

GASKETS & GASKETS MATERIALS



API RING GASKETS

Dimensions of FORGED SEAMLESS RING JOINT GASKETS

A P I RING NUMBER	GASKET DIMENSION, INCHES						SIZE OF FLANGE, INCHES							GASKET WEIGHTS LBS.			
	CENTER TO CENTER	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH OF RING	HEIGHT OF RING		GENERAL USE					OIL FIELD USE		OVAL RING	OCTAGONAL RING		
					OVAL	OCTAGONAL	150 LBS.	300 TO 600 LBS.	900 LBS.	1500 LBS.	2500 LBS.	500, 1000, 2000, 3000 LBS.	5000 LBS.				
R11	1-11/32	1-3/32	1-19/32	1/4	7/16	3/8		1/2								.111	.104
R12	1-9/16	1-1/4	1-7/8	5/16	9/16	1/2			1/2	1/2						.216	.200
R13	1-11/16	1-3/8	2	5/16	9/16	1/2		3/4				1/2				.234	.216
R14	1-3/4	1-7/16	2-1/16	5/16	9/16	1/2			3/4	3/4						.242	.224
R15	1-7/8	1-9/16	2-3/16	5/16	9/16	1/2	1									.260	.240
R16	2	1-11/16	2-15/16	5/16	9/16	1/2		1	1	1		3/4	1	1		.278	.256
R17	2-1/4	1-15/16	2-9/16	5/16	9/16	1/2	1-1/4									.311	.288
R18	2-3/8	2-1/16	2-11/16	5/16	9/16	1/2		1-1/4	1-1/4	1-1/4		1	1-1/4	1-1/4		.328	.304
R19	2-9/16	2-1/4	2-7/8	5/16	9/16	1/2	1-1/2									.354	.328
R20	2-11/16	2-3/8	3	5/16	9/16	1/2		1-1/2	1-1/2	1-1/2			1-1/2	1-1/2		.372	.344
R21	2-27/32	2-13/32	3-9/32	7/16	11/16	5/8						1-1/4				.660	.643
R22	3-1/4	2-15/16	3-9/16	5/16	9/16	1/2	2									.450	.415
R23	3-1/4	2-13/16	3-11/16	7/16	11/16	5/8		2				1-1/2	2			.755	.734
R24	3-3/4	3-5/16	4-3/16	7/16	11/16	5/8			2	2				2		.870	.846
R25	4	3-11/16	4-5/16	5/16	9/16	1/2	2-1/2									.553	.510
R26	4	3-9/16	4-7/16	7/16	11/16	5/8		2-1/2				2	2-1/2			.930	.904
R27	4-1/4	3-13/16	4-11/16	7/16	11/16	5/8			2-1/2	2-1/2				2-1/2		1.050	.960
R28	4-3/8	3-7/8	4-7/8	1/2	3/4	11/16						2-1/2				1.255	1.230
R29	4-1/2	4-3/16	4-13/16	5/16	9/16	1/2	3									.622	.575
R30	4-5/8	4-3/16	5-1/16	7/16	11/16	5/8		3								1.075	1.047
R31	4-7/8	4-7/16	5-5/16	7/16	11/16	5/8		3	3				3			1.130	1.100
R32	5	4-1/2	5-1/2	1/2	3/4	11/16						3				1.435	1.405
R33	5-3/16	4-7/8	5-1/2	5/16	9/16	1/2	3-1/2									.718	.664
R34	5-3/16	4-3/4	5-5/8	7/16	11/16	5/8		3-1/2	3-1/2			3-1/2				1.200	1.170
R35	5-3/8	4-15/16	5-13/16	7/16	11/16	5/8				3				3		1.250	1.210
R36	5-7/8	5-9/16	6-3/16	5/16	9/16	1/2	4									.813	.735
R37	5-7/8	5-7/16	6-5/16	7/16	11/16	5/8		4	4			4	3-1/2			1.360	1.330
R38	6-3/16	5-9/16	6-13/16	5/8	7/8	13/16						4				2.56	2.52
R39	6-3/8	5-15/16	6-13/16	7/16	11/16	5/8				4				4		1.480	1.440
R40	6-3/4	6-7/16	7-1/16	5/16	9/16	1/2	5									.935	.865
R41	7-1/8	6-11/16	7-9/16	7/16	11/16	5/8		5	5				5			1.66	1.61
R42	7-1/2	6-3/4	8-1/4	3/4	1	15/16						5				4.21	4.16
R43	7-5/8	7-5/16	7-15/16	5/16	9/16	1/2	6									1.055	.975
R44	7-5/8	7-3/16	8-1/16	7/16	11/16	5/8				5				5		1.77	1.73
R45	8-5/16	7-7/8	8-3/4	7/16	11/16	5/8		6	6				6			1.93	1.88
R46	8-5/16	7-13/16	8-13/16	1/2	3/4	11/16				6				6		2.39	2.33
R47	9	8-1/4	9-3/4	3/4	1	15/16						6				5.06	4.99
R48	9-3/4	9-7/16	10-1/16	5/16	9/16	1/2	8									1.350	1.240
R49	10-5/8	10-3/16	11-1/16	7/16	11/16	5/8		8	8				8			2.47	2.40
R50	10-5/8	10	11-1/4	5/8	7/8	13/16				8				8		4.40	4.32
R51	11	10-1/8	11-7/8	7/8	1-1/8	1-1/16						8				8.05	8.17
R52	12	11-11/16	12-5/16	5/16	9/16	1/2	10									1.66	1.53
R53	?																
R54	?																
R55	?																
R56	15	14-11/16	15-5/16	5/16	9/16	1/2	12									2.07	1.92
R57	15	14-9/16	15-7/16	7/16	11/16	5/8		12	12				12			3.48	3.38
R58	15	14-1/8	15-7/8	7/8	1-1/8	1-1/16				12						11.00	11.13

