SPIRAL WOUND GASKETS

GASKET SELECTION

What Style of Gasket Should I Select?



Style CG - Utilizes an external ring which accurately centers gasket on flange face, provides additional radial strength to prevent gasket blow-out and acts as a compression stop. A general purpose gasket suitable for use with flat face and raised face flanges up to and inclusive of class 2500.



Style CGI - A Style CG gasket fitted with internal ring which gives an additional compression limiting stop and provides heat and corrosion barrier protecting gasket windings and preventing flange erosion. Suitable for use with flat face and raised face flanges.



Style R - Basic construction type. Inner and outer diameters are reinforced with several plies of metal without filler to give greater stability and better compression and sealing characteristics. Suitable for tongue and groove or male and female or grooved to flat face flange assemblies.



Style RIR - Solid inner metal ring acts as a compression stop and fills the annular space between flange bore and the inside diameter of the gasket. Designed to prevent accumulation of solids, reduce turbulent flow of process fluids and minimize erosion at flange faces. Suitable for male and female pipe flanges.

SELECTION GUIDE

Published as an indication of which spiral wound gasket best suits different pipe flange configurations and service conditions.



* It is essential that Style R gaskets are fitted with a compression stop. Without a correctly dimensioned stop the gasket can easily be over-compressed resulting in failure. To provide a compression stop the depth of the tongue, groove or recess should be controlled to provide optimum compressed gasket thickness with metal to metal contact on the flange faces.



METAL & BOILER GASKETS

STYLE CG & CGI GASKETS

STYLE CG & CGI GASKETS To Suit Standard Raised Face And Flat Face Flanges



All CG and CGI Gaskets for these standard flanges are 0.175 in (4.5mm) thick, fitted with 0.125 in (3.2mm) thick solid metal rings, unless otherwise stated.

SPECIAL GASKETS

Gaskets of special design can be engineered and fabricated using the same basic fundamentals of Spiral Wound Gasket design and construction to cover a wide range of applications in installations for which there are no industry-wide standards. Special gaskets have been designed for valves, pumps, compressors, turbines, boilers, heat exchangers, etc. Consult with your Ragco location as early in the design stage as possible.

GOVERNMENT SPECIFICATIONS

Spiral Wound Gaskets are available in accordance with Military Specification MIL-G-24716.

Style CG and CGI Spiral Wound gaskets can be	ASME B16.5
manufactured in accordance with all relevant	BS 1560
gasket standards to suit the following flange	BS 10
designations.	ASME B16.47 SERIES B (API 605)
A Colle Desta in the second	ASME B16.47 SERIES A (MSS SP 44)
Please note that gaskets for non-standard	BS 4504
flanges are also readily available.	DIN FLANGES
	JIS FLANGES
	JIS FLANGES

WHEN ORDERING PLEASE SPECIFY

- GASKET STYLE (Example: Flexitallic Style "CGI" Spiral Wound Gasket)
- NOMINAL PIPE SIZE (NPS) (Example: 4 inches)
- PRESSURE RATING (Example: Class 900)

- GASKET STANDARD (Example: ASME B16.20)
- WINDING MATERIALS (Example: 316SS)
- OUTER RING MATERIAL (Example: Carbon Steel)
- INNER RING MATERIAL (Example: 316SS)



STYLE CG & CGI* TO ASME B16.20



TABLE 1: Style CG & CGI* to ASME B16.20 To Suit ASME B16.5 Flanges (INCHES)

