

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

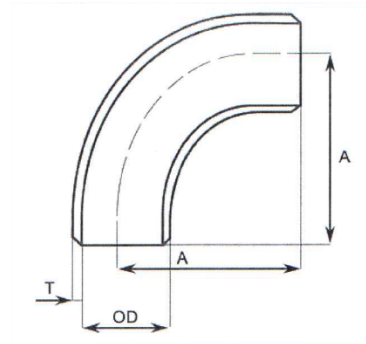
STAINLESS STEEL BUTTWELD FITTINGS

90° L.R Elbows (Welded)

ASTM A 403 WPW 304/304L/316/316L

ASME SA 403 WPW

SCH 10S Wall thickness



NOMINAL PIPE SIZE		OUTSIDE DIAMETER (OD)	WALL THICKNESS (T)	CENTRE TO END (C)	WEIGHT
mm	inches				
15	1/2	21.34	2.11	38.40	0.060
20	3/4	26.67	2.11	28.50	0.057
25	1	33.40	2.77	38.10	0.140
32	1 ¼	42.16	2.77	47.62	0.201
40	1 1/2	48.26	2.77	57.15	0.279
50	2	60.32	2.77	76.20	0.470
65	2 1/2	73.02	3.05	95.25	0.786
80	3	88.90	3.05	114.30	1.16
100	4	114.30	3.05	152.40	2.00
125	5	141.30	3.40	190.50	3.46
150	6	168.27	3.40	228.60	4.96
200	8	219.07	3.76	304.80	9.55
250	10	273.05	4.19	381.00	16.6
300	12	323.85	4.57	457.20	25.8
350	14	355.60	4.78	533.40	34.6
400	16	406.40	4.78	609.60	45.2
450	18	457.20	4.78	685.80	57.3
500	20	508.00	5.54	762.00	82.0
550	22	558.80	5.54	838.20	99.4
600	24	609.60	6.55	914.40	136.0

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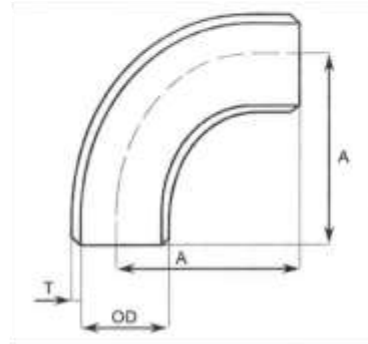
STAINLESS STEEL BUTTWELD FITTINGS

90° L.R Elbows (Welded)

ASTM A 403 WPW 304/304L/316/316L

ASME SA 403 WPW

SCH 40S Wall thickness



NOMINAL PIPE SIZE		OUTSIDE DIAMETER (OD)	WALL THICKNESS (T)	CENTRE TO END (C)	WEIGHT
mm	inches				
15	1/2	21.34	2.77	38.10	0.076
20	3/4	26.67	2.87	28.50	0.076
25	1	33.40	3.38	38.10	0.150
32	1 ¼	42.16	3.56	47.62	0.253
40	1 1/2	48.26	3.68	57.15	0.363
50	2	60.32	3.91	76.20	0.651
65	2 1/2	73.02	5.16	95.25	1.29
80	3	88.90	5.49	114.30	2.02
100	4	114.30	6.02	152.40	3.84
125	5	141.30	6.55	190.50	6.51
150	6	168.27	7.11	228.60	10.1
200	8	219.07	8.18	304.80	20.3
250	10	273.05	9.27	381.00	36.0
300	12	323.85	9.52	457.20	53.0
350	14	355.60	9.52	533.40	68.0
400	16	406.40	9.52	609.60	89.20
450	18	457.20	9.52	685.80	113
500	20	508.00	9.52	762.00	140
550	22	558.80	9.52	838.20	170
600	24	609.60	9.52	914.40	202

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STAINLESS STEEL NOMINAL BORE PIPES SEAMLESS

TYPE: (AISI) 304/304L AND 316/316L SEAMLESS TO ASTM A312/ASME SA 312

NOMINAL BORE MM	SCH	OUTSIDE DIAMETER (OD)	INSIDE DIAMETER (ID)	WALL THICKNESS	KG/M
8	10S	13.72	10.42	1.65	0.49
	40S	13.72	9.25	2.24	0.64
	80S	13.72	7.67	3.02	0.80
10	10S	17.15	13.84	1.65	0.64
	40S	17.15	12.52	2.31	0.85
	80S	17.15	10.74	3.20	1.10
15	10S	21.34	17.12	2.11	1.01
	40S	21.34	15.80	2.77	1.27
	80S	21.34	13.88	3.73	1.64
20	10S	26.67	22.45	2.11	1.29
	40S	26.67	20.93	2.87	1.71
	80S	26.67	18.85	3.91	2.19
25	10S	33.40	27.86	2.77	2.12
	40S	33.40	26.64	3.38	2.54
	80S	33.40	24.30	4.55	3.23
32	10S	42.16	36.62	2.77	2.76
	40S	42.16	35.04	3.56	3.45
	80S	42.16	32.46	4.85	4.47
40	10S	48.24	42.72	2.77	3.15
	40S	48.24	40.90	3.68	4.11
	80S	48.24	38.10	5.08	5.40
50	10S	60.33	54.79	2.77	3.99
	40S	60.33	52.51	3.91	5.29
	80S	60.33	49.25	5.54	7.47
65	10S	73.03	66.93	3.05	5.35
	40S	73.03	62.71	5.16	8.80
	80S	73.03	59.01	7.01	11.40
80	10S	88.90	82.80	3.05	6.56
	40S	88.90	77.92	5.49	11.48
	80S	88.90	73.66	7.62	15.25
100	10S	114.30	108.20	3.05	8.50
	40S	114.30	102.26	6.02	16.34
	80S	114.30	97.18	8.56	22.29

NOMINAL BORE MM	SCH	OUTSIDE DIAMETER (OD)	INSIDE DIAMETER (ID)	WALL THICKNESS	KG/M
125	10S	141.30	134.50	3.40	11.75
	40S	141.30	128.20	6.55	22.12
	80S	141.30	122.26	9.52	30.92
150	10S	168.28	161.48	3.40	14.05
	40S	168.28	154.06	7.11	28.72
	80S	168.28	146.34	10.97	42.52
200	10S	219.08	211.56	3.76	20.30
	40S	219.08	202.72	8.18	43.27
	80S	219.08	193.68	12.70	64.57
250	10S	273.05	264.67	4.19	28.24
	40S	273.05	254.51	9.27	61.30
	80S	273.05	247.65	12.70	81.46
300	10S	323.85	314.71	4.57	36.58
	40S	323.85	304.81	9.52	75.09
	80S	323.85	298.45	12.70	97.36
350	10S	355.60	346.04	4.57	41.99
	40S	355.60	336.54	9.53	82.58
	80S	355.60	330.20	12.70	109.04
400	10S	406.40	396.84	4.78	48.07
	40S	406.40	387.34	9.53	94.70
	80S	406.40	381.00	12.70	125.20
450	10S	457.20	447.64	4.78	54.15
	40S	457.20	438.14	9.53	106.83
	80S	457.20	431.80	12.70	141.35
500	10S	508.00	496.92	5.54	69.70
	40S	508.00	488.94	9.53	118.93
	80S	508.00	482.60	12.70	157.51
550	10S	558.80	547.72	5.54	76.75
	40S	558.80	539.74	9.53	131.07
	80S	558.80	533.40	12.70	173.66
600	10S	609.60	596.90	6.35	95.92
	40S	609.60	590.54	9.53	143.20
	80S	609.60	584.20	12.70	189.82

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STAINLESS STEEL NOMINAL BORE PIPES

