sets

Component	Neoprene Faced Phenolic	Reinforced Phenolic	Polyethylene	Phenolic	Mylar	Compressed Synthetic-fiber
	Gasket	Insulating Washer	Insulating Sleeve	Insulating Sleeve	Insulating Sleeve	Gasket
Dielectric Strength (V/mm)	500	200	400	140	4000	1500
Compressive Strength (N/mm ²)	270	270	-	-	-	-
Flexural Strength (N/mm ²)	155	155	-	-	-	-
Water Absorption (%)	1.6	1.0	0.01	1.0	0.8	10.6
Max. Operating Temp. (°C)	107	107	66	107	180	400

Each flange insulation set comprises one central flat or oval section gasket, one insulation sleeve per bolt and two insulating and two plated steel washers per bolt. The sets are individually packed and clearly labeled with the flange rating, size, and type and material combination.

Typical Example of Insulation Components:



GULF GASKET FACTORY

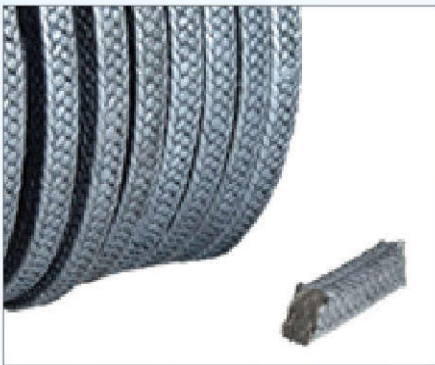
FLUID SEALING PRODUCTS

Gland Packing

To aid the correct selection of the most appropriate topline grade and to ensure that a high integrity seal is achieved during application, the following fundamental questions are to be answered.

- 1) Application type i.e. valve, rotary pump etc.
- 2) Media and concentration
- 3) Maximum Temperature
- 4) Maximum Pressure
- 5) Shaft Speed
- 6) Special conditions i.e. Fire – Safe, WRc, BAM approval
- 7) Dimensions & details of stuffing box

The success of Topline compression packing in sealing is a function of all these factors and following these guidelines may generate a selection of suitable grades.



Galvanizing

Electro Galvanizing

We do as per BS 1706, BS 3382 and defined Ministry Standard No. 03-20/1. This is equivalent to ASTM STD. No B633-class 4 (B633-89), Refer to table 1 for thickness purpose; it can also be acceptable as per ASTM A153 class C requirement.



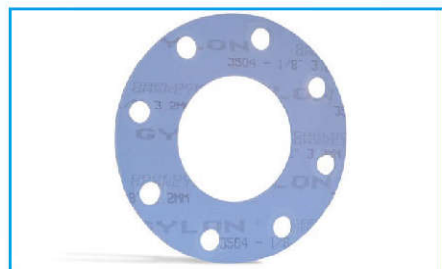
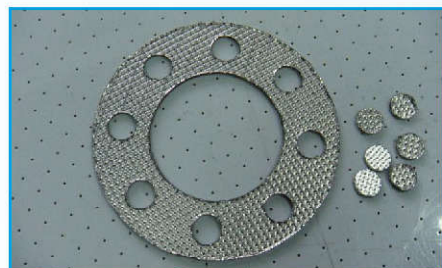
PHOTOS OF PRODUCT

Metallic Gaskets

Ring Joint Gaskets



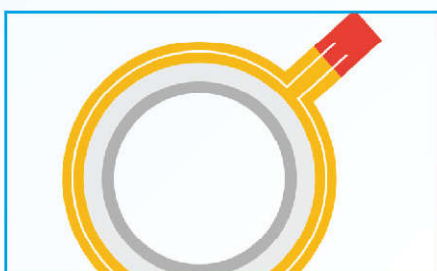
Non – Metallic Gaskets



PHOTOS OF PRODUCT

Semi – Metallic Gaskets

Spiral Wound Gaskets (all types & sizes)



