

Soft Cut Gaskets

Soft gaskets are a range of industrial sealing products which are cut to required size from the specified raw material.

AMG have a state of the art cutting facility utilising the latest CAD driven cutting technology to facilitate immediate production and dimensional accuracy.

As an independent stockist of gasket material, AMG can supply to meet your requirements from any of the main raw material manufacturers.

Details

Soft gaskets can be used across a wide range of applications and service conditions:-

- Compressed Non Asbestos Fibre (CNAF) & Rubber gaskets offer an affordable sealing solution and are often used for pressure testing lines or in low temperature/pressure applications.
- Graphite, PTFE and high specification Filled PTFE gaskets can be used where aggressive media is present from low to mid temperature ranges.
- High temperature materials are designed to withstand up to 1000 °C in low pressure applications.
- Standard size gaskets to B16.21/DIN/JIS gaskets to suit RF and Flat Face flanges or to bespoke dimensions can be produced quickly and efficiently.

AMG Stock material includes:-

- Compressed Non Asbestos Fibre (CNAF) Grades.
- Graphite laminates – Stainless Steel Tanged and Reinforced Graphite.
- High Temperature gasket materials and laminates.
- PTFE & Filled PTFE.
- All types of Rubber including Commercial, EPDM, Neoprene, Nitrile & Viton

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**THE INDUSTRIAL
SEALING EXPERTS**

CLASS 150 ASME B16.21 – DIMENSIONS FOR NON METALLIC GASKETS

Nominal Bore	Flat Ring and Full Face Gasket		Flat Ring Gasket		Full Face gasket							Nominal Bore
	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		Number of Bolt Holes	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm		
1/2	27/32	21.4	1 7/8	47.6	3 1/2	88.9	2 3/8	60.3	5/8	15.9	4	1/2
3/4	1 1/16	27.0	2 1/4	57.2	3 3/4	95.3	2 3/4	69.9	5/8	15.9	4	3/4
1	1 5/16	33.3	2 5/8	66.7	4 1/4	108.0	3 1/8	79.4	5/8	15.9	4	1
1 1/4	1 21/32	42.1	3	76.2	4 5/8	117.5	3 1/2	88.9	5/8	15.9	4	1 1/4
1 1/2	1 29/32	48.4	3 3/8	85.7	5	127.0	3 7/8	98.4	5/8	15.9	4	1 1/2
2	2 3/8	60.3	4 1/8	104.8	6	152.4	4 3/4	120.7	3/4	19.1	4	2
2 1/2	2 7/8	73.0	4 7/8	123.8	7	177.8	5 1/2	139.7	3/4	19.1	4	2 1/2
3	3 1/2	88.9	5 3/8	136.5	7 1/2	190.5	6	152.4	3/4	19.1	4	3
3 1/2	4	101.6	6 3/8	161.9	8 1/2	215.9	7	177.8	3/4	19.1	8	3 1/2
4	4 1/2	114.3	6 7/8	174.6	9	228.6	7 1/2	190.5	3/4	19.1	8	4
5	5 9/16	141.3	7 3/4	196.9	10	254.0	8 1/2	215.9	7/8	22.2	8	5
6	6 5/8	168.3	8 3/4	222.3	11	279.4	9 1/2	241.3	7/8	22.2	8	6
8	8 5/8	219.1	11	279.4	13 1/2	342.9	11 3/4	298.5	7/8	22.2	8	8
10	10 3/4	273.1	13 3/8	339.7	16	406.4	14 1/4	362.0	1	25.4	12	10
12	12 3/4	323.9	16 1/8	409.6	19	482.6	17	431.8	1	25.4	12	12
14	14	355.6	17 3/4	450.9	21	533.4	18 3/4	476.3	1 1/8	28.6	12	14
16	16	406.4	20 1/4	514.4	23 1/2	596.9	21 1/4	539.8	1 1/8	28.6	16	16
18	18	457.2	21 5/8	549.3	25	635.0	22 3/4	577.9	1 1/4	31.8	16	18
20	20	508.0	23 7/8	606.4	27 1/2	698.5	25	635.0	1 1/4	31.8	20	20
24	24	609.6	28 1/4	717.6	32	812.8	29 1/2	749.3	1 3/8	34.9	20	24