TYPE: (AISI) 304/304L AND 316/316L WELDED TO ASTM A312/ASME SA 312

NOMINAL BORE MM	SCH	OUTSIDE DIAMETER (OD)	INSIDE DIAMETER (ID)	WALL THICKNESS	KG/M
8	10S	13.72	10.42	1.65	0.49
	40S	13.72	9.25	2.24	0.64
10	10S	17.15	13.84	1.65	0.64
	40S	17.15	12.52	2.31	0.85
15	10S	21.34	17.12	2.11	1.01
	40S	21.34	15.80	2.77	1.27
20	10S	26.67	22.45	2.11	1.29
	40S	26.67	20.93	2.87	1.71
25	10S	33.40	27.86	2.77	2.12
	40S	33.40	26.64	3.38	2.54
32	10S	42.16	36.62	2.77	2.76
	40S	42.16	35.04	3.56	3.45
40	10S	48.24	42.72	2.77	3.15
	40S	48.24	40.90	3.68	4.11
50	10S	60.33	54.79	2.77	3.99
	40S	60.33	52.51	3.91	5.29
65	10S	73.03	66.93	3.05	5.35
	40S	73.03	62.71	5.16	8.80
80	10S	88.90	82.80	3.05	6.56
	40S	88.90	77.92	5.49	11.48
100	10S	114.30	108.20	3.05	8.50
	40S	114.30	102.26	6.02	16.34

NOMINAL BORE MM	SCH	OUTSIDE DIAMETER (OD)	INSIDE DIAMETER (ID)	WALL THICKNESS	KG/M
125	10S	141.30	134.5	3.40	11.75
	40S	141.30	128.20	6.55	22.12
150	10S	168.28	161.48	3.40	14.05
	40S	168.28	154.06	7.11	28.72
200	10S	219.08	211.56	3.76	20.30
	40S	219.08	202.72	8.18	43.27
250	10S	273.05	264.67	4.19	28.24
	40S	273.05	254.51	9.27	61.30
300	10S	323.85	314.71	4.57	36.58
	40S	323.85	304.81	9.52	75.09
350	10S	355.60	346.04	4.78	41.99
	40S	355.60	336.54	9.53	82.58
400	10S	406.40	396.84	4.78	48.07
	40S	406.40	387.34	9.53	94.70
450	10S	457.20	447.64	4.78	54.15
	40S	457.20	438.14	9.53	106.83
500	10S	508.00	496.92	5.54	69.70
	40S	508.00	488.94	9.53	118.93
550	10S	558.80	547.72	5.54	76.75
	40S	558.80	539.74	9.53	131.07
600	10S	609.60	596.90	6.35	95.92
	40S	609.60	590.54	9.53	143.20

METFERRE

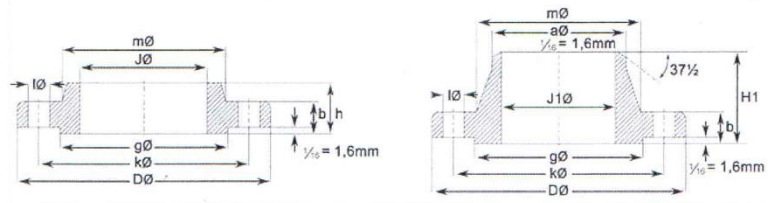
SUPPLIERS OF STAINLESS & STEEL

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES

ASA Specification-ANSI (ASA) B 16.5

150 lbs slip-on flanges and welding neck flanges



PIPE		FLANGE						HUB			DRILLING TEMPLATE			APPROX WEIGHT	
Nom Size NW	OD In. mm	D In. mm	J In. mm	J ₁ In. mm	b In. mm	h In. mm	H ₁ In. mm	m In. mm	a In. mm	g In. mm	N Ø In. mm	I In. mm	k In. mm	Pounds S/O kilo W/N	
½"	0.84 21.3	3 1/2 88.9	0.88 22.3	0.62 15.7	7/16 11.1	5/8 15.9	1 7/8 47.6	1 3/16 30.2	0.84 21.3	1 3/8 34.9	4	5/8 15.9	2 3/8 60.3	1 0.5	2 0.9
¾"	1.05 26.7	3 7/8 98.4	1.09 27.7	0.82 20.8	½ 12.7	5/8 15.9	2 1/16 52.4	1 ½ 38.1	1.05 26.7	1 11/16 42.9	4	5/8 15.9	2 ¾ 69.8	2 0.9	2 0.9
1"	1.315 33.4	4 ¼ 107.9	1.36 34.5	1.05 26.7	9/16 14.3	11/16 17.5	2 3/16 55.6	1 15/16 49.2	1.32 33.5	5 50.8	4	5/8 15.9	3 1/8 79.4	2 0.9	3 1.4
1 ¼"	1.66 42.2	4 5/8 117.5	1.70 43.2	1.38 35.1	¾ 15.9	13/16 20.6	2 ¼ 57.1	2 5/16 58.7	1.66 42.2	2 ½ 63.5	4	5/8 15.9	3 ½ 88.9	3 1.4	3 1.4
1 ½"	1.90 48.3	5 127	1.95 49.5	1.61 40.9	11/16 17.5	7/8 22.2	2 7/16 61.9	2 9/16 65.1	1.90 48.3	2 7/8 73.0	4	5/8 15.9	3 7/8 98.4	3 1.4	4 1.8
2"	2.375 60.3	6 152.4	2.44 62.0	2.07 52.6	¾ 19.0	1 25.4	2 ½ 63.5	3 1/16 77.8	2.38 60.4	3 5/8 92.1	4	3/4 19.0	4 ¼ 120.6	5 2.3	6 2.7
2 ½"	2.875 73.0	7 177.8	2.94 74.7	2.47 62.7	7/8 22.2	1 1/8 28.6	2 ¾ 69.8	3 9/16 90.5	2.88 73.1	4 1/8 104.8	4	¾ 19.0	5 ½ 139.7	7 3.2	8 3.6
3"	3.50 88.9	7 ½ 190.5	3.57 90.7	3.07 78.0	15/16 23.8	1 3/16 30.2	2 ¾ 69.8	4 ¼ 107.9	3.50 88.9	5 127	8	¾ 19.0	6 152.4	8 3.6	10 4.5
3 ½"	4.00 101.6	8 ½ 215.9	4.07 103.4	3.55 90.2	15/16 23.8	1 ¼ 31.7	2 13/16 71.4	4 13/16 122.2	4.00 101.6	5 ½ 139.7	8	¾ 19.0	7 177.8	11 5.0	12 5.4
4"	4.50 114.3	9 228.6	4.57 116.1	4.03 102.4	15/16 23.8	1 5/16 33.3	3 76.2	5 5/16 134.9	4.50 114.3	6 3/16 157.2	8	¾ 19.0	7 ½ 190.5	13 5.9	15 6.8
5"	5.563 141.3	10 254	5.66 143.8	5.05 128.3	15/16 23.8	1 7/16 36.5	3 ½ 88.9	6 7/16 163.5	5.56 141.2	7 5/16 185.7	8	7/8 22.2	8 ½ 215.9	15 6.8	19 8.6
6"	6.625 168.3	11 279.4	6.72 170.7	6.07 154.2	1 25.4	1 9/16 39.7	3 ½ 88.9	7 9/16 192.1	6.63 168.4	8 ½ 215.9	8	7/8 22.2	9 ½ 241.3	19 8.6	24 10.9
8"	8.625 219.1	13 ½ 596.9	8.72 221.5	7.98 202.7	1 1/8 28.6	1 ¼ 44.4	4 101.6	9 11/16 246.1	8.63 219.2	10 5/8 269.9	1 2	7/8 22.2	11 ¼ 298.4	30 13.6	39 17.7
10"	10.75 273	16 406.4	10.88 276.3	10.02 254.5	1 3/16 30.2	1 15/16 49.2	4 101.6	12 304.8	10.75 273	12 ¾ 323.8	1 2	1 25.4	14 ½ 361.9	43 19.5	52 23.6