	OUTSIDE [Of se/ Elen	DIAMETER Aling 1ent		INNER DIAMETER OF SEALING ELEMENT						OUTER DIAMETER OF CENTERING RING						
Nom Pipe Size	Class 150, 300, 400, 600	Class 900, 1500 2500	Class 150	Class 300	Class 400	Class 600	Class 900	Class 1500	Class 2500	Class 150	Class 300	Class 400	Class 600	Class 900	Class 1500	Class 2500
1/4	7/8		1/2	1/2	1/2	1/2	-			1-3/4	1-3/4	1-3/4	1-3/4	-	-	-
1/2	1-1/4	1-1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1-7/8	2-1/8	2-1/8	2-1/8	2-1/2	2-1/2	2-3/4
3/4	1-9/16	1-9/16	1	1	1	1	1	1	1	2-1/4	2-5/8	2-5/8	2-5/8	2-3/4	2-3/4	3
1	1-7/8	1-7/8	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	2-5/8	2-7/8	2-7/8	2-7/8	3-1/8	3-1/8	3-3/8
1-1/4	2-3/8	2-3/8	1-7/8	1-7/8	1-7/8	1-7/8	1-9/16	1-9/16	1-9/16	3	3-1/4	3-1/4	3-1/4	3-1/2	3-1/2	4-1/8
1-1/2	2-3/4	2-3/4	2-1/8	2-1/8	2-1/8	2-1/8	1-7/8	1-7/8	1-7/8	3-3/8	3-3/4	3-3/4	3-3/4	3-7/8	3-7/8	4-5/8
2	3-3/8	3-3/8	2-3/4	2-3/4	2-3/4	2-3/4	2-5/16	2-5/16	2-5/16	4-1/8	4-3/8	4-3/8	4-3/8	5-5/8	5-5/8	5-3/4
2-1/2	3-7/8	3-7/8	3-1/4	3-1/4	3-1/4	3-1/4	2-3/4	2-3/4	2-3/4	4-7/8	5-1/8	5-1/8	5-1/8	6-1/2	6-1/2	6-5/8
3	4-3/4	4-3/4	4	4	4	4	3-3/4	3-5/8	3-5/8	5-3/8	5-7/8	5-7/8	5-7/8	6-5/8	6-7/8	7-3/4
3-1/2	5-1/4	5-1/4	4-1/2	4-1/2	4-1/8	4-1/8	4-1/8	4-1/8	-	6-3/8	6-1/2	6-3/8	6-3/8	7-1/2	7-3/8	- -
4	5-7/8	5-7/8	5	5	4-3/4	4-3/4	4-3/4	4-5/8	4-5/8	6-7/8	7-1/8	7	7-5/8	8-1/8	8-1/4	9-1/4
4-1/2	6-1/2	6-1/2	5-1/2	5-1/2	5-5/16	5-5/16	5-5/16	5-5/16		7	7-3/4	7-5/8	8-1/4	9-3/8	9-1/8	-
5	7	7	6-1/8	6-1/8	5-13/16	5-13/16	5-13/16	5-5/8	5-5/8	7-3/4	8-1/2	8-3/8	9-1/2	9-3/4	10	11
6	8-1/4	8-1/4	7-3/16	7-3/16	6-7/8	6-7/8	6-7/8	6-3/4	6-3/4	8-3/4	9-7/8	9-3/4	10-1/2	11-3/8	11-1/8	12-1/2
8	10-3/8	10-1/8	9-3/16	9-3/16	8-7/8	8-7/8	8-3/4	8-1/2	8-1/2	11	12-1/8	12	12-5/8	14-1/8	13-7/8	15-1/4
10	12-1/2	12-1/4	11-5/16	11-5/16	10-13/16	10-13/16	10-7/8	10-1/2	10-5/8	13-3/8	14-1/4	14-1/8	15-3/4	17-1/8	17-1/8	18-3/4
12	14-3/4	14-1/2	13-3/8	13-3/8	12-7/8	12-7/8	12-3/4	12-3/4	12-1/2	16-1/8	16-5/8	16-1/2	18	19-5/8	20-1/2	21-5/8
14	16	15-3/4	14-5/8	14-5/8	14-1/4	14-1/4	14	14-1/4	-	17-3/4	19-1/8	19	19-3/8	20-1/2	22-3/4	- 19
16	18-1/4	18	16-5/8	16-5/8	16-1/4	16-1/4	16-1/4	16	-	20-1/4	21-1/4	21-1/8	22-1/4	22-5/8	25-1/4	-
18	20-3/4	20-1/2	18-11/16	18-11/16	18-1/2	18-1/2	18-1/4	18-1/4	-	21-5/8	23-1/2	23-3/8	24-1/8	25-1/8	27-3/4	
20	22-3/4	22-1/2	20-11/16	20-11/16	20-1/2	20-1/2	20-1/2	20-1/4		23-7/8	25-3/4	25-1/2	26-7/8	27-1/2	29-3/4	-
24	27	26-3/4	24-3/4	24-3/4	24-3/4	24-3/4	24-3/4	24-1/4	- 10 - 10 -	28-1/4	30-1/2	30-1/4	31-1/8	33	35-1/2	-

*For Style CGI - see Table 3 for Inner Ring dimensions.

