




SS BUTT WELD FITTINGS A182 10S 40S 80S 160S (1)

SS BW																				SS BW		
	90 LR ELBOW		45 LR ELBOW		90SR ELBOW				TEE				CAP		STUD END							
10S	304		316			304		316		304		316		304		316		304	316	304	316	10S
	ERW	europa SML	ERW	europa SML	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	SML	SML	ERW	ERW	
1/2"	3.00	3.50	3.80	0.00	9.60	2.40			2.70	0.00	0.00	4.20	0.00	5.40	7.60	6.80	25.20	2.20	5.00	2.50	0.00	1/2"
3/4"	3.80	5.50	4.50	0.00	10.60	3.90			4.50	0.00	0.00	4.80	0.00	4.70	8.00	7.80	26.40	5.00	6.40	3.00	0.00	3/4"
1"	3.50	5.90	6.80	0.00	13.00	4.50			5.00	5.10	6.40	9.00	26.00	9.20	12.30	9.90	34.00	9.30	11.60	5.80	13.50	1"
1-1/4"	4.60	6.90	7.20	0.00	17.60	6.40			7.20	5.50	7.30	10.50	32.00	11.10	20.40	12.00	42.40	6.70	12.00	8.20	15.00	1-1/4"
1-1/2"	5.80	10.30	9.00	0.00	24.00	7.60			7.50	6.70	9.70	12.00	40.00	14.50	26.50	18.00	53.40	4.40	14.00	10.40	16.50	1-1/2"
2"	8.40	15.00	14.30	0.00	40.00	14.00			13.20	10.10	14.40	15.00	56.00	34.30	30.70	36.00	80.00	5.70	15.20	12.60	19.50	2"
2-1/2"	16.20	20.90	22.50	0.00	64.00	18.60			18.00	16.40	0.00	24.00	76.00	28.70	41.70	39.00	110.00	7.20	16.40	18.90	24.00	2-1/2"
3"	25.50	33.70	30.80	33.00	80.60	25.00			25.50	23.40	32.60	41.40	112.00	39.00	49.60	48.00	140.00	13.20	21.20	24.90	33.00	3"
3-1/2"	25.80	0.00	54.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	43.10	0.00	0.00	0.00	14.70	0.00	34.10	0.00	3-1/2"
4"	43.00	62.20	57.00	56.00	116.00	40.60			37.50	37.40	55.80	67.50	160.00	54.40	88.10	72.00	196.00	24.50	33.60	61.40	42.00	4"
5"	67.70	102.10	64.50	0.00	236.00	49.90			72.00	53.80	97.20	72.00	290.00	92.40	146.30	106.50	280.00	25.30	42.00	36.30	72.00	5"
6"	109.10	134.20	123.00	104.00	320.00	70.00			82.50	81.80	140.90	97.50	444.00	120.30	204.20	209.40	460.00	45.10	64.00	60.20	87.00	6"
8"	208.60	0.00	285.00	210.00	0.00	113.20			159.00	197.50	0.00	222.00	0.00	188.70	0.00	297.00	596.00	82.50	110.00	222.80	132.00	8"
10"	351.60	0.00	540.00	456.00	0.00	260.70			277.50	284.30	0.00	420.00	0.00	329.20	0.00	429.00	976.00	148.00	190.00	289.60	213.00	10"
12"	583.60	0.00	922.50	776.00	0.00	357.40			411.80	477.30	0.00	627.00	0.00	494.00	0.00	672.00	1300.00	262.50	380.00	0.00	297.00	12"
14"	742.70	0.00	852.00	976.00	0.00	0.00			0.00	649.90	0.00	810.00	0.00	949.00	0.00	0.00	0.00	277.30	536.00	0.00	0.00	14"
40S	304		316			304		316		304		316		304		316		304	316	304	316	40S
	ERW	SML	ERW	SML	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	SML	SML	ERW	ERW	
3/8"	5.50					6.80	2.60	0.00	0.00	2.50	0.00	5.10	0.00	4.40	10.30	8.50	16.20	9.50	4.00	8.90	0.00	3/8"
1/2"	2.80	4.80	4.80			7.60	2.90	0.00	0.00	4.40	0.00	6.20	0.00	5.70	11.70	10.20	17.60	9.50	5.90	9.60	0.00	1/2"
3/4"	3.40	6.30	5.70			14.60	4.40	5.90	6.00	4.60	10.00	9.40	17.10	8.20	12.80	12.30	21.60	5.10	8.80	10.50	17.00	1"
1"	4.60	6.90	8.20			20.30	6.20	8.30	8.50	5.80	14.00	10.20	25.20	11.70	16.10	15.30	27.00	3.50	9.20	12.90	23.00	1-1/4"
1-1/4"	6.00	10.10	9.40			24.30	7.70	10.80	10.20	9.10	17.00	13.30	34.10	18.30	22.00	25.50	40.50	6.30	9.80	17.70	26.40	1-1/2"
1-1/2"	8.60	12.70	11.90			32.40	11.20	16.10	15.30	12.50	28.00	23.80	42.60	34.30	38.40	36.30	64.80	8.00	10.80	26.00	32.00	2"