12"	12.75 323.8	19 482.6	12.88 327.1	12.00 304.8	1 ¼ 31.7	2 3/16 55.6	4 ½ 114.3	14 3/8 365.1	12.75 323.8	15 381	1 2	1 25.4	17 431.8	64 29.0	80 36.3
14"	14.0 355.6	21 533.4	14.14 359.1	To be Specified by purchaser	1 3/8 34.9	2 ¼ 57.1	5 127	15 ¾ 400	14.00 355.6	16 ¾ 412.9	1 6	1 1/8 28.6	18 ¾ 476.2	90 41.0	110 50.0
16"	16.0 406.4	23 ½ 596.9	16.16 410.5		1 7/16 36.5	2 ½ 63.5	5 127	18 457.2	16.00 406.4	18 ½ 469.9	1 6	1 1/8 28.6	21 ¾ 539.7	98 44.5	140 64.0
18"	18.0 457.2	25 635	18.18 461.8		1 9/16 39.7	2 11/16 68.3	5 ½ 139.7	19 7/8 504.8	18.00 457.2	21 533.4	2 0	1 ¼ 31.7	22 ¾ 577.8	130 59.0	150 68.0
20"	20.0 508	27 ½ 698.5	20.20 513.1		1 11/16 42.9	2 7/8 73.0	5 11/16 144.5	22 558.8	20.00 508	23 584.2	2 0	1 ¼ 31.7	25 635	165 75.0	180 81.6
24"	24.0 609.6	32 812.8	24.25 615.9		1 7/8 47.6	3 ¾ 47.6	6 152.4	26 1/8 663.6	24.00 609.6	27 ¾ 692.1		1 3/8 34.9	29 ½ 749.3	220 99.8	260. 118

MET FERRO

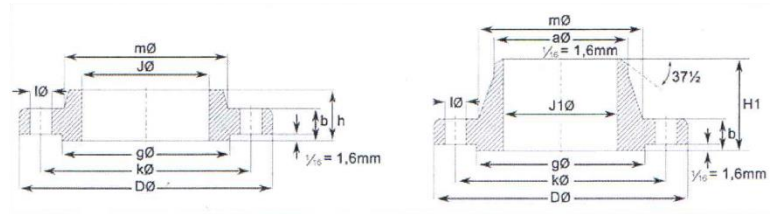
SUPPLIERS OF STAINLESS & STEEL

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES

ASA Specification-ANSI (ASA) B 16.5

300 lbs slip-on flanges and welding neck flanges



PIPE		FLANGE						HUB			DRILLING TEMPLATE			APPROX WEIGHT	
Nom Size NW	OD In. mm	D In. mm	J In. mm	J ₁ In. mm	b In. mm	h In. mm	H ₁ In. mm	m In. mm	a In. mm	g In. mm	N o	I In. mm	k In. mm	Pounds S/O kilo W/N	
½"	0.84 21.3	3 3/4 95.2	0.88 22.3	0.62 15.7	9/16 14.3	7/8 22.2	2 1/16 52.4	0.84 21.3	1 1/2 38.1	1 3/8 34.9	4	5/8 15.9	2 5/8 66.7	2 0.9	2 0.9
¾"	1.05 26.7	4 5/8 117.5	1.09 27.7	0.82 20.8	5/8 15.9	1 25.4	2 1/4 57.1	1.05 26.7	1 7/8 47.6	1 11/16 42.9	4	3/4 19.0	3 1/4 82.5	3 1.4	3 1.4
1"	1.315 33.4	4 7/8 123.8	1.36 34.5	1.05 26.7	1 1/16 17.5	1 1/16 27.0	2 7/16 61.9	1.32 33.5	2 1/8 54.0	5 50.8	4	3/4 19.0	3 1/2 88.9	3 1.4	4 1.8
1 ¼"	1.66 42.2	5 1/4 133.3	1.70 43.2	1.38 35.1	3/4 19	1 1/16 27.0	2 9/16 65.1	1.66 42.2	2 1/2 63.5	2 ½ 63.5	4	3/4 19.0	3 7/8 98.4	4 1.8	5 2.3
1 ½"	1.90 48.3	6 1/8 155.6	1.95 49.5	1.61 40.9	13/16 20.6	1 3/16 30.2	2 11/16 68.3	1.90 48.3	2 3/4 69.8	2 7/8 73.0	4	7/8 22.2	4 1/2 114.3	6 2.7	7 3.2
2"	2.375 60.3	6 1/2 165.1	2.44 62.0	2.07 52.6	7/8 22.2	1 5/16 33.3	2 3/4 69.8	2.38 60.4	3 5/16 84.1	3 5/8 92.1	8	3/4 19.0	5 127	7 3.2	9 4.1
2 ½"	2.875 73.0	7 1/2 190.5	2.94 74.7	2.47 62.7	1 25.4	1 1/2 38.1	2 ¾ 69.8	2.88 73.1	3 15/16 100	4 1/8 104.8	8	7/8 22.2	5 7/8 149.2	10 4.5	12 5.4
3"	3.50 88.9	8 1/4 209.5	3.57 90.7	3.07 78.0	1 1/8 28.6	1 11/16 42.9	3 76.2	3.50 88.9	4 5/8 117.5	5 127	8	7/8 22.2	6 5/8 168.3	13 5.9	15 6.8
3 ½"	4.00 101.6	9 228.6	4.07 103.4	3.55 90.2	1 3/16 30.2	1 3/4 44.4	3 1/8 79.4	4.00 101.6	5 1/4 133.3	5 ½ 139.7	8	7/8 22.2	7 1/4 184.1	17 7.7	18 8.2
4"	4.50 114.3	10 254	4.57 116.1	4.03 102.4	1 1/4 31.7	1 7/8 47.6	3 3/16 81.0	4.50 114.3	5 3/4 146	6 3/16 157.2	8	7/8 22.2	7 7/8 200	22 10.0	25 11.3
5"	5.563 141.3	11 279.4	5.66 143.8	5.05 128.3	1 3/8 34.9	2 50.8	3 3/8 85.7	5.56 141.2	7 177.8	7 5/16 185.7	8	7/8 22.2	9 1/4 234.9	28 12.7	32 14.5
6"	6.625 168.3	12 1/2 317.5	6.72 170.7	6.07 154.2	1 7/16 36.5	2 1/16 52.4	3 7/8 98.4	6.63 168.4	8 1/8 206.4	8 ½ 215.9	1 2	7/8 22.2	10 5/8 269.9	39 17.7	42 19.0
8"	8.625 219.1	15 381	8.72 221.5	7.98 202.7	1 5/8 41.3	2 7/16 61.9	4 3/8 98.4	8.63 219.2	10 1/4 260.3	10 5/8 269.9	1 2	1 25.4	13 330.2	58 26.3	67 30.4
10"	10.75 273	17 1/2 444.5	10.88 276.3	10.02 254.5	1 7/8 47.6	5 5/8 66.7	4 5/8 117.5	10.75 273	12 5/8 320.7	12 ¾ 323.8	1 6	1 1/8 28.6	15 1/4 387.3	81 36.7	91 41.3