CLASS 300 ASME B16.21 – DIMENSIONS FOR NON METALLIC GASKETS

Nominal Bore	Flat Ring and Full Face		Flat Ring Gasket		Full Face gasket							Nominal Bore
	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		Number of Bolt Holes	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm		
1/2	0.84	21.4	2 1/8	54.0	3 3/4	95.3	2 5/8	66.7	5/8	15.9	4	1/2
3/4	1.06	27.0	2 5/8	66.7	4 5/8	117.5	3 1/4	82.6	3/4	19.1	4	3/4
1	1.31	33.3	2 7/8	73.0	4 7/8	123.8	3 1/2	88.9	3/4	19.1	4	1
1 1/4	1.66	42.1	3 1/4	82.6	5 1/4	133.4	3 7/8	98.4	3/4	19.1	4	1 1/4
1 1/2	1.91	48.4	3 3/4	95.3	6 1/8	155.6	4 1/2	114.3	7/8	22.2	4	1 1/2
2	2.38	60.3	4 3/8	111.1	6 1/2	165.1	5	127.0	3/4	19.1	8	2
2 1/2	2.88	73.0	5 1/8	130.2	7 1/2	190.5	5 7/8	149.2	7/8	22.2	8	2 1/2
3	3.50	88.9	5 7/8	149.2	8 1/4	209.6	6 5/8	168.3	7/8	22.2	8	3
3 1/2	4.00	101.6	6 1/2	165.1	9	228.6	7 1/4	184.2	7/8	22.2	8	3 1/2
4	4.50	114.3	7 1/8	181.0	10	254.0	7 7/8	200.0	7/8	22.2	8	4
5	5.56	141.3	8 1/2	215.9	11	279.4	9 1/4	235.0	7/8	22.2	8	5
6	6.63	168.3	9 7/8	250.8	12 1/2	317.5	10 5/8	269.9	7/8	22.2	12	6
8	8.63	219.1	12 1/8	308.0	15	381.0	13	330.2	1 1/8	28.6	12	8
10	10.75	273.1	14 1/4	362.0	17 1/2	444.5	15 1/4	387.4	1 1/8	28.6	16	10
12	12.75	323.9	16 5/8	422.3	20 1/2	520.7	17 3/4	450.9	1	25.4	16	12
14	14.00	355.6	19 1/8	485.8	23	584.2	20 1/4	514.4	1 1/4	31.8	20	14
16	16.00	406.4	21 1/4	539.8	25 1/2	647.7	22 1/2	571.5	1 3/8	34.9	20	16
18	18.00	457.2	23 1/2	596.9	28	711.2	24 3/4	628.7	1 3/8	34.9	24	18
20	20.00	508.0	25 3/4	654.1	30 1/2	774.7	27	685.8	1 3/8	34.9	24	20
24	24.00	609.6	30 1/2	774.7	36	914.4	32	812.8	1 5/8	41.3	24	24



CLASS 600 ASME B16.21 – DIMENSIONS FOR NON METALLIC GASKETS

Nominal Bore	Flat Ring and Full Face		Flat Ring Gasket		Full Face gasket							Nominal Bore
	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		Number of Holes	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm		
1/2	27/32	21.4	2 1/8	54.0	3 3/4	95.3	2 5/8	66.7	5/8	15.9	4	1/2
3/4	1 1/16	27.0	2 5/8	66.7	4 5/8	117.5	3 1/4	82.6	3/4	19.1	4	3/4
1	1 5/16	33.3	2 7/8	73.0	4 7/8	123.8	3 1/2	88.9	3/4	19.1	4	1
1 1/4	1 21/32	42.1	3 1/4	82.6	5 1/4	133.4	3 7/8	98.4	3/4	19.1	4	1 1/4
1 1/2	1 29/32	48.4	3 3/4	95.3	6 1/8	155.6	4 1/2	114.3	7/8	22.2	4	1 1/2
2	2 3/8	60.3	4 3/8	111.1	6 1/2	165.1	5	127.0	3/4	19.1	8	2
2 1/2	2 7/8	73.0	5 1/8	130.2	7 1/2	190.5	5 7/8	149.2	7/8	22.2	8	2 1/2
3	3 1/2	88.9	5 7/8	149.2	8 1/4	209.6	6 5/8	168.3	7/8	22.2	8	3
3 1/2	4	101.6	6 3/8	161.9	9	228.6	7 1/4	184.2	1	25.4	8	3 1/2
4	4 1/2	114.3	7 5/8	193.7	10 3/4	273.1	8 1/2	215.9	1	25.4	8	4
5	5 9/16	141.3	9 1/2	241.3	13	330.2	10 1/2	266.7	1 1/8	28.6	8	5
6	6 5/8	168.3	10 1/2	266.7	14	355.6	11 1/2	292.1	1 1/8	28.6	12	6
8	8 5/8	219.1	12 5/8	320.7	16 1/2	419.1	13 3/4	349.3	1 1/4	31.8	12	8
10	10 3/4	273.1	15 3/4	400.1	20	508.0	17	431.8	1 3/8	34.9	16	10
12	12 3/4	323.9	18	457.2	22	558.8	19 1/4	489.0	1 3/8	34.9	20	12
14	14	355.6	19 3/8	492.1	23 3/4	603.3	20 3/4	527.1	1 1/2	38.1	20	14
16	16	406.4	22 1/4	565.2	27	685.8	23 3/4	603.3	1 5/8	41.3	20	16
18	18	457.2	24 1/8	612.8	29 1/4	743.0	25 3/4	654.1	1 3/4	44.5	20	18
20	20	508.0	26 7/8	682.6	32	812.8	28 1/2	723.9	1 3/4	44.5	24	20
24	24	609.6	31 1/8	790.6	37	939.8	33	838.2	2	50.8	24	24

Not sure which type of gasket is suitable for an application? Just advise AMG on the following information for expert advice:-

- Operating Temperature
- Pressure
- Media
- Flange Type/Size

AMG can also supply sheet gasket material for on-site or point of use fabrication.