Gasket sizes 1/4" to 3" Class 300, 400 & 600 as well as sizes 1/2" to 2-1/2" Class 900 & 1500 are identical within their respective nominal pipe sizes, therefore inventories need not be duplicated.

In accordance with ASME B16.20, Inner Rings are mandatory for the following flange designations (see Table 3).

• All PTFE filled gaskets

- Class 900 NPS 24 to 48
 - Class 1500 NPS 12 to NPS 24
 - Class 2500 NPS 4 to NPS 12
- All flexible graphite gaskets unless otherwise requested by the customer

ASME B16.20 does not include dimensions for NPS ¼, 3 ½, or 4 ½, or Class 400 Flanges up to NPS 3 and Class 900 Flanges up to NPS 2 ½.



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STYLE CG & CGI* TO ASME B16.20



TABLE 2: Style CG & CGI* to ASME B16.20 To Suit ASME B16.5 Flanges (MILLIMETERS)

	OUTSIDE D Of Se/ Elen	DIAMETER ALING IENT		INNER [R DIAMETER OF SEALING ELEMENT						OUTER DIAMETER OF CENTERING RING						
Nom Pipe Size	Class 150, 300, 400, 600	Class 900, 1500, 2500	Class 150	Class 300	Class 400	Class 600	Class 900	Class 1500	Class 2500	Class 150	Class 300	Class 400	Class 600	Class 900	Class 1500	Class 2500	
1/4	22.2	-	12.7	12.7	12.7	12.7	-	-	-	44.5	44.5	44.5	44.5	-	-	-	
1/2	31.8	31.8	19.1	19.1	19.1	19.1	19.1	19.1	19.1	47.8	54.1	54.1	54.1	63.5	63.5	69.9	
3/4	39.6	39.6	25.4	25.4	25.4	25.4	25.4	25.4	25.4	57.2	66.8	66.8	66.8	69.9	69.9	76.2	
1	47.8	47.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	66.8	73.2	73.2	73.2	79.5	79.5	85.9	
1-1/4	60.5	60.5	47.8	47.8	47.8	47.8	39.6	39.6	39.6	76.2	82.6	82.6	82.6	88.9	88.9	104.9	
1-1/2	69.9	69.9	54.1	54.1	54.1	54.1	47.8	47.8	47.8	85.9	95.3	95.3	95.3	98.6	98.6	117.6	
2	85.9	85.9	69.9	69.9	69.9	69.9	58.7	58.7	58.7	104.9	111.3	111.3	111.3	143	143	146.1	
2-1/2	98.6	98.6	82.6	82.6	82.6	82.6	69.9	69.9	69.9	124	130.3	130.3	130.3	165.1	165.1	168.4	
3	120.7	120.7	101.6	101.6	101.6	101.6	95.3	92.2	92.2	136.7	149.4	149.4	149.4	168.4	174.8	196.9	
3-1/2	133.4	133.4	114.3	114.3	104.8	104.8	104.8	104.8	-	161.9	165.1	161.9	161.9	190.5	187.3	-	
4	149.4	149.4	127	127	120.7	120.7	120.7	117.6	117.6	174.8	181.1	177.8	193.8	206.5	209.6	235	
4-1/2	165.1	165.1	139.7	139.7	134.9	134.9	134.9	134.9	-	177.8	196.9	193.7	209.6	238.1	231.8	-	
5	177.8	177.8	155.7	155.7	147.6	147.6	147.6	143	143	196.9	215.9	212.9	241.3	247.7	254	279.4	
6	209.6	209.6	182.6	182.6	174.8	174.8	174.8	171.5	171.5	222.3	251	247.7	266.7	289.1	282.7	317.5	
8	263.7	257.3	233.4	233.4	225.6	225.6	222.3	215.9	215.9	279.4	308.1	304.8.	320.8	358.9	352.6	387.4	
10	317.5	311.2	287.3	287.3	274.6	274.6	276.4	266.7	270	339.9	362	358.9	400.1	435.1	435.1	476.3	
12	374.7	368.3	339.9	339.9	327.2	327.2	323.9	323.9	317.5	409.7	422.4	419.1	457.2	498.6	520.7	549.4	
14	406.4	400.1	371.6	371.6	362	362	355.6	362	-	450.9	485.9	482.6	492.3	520.7	577.9		
16	463.6	457.2	422.4	422.4	412.8	412.8	412.8	406.4	-	514.4	539.8	536.7	565.2	574.8	641.4	-	
18	527.1	520.7	474.7	474.7	469.9	469.9	463.6	463.6		549.4	596.9	593.9	612.9	638.3	704.9	-	
20	577.9	571.5	525.5	525.5	520.7	520.7	520.7	514.4	-	606.6	654.1	647.7	682.8	698.5	755.7	-	
24	685.8	679.5	628.7	628.7	628.7	628.7	628.7	616	-	717.6	774.7	768.4	790.7	838.2	901.7	-	