12"	12.75 323.8	20 1/2 520.7	12.88 327.1	12.00 304.8	2 50.8	2 7/8 73	5 1/8 130.2	12.75 323.8	14 3/4 374.6	15 381	1 6	1 1/4 31.7	17 3/4 450.8	115 52.2	140 63.5
14"	14.0 355.6	23 584.2	14.14 359.1	To be Specified by purchaser	2 1/8 54	3 76.2	5 5/8 142.9	14.00 355.6	16 3/4 425.4	16 ¼ 412.9	2 0	1 1/4 31.7	20 1/4 514.3	165 74.8	180 81.6
16"	16.0 406.4	25 1/2 647.7	16.16 410.5		2 ¼ 57.1	3 1/4 82.5	5 3/4 146	16 406.4	19 482.6	18 ½ 469.9	2 0	1 3/8 34.9	22 1/2 571.5	190 86.2	250 113
18"	18.0 457.2	28 711.2	18.18 461.8		2 3/8 60.3	3 1/2 88.9	6 1/4 158.7	18 457.2	21 533.4	21 533.4	2 4	1 3/8 34.9	24 3/4 628.6	250 113	320 145
20"	20.0 508	30 1/2 774.7	20.20 513.1		2 1/2 63.5	3 3/4 95.2	6 3/8 161.9	20 508	23 1/8 587.4	23 584.2	2 4	1 3/8 34.9	27 685.8	315 143	400 181
24"	24.0 609.6	36 914.4	24.25 615.9		2 3/4 69.8	4 3/16 106.4	6 5/8 168.3	24.00 609.6	27 5/8 701.7	27 ¼ 692.1	2 4	1 5/8 41.3	32 812.8	475 215	580 263

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES BS 10/1962 TABLE D

DIMENSIONS, MASS AND MAXIMUM PRESSURE RATINGS

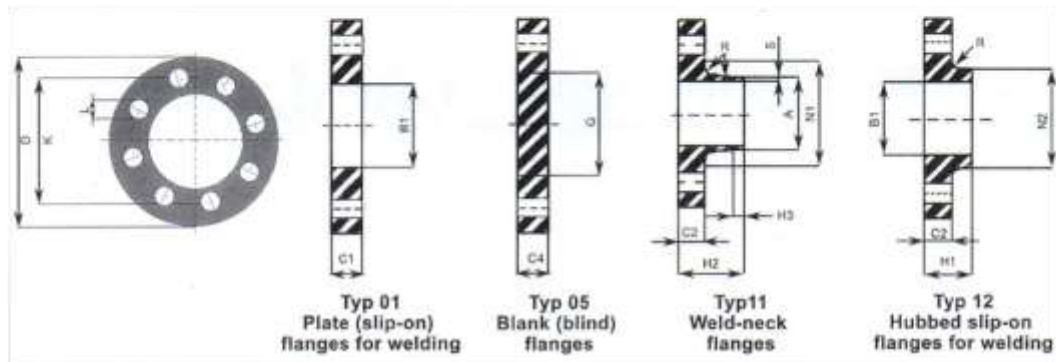
°C	-17.8 TO232.2	260	287.8	315.6	343.3	371.1	399	427	441	454	468	482	MAX HYD TEST PRES
kPa "D"	689.7 1275.95	586.2 1172.5	551.7 1069	482.8 965.6	448.3 896.6	379.3 793.2	344.85 689.7	- -	- -	- -	- -	- -	1034 2069.5
Pipe		Diameter of Flange		Bolt Circle Diameter		Diameter of Bolts		Number of Bolts		Thickness of Flange		Approximate Weight in Kg	
Nom Size (in.)	OD (mm)	D		D		D		D		D		D	
½	21.3	95.2		66.7		12		4		4.76		0.2	
¾	26.9	101.6		73.0		12		4		4.76		0.2	
1	33.7	114.3		82.6		12		4		4.76		0.5	
1 ¼	42.2	120.6		87.3		12		4		6.35		0.6	
1 ½	48.3	133.4		98.4		12		4		6.35		0.7	
2	60.3	152.4		114.3		16		4		7.94		1.0	
2 ½	73.0	165.1		127.0		16		4		7.94		1.1	
3	88.9	184.2		146.0		16		4		9.53		1.6	
3 ½	101.6	203.2		165.1		16		4		9.53		1.8	
4	114.3	215.9		177.8		16		4		9.53		2.0	
5	141.3	254.0		209.6		16		8		12.7		3.5	
6	168.3	279.4		235.0		16		8		12.7		4.0	
8	219.1	336.6		292.1		16		8		12.7		5.0	
10	273	406.4		355.6		20		8		15.9		9.0	
12	323.8	457.2		406.4		20		12		19.0		11.0	
14	355.6	527.0		469.9		22		12		22.2		15.0	
16	406.4	577.85		520.7		22		12		22.2		17.0	
18	457.2	641.3		584.2		22		12		25.4		25.0	
20	508	704.8		641.3		22		16		28.6		33.0	
24	609.6	825.5		755.6		24		16		31.75		45.0	

METFERRO

SUPPLIERS OF STAINLESS & STEEL

Brian Broodryk, 0768841602. Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES PN10 EN 1092-1



Nominal Diameter (DN)	Mating Dimensions					Outside diameter of neck	Bore diameters	Flange thickness			Diameter of shoulder	Length			Neck diameter		Corner Radius	Neck thickness (Preferred value)
	Outside Diameter	Diameter of bolt Circle	Diameter of bolt hole	Bolts														
	D	K	L	No	Size	A	B1	C 1	C 2	C4	G Max	H1	H2	H3	N1	N2	R	S
	Flange types																	
	01,05,11,12					11	01 12	01	11 12	05	05	12	11	11	11	12	11 12	11
10	90	60	14	4	M12	17.2	18.0	14	16	16	-	22	35	6	28	30	4	1.8
15	95	65	14	4	M12	21.3	22.0	14	16	16	-	22	38	6	32	35	4	2.0
20	105	75	14	4	M12	26.9	27.5	16	18	18	-	26	40	6	40	45	4	2.3
25	115	85	14	4	M12	33.7	34.5	16	18	18	-	28	40	6	46	52	4	2.6
32	140	100	18	4	M16	42.4	43.5	18	18	18	-	30	42	6	56	60	6	2.6
40	150	110	18	4	M16	48.3	49.5	18	18	18	-	32	45	7	64	70	6	2.6
50	165	125	18	4	M16	60.3	61.5	19	18	18	-	28	45	8	74	84	5	2.9
65	185	145	18	8	M16	76.1	77.5	20	18	18	55	32	45	10	92	104	6	2.9
80	200	160	18	8	M16	88.9	90.5	20	20	20	70	34	50	10	105	118	6	3.2
100	220	180	18	8	M16	114.3	116.0	22	20	20	90	40	52	12	131	140	8	3.6
125	250	210	18	8	M16	139.7	141.5	22	22	22	115	44	55	12	156	168	8	4.0
150	285	240	22	8	M20	168.3	170.5	24	22	22	140	44	55	12	184	195	10	4.5
200	340	295	22	8	M20	219.1	221.5	24	24	24	190	44	62	16	234	246	10	5.9
250	395	350	22	12	M20	273.0	276.5	26	26	26	235	46	68	16	292	298	12	6.3
300	445	400	22	12	M20	323.9	327.5	26	26	26	285	46	68	16	342	350	12	7.1
350	505	460	22	16	M20	335.6	359.5	28	26	26	330	53	68	16	385	400	12	7.1
400	565	515	26	16	M24	406.4	411.0	32	26	26	380	57	72	16	440	456	12	7.1