Camprofile Gaskets



PHOTOS OF PRODUCT

Grooved Gaskets



Corrugated Gaskets

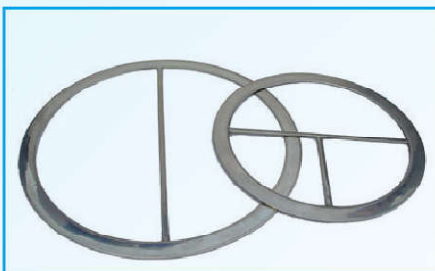


GULF GASKET FACTORY

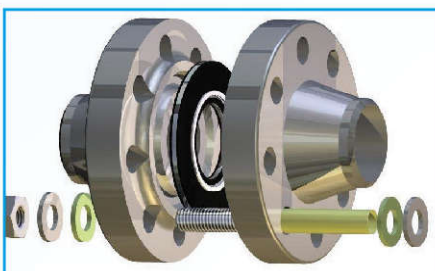
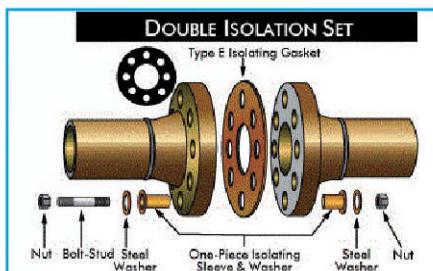
FLUID SEALING PRODUCTS

PHOTOS OF PRODUCT

Heat Exchanger Gaskets (*Metal Jacketed Gaskets & Double Jacketed Gaskets*)



Insulation Kit

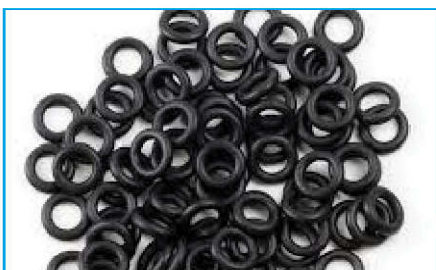


PHOTOS OF PRODUCT

Graphite Gaskets



O Ring



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

CUSTOMER VENDOR ID NUMBER REFERENCES

NO.	COMPANY NAME	VENDOR NUMBER
1	Saudi Arabian oil Company (ARAMCO)	10012476
2	Saudi Basic Industrial Corporation (SABIC)	500190
3	Abu Dhabi Gas Industries Ltd. (GASCO)	042850
4	Abu Dhabi Gas Liquefaction Company Limited (ADGAS)	00368
5	Abu Dhabi Company for Onshore Petroleum Operations Ltd. (ADCO)	006927
6	Abu Dhabi Polymers Co. Ltd	702748
7	Qatar Petroleum	302553
8	Oman Refinery	212357
9	Marafiq	1104
10	Abu Dhabi Oil Refining Co. (TAKREER)	042850
11	ADMA - OPCO	10367
12	Maaden	5073
13	Saudi Aramco Shell Refinery Company (SASREF)	1002940
14	Saudi Aramco Mobil Refinery Company (SAMREF)	10180



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

LIST OF VALUED CLIENTS

أرامكو السعودية
saudi aramco

سابك
sabik

Technip

NPCC
شركة البعثات البترولية الوطنية

جاسكو
GASCO
شركة أبوظبي للصناعات الغازية المحدودة
Abu Dhabi Gas Industries Ltd.

كيمانتول
CHEMANOL
شركة كيماويات الميثانول
METHANOL CHEMICALS COMPANY

Hanwha

HYUNDAI
ENGINEERING & CONSTRUCTION

McDERMOTT

JGC

MA'ADEN
معادن
Saudi Arabian Mining Company

LG
Life's Good

HITACHI

SAIPEM

الشركة الوطنية للحديد
NATIONAL STEEL CO.

CC

DESCON
OLAYAN

بترو رابغ
Petro Rabigh

قافكو
QAFCO
شركة قطر للأسمدة الكيماوية
QATAR FERTILISER COMPANY

QAPCO
شركة قطر للبتروكيماويات
QATAR PETROCHEMICAL COMPANY
In just about everything

قطر للبترول
Qatar Petroleum

BECHTEL

سامرف
Samref

الشركة السعودية للكهرباء
Saudi Electricity company

SNC • LAVALIN

تكرير
TAKREER
شركة أبوظبي لتكرير النفط

بروج
Borouge

Yanbu STEEL

Petrofac
Petrofac Emirates
بتروفك الإمارات

WEHR

السويدي
AL-SUWAIIDI
AL-SUWAIIDI REFINING CO.