FORGED SEAMLESS RING JOINT GASKETS ARE AVAILABLE IN THE FOLLOWING MATERIALS

SOFT IRON	Scot R20D	304	Scot R20S304
LOW CARBON STEEL	Scot R20S	310	Scot R20S310
1-1/4 CR 1/2 MO	Scot R20SF11	316	Scot R20S316
2-1/4 CR 1 MO	Scot R20SF22	321	Scot R20S321
9 CR 1 MO	Scot R20SF9	347	Scot R20S347
COPPER	Scot R20CU	405	Scot R20S405
ALUMINUM	Scot R20AL	410	Scot R20S410
INCONEL	Scot R20 INCONEL	430	Scot R20S430
MONEL	Scot R20 MONEL	502	Scot R20F5
NICKEL	Scot R20 NI	Kel-F	
304 ELC	Scot R20S304L	Teflon	
316 ELC	Scot R20S316L		

	MAX. HARDNESS	
	Brinell	Rockwell "B"
SOFT IRON	90	50
LOW CARBON STEEL	120	68
TYPE 304	160	83
TYPE 304L	130	72
TYPE 316	160	83
TYPE 316L	130	72
TYPE 410	170	86
TYPE 502	130	72



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A P I R I N G N U M B E R	GASKET DIMENSION, INCHES						SIZE OF FLANGE, INCHES						GASKET WEIGHTS LBS.			
	C E N T E R T O C E N T E R	I N S I D E D I A M E T E R	O U T S I D E D I A M E T E R	W I D T H O F R I N G	H E I G H T O F R I N G		G E N E R A L U S E					O I L F I E L D U S E				
					O V A L	O C T A G O N A L	150 LBS.	300 TO 600 LBS.	900 LBS.	1500 LBS.	2500 LBS.	500, 1000, 2000, 3000 LBS.	5000 LBS.	O V A L R I N G	O C T A G O N A L R I N G	
R59	15-5/8	15-5/16	15-15/16	5/16	9/16	1/2	14*								2.16	2.00
R60	16	14-3/4	17-1/4	1-1/4	1-9/16	1-1/2						12			23.10	23.50
R61	16-1/2	16-1/16	16-15/16	7/16	11/16	5/8		14*					14		3.83	3.73
R62	16-1/2	15-7/8	17-1/8	5/8	7/8	13/16			14*						6.84	6.71
R63	16-1/2	15-1/2	17-1/2	1	1-5/16	1-1/4				14*					16.20	16.57
R64	17-7/8	17-9/16	18-3/16	5/16	9/16	1/2	16*								2.47	2.29
R65	18-1/2	18-1/16	18-15/16	7/16	11/16	5/8		16*				16			4.30	4.18
R66	18-1/2	17-7/8	19-1/8	5/8	7/8	13/16			16*						7.67	7.53
R67	18-1/2	17-3/8	19-5/8	1-1/8	1-7/16	1-3/8				16*					22.30	23.40
R68	20-3/8	20-1/16	20-11/16	5/16	9/16	1/2	18*								2.82	2.60
R69	21	20-9/16	21-7/16	7/16	11/16	5/8		18*				18			4.87	4.74
R70	21	20-1/4	21-3/4	3/4	1	15/16			18*						11.80	11.64
R71	21	19-7/8	22-1/8	1-1/8	1-7/16	1-3/8				18*					25.20	26.50