*For Style CGI - see Table 3 for Inner Ring dimensions.

Gasket sizes 1/4" to 3" Class 300, 400 & 600 as well as sizes 1/2" to 2-1/2" Class 900 & 1500 are identical within their respective nominal pipe sizes, therefore inventories need not be duplicated.

In accordance with ASME B16.20, Inner Rings are mandatory for the following flange designations (see Table 3).

- Class 900 NPS 24 to 48
- All PTFE filled gaskets
- Class 1500 NPS 12 to NPS 24
 Class 2500 NPS 4 to NPS 12
- All flexible graphite gaskets unless otherwise requested by the customer

ASME B16.20 does not include dimensions for NPS ¼, 3 ½, or 4 ½, or Class 400 Flanges up to NPS 3 and Class 900 Flanges up to NPS 2 ½.

* RAGCO supports the autonomy of its locations to select the best products to service their markets. Subtle variations of these specification may exist. Contact your RAGCO affiliate for confirmation. METAL & BOILER GASKETS



TABLE 3: STANDARD INSIDE DIAMETERS OF INNER RINGS FOR STYLE CGI GASKETS TO ASME B16.20 TO SUIT ASME B16.5 FLANGES (INCHES & MILLIMETERS)

NOM	PRESSURE CLASS													
PIPE SIZE	1!	50	3(300		00	6	00	9	00	15	00	25	00
(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
1/2	0.56	14.22	0.56	14.22	0.56	14.22	0.56	14.22	0.56	14.22	0.56	14.22	0.56	14.22
3/4	0.81	20.57	0.81	20.57	0.81	20.57	0.81	20.57	0.81	20.57	0.81	20.57	0.81	20.57
1	1.06	26.92	1.06	26.92	1.06	26.92	1.06	26.92	1.06	26.92	1.06	26.92	1.06	26.92
1-1/4	1.50	38.10	1.50	38.10	1.50	38.10	1.50	38.10	1.31	33.27	1.31	33.27	1.31	33.27
1-1/2	1.75	44.45	1.75	44.45	1.75	44.45	1.75	44.45	1.63	41.40	1.63	41.40	1.63	41.40
2	2.19	55.63	2.19	55.63	2.19	55.63	2.19	55.63	2.06	52.32	2.06	52.32	2.06	52.52
2-1/2	2.62	66.55	2.62	66.55	2.62	66.55	2.62	66.55	2.50	63.60	2.50	63.50	2.50	63.50
3	3.19	81.03	3.19	81.03	3.19	81.03	3.19	81.03	3.10	78.74	3.10	78.74	3.10	78.74
4	4.19	106.43	4.19	106.43	4.04	102.62	4.04	102.62	4.04	102.62	3.85	97.79	3.85	97.79
5	5.19	131.83	5.19	131.63	5.05	128.27	5.05	128.27	5.05	128.27	4.90	124.46	4.90	124.46
6	6.19	157.23	6.19	157.23	6.10	154.64	6.10	154.94	6.10	154.95	5.80	147.32	5.80	147.32
8	8.50	215.90	8.50	215.90	8.10	205.74	8.10	205.74	7.75	196.85	7.75	196.85	7.75	196.85
10	10.56	288.22	10.56	268.22	10.05	255.27	10.05	255.27	9.69	246.13	9.69	246.13	9.69	246.13
12	12.50	317.50	12.50	317.50	12.10	307.34	12.10	307.34	11.50	292.10	11.50	292.10	11.50	292.10
14	13.75	349.28	13.75	349.25	13.50	342.80	13.50	342.90	12.63	320.80	12.63	320.80	atta - ak	
16	15.75	400.05	15.75	400.05	15.35	389.89	15.35	389.89	14.75	374.65	14.50	388.30	(14) - 14	-
18	17.69	449.33	17.69	449.33	17.25	438.15	17.25	438.15	16.75	425.45	16.75	425.45		- 17
20	19.69	500.13	19.69	500.13	19.25	488.95	19.25	488.95	19.00	482.60	18.75	476.25		-
24	23.75	603.25	23.75	603.25	23.25	590.55	23.25	590.65	23.25	590.55	22.75	577.85	-	-