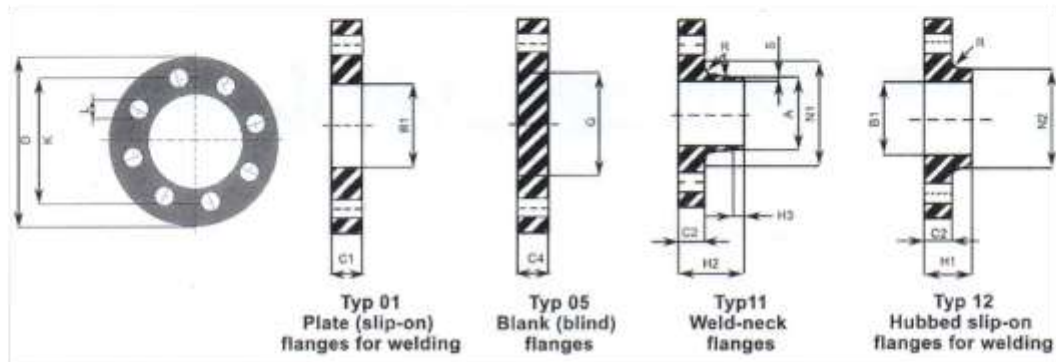
450	615	565	26	20	M24	457.0	462.0	36	28	28	425	63	72	16	488	502	12	7.1
500	670	620	26	20	M24	508.0	513.5	38	28	28	475	67	75	16	542	559	12	7.1
600	780	725	30	20	M27	610.0	616.5	42	34	34	575	75	80	18	642	658	12	7.1

METFERRO

SUPPLIERS OF STAINLESS & STEEL

BRIAN BROODRYK. CELL: 0768841602. Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES PN16 EN 1092-1



Nominal Diameter (DN)	Mating Dimensions					Outside diameter of neck	Bore diameters	Flange thickness			Diameter of shoulder	Length			Neck diameter		Corner Radius	Neck thickness (Preferred value)
	Outside Diameter	Diameter of bolt Circle	Diameter of bolt hole	Bolts														
	D	K	L	No	Size	A	B1	C 1	C 2	C4	G Max	H1	H2	H3	N1	N2	R	S
	Flange types																	
	01,05,11,12					11	01 12	01	11 12	05	05	12	11	11	11	12	11 12	11
10	90	60	14	4	M12	17.2	18.0	14	16	16	-	22	35	6	28	30	4	1.8
15	95	65	14	4	M12	21.3	22.0	14	16	16	-	22	38	6	32	35	4	2.0
20	105	75	14	4	M12	26.9	27.5	16	18	18	-	26	40	6	40	45	4	2.3
25	115	85	14	4	M12	33.7	34.5	16	18	18	-	28	40	6	46	52	4	2.6
32	140	100	18	4	M16	42.4	43.5	18	18	18	-	30	42	6	56	60	6	2.6
40	150	110	18	4	M16	48.3	49.5	18	18	18	-	32	45	7	64	70	6	2.6
50	165	125	18	4	M16	60.3	61.5	19	18	18	-	28	45	8	74	84	5	2.9
65	185	145	18	8	M16	76.1	77.5	20	18	18	55	32	45	10	92	104	6	2.9
80	200	160	18	8	M16	88.9	90.5	20	20	20	70	34	50	10	105	118	6	3.2
100	220	180	18	8	M16	114.3	116.0	22	20	20	90	40	52	12	131	140	8	3.6
125	250	210	18	8	M16	139.7	141.5	22	22	22	115	44	55	12	156	168	8	4.0
150	285	240	22	8	M20	168.3	170.5	24	22	22	140	44	55	12	184	195	10	4.5
200	340	295	22	12	M20	219.1	221.5	26	24	24	190	44	62	16	235	246	10	5.9
250	405	355	26	12	M24	273.0	276.5	29	26	26	235	46	70	16	292	298	12	6.3
300	460	410	26	12	M24	323.9	327.5	32	28	28	285	46	78	16	344	350	12	7.1
350	520	470	26	16	M24	335.6	359.5	35	30	30	330	57	82	16	390	400	12	8.0
400	580	525	30	16	M27	406.4	411.0	38	32	32	380	63	85	16	445	456	12	8.0

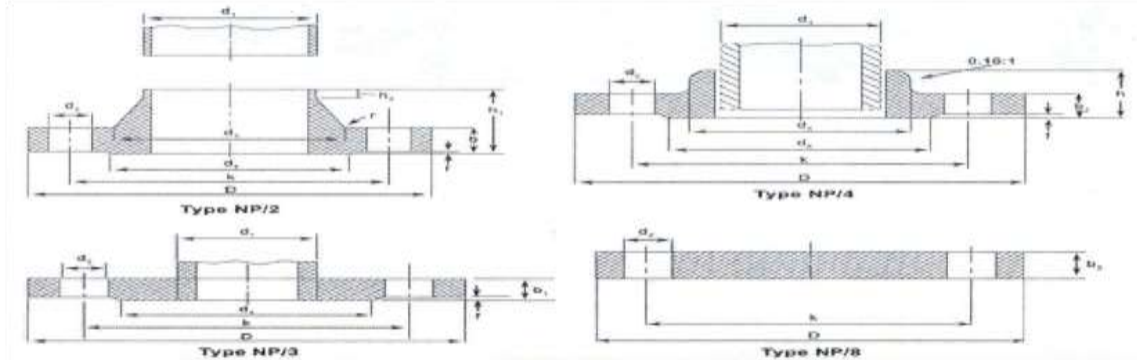
450	640	585	30	20	M27	457.0	462.0	42	40	40	425	68	87	16	490	502	12	8.0
500	715	650	33	20	M30	508.0	513.5	46	44	44	475	73	90	16	548	559	12	8.0
600	840	770	36	20	M33	610.0	616.5	52	54	54	575	83	95	18	652	658	12	8.0

METFERRE

SUPPLIERS OF STAINLESS & STEEL

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES; SABS 1123/SANS 1123(1000kPa)