2"	13.50	16.50	21.80			52.70	24.20	28.20	24.20	30.20	49.00	37.40	64.80	41.80	63.80	54.40	86.00	11.90	13.50	38.10	52.70	2-1/2"
2-1/2"	26.30	37.10	34.00			97.20	28.70	45.60	35.70	40.50	71.60	47.80	105.30	59.10	90.00	83.30	118.00	18.20	32.40	53.20	73.80	3"
3"	38.20	46.30	53.10			0.00	0.00	0.00	0.00	118.40	0.00	0.00	0.00	73.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3-1/2"
3-1/2"	0.00	0.00	0.00			149.90	54.20	89.60	116.50	64.70	92.00	107.10	195.80	106.00	149.60	119.00	190.00	29.90	35.10	76.30	115.60	4"
4"	65.20	91.90	132.60			298.40	90.40	152.50	119.00	72.00	188.00	136.00	486.00	170.40	231.10	195.50	290.00	47.30	45.90	102.40	0.00	5"
5"	124.10	190.60	163.20			480.10	139.40	226.70	166.60	168.30	268.00	234.60	504.90	273.00	384.30	302.60	675.00	74.10	68.90	155.90	0.00	6"
6"	134.70	283.40	319.60			0.00	900.00	0.00	374.00	363.50	0.00	404.60	0.00	1052.20	663.10	1118.60	0.00	158.40	162.00	0.00	0.00	8"
8"	330.60	0.00	727.60			0.00	575.20	0.00	676.60	632.30	0.00	0.00	0.00	1380.10	0.00	0.00	267.50	324.00	0.00	0.00	0.00	10"
10"	619.80	0.00	1509.60			0.00	2,411.30	0.00	0.00	0.00	0.00	0.00	0.00	3709.60	0.00	0.00	254.50	0.00	0.00	0.00	0.00	12"
12"	3444.70	0.00	0.00																			
80/160S	304	316	304	316	304	316	304	316	304	316	304	316	304	316	304	316	304	316	304	316	80/160S	
	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S	80S	160S		
1/2"	14.90	20.30			0.00	0.00			0.00	24.30			0.00	29.00	35.10			0.00	0.00	0.00	1/2"	
3/4"	15.20	27.00			0.00	0.00			0.00	32.40			0.00	33.80	40.50			0.00	0.00	0.00	3/4"	
1"	25.40	47.30			56.70	25.40			25.40	60.80			60.80	50.00	64.80			70.90	11.90	21.60	1"	
1-1/4"	33.40	54.00			85.10	33.40			33.40	70.20			91.80	64.70	87.80			104.70	14.80	27.70	1-1/4"	
1-1/2"	52.00	60.80			114.80	37.00			37.00	83.70			118.80	71.40	108.00			143.80	18.40	31.10	1-1/2"	
2"	66.60	67.50			124.20	66.60			68.00	162.00			141.80	118.80	158.00			199.80	22.10	43.90	2"	
2-1/2"	128.40	129.00			195.80	128.40			128.40	172.80			222.80	176.70	234.90			278.10	29.70	60.80	2-1/2"	
3"	150.60	222.80			266.00	150.60			151.10	253.80			280.80	230.60	322.70			326.70	42.90	101.30	3"	
4"	386.70	270.00			455.00	291.20			291.20	310.50			513.00	239.20	388.80			614.30	79.20	162.00	4"	

SS BUTT WELD FITTINGS A182 10S 40S 80S 160S (2)

SCH 10S		 CON 10S				 TRE 10S				 ECC 10S				SCH 10S	
		304		316		304		316		304		316			
		ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML	ERW	SML		
3/4"	1/2"	3.10	9.60	5.40	18.40	7.90	8.10	11.60	18.00	2.60		9.00	0.00	3/4"	1/2"
1"	1/2"	4.70	7.00	6.80	14.40	10.80	15.00	15.60	31.20	5.90		13.20	20.00	1"	1/2"
	3/4"	4.50	5.40	6.80	15.60	7.00	14.80	0.00	28.80	5.50		12.00	18.00		3/4"
1 1/4"	1/2"	5.50	9.80	8.70	19.20	11.00	24.20	0.00	40.00	4.70		14.70	0.00	1 1/4"	1/2"
	3/4"	4.00	7.20	8.30	18.00	13.80	23.40	0.00	45.20	4.00		13.20	19.00		3/4"
	1"	4.50	6.40	7.50	15.60	14.80	22.50	0.00	32.00	4.00		12.00	18.00		1"
1 1/2"	1/2"	7.80	11.00	13.50	31.60	24.30	32.80	24.00	56.00	8.30		23.70	0.00	1 1/2"	1/2"
	3/4"	6.30	9.50	13.10	27.40	18.70	31.70	20.30	61.00	6.50		18.00	28.00		3/4"