In accordance with ASME B16.20, Inner Rings are mandatory for the following flange designations (see Table 3).

- Class 900 NPS 24 to 48
 - Class 1500 NPS 12 to NPS 24
- All PTFE filled gaskets All flexible graphite gaskets unless •
- Class 2500 NPS 4 to NPS 12 .
- otherwise requested by the customer

ASME B16.20 does not include dimensions for NPS ¼, 3 ½, or 4 ½, or Class 400 Flanges up to NPS 3 and Class 900 Flanges up to NPS 2 ½.



STYLE CG & CGI

To Suit ASME B16.5 & BS 1560 Small Diameter Screwed or Slip-On Flanges





TABLE 4: STYLE CG & CGI To Suit ASME B16.5 & BS 1560 Small Diameter Screwed orSlip-On Flanges (INCHES & MILLIMETERS)

	Inner	Ring	S	EALING	ELEMEN	IT					GUIDE R	ING OUT	rside di	AMETER	2			
PIPE SIZE	Diameter		Inside Dia.		Outside Dia.		Class 150		Class 300		Class 400		Class 600		Class 900		Class 1500	
(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
1/4	-	-	9/16	14.3	7/8	22.2	1-3/4	44.5	1-3/4	44.5	1-3/4	44.5	1-3/4	44.5	-	-	-	-
1/2	9/16	14.3	15/16	23.8	1-1/4	31.8	1-7/8	47.6	2-1/8	54.0	2-1/8	54.0	2-1/8	54.0	2-1/2	63.5	2-1/2	63.5
3/4	13/16	20.6	1-3/16	30.2	1-9/16	39.7	2-1/4	57.2	2-5/8	66.7	2-5/8	66.7	2-5/8	66.7	2-3/4	69.9	2-3/4	69.9
1	1-1/16	27.0	1-7/16	36.5	1-7/8	47.6	2-5/8	66.7	2-7/8	73.0	2-7/8	73.0	2-7/8	73.0	3-1/8	79.4	3-1/8	79.4
1-1/4	1-3/8	34.9	1-7/8	47.6	2-3/8	60.3	3	76.2	3-1/4	82.6	3-1/4	82.6	3-1/4	82.6	3-1/2	88.9	3-1/2	88.9
1-1/2	1-5/8	41.3	2-1/8	54.0	2-3/4	69.9	3-3/8	85.7	3-3/4	95.3	3-3/4	95.3	3-3/4	95.3	3-7/8	98.4	3-7/8	98.4

NOTE: The above style CG & CGI spiral wound gaskets are dimensioned to suit existing screwed or slip-on flanges for NPS 1/4 to 1-1/2 ASME B16.5 & BS 1560 flanges.



Gaskets for boiler handhole, tubecap and manhole covers incorporating the unique Flexitallic Spiral Wound profile and specially manufactured with graphite filler, are ideal for corrosive, high pressure or temperature duties. Flexitallic's anticipation of developments in modern steam generating and engineering equipment and ability to design to specific requirements are the guarantee of the perfect seal at minimum maintenance cost with consistently high standards of performance.

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- High safety factor related to specific operating conditions
- Compression loadings proportional to safe stresses of cover assemblies



Elliptical Handhole Gasket



Style T Gaskets

Obround

Diamond



Diamond Shaped Handhole Gasket



Elliptical Manway Gasket

Resilient under concentrated and fluctuating loads

Prolonged trouble-free service

Reduced seat cleaning time

STYIE M & MC & MCS

Spiral Wound Gaskets for Boiler Manhole Cover Assemblies

The manhole gasket spiral constructions incorporate modified compression values to provide seating loads within the normal range of cover assemblies.