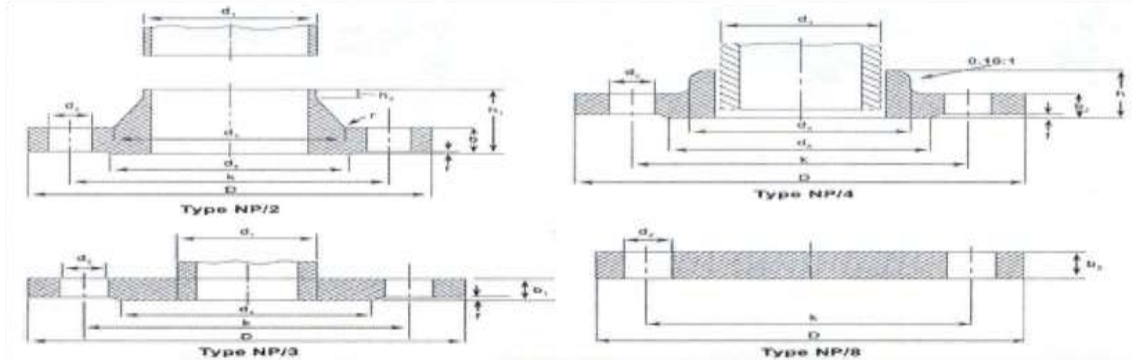
Nominal pressure 1000 kPa											1000/2 1000/3				1000/4 1000/8			
Nom. Size	Pipe OD	Flange							Raised Face		Bolting	Drilling			Neck			Boss
		D ₁	D	b	B ₁	B ₂	B ₃	h	H ₁	D ₄		f	No.	D ₂	k	D ₃	H ₂	
10	17.2	90	8	10	8	10	14	35	40	2	M12	4	14	60	28	6	4	30
15	21.3	95	8	10	8	10	14	35	45	2	M12	4	14	65	32	6	4	35
20	26.9	105	8	10	8	10	16	38	58	2	M12	4	14	75	40	6	4	45
25	33.7	115	8	10	8	10	16	38	68	2	M12	4	14	85	46	6	4	52
32	42.4	140	10	10	10	10	20	40	78	2	M16	4	18	100	56	6	6	60
40	48.3	150	10	10	10	10	20	42	88	3	M16	4	18	110	64	7	6	70
50	60.3	165	12	10	10	12	20	45	102	3	M16	4	18	125	75	8	6	85
65	73.0	185	12	12	12	12	26	45	122	3	M16	4	18	145	90	10	6	105
80	88.9	200	14	12	12	14	26	50	138	3	M16	8	18	160	105	10	8	118
100	114.3	220	14	12	12	14	32	52	158	3	M16	8	18	180	131	12	8	140
125	141.3	250	16	14	14	16	36	55	188	3	M16	8	18	210	156	12	8	168
150	168.3	285	18	16	16	18	38	55	212	3	M20	8	22	240	184	12	10	195
175	193.7	315	18	16	-	18	-	60	242	3	M20	8	22	270	210	12	10	-
200	219.1	340	18	18	-	18	-	62	268	3	M20	8	22	295	235	16	10	-
225	244.5	370	18	18	-	18	-	62	290	3	M20	8	22	325	265	16	10	-
250	273.0	395	20	20	-	20	-	68	320	3	M20	12	22	350	292	16	12	-
300	323.9	445	22	22	-	22	-	68	370	4	M20	12	22	400	344	16	12	-
350	355.6	505	26	25	-	25	-	68	430	4	M20	16	22	460	385	16	12	-
400	406.4	565	26	25	-	25	-	72	482	4	M24	16	26	515	400	16	12	-
450	457.2	615	28	30	-	30	-	72	532	4	M24	20	26	565	492	16	12	-
500	508.0	670	28	32	-	32	-	75	585	4	M24	20	26	620	542	16	12	-
550	559.0	730	28	35	-	35	-	80	635	5	M24	20	26	675	592	18	12	-
600	609.6	780	28	38	-	38	-	80	685	5	M24	20	26	725	642	18	12	-

METFERRE

SUPPLIERS OF STAINLESS & STEEL

BRIAN BROODRYK. CELL: 0768841602. Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLANGES; SABS 1123/SANS 1123(1600kPa)



Nominal pressure 1600 kPa											1000/2 1000/3				1000/4 1000/8			
Nom. Size	Pipe OD	Flange							Raised Face		Bolting	Drilling			Neck			Boss
		D ₁	D	b	B ₁	B ₂	B ₃	h	H ₁	D ₄		f	No.	D ₂	k	D ₃	H ₂	
10	17.2	90	8	10	8	10	14	35	40	2	M12	4	14	60	28	6	4	30
15	21.3	95	8	10	8	10	14	35	45	2	M12	4	14	65	32	6	4	35
20	26.9	105	8	10	8	10	16	38	58	2	M12	4	14	75	40	6	4	45
25	33.7	115	8	10	8	10	16	38	68	2	M12	4	14	85	46	6	4	52
32	42.4	140	10	10	10	10	20	40	78	2	M16	4	18	100	56	6	6	60
40	48.3	150	10	10	10	10	20	42	88	3	M16	4	18	110	64	7	6	70
50	60.3	165	12	12	12	12	22	45	102	3	M16	4	18	125	75	8	6	85
65	73.0	185	12	12	12	12	26	45	122	3	M16	4	18	145	90	10	6	105
80	88.9	200	14	14	14	14	28	50	138	3	M16	8	18	160	105	10	8	118
100	114.3	220	14	14	14	14	34	52	158	3	M16	8	18	180	131	12	8	140
125	141.3	250	16	16	16	16	38	55	188	3	M16	8	18	210	156	12	8	168
150	168.3	285	18	18	18	18	40	55	212	3	M20	8	22	240	184	12	10	195
175	193.7	315	20	20	-	20	-	60	242	3	M20	8	22	270	210	12	10	-
200	219.1	340	22	22	-	22	-	62	268	3	M20	12	22	295	235	16	10	-
225	244.5	370	24	22	-	22	-	66	294	3	M20	12	22	325	265	16	10	-
250	273.0	405	24	25	-	25	-	70	320	3	M24	12	26	355	292	16	12	-
300	323.9	460	28	28	-	28	-	78	378	4	M24	12	26	410	344	16	12	-
350	355.6	520	30	30	-	30	-	82	438	4	M24	16	26	470	390	16	12	-
400	406.4	580	32	35	-	35	-	85	490	4	M24	16	26	525	445	16	12	-
450	457.2	640	34	40	-	40	-	87	550	4	M24	20	26	585	496	16	12	-
500	508.0	715	34	40	-	40	-	90	610	4	M30	20	33	650	548	16	12	-
550	559.0	775	36	-	-	-	-	95	670	5	M30	20	33	710	600	18	12	-
600	609.6	840	36	50	-	-	-	95	725	5	M30	20	33	770	652	18	12	-

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL ANGLE BAR

HOT ROLLED, ANNEALED AND PICKLED

ITEM SIZE (mm)	GRADE	THEORETICAL MASS (kg/m)
25 x 25 x 3	304	1.18
25 x 25 x 3	316	1.18
25 x 25 x 4	316	1.57
25 x 25 x 5	304	1.96
25 x 25 x 5	316	1.96
25 x 25 x 6	304	2.36
25 x 25 x 6	316	2.36
30 x 30 x 3	304	1.42
30 x 30 x 3	316	1.42
30 x 30 x 4	304	1.89
30 x 30 x 4	316	1.89
30 x 30 x 5	304	2.36
30 x 30 x 5	316	2.36
30 x 30 x 6	304	2.83
30 x 30 x 6	316	2.83
40 x 40 x 3	304	1.89
40 x 40 x 3	316	1.89
40 x 40 x 4	304	2.52
40 x 40 x 4	316	2.52
40 x 40 x 5	304	3.14
40 x 40 x 5	316	3.14
40 x 40 x 6	304	3.77
40 x 40 x 6	316	3.77
50 x 50 x 3	304	2.36
50 x 50 x 3	316	2.36
50 x 50 x 4	304	3.14
50 x 50 x 4	316	3.14
50 x 50 x 5	304	3.93
50 x 50 x 5	316	3.93
50 x 50 x 6	304	4.72
50 x 50 x 6	316	4.72
65 x 65 x 6	304	6.13
75 x 75 x 6	304	7.07
75 x 75 x 6	316	7.07

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

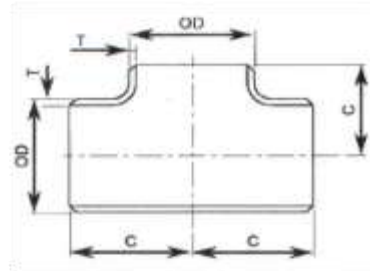
STAINLESS STEEL BUTTWELD FITTINGS

Equal Tees (Welded)

ASTM A 403 WPW 304/304L/316/316L

ASME SA 403 WPW

SCH 10S Wall thickness



NOMINAL PIPE SIZE		OUTSIDE DIAMETER (OD)	WALL THICKNESS (T)	CENTRE TO END (C)	WEIGHT
mm	inches				
15	1/2	21.34	2.11	25.4	0.09
20	3/4	26.67	2.11	28.57	0.11
25	1	33.40	2.77	38.10	0.27
32	1 ¼	42.16	2.77	47.62	0.45
40	1 1/2	48.26	2.77	57.15	0.65
50	2	60.32	2.77	63.50	1.70
65	2 1/2	73.02	3.05	76.20	2.18
80	3	88.90	3.05	85.72	3.30
100	4	114.30	3.05	104.77	4.40
125	5	141.30	3.40	123.82	7.42
150	6	168.27	3.40	142.87	12.35
200	8	219.07	3.76	177.80	20.00
250	10	273.05	4.19	215.90	28.15
300	12	323.85	4.57	254.00	47.45
350	14	355.60	4.78	279.40	69.90
400	16	406.40	4.78	304.80	72.65
450	18	457.20	4.78	342.90	101.70
500	20	508.00	5.54	381.00	169.90
600	24	609.60	6.35	431.80	306.50