R72	22	21-11/16	22-5/16	5/16	9/16	1/2	20*								3.04	2.81
R73	23	22-1/2	23-1/2	1/2	3/4	11/16		20*				20			6.60	6.47
R74	23	22-1/4	23-3/4	3/4	1	15/16			20*						12.95	12.75
R75	23	21-3/4	24-1/4	1-1/4	1-9/16	1-1/2				20*					33.30	35.30
R76	26-1/2	26-3/16	26-13/16	5/16	9/16	1/2	24*								3.66	3.38
R77	27-1/4	26-5/8	27-7/8	5/8	7/8	13/16		24*							11.30	11.10
R78	27-1/4	26-1/4	28-1/4	1	1-5/16	1-1/4			24*						27.10	27.58
R79	27-1/4	25-7/8	28-5/8	1-3/8	1-3/4	1-5/8				24*					48.70	49.75
R80	24-1/4	23-15/16	24-9/16	5/16		1/2	22*									3.11
R81	25	24-7/16	25-9/16	9/16	3/4	2		22*								8.55
R82	2-1/4	1-13/16	2-11/16	7/16		5/8						1 †				.508
R83																
R84	2-1/2	2-1/16	2-15/16	7/16		5/8						1-1/2 †				.564
R85	3-1/8	2-5/8	3-5/8	1/2		11/16						2 †				.978
R86	3-9/16	2-15/16	4-3/16	5/8		13/16						2-1/2 †				1.447
R87	3-15/16	3-5/16	4-9/16	5/8		13/16						3 †				1.597
R88	4-7/8	4-1/8	5-5/8	3/4		15/16						4 †				2.735
R89	4-1/2	3-3/4	5-1/4	3/4		15/16						3-1/2 †				2.528
R90	6-1/8	5-1/4	7	7/8		1-1/16						5 †				4.55
R91	10-1/4	9	11-1/2	1-1/4		1-1/2						10 †				15.05
R92	9	8-9/16	9-7/16	7/16	11/16	5/8								2.07		2.02
R93	29-1/2	28-3/4	30-1/4	3/4		15/16		26*								16.33
R94	31-1/2	30-3/4	32-1/4	3/4		15/16		28†								17.44
R95	33-3/4	33	34-1/2	3/4		15/16		30†								18.69
R96	36	35-1/8	36-7/8	7/8		1-1/16		32†								26.65
R97	38	37-1/8	38-7/8	7/8		1-1/16		34 †								28.13
R98	40-1/4	39-3/8	41-1/8	7/8		1-1/16		36 †								29.79
R99	9-1/4	8-13/16	9-11/16	7/16	5/8	9/16								2.10		2.05
R100	29-1/2	28-3/8	30-5/8	1-1/8		1-3/8			26							38.70
R101	31-1/2	30-1/4	32-3/4	1-1/4		1-1/2			28							49.00
R102	33-3/4	32-1/2	35	1-1/4		1-1/2			30							63.60
R103	36	34-3/4	37-1/4	1-1/4		1-1/2			32							57.00
R104	38	36-5/8	39-3/8	1-3/8		1-5/8			34							71.60
R105	40-1/4	38-7/8	41-5/8	1-3/8		1-5/8			36							105.00

*Outside Diameter
† 10,000 Lbs. Oil Field Use



Style 150
OVAL

Style 151
OCTAGONAL

UNLESS OTHERWISE SPECIFIED, SCOT FORGED SEAMLESS RING JOINT GASKETS WILL BE FURNISHED IN OVAL DESIGN.