# Flange Gaskets and Spiral Wound Metal Gaskets

**(WiThermoseal**)

**FLANGE GASKETS** (KLINGERSIL C-4401)

■ Max. pressure: 150 psi ■ Temp. range: 0° to 750°F

Feature greater sealability, chemical resistance, and good creep relaxation.

### SPIRAL WOUND METAL GASKETS

- Max. pressure: 150 psi
- Temp. range: 0° to 932°F

Suitable for use on raised face and flat face flanges. Type CR gaskets feature a solid metal outer ring that functions as a centering device and a compression stop. Type CRIR gaskets feature solid metal outer and inner rings that help protect the inner windings of the gasket element from high temperatures.



Pipe Size	Inside Dia.	Outside Dia.	Туре	Item No.	Pipe	Inside	Outside	Tuno	Item	Pipe	Inside	Outside	T	Item
	Gasket, 1/1		турс	NU.	Size	Dia.	Dia. tal Gasket. ¾	Type	No.	Size	Dia.	Dia.	Type	No.
	tic Fiber wi		inder				lai uasket, 9 le Graphite	16 HHGK		Spiral Wound Metal Gasket, ¾6" Thick (Cont.) 304SS and Flexible Graphite (Cont.)				
½ in	27/32 in	1 % in	iliuoi	45CE38	½ in	3/4 in	1 % in	CR ANSI Class 150	45CE37	6 in	7 3/16 in		CRIR ANSI Class 150	45CE06
3/4 in	1 ½ in	2 ½ in	_	45CD97								8 3/4 in		
			_		1/2 in	3/4 in	1 % in	CRIR ANSI Class 150	45CD81	8 in	9 ¾16 in	11 in	CR ANSI Class 150	45CD92
1 in	1 5/16 in	2 % in	_	45CD95	3/4 in	1 in	2 1/4 in	CR ANSI Class 150	45CE47	8 in	9 ¾16 in	11 in	CRIR ANSI Class 150	45CD99
1 ½ in	1 13/16 in	3 ¾ in	_	45CE49	3/4 in	1 in	2 1/4 in	CRIR ANSI Class 150	45CE23	10 in	11 5/16 in	13 % in	CR ANSI Class 150	45CE42
2 in	2 % in	4 1/8 in		45CD73	1 in	1 1/4 in	2 5/8 in	CR ANSI Class 150	45CD98	10 in	11 5/16 in	13 % in	CRIR ANSI Class 150	45CD76
3 in	3 ½ in	5 ¾ in		45CE11	1 in	1 1/4 in	2 % in	CRIR ANSI Class 150	45CE09	12 in	13 % in	16 1/8 in	CR ANSI Class 150	45CD78
4 in	4 ½ in	6 % in		45CE21	1 ½ in	2 1/8 in	3 % in	CR ANSI Class 150	45CE43	12 in	13 % in	16 1/8 in	CRIR ANSI Class 150	45CD94
6 in	6 % in	8 ¾ in	- C-4401 ANSI Class 150	45CD83	1 ½ in	2 1/8 in	3 % in	CRIR ANSI Class 150	45CD74	14 in	14 5/8 in	17 3/4 in	CR ANSI Class 150	45CE46
8 in	8 % in	11 in	- 0-4401 ANOI Glass 130	45UE2U	2 in	2 ¾ in	4 1/8 in	CR ANSI Class 150	45CD69	14 in	14 5/8 in	17 ¾ in	CRIR ANSI Class 150	45CD90
10 in	10 ¾ in	13 ¾ in		45CE04	2 in	2 ¾ in	4 1/8 in	CRIR ANSI Class 150	45CE07	16 in	16 % in	20 1/4 in	CR ANSI Class 150	45CD85
12 in	12 ¾ in	16 1/8 in		45CE44	2 ½ in	3 1/4 in	4 1/8 in	CR ANSI Class 150	45CD87	16 in	16 % in	20 1/4 in	CRIR ANSI Class 150	45CE19
14 in	14 in	17 ¾ in	_	45CD82	2 ½ in	3 1/4 in	4 1/8 in	CRIR ANSI Class 150	45CE22	18 in	18 11/16 in	21 5/8 in	CR ANSI Class 150	45CE32
16 in	16 in	20 1/4 in	_	45CE12	3 in	4 in	5 % in	CR ANSI Class 150	45CE05	18 in	18 11/16 in	21 5/8 in	CRIR ANSI Class 150	45CD80
18 in	18 in	21 % in		45CE39	3 in	4 in	5 % in	CRIR ANSI Class 150	45CE48	20 in	20 11/16 in	23 % in	CR ANSI Class 150	45CE34
20 in	20 in	23 % in	_	45CD79	4 in	5 in	6 % in	CR ANSI Class 150	45CE33	20 in	20 11/16 in	23 % in	CRIR ANSI Class 150	45CE15
24 in	24 in	28 ¼ in		45CE52	4 in	5 in	6 % in	CRIR ANSI Class 150	45CD89	24 in	24 ¾ in	28 1/4 in	CR ANSI Class 150	45CE13
					6 in	7 3/16 in	8 ¾ in	CR ANSI Class 150	45CE50	24 in	24 ¾ in	28 1/4 in	CRIR ANSI Class 150	45CE24





## **Metal-Reinforced Spiral-Wound Ring Gaskets**

Meet ANSI B16.20.