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

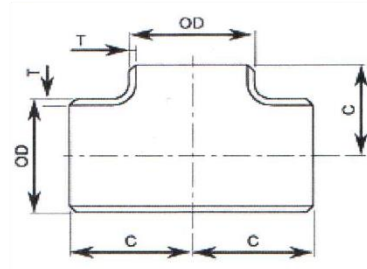
STAINLESS STEEL BUTTWELD FITTINGS

Equal Tees (Welded)

ASTM A 403 WPW 304/304L/316/316L

ASME SA 403 WPW

SCH 40S Wall thickness



NOMINAL PIPE SIZE		OUTSIDE DIAMETER (OD)	WALL THICKNESS (T)	CENTRE TO END (C)	WEIGHT
mm	inches				
15	1/2	21.34	2.77	25.40	0.15
20	3/4	26.67	2.87	28.57	0.20
25	1	33.40	3.38	38.10	0.40
32	1 ¼	42.16	3.56	47.62	0.77
40	1 1/2	48.26	3.68	57.15	1.08
50	2	60.32	3.91	63.50	1.47
65	2 1/2	73.02	5.16	76.20	2.45
80	3	88.90	5.49	85.72	3.80
100	4	114.30	6.02	104.77	5.90
125	5	141.30	6.55	123.82	9.50
150	6	168.27	7.11	142.87	14.90
200	8	219.07	8.18	177.80	27.18
250	10	273.05	9.27	215.90	41.30
300	12	323.85	9.52	254.00	56.60
350	14	355.60	9.52	279.40	81.54
400	16	406.40	9.52	304.80	99.66
450	18	457.20	9.52	342.90	126.80
500	20	508.00	9.52	381.00	168.00
600	24	609.60	9.52	431.80	347.00

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

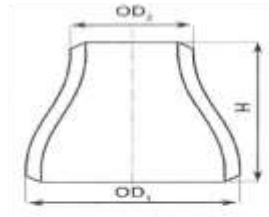
STAINLESS STEEL BUTTWELD FITTINGS

Concentric Reducers (Welded)

ASTM A 403 WPW 304/304L and 316/316L

ASME SA 403 WPW

SCH 10S Wall thickness



Nominal Pipe Size (inches)	Outside Diameter (OD1)	Outside Diameter (OD2)	Length (H)	Weight
¾ x ½	26.67	21.34	38.10	0.04
1 x ½	33.40	21.34	50.80	0.09
1 x ¾	33.40	26.67	50.80	0.10
1 ¼ x ¾	42.16	26.67	50.80	0.11
1 ¼ x 1	42.16	33.40	50.80	0.12
1 ½ x ½	48.26	21.34	63.50	0.14
1 ½ x ¾	48.26	26.67	63.50	0.15
1 ½ x 1	48.26	33.40	63.50	0.17
1 ½ x 1 ¼	48.26	42.16	63.50	0.18
2 x ¾	60.32	26.67	76.20	0.22
2 x 1	60.32	33.40	76.20	0.23
2 x 1 ¼	60.32	42.16	76.20	0.25
2 x 1 ½	60.32	48.26	76.20	0.27
2 ½ x 1 ¼	73.02	42.16	88.90	0.37
2 ½ x 1 ½	73.02	48.26	88.90	0.39
2 ½ x 2	73.02	60.32	88.90	0.43
3 x 1 ½	88.90	48.26	88.90	0.45
3 x 2	88.90	60.32	88.90	0.48
3 x 2 ½	88.90	73.02	88.90	0.52
4 x 2	114.30	60.32	101.60	0.67
4 x 2 ½	114.30	73.02	101.60	0.71
4 x 3	114.30	88.90	101.60	0.76
5 x 4	141.30	114.30	127.00	1.33
6 x 3	168.27	88.90	139.70	1.53
6 x 4	168.27	114.30	139.70	1.65
6 x 5	168.27	141.30	139.70	1.78
8 x 4	219.07	114.30	152.40	2.43
8 x 5	219.07	141.30	152.30	2.57

8 x 6	219.07	168.27	152.40	2.72
10 x 6	273.05	168.27	177.80	4.14
10 x 8	273.05	219.07	177.80	4.49
12 x 8	323.85	219.07	203.50	6.31
12 x 10	323.85	273.05	203.20	6.78
14 x 12	355.60	273.05	330.20	12.10
16 x 10	406.40	273.05	355.60	14.40
16 x 12	406.40	323.85	355.60	15.20
16 x 14	406.40	355.60	355.60	15.80
18 x 10	457.20	273.05	381.00	16.80
18 x 12	457.20	323.85	381.00	17.60
18 x 14	457.20	355.60	381.00	18.20
18 x 16	457.20	406.40	381.00	19.20
20 x 10	508.00	273.05	508.00	26.70
20 x 12	508.00	323.85	508.00	28.30
20 x 14	508.00	355.60	508.00	29.90
20 x 16	508.00	406.40	508.00	31.70
20 x 18	508.00	457.20	508.00	33.10
22 x 14	558.80	355.60	508.00	31.80
22 x 16	558.80	406.40	508.00	33.40
22 x 18	558.80	457.20	508.00	35.10
22 x 20	558.80	508.00	508.00	36.60
24 x 16	609.60	406.40	508.00	40.60
24 x 18	609.60	457.20	508.00	42.40
24 x 20	609.60	508.00	508.00	44.10
24 x 22	609.60	558.80	508.00	46.00

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

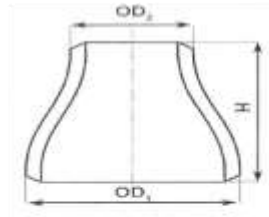
STAINLESS STEEL BUTTWELD FITTINGS

Concentric Reducers (Welded)

ASTM A 403 WPW 304/304L and 316/316L

ASME SA 403 WPW

SCH 40S Wall thickness



Nominal Pipe Size (inches)	Outside Diameter (OD1)	Outside Diameter (OD2)	Length (H)	Weight
¾ x ½	26.67	21.34	38.10	0.04
1 x ½	33.40	21.34	50.80	0.09
1 x ¾	33.40	26.67	50.80	0.10
1 ¼ x ¾	42.16	26.67	50.80	0.11
1 ¼ x 1	42.16	33.40	50.80	0.12
1 ½ x ½	48.26	21.34	63.50	0.14
1 ½ x ¾	48.26	26.67	63.50	0.15
1 ½ x 1	48.26	33.40	63.50	0.17
1 ½ x 1 ¼	48.26	42.16	63.50	0.18
2 x ¾	60.32	26.67	76.20	0.22
2 x 1	60.32	33.40	76.20	0.23
2 x 1 ¼	60.32	42.16	76.20	0.25
2 x 1 ½	60.32	48.26	76.20	0.27
2 ½ x 1 ¼	73.02	42.16	88.90	0.37
2 ½ x 1 ½	73.02	48.26	88.90	0.39
2 ½ x 2	73.02	60.32	88.90	0.43
3 x 1	88.90	33.40	88.80	0.82
3 x 1 ½	88.90	48.26	88.90	0.45
3 x 2	88.90	60.32	88.90	0.48
3 x 2 ½	88.90	73.02	88.90	0.52
4 x 2	114.30	60.32	101.60	0.67
4 x 2 ½	114.30	73.02	101.60	0.71
4 x 3	114.30	88.90	101.60	0.76
5 x 4	141.30	114.30	127.00	1.33
6 x 3	168.27	88.90	139.70	1.53
6 x 4	168.27	114.30	139.70	1.65
6 x 5	168.27	141.30	139.70	1.78
8 x 4	219.07	114.30	152.40	5.62