SIZE/RANGE SPECIFICATION: Available in circular, obround, and oval shapes to suit standard manhole plate configurations.



Spiral Wound Gaskets for Boiler Handhole and Tubecap Assemblies

The design features of the basic spiral wound construction alleviate the need for sealing compound. Particularly suitable where old and pitted faces have rendered other gaskets ineffective.

SIZE/RANGE SPECIFICATION: Available in several standard shapes - Supplied in thicknesses of 3.2mm (0.125in.) or 4.5mm (0.175 in.). The standard thickness of 4.5mm (0.175in.) is recommended for use in assemblies where the seat is relatively broad and bolting load is low.

MATERIALS

Round

Oval

Standard materials are Type 304 Stainless Steel and graphite windings. Special materials to suit specific operating conditions are available.

Pear

TO ORDER

Submit the following with all inquiries: 1) Name of boiler or equipment manufacturer; 2) Gasket style; 3)Dimensions of gasket; 4) Gasket thickness; 5) Flange width of gasket; 6) Pressure service rating; 7)Gasket material preference



STYLES M & MC FOR MANHOLE COVER ASSEMBLIES

STYLE	NOMINAL I.D. DIMENSIONS (IN)	THICKNESS (IN)	FLANGE WIDTH (IN)
M-Oval	10 x 15	0.250	15/16
M-Oval	10 x 16	0.250	15/16
M-0val	11 x 15	0.250	15/16
MC-Oval	11 x 15	0.250	13/16
M-0val	11 x 15	0.175	3/4
M-Oval	11 x 15	0.175	15/16
M-0val	11 x 15	0.175	1/2
M-Oval	11 x 15	0.175	1-1/4
M-Oval	11 x 15	0.250	1-1/4
M-Obround	11-1/16 x 14-7/8	0.250	15/16
M-Obround	11-7/16 x 15-1/16	0.250	15/16
M-0val	12 x 16	0.250	15/16
MC-Oval	12 x 16	0.250	13/16
M-Oval	12 x 16	0.175	1/2
M-0val	12 x 16	0.175	3/4
M-Oval	12 x 16	0.175	15/16
M-0val	12 x 16	0.175	1-1/4
M-0val	12 x 16	0.250	1-1/4
M-Obround	12 x 16	0.250	15/16
M-Obround	12 x 16	0.250	1-1/4
MC-Oval	12-1/8 x 16-1/8	0.250	13/16
M-Obround	14 x 16	0.175	3/4
M-Round	14	0.175	3/4
M-Round	16-1/16	0.175	3/4

NOTE: When ordering gaskets specify operating pressure and temperature and type of steel desired.

STYLE MCS SPIRAL WOUND GASKETS

In keeping with our tradition of taking a leadership role in the gasket industry we are pleased to introduce the style MCS spiral wound gasket for use on boiler manhole cover assemblies. The style MCS gasket is an exclusive design, consisting of a spiral wound gasket with an integral solid metal inner ring. The spiral wound sealing element provides resilience, strength, blowout resistance and superior sealability. The solid metal ring prevents over-compression of the gasket, which is especially important on high pressure boilers. In addition, the rings provide stability and facilitate proper positioning of the gasket on the cover which prevents pinching, shouldering, and other gasket damage resulting from misalignment, irregular plate contours and fillets.

Style MCS spiral wound gaskets are available in a wide range of materials for standard, as well as special design manhole cover assemblies, in pressure classes of 0-499 psi, 0-999 psi, and 1000 psi and higher. For additional information or style MCS spiral wound gaskets, contact the Ragco location nearest you.



* RAGCO supports the autonomy of its locations to select the best products to service their markets. Subtle variations of these specification may exist. Contact your RAGCO affiliate for confirmation. METAL & BOILER GASKETS



STYLE T FOR BOILER HANDHOLE AND TUBECAP ASSEMBLIES

0-499 lbs, 0-999 lbs, 1000 lbs and above. Specify operating temperature, pressure and type of steel.

