



CLASS 150 \ddagger

POINT OF WELD	SIZE	O.D.	THK (Min.) WN	THK (Min.) BLD	DIA. OF HUB	FACE DIA.	OAL W/ FACE	DRILLING			FILLET (RTJ FACE)		
								B.C. DIA.	QTY. & SIZE	r1	HEIGHT (E)	DIA. [min.] (K)	
													C	X	R	Y
								O	C	C	X	R	Y
26.00	26	870.0	68.3	68.3	676.1	749.3	120.7	806.5	24	35.1	9.7	...	...
28.00	28	927.1	71.4	71.4	726.9	800.1	125.5	863.6	28	35.1	11.2	...	...
30.00	30	984.3	74.7	74.7	781.1	857.3	136.7	914.4	28	35.1	11.2	...	...
32.00	32	1060.5	81.0	81.0	831.9	914.4	144.5	977.9	28	41.1	11.2	...	...
34.00	34	1111.3	82.6	82.6	882.7	965.2	149.4	1028.7	32	41.1	12.7	...	...
36.00	36	1168.4	90.4	90.4	933.5	1022.4	157.2	1085.9	32	41.1	12.7	...	...
38.00	38	1238.3	87.4	87.4	990.6	1073.2	157.2	1149.4	32	41.1	12.7	...	...
40.00	40	1289.1	90.4	90.4	1041.4	1124.0	163.6	1200.2	36	41.1	12.7	...	...
42.00	42	1346.2	96.8	96.8	1092.2	1193.8	171.5	1257.3	36	41.1	12.7	...	...
44.00	44	1403.4	101.6	101.6	1143.0	1244.6	177.8	1314.5	40	41.1	12.7	...	...
46.00	46	1454.2	103.1	103.1	1196.8	1295.4	185.7	1365.3	40	41.1	12.7	...	...
48.00	48	1511.3	108.0	108.0	1247.6	1358.9	192.0	1422.4	44	41.1	12.7	...	...
50.00	50	1568.5	111.3	111.3	1301.8	1409.7	203.2	1479.6	44	47.8	12.7	...	...
52.00	52	1625.6	115.8	115.8	1352.6	1460.5	209.6	1536.7	44	47.8	12.7	...	...
54.00	54	1682.8	120.7	120.7	1403.4	1511.3	215.9	1593.9	44	47.8	12.7	...	...
56.00	56	1746.3	124.0	124.0	1457.5	1574.8	228.6	1651.0	48	47.8	12.7	...	...
58.00	58	1803.4	128.5	128.5	1508.3	1625.6	235.0	1708.2	48	47.8	12.7	...	...
60.00	60	1854.2	131.8	131.8	1559.1	1676.4	239.8	1759.0	52	47.8	12.7	...	...

CLASS 300 \ddagger

POINT OF WELD	SIZE	O.D.	THK (Min.) WN	THK (Min.) BLD	DIA. OF HUB	FACE DIA.	OAL W/ FACE	DRILLING			FILLET (RTJ FACE)		
								B.C. DIA.	QTY. & SIZE	r1	HEIGHT (E)	DIA. [min.] (K)	
													C	X	R	Y
								O	C	C	X	R	Y
26	26	971.6	79.2	84.1	720.9	749.4	184.2	876.3	28	44.5	9.7	12.7	809.8
28	28	1035.1	85.9	90.4	774.7	800.1	196.9	939.8	28	44.5	11.2	12.7	860.6
30	30	1092.2	91.9	95.3	827.0	857.3	209.6	997.0	28	47.8	11.2	12.7	917.4
32	32	1149.4	98.6	100.1	881.1	914.4	222.3	1054.1	28	50.8	11.2	14.3	984.3
34	34	1206.5	101.6	104.6	936.8	965.2	231.6	1104.9	28	50.8	12.7	14.3	1035.1
36	36	1270.0	104.6	111.3	990.6	1022.4	241.3	1168.4	32	53.8	12.7	14.3	1092.2
38	38	1168.4	108.0	108.0	993.6	1028.7	180.8	1092.2	32	41.1	12.7	...	...
40	40	1238.3	114.3	114.3	1047.8	1085.9	193.5	1155.7	32	44.5	12.7	...	...
42	42	1289.1	119.1	119.1	1098.6	1136.7	200.2	1206.5	32	44.5	12.7	...	...
44	44	1352.6	124.0	124.0	1149.4	1193.8	206.2	1263.7	32	47.8	12.7	...	...
46	46	1416.1	128.5	128.5	1203.5	1244.6	215.9	1320.8	28	50.8	12.7	...	...
48	48	1466.9	133.4	133.4	1254.3	1301.8	223.8	1371.6	32	50.8	12.7	...	...
50	50	1530.4	139.7	139.7	1305.1	1358.9	231.6	1428.8	32	53.8	12.7	...	...
52	52	1581.2	144.5	144.5	1355.9	1409.7	238.3	1479.6	32	53.8	12.7	...	...
54	54	1657.4	152.4	152.4	1409.7	1466.9	252.5	1549.4	28	60.5	12.7	...	...
56	56	1708.2	153.9	153.9	1463.5	1517.7	260.4	1600.2	28	60.5	12.7	...	...
58	58	1759.0	158.8	158.8	1514.3	1574.8	266.7	1651.0	32	60.5	12.7	...	...
60	60	1809.8	163.6	163.6	1565.1	1625.6	273.1	1701.8	32	60.5	12.7	...	...