8 x 5	219.07	141.30	152.40	5.84
8 x 6	219.07	168.27	152.40	6.34
10 x 6	273.05	168.27	177.80	10.42
10 x 8	273.05	219.07	177.80	10.69
12 x 8	323.85	219.07	203.50	14.95
12 x 10	323.85	273.05	203.20	15.40
14 x 12	355.60	273.05	330.20	26.59
16 x 10	406.40	273.05	355.60	26.82
16 x 12	406.40	323.85	355.60	32.84
16 x 14	406.40	355.60	355.60	33.43
18 x 10	457.20	273.05	381.00	33.98
18 x 12	457.20	323.85	381.00	38.50
18 x 14	457.20	355.60	381.00	39.41
18 x 16	457.20	406.40	381.00	39.86
20 x 10	508.00	273.05	508.00	57.00
20 x 12	508.00	323.85	508.00	57.08
20 x 14	508.00	355.60	508.00	57.98
20 x 16	508.00	406.40	508.00	58.44
20 x 18	508.00	457.20	508.00	58.89
22 x 14	558.80	355.60	508.00	57.99
22 x 16	558.80	406.40	508.00	61.15
22 x 18	558.80	457.20	508.00	62.97
22 x 20	558.80	508.00	508.00	64.33
24 x 16	609.60	406.40	508.00	72.00
24 x 18	609.60	457.20	508.00	72.00
24 x 20	609.60	508.00	508.00	72.00
24 x 22	609.60	558.80	508.00	72.00

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLAT BAR

ITEM SIZE (mm)	GRADE	THEORETICAL MASS (kg/m)
25 X 3	304	0.59
25 X 3	316	0.59
25 X 5	304	0.99
25 X 5	316	0.99
25 X 6	304	1.18
25 X 6	316	1.18
30 X 3	304	0.71
30 X 3	316	0.71
30 X 5	304	1.19
30 X 5	316	1.19
30 X 6	304	1.41
30 X 6	316	1.41
40 X 3	304	0.94
40 X 3	316	0.94
40 X 4	304	1.26
40 X 4	316	1.26
40 X 5	304	1.57
40 X 5	316	1.57
40 X 6	304	1.89
40 X 6	316	1.89
50 X 3	304	1.18
50 X 3	316	1.18
50 X 5	304	1.97
50 X 5	316	1.97
50 X 6	304	2.36
50 X 6	316	2.36
50 X 8	304	3.14
50 X 8	316	3.14
50 X 10	304	3.93
50 X 10	316	3.93
60 X 6	304	2.85
60 X 6	316	2.85
75 X 6	304	3.54
75 X 6	316	3.54

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL ROUND BAR

ITEM SIZE (mm)	GRADE	THEORETICAL MASS (kg/m)
25.00	304	3.85
25.00	316	3.85
30.00	316	5.54
30.00	304	5.54
32.00	304	6.31
32.00	316	6.31
35.00	304	7.55
35.00	316	7.55
36.00	316	7.98
38.00	304	8.90
40.00	304	9.86
40.00	316	9.86
45.00	304	12.47
45.00	316	12.47
50.00	304	15.40
50.00	316	15.40
55.00	304	18.63
55.00	316	18.63
60.00	304	22.18
60.00	316	22.18
65.00	304	26.03
65.00	316	26.03
70.00	304	30.18
70.00	316	30.18
75.00	304	34.65
75.00	316	34.65
80.00	304	39.42
80.00	316	39.42
85.00	304	44.51
85.00	316	44.51
90.00	304	49.90
90.00	316	49.90
100.00	304	61.60
100.00	316	61.60
105.00	316	67.91

110.00	304	74.54
110.00	316	74.54
115.00	304	81.47
115.00	316	81.47
120.00	304	88.70
120.00	316	88.70
125.00	304	96.25
125.00	316	96.25
130.00	304	104.10
130.00	316	104.10
140.00	304	120.74
140.00	316	120.74
150.00	304	138.60
150.00	316	138.60
160.00	316	157.80
165.00	316	167.71
180.00	304	204.44
180.00	316	204.44
185.00	304	215.96
185.00	316	215.96
200.00	304	252.40
200.00	316	252.40
220.00	304	305.40
220.00	316	305.40
250.00	304	394.37
250.00	316	394.37

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL FLAT BAR

DIN 2463 D3T3/ASTM A554

POLISHED 180 GRIT (1.5mm wall)

Outside Diameter (OD) mm	GRADE	Kg/m	Inside Diameter (ID) mm
12.7	304	0.4169	9.7
12.7	316	0.4169	9.7
15.9	304	0.5361	12.9
15.9	316	0.5361	12.9
19.05	304	0.6533	16.05
19.05	316	0.6533	16.05
22.22	304	0.7713	19.22
22.22	316	0.7713	19.22
25.4	304	0.8897	22.4
25.4	316	0.8897	22.4
31.75	304	1.1261	28.75
31.75	316	1.1261	28.75
34.9	304	1.2555	31.93
34.9	316	1.2555	31.93
38.1	304	1.3625	35.1
38.1	316	1.3625	35.1
44.45	304	1.5989	41.45
44.45	316	1.5989	41.45
50.8	304	1.8353	47.8
50.8	316	1.8353	47.8
60.3	304	2.1889	57.3
60.3	316	2.1889	57.3
63.5	304	2.3081	60.5
63.5	316	2.3081	60.5
76.2	304	2.7808	73.2
76.2	316	2.7808	73.2
88.9	304	3.22	85.9
88.9	316	3.22	85.9
89.1	304	3.23	86.1
89.1	316	3.23	86.1
101.6	304	4.016	98.6
101.6	316	4.016	98.6

Unit 2, 1 Hamburg Road, Apex, Benoni, 1501. Tel: 010 109 8189

STAINLESS STEEL SHEET/PLATE

SHEET SIZE (mm)	GRADE AND FINISH
2500 X 1250 X 0.9	304
2500 X 1250 X 0.9	316
2500 X 1250 X 1.2	304
2500 X 1250 X 1.2	316
2500 X 1250 X 1.5	304
2500 X 1250 X 1.5	316
2500 X 1250 X 2.0	304
2500 X 1250 X 2.0	316
3000 X 1500 X 2.0	304
3000 X 1500 X 2.0	316
2500 X 1250 X 3.0	304
2500 X 1250 X 3.0	316
3000 X 1500 X 3.0	304
3000 X 1500 X 3.0	316
2500 X 1250 X 4.5	304L
2500 X 1250 X 4.5	316L
3000 X 1500 X 4.5	304L
3000 X 1500 X 4.5	316L
2500 X 1250 X 6	304L
2500 X 1250 X 6	316L
3000 X 1500 X 6	304L
3000 X 1500 X 6	316L
3000 X 1500 X 8	304L
3000 X 1500 X 8	316L
3000 X 1500 X 10	304L
3000 X 1500 X 10	316L
3000 X 1500 X 12	304L
3000 X 1500 X 12	316L
3000 X 1500 X 16	304L
3000 X 1500 X 16	316L
3000 X 1500 X 20	304L
3000 X 1500 X 20	316L
3000 X 1500 X 25	304L
3000 X 1500 X 25	316L
3000 X 1500 X 30	304L
3000 X 1500 X 30	316L