IDENTIFICATION	SHAPE	NOMINAL I.D. (IN)	FLANGE WIDTH (IN)	IDENTIFICATION	SHAPE	NOMINAL I.D. (IN)	FLANGE WIDTH (IN)
American Engineering	Obround	3-5/16 x 3-11/16	3/16	Foster Wheeler (con't.)	Round	3-1/8 or 3-1/16	3/8
Deless d'Affre	Round	3-3/10	3/10		Round	4-1/8 01 4-1/10 4 1E/16 x E 2/16	3/8
No 41	Obround	2 0/64 x 2 22/64	E/22	Coord	nectangulai	4-13/10 X 3-3/10	1/32
No.40	Diamond	2 2/9 x 2 2/4	3/32	21/2"	Obround	2 12/16 x 4 5/9	2/0
No 48	Oval	3-13/16 x 4-3/4	7/32	Δ"	Obround	4-1/4 x 5-1/4	7/16
No 79	Obround	4-5/32 x 4-25/32	1/4	4" (285" Thick)	Obround	4-1/4 x 5 1/4	7/16
No 24	Oval	4-1/2 x 5-1/2	7/32	Heine	Obround	3-5/8 x 4-5/8	3/8
No.76	Oval	5-1/32 x 5-31/32	1/4	nome	Round	3-5/8	3/8
2" Econ.	Round	1-5/8	1/4	International	Oval	2-19/32 x 3-19/32	7/16
No.47	Round	2-1/32	3/16	Keeler	Diamond	4-1/4x 5-1/4	3/8
No.32	Round	3	1/4		Round	4-1/4	3/8
No.70	Round	3-9/32	3/16	POR CONTRACTOR	Obround	3 x 4	3/8
No.89	Round	3-7/16	5/32	Murray	Obround	3-5/8 x 4-9/16	3/8
No.92	Round	4-1/32	1/4		Obround	3-5/8 x 4-9/16	7/16
No.28	Rectangular	4-13/16 x 5	7/32		Obround	4-1/32 X 4-29/32	3/8
Badenhausen				Oil Field	Obround	2-1/2 x 3-1/2	3/8
(See Riley Stoker)					Oval	3 x 4	3/8
Bros			11111111111		Oval	3-1/2 x 4-1/2	3/8
HB-5 and HB-10	Round	2-1/4	1/4		Oval	4-1/16 x 5-1/16	7/16
HB-6 and HB-11	Round	3-3/8	1/4	Orr & Sembower	Oval	2-23/32 x 3-21/32	3/8
HB-12	Round	4-1/4	1/4		Oval	3-13/32 x 4-13/32	3/8
HB-8 and HB-13	Obround	3-3/8 x 4-1/4	1/4	Pacific	Round	1-1/2	1/2
HB-14	Ubround	4-1/4 x 5	1/4		Round	2	1/2
Bucyrus-Erie	<u> </u>	0.110	0/0	2		2-1/2	1/2
0227	Ubround	3 x 4-1/2	3/8	Page	0.1	0.07/00 0.00/00	0/0
0200	Uvai	4 X b	1/10	Larrabee	Uval	2-21/32 X 3-29/32	3/8
Cases Hadaaa	Round	Z-1/Z	1/4	Junior	Oval	3-1/8 X 4-1/8	3/8
Clasey-Heuges	Obround	4-1/4 X J-1/0	3/8 E/16	Page	Oval	3-1/8 X 4-1/4	3/8
Cleaver-brooks	Obround	2-21/32 X 3-19/32	0/10 2/0	P-B Drum	Oval	3-3/10 X 4-3/10 2 25/22 x 5 12/22	3/8
	Obround	3-3/32 X 4-17/32	3/0	Consol	Bound	3-23/32 X 3-13/32 2-3/16	3/8
Combustion Engineering	Obround	47.0	5/0	Rilov Stoker	nounu	2-0/10	5/0
24NI-I 1206	Diamond	3 x 3-7/8	1/4	W-C22	Oval	3-17/32 x 4-17/32	5/16
29N-1839	Diamond	3-3/8 x 4-1/4	1/4	W-C2	Obround	3-23/32 x 5-23/32	11/32
30N-1866	Diamond	3-5/8 x 4-1/2	1/4	W-C16	Bound	1-31/32	3/8