TECNICAS REUNIDAS



GULF GASKET FACTORY

FLUID SEALING PRODUCTS

SAUDI ARAMCO CERTIFICATE

Saudi Arabian Oil Company
Purchasing Department
D-104, North Park 1
Dhahran 31311
Saudi Arabia
SRM&LMU-055-07

Tel.: (966 3) 874-0337
Fax: (966 3) 874-0015

June 25, 2007

Mr. Abdullah Al-Binali, General Manager
Gulf Gasket Factory
P. O. Box 139
Dammam 31952

Fax: 812-1319

Dear Sir:

We are pleased to inform you that your company is included in the Saudi Aramco Supplier Information System under Vendor Code 10012476, plant no. 30000427 for the following products, provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards:

9COM	Description
6000000373	Gasket; Metal jacketed
6000000365	Gasket; Spiral wound; ASME B16.20
6000000364	Gasket; Ring; non-metallic; ASME B16.21
6000000371*	Gasket; Solid metal, ring type*
6000000380	Gasket; Metal grooved
6000000381	Gasket; Specialty, ring non-metallic
6000000383	Gasket; Spiral wound, heat exchanger
6000000384	Gasket; Metal grooved, heat exchanger
6000000385	Gasket; Specialty, heat exchanger
6000000374	Gasket; Precut, synthetic fiber based
6000000375	Gasket; Precut, graphite based
6000000376	Gasket; Precut, elastomer based

*The above new additional material is approved

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you, but your company will have the opportunity along with other approved sources to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

We would like to thank you for your interest in Saudi Aramco, and take this opportunity to reiterate that it is Saudi Aramco's policy to encourage the use of nationally manufactured materials.

For further information or assistance, please contact Husain M. Al-Saihati on 874-0321.

 06/26/2007

Sincerely yours,
Bader A. Bin-Umar, Supervisor
Supplier Relation Mngmt & Local Mfr. Unit





Lloyd's Register
LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Management System of:

**Gulf Gasket Factory
Al-Taif St., Cross 65
2nd Industrial City
Dammam
Kingdom of Saudi Arabia**

has been approved by Lloyd's Register Quality Assurance
to the following Management System Standards:

**ISO 9001:2008
EN ISO 9001:2008
BS EN ISO 9001:2008**

The Management System is applicable to:

**Manufacture & Procurement of Metallic Spiral Wound,
Ring Joint & Heat Exchanger Jacketed Gaskets
& Non-Metallic Cut Gaskets**