#### **GARLOCK RW**

■ Temp. range: -320° to 842°F With 304 stainless steel windings, flexible graphite filler, and a carbon steel centering ring. For hydrocarbon processing and refining, pulp and paper, and oil and gas applications.

### **APPOVED VENDOR SPIRAL-WOUND**

■ Temp. range: -320° to 842°F

304 stainless steel windings, with flexible graphite filler and carbon steel centering rings.

### **GARLOCK RWI**

■ Temp. range: -320° to 500°F

304 stainless steel inner ring protects sealing elements from process media. 304 stainless steel winding, PTFE filler, and carbon steel centering rings.

### **FLEXITALLIC CGI**

■ Temp. range: -150° to 842°F

304 or 316 stainless steel windings with flexible graphite filler. Include inner ring. Suitable for use with flat face and raised face flanges and specified for high pressure/temperature service or where toxic or corrosive carbon steel centering materials are present.





38R293

			G/	AKLUUK KW	Approved vendor SPIKAL-WOUND						
		ANSI Size		ANSI Size		ANSI Sized t		ANSI Sized to Fit 150-lb.		ANSI Sized to	
		to Fit 150-	lb.	to Fit 300-	lb.	300/400/600	)-lb.	Flat/Raised Face		Fit 300/400/600-lb.	
		Flat/Raised Fac	e Gasket	Flat/Raised Fac	e Gasket	Flat/Raised Face	e Gasket	Flange Ga	sket	Flat/Raised Face F	lange Gasket
Pipe	Inside		Item		Item		Item	_	Item		Item
Size		Outside Dia.	No.	Outside Dia.	No.	Outside Dia.	No.	Outside Dia.	No.	Outside Dia.	No.
½ in		1 % in	1TUZ8	_	_	2 1/8 in	1TVB2	1 % in	38UU38	2 1/8 in	38UU49
3/4 in	1 in	2 1/4 in	1TUZ9	_		2 % in	1TVB3	2 1/4 in	38UU39	l 2 % in	38UU50
1 in	1 1/4 in		1TVA1	_		2 1/8 in	1TVB4		38UU40	2 % in	38UU51
1 1/4 ii	n 1 ⅓ in		1TVA2	_	_	3 1/4 in	1TVB5		_	_	_
	n 2 ⅓ in		1TVA3	_		3 ¾ in	1TVB6		38UU41		38UU52
	2 ¾ in		1TVA4	_		4 3/8 in	1TVB7		38UU42		38UU53
2 ½ ii	n 3 ¼ in		1TVA5	_	_	5 1/8 in	1TVB8		38UU43	l  5 1/8 in	38UU54
3 in	4 in	5 % in	1TVA6	_		5 % in	1TVB9		38UU44		38UU55
4 in	5 in	6 % in	1TVA7	7 1/8 in	1TVC1	_	_	6 % in	38UU45		38UU56
5 in	6 1/8 in		1TVA8	8 ½ in	1TVC2		_	7 ¾ in	38UU46		38UU57
			1TVA9	9 % in	1TVC3		_	8 ¾ in	38UU47		38UU58
2 in	Q 3/4c in	11 in	1TVR1	12 1/6 in	1TVC/			11 in	38111148	19 1/6 in	38111150

#### **FLEXITALLIC CG**

■ Temp. range: -150° to 842°F

316 stainless steel windings with flexible graphite filler. Feature an external ring that centers the carbon steel centering gasket on the flange face. Provides additional radial strength to help prevent gasket blowout and acts as a compression stop. General purpose gasket suitable for use with raised face and flat face flanges.

				CHILLOUN IIIII					
			Sized		Sized	ANSI Sized to Fit 300/400/600-lb.			
			150-lb.		300-lb.				
		Flat/Rai	ised Face	Flat/Rai	sed Face	Flat/Raised Face			
		Flange	Gasket	Flange	Gasket	Flange	Flange Gasket		
Pipe	Inside	Outside	Item	Outside	Item	Outside	Item		
Size	Dia.	Dia.	No.	Dia.	No.	Dia.	No.		
1/2 in	9/16 in	1 % in	4CYX6	_	_	2 1/8 in	4CYY8		
3/4 in	13/16 in	2 1/4 in	4CYX7	_	_	2 % in	4CYY9		
1 in	1 1/16 in	2 5/8 in	4CYX8	_	_	2 1/8 in	4CYZ1		
1 ½ in	1 3/4 in	3 % in	4CYX9	_	_	3 ¾ in	4CYZ2		
2 in	2 3/16 in	4 1/8 in	4CYY1	_	_	4 % in	4CYZ3		
2 ½ in	2 % in	4 1/8 in	4CYY2	_	_	5 1/8 in	4CYZ4		
3 in	3 ¾16 in	5 % in	4CYY3	_	_	5 1/8 in	4CYZ5		
4 in	4 3/16 in	6 % in	4CYY4	7 1/8 in	4CYZ6	_	_		
5 in	5 3/16 in	7 3/4 in	4CYY5	8 ½ in	4CYZ7				
6 in	6 3/16 in	8 ¾ in	4CYY6	9 1/8 in	4CYZ8	_	_		
8 in	8 ½ in	11 in	4CYY7	12 1/8 in	4CYZ9	_	_		