33N-L1205	Diamond	3-3/4 x 4-5/8	1/4	W-C6	Round	3-9/32	5/16
31N-L579	Diamond	4-1/4 x 5-1/8	1/4	W-C9	Square	4 x 4	11/32
21N-L1291	Obround	2-1/8 x 2-1/2	5/32	Constant and the state	Square	5-1/2 x 5-1/2	3/8
22N	Oval	2-1/8 x 2-5/8	7/32	Springfield	Oval	3-17/32 x 4-17/32	5/16
23N	Obround	2-25/32 x 3-13/32	7/32		Oval	4-1/16 x 5-1/16	3/8
25N-L1 278	Obround	3-1/8 x 4-1/8	3/16		Square	5-1/2 x 5-1/2	3/8
27N	Diamond	3-3/8 x 3-3/4	3/16		Square	7-3/8 x 7-3/8	5/8
28N-L1277	Obround	3-3/8 x 3-7/8	3/16	Superheater	Obround	2-21/32 x 3-9/32	15/64
32N	Oval	4-1/2 x 5-1/2	7/32		Obround	3-3/32 x 4-3/32	1/4
1N-L1272	Round	1-1/2	3/16		Obround	3-11/32 x 3-23/32	3/16
7N-L1131	Round	1-3/4	3/16		Ubround	3-3/8 x 3-3/8	1/4
3N-L1274	Round	2-5/8	1/32		Round	15/16	3/16
4IN-L/40	Round	3-1/8	1/4	11.2	Round	3-3/32	1/4
L/41	Round	3-3/8	1/4	Union	Dees	2 7/10 4 7/10	2/0
DIN-L9UZ	Round	3-3/8	1/4	3 1/4	Pear	3-1/10 X 4-1/10 2 1/2 x 4 1/2	3/8
51N	Rectangular	4-1/0 4-13/16 v 5	1/4		Pear	3-1/2 X 4-1/2 4-1/4 x 5-1/A	3/0 3/2
52N-I 1117	Rectangular	1-7/8 x 5-3/16	7/32	(285" Thick)	Pear	4-1/4 x 5-1/4	3/8
PB9474	Obround	4-1/8 x 4-7/8	3/16	1.200 THORY	Oval	3-1/2 x 4-1/2	3/8
PB9474	Round	3-1/2	3/16		Oval	3x4	3/8
Connelly	Obround	3 x 3-15/16	3/8	Voat	Oval	3 x 4	5/16
Edge Moor	Oval	4-1/8 x 5-1/4	3/8	- g	Oval	3-3/8 x 4-1/4	7/32
	Round	2-1/2	1/2		Oval	3-1/4 x 4-1/2	5/16
	Round	4-1/16	15/32		Oval	3-3/4 x 5	3/8
Erie City	Pear	3-1/2 x 4-5/8	3/8		Oval	4 x 5	5/16
	Obround	3 x 4-1/2	3/8		Oval	4 x 6	3/8
	Oval	3-1/32 x 4-1/32	5/16		Oval	4-1/4 x 5-1/8	7/32 (new)
	Oval	3-17/32 x 4-17/32	5/16		Oval	4-1/4 x 5-1/8	5/16 (old)
	Oval	4-1/32 x 5-1/32	5/16		Oval	4-9/32 X 5-5/32	7/32
	Oval	4-1/32 x 6-1/32	3/8	31/2"	Round	3-19/32	3/8
	Round	3-1/2	3/8		Round	4-1/8	3/8
Foster Wheeler	Diamond	4 x 5	3/8	Ward	Square	4-7/8 x 4-7/8	1/4
23/4"	Ubround	2-25/32 x 3-13/32	1/32	Wickes	Pear	4-1/8 x 5-1/8	9/32
	Obround	3 x 4	3/8	D0000	Pear	4-1/4 x 5-1/8	3/8
	Ubround	3-11/32 x 3-31/32	1/32	D2300	Uval	3x4	5/16
	Uval	4-3/16 x 5-3/16	5/16 E/20	D2301	Uval	3-1/2 x 4-1/2	5/16
	Round	10/10	0/3Z	D2301	Oval	4 X 5	5/10 5/10
	Round	2-1/32	15/04	02/24	Bound	4 X 0 A.1/9	3/0
	Round	2-1/32 2 1/9 or 2 1/16	2/0	and the second	Round	4-1/0	3/0



METAL & BOILER GASKETS