Approval

Original Approval: 25 June 1998

Certificate No: MEA3105018

Current Certificate: 20 December 2015

Certificate Expiry: 14 September 2018

Issued by: Lloyd's Register Quality Assurance Limited



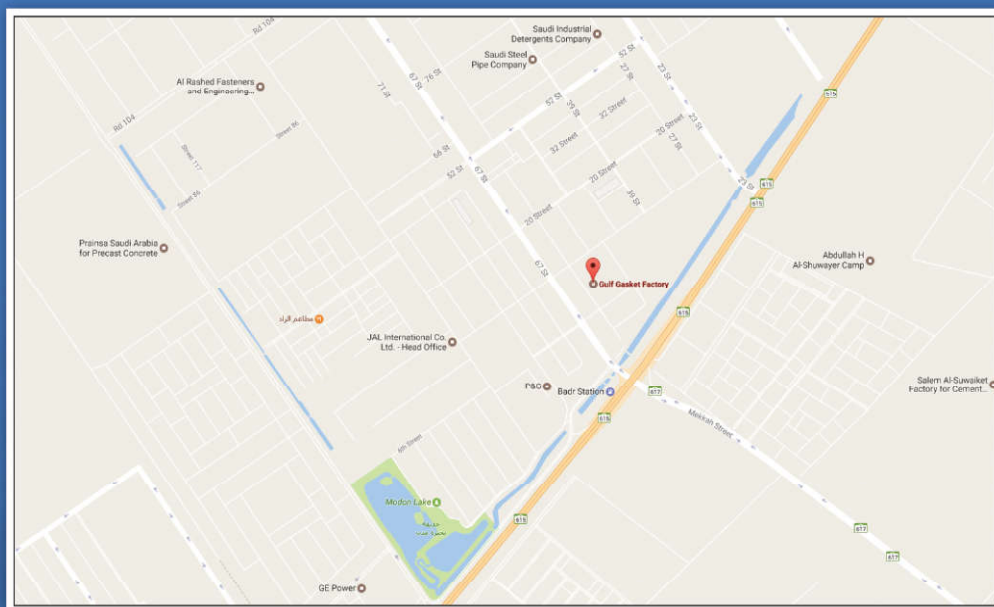
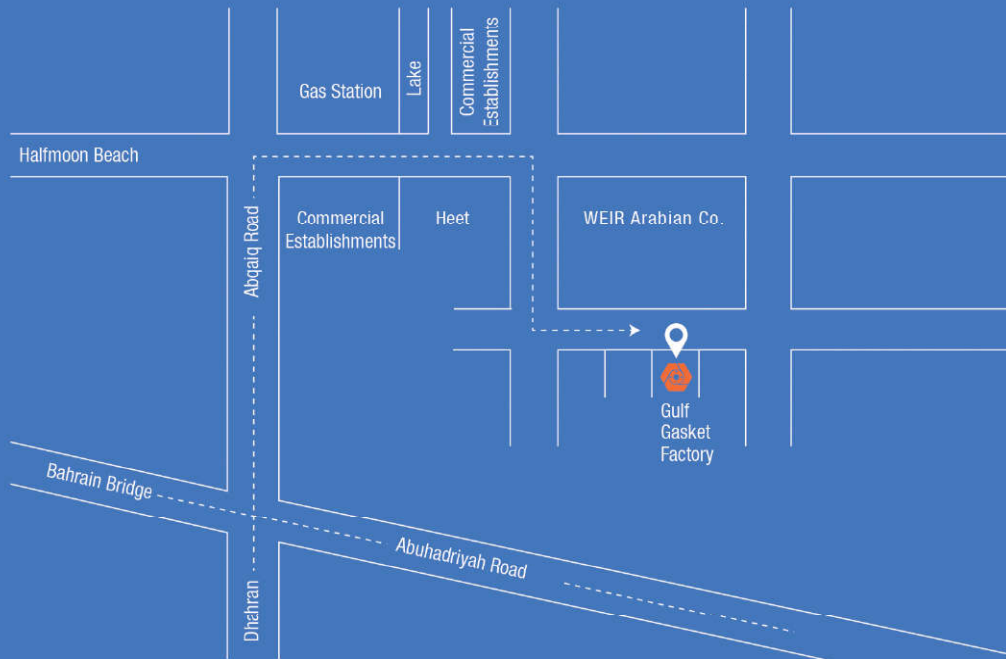
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Issued by LRQA Ltd, Dubai, Festival Office Tower, Suite 2001, Dubai Festival City, Dubai
for and on behalf of LRQA Ltd, 1 Trinity Park, Bickenhill Lane, Birmingham, B37 7ES, United Kingdom

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

Macro Revision 15

Gulf Gasket Factory Second Industrial City Dammam Location Map



Gulf Gasket Factory
Fluid Sealing Products

Factory:

Al Taif Street, 2nd Industrial City,
Dammam - Saudi Arabia

Sales & Marketing:

Tel. : +966 13 812 1121
+966 13 812 1319
Fax : +966 13 812 1947
E-mail: ggf-sales@gulfgasket.com
Web. : www.gulfgasket.com

Corporate Headquarters:

P.O. Box 139, Al-Khobar 31952
Kingdom of Saudi Arabia

Tel. : +966 13 864 7459
+966 13 864 1021
Fax : +966 13 898 5525
E-mail: ardpartner@gmail.com



Lloyd's
Register