**GARLOCK RWI** 

		FLEXITALLIC CG									
		ANSI Sized to	Fit 150-lb.	ANSI Siz Fit 300/400							
Pipe	Inside		Item		Item						
Size	Dia.	Outside Dia.	No.	Outside Dia.	No.						
½ in	3/4 in	1 1/8 in	38R316	2 1/8 in	38R328						
3/4 in	1 in	2 1/4 in	38R317	2 % in	38R329						
1 in	1 1/4 in	2 % in	38R318	2 % in	38R330						
1 ¼ in	1 % in	3 in	38R319	3 1/4 in	38R331						
1 ½ in	2 1/8 in	3 % in	38R320	3 ¾ in	38R332						
2 in	2 ¾ in	4 1/8 in	38R321	4 % in	38R333						
2 ½ in	3 1/4 in	4 1/8 in	38R322	5 1/8 in	38R334						
3 in	4 in	5 3/6 in	38B323	5.7% in	38B335						

					FLEXITA	LLIC CGI				
		30	4SS and Fle	xible Graph	nite	316SS and Flexible Graphite				
			Sized 150-lb.	ANSI Sized to Fit 300/400/600-lb.			Sized 150-lb.	ANSI Sized to Fit 300/400/600-lb.		
Pipe	Inside	Outside	Item	Outside	Item	Outside	Item	Outside	Item	
Size	Dia.	Dia.	No.	Dia.	No.	Dia.	No.	Dia.	No.	
½ in	9/16 in	1 1/8 in	38R271	2 1/8 in	38R282	1 1 1 1 in	38R293	2 1/8 in	38R305	
3/4 in	13/ <sub>16</sub> in	2 1/4 in	38R272	2 5% in	38R283	2 1/4 in	38R294	2 5/8 in	38R306	
1 in	1 1/16 in	2 5/8 in	38R273	2 % in	38R284	2 5/8 in	38R295	2 % in	38R307	
1 1/4 in	1 ½ in	3 in	38R274	3 1/4 in	38R285	3 in	38R296	3 1/4 in	38R308	
1 ½ in	1 3/4 in	3 % in	38R275	3 ¾ in	38R286	3 % in	38R297	3 ¾ in	38R309	
2 in	2 3/16 in	4 1/8 in	38R276	4 3/8 in	38R287	4 1/8 in	38R298	4 3/8 in	38R310	
2 ½ in	2 5/8 in	4 1/8 in	38R277	5 1/8 in	38R288	4 1/8 in	38R299	5 1/8 in	38R311	
3 in	3 ¾16 in	5 % in	38R278	5 % in	38R289	5 % in	38R301	5 % in	38R312	

FLEXITALLIC CGI										
		304SS and Flexible Graphite				316SS and Flexible Graphite				
			Sized		Sized		Sized	ANSI Sized		
			to Fit 150-lb.		to Fit 300-lb.		150-lb.	to Fit 300-lb.		
Pipe	Inside	Outside	Item	Outside	Item	Outside	Item	Outside	Item	
Size	Dia.	Dia.	No.	Dia.	No.	Dia.	No.	Dia.	No.	
4 in	4 3/16 in	6 1/8 in	38R279	7 1/8 in	38R290	6 1/8 in	38R302	7 1/8 in	38R313	
6 in	6 3/16 in	8 3/4 in	38R280	9 % in	38R291	8 ¾ in	38R303	9 % in	38R314	
8 in	8 ½ in	11 in	38R281	12 1/8 in	38R292	11 in	38R304	12 1/8 in	38R315	

		FLEXITALLIC CG							
Pine	Inside	ANSI Sized to Fi	t 150-lb.	ANSI Sized to Fit 300-lb.					
Pipe Size	Dia.	Outside Dia.	No.	Outside Dia.	No.				
4 in	5 in	6 % in	38R324	7 1/8 in	38R336				
5 in	6 1/8 in	7 ¾ in	38R325	8 ½ in	38R337				
6 in	7 ¾16 in	8 ¾ in	38R326	9 % in	38R338				
8 in	9 3/16 in	11 in	38R327	12 1/8 in	38R339				