	1"	6.60	7.60	10.20	22.40	24.30	30.20	18.00	58.80	8.30		13.40	24.00		1"
	1 1/4"	6.70	8.90	9.00	21.60	24.30	29.60	0.00	57.00	7.50		12.00	20.00		1 1/4"
2"	1/2"	10.80	0.00	12.00	0.00	21.00	0.00	27.00	0.00	14.00		28.70	0.00	2"	1/2"
	3/4"	10.10	14.00	10.50	28.80	19.90	43.00	25.50	86.00	10.70		24.80	0.00		3/4"
	1"	9.70	12.70	9.80	27.60	21.80	41.50	24.80	80.00	10.80		22.20	34.00		1"
	1 1/4"	6.50	11.40	9.30	26.40	22.30	40.00	24.50	76.00	6.70		20.70	30.00		1 1/4"
	1 1/2"	7.60	10.60	7.80	21.60	26.20	39.20	24.00	72.00	9.90		18.80	28.00		1 1/2"
2 1/2"	1/2"					29.70									
	3/4"	15.80	0.00	16.50	0.00	29.00	0.00	0.00	0.00	0.00		0.00	0.00	2 1/2"	3/4"
	1"	12.40	19.70	16.20	43.20	29.90	56.20	37.50	116.00	10.50		34.50	0.00		1"
	1 1/4"	10.70	19.50	14.40	38.40	22.40	54.80	33.00	106.00	10.30		33.20	0.00		1 1/4"
	1 1/2"	11.90	18.40	13.50	36.00	31.30	54.30	30.80	100.00	16.90		32.30	44.00		1 1/2"
3"	2"	11.70	17.00	12.80	33.60	31.30	52.90	30.30	96.00	16.90		30.00	42.00		2"
	1"	18.50	25.20	27.00	60.60	62.10	58.80	0.00	164.00	12.80		47.30	86.00		3"
	1 1/4"	19.80	24.90	22.50	52.80	68.40	57.80	0.00	156.00	14.10		45.00	70.00		1 1/4"
	1 1/2"	13.70	20.10	15.80	44.40	79.10	56.80	52.50	150.00	13.90		41.40	66.00		1 1/2"
	2"	14.00	19.50	15.50	40.80	48.60	56.20	51.00	126.00	19.30		38.90	60.00		2"
	2 1/2"	17.20	19.50	15.00	38.40	29.10	55.60	48.00	116.00	19.30		36.80	56.00		2 1/2"
4"	1"	26.80	28.60	37.50	76.80	78.10	89.20	93.00	256.00	23.20		81.90	256.00		4"
	1 1/4"	25.50	27.60	36.00	72.00	78.10	87.80	87.00	196.00	21.90		71.40	176.00		1 1/4"
	1 1/2"	24.80	26.70	33.00	69.60	78.10	86.20	84.00	190.00	21.60		63.50	130.00		1 1/2"
	2"	25.50	31.40	30.00	67.20	78.10	0.00	82.50	186.00	26.00		59.00	116.00		2"
	2 1/2"	20.50	31.40	27.00	62.40	78.10	85.30	79.50	176.00	29.60		57.50	106.00		2 1/2"
	3"	18.40	29.30	24.80	57.60	78.10	84.80	78.00	170.00	32.70		39.00	96.00		3"
5"	1 1/2"	0.00	0.00	54.60	0.00	0.00		0.00	0.00	0.00		0.00	0.00		5"
	2"	48.60	44.30	48.00	0.00	136.90		132.00		34.40		72.00			2"
	2 1/2"	48.30	55.80	40.50	120.00	136.90		120.00		32.30		67.50			2 1/2"
	3"	28.60	52.40	42.00	105.60	136.90		114.00		40.70		64.50			3"
	4"	22.40	51.10	39.00	100.80	136.90		111.00		42.90		63.00			4"
6"	2"	61.60	58.80	60.00	132.00	174.10		225.00		44.40		0.00			6"
	2 1/2"	79.80	56.90	58.50	120.00	174.10		180.00		44.40		0.00			2 1/2"
	3"	68.80	57.90	45.00	112.80	174.10		172.50		44.90		102.00			3"
	4"	36.40	54.50	42.00	106.80	174.10		162.00		67.20		97.50			4"
	5"	51.70	53.80	39.00	103.20	174.10		157.50		55.20		93.00			5"
8"	3"					189.80									
	4"	73.10		87.00		282.70		0.00		80.70		207.00			8"
	5"	60.30		85.50		282.70		0.00		77.80		0.00			5"
	6"	103.20		82.50		282.70		0.00		104.60		180.00			6"
10"	3"					330.40									
	4"	152.30		0.00		380.50		0.00		0.00		0.00			10"
	5"	165.80		154.50		480.80		0.00		0.00		0.00			5"
	6"	90.90		149.30		480.80		478.50		171.70		285.00			6"
	8"	129.40		142.80		480.80		531.00		171.70		270.00			8"
12"	6"	232.60		252.00		605.90				265.00		0.00			12"
	8"	154.20		247.50		605.90				263.90		352.50			8"
	10"	116.90		225.00		605.90				260.90		330.00			10"