CLASS 400 \blacktriangle

POINT OF WELD	SIZE	O.D.	THK (Min.) WN	THK (Min.) BLD	DIA. OF HUB	FACE DIA.	OAL W/ FACE	DRILLING			FILLET (RTJ FACE)		
								B.C. DIA.	QTY. & SIZE	r1	HEIGHT (E)	DIA. [min.] (K)	
													C	X	R	Y
								O	C	C	X	R	Y
26	26	971.6	88.9	98.6	726.9	749.3	193.5	876.3	28	47.8	11.2	12.7	809.8
28	28	1035.1	95.3	104.6	782.6	800.1	206.2	939.8	28	50.8	12.7	12.7	860.6
30	30	1092.2	101.6	111.3	836.7	857.3	218.9	997.0	28	53.8	12.7	12.7	917.4
32	32	1149.4	108.0	115.8	889.0	914.4	231.6	1054.1	28	53.8	12.7	14.3	984.3
34	34	1206.5	111.3	122.2	944.6	965.2	241.3	1104.9	28	53.8	14.2	14.3	1035.1
36	36	1270.0	114.3	128.5	1000.3	1022.4	251.0	1168.4	32	53.8	14.2	14.3	1092.2
38	38	1206.5	124.0	124.0	1003.3	1035.1	206.2	1117.6	32	47.8	14.2	...	...
40	40	1270.0	130.0	130.0	1054.1	1092.2	215.9	1174.8	32	50.8	14.2	...	...
42	42	1320.8	133.4	133.4	1107.9	1143.0	223.8	1225.6	32	50.8	14.2	...	...
44	44	1384.3	139.7	139.7	1158.7	1200.2	233.2	1282.7	32	53.8	14.2	...	...
46	46	1441.5	146.1	146.1	1212.9	1257.3	244.3	1339.9	36	53.8	14.2	...	...
48	48	1511.3	152.4	152.4	1267.0	1308.1	257.0	1403.4	28	60.5	14.2	...	...
50	50	1568.5	157.2	158.8	1320.8	1361.9	268.2	1460.5	32	60.5	14.2	...	...
52	52	1619.3	162.1	163.6	1371.6	1412.7	276.4	1511.3	32	60.5	14.2	...	...
54	54	1701.8	169.9	171.5	1425.4	1470.2	289.1	1581.2	28	66.5	14.2	...	...
56	56	1752.6	174.8	176.3	1479.6	1527.0	298.5	1632.0	32	66.5	14.2	...	...
58	58	1803.4	177.8	180.8	1530.4	1577.8	306.3	1682.8	32	66.5	14.2	...	...
60	60	1886.0	185.7	189.0	1584.5	1635.3	319.0	1752.6	32	73.2	14.2	...	...

CLASS 600 \blacktriangle

POINT OF WELD	SIZE	O.D.	THK (Min.) WN	THK (Min.) BLD	DIA. OF HUB	FACE DIA.	OAL W/ FACE	DRILLING			FILLET (RTJ FACE)		
								B.C. DIA.	QTY. & SIZE	r1	HEIGHT (E)	DIA. [min.] (K)	
													C	X	R	Y
								O	C	C	X	R	Y
26.00	26	1016.0	108.0	125.5	747.8	749.3	222.3	914.4	28	50.8	12.7	12.7	809.8
28.00	28	1073.2	111.3	131.8	803.1	800.1	235.0	965.2	28	53.8	12.7	12.7	860.6
30.00	30	1130.3	114.3	139.7	862.1	857.3	247.7	1022.4	28	53.8	12.7	12.7	917.4
32.00	32	1193.8	117.3	147.6	917.4	914.4	260.4	1079.5	28	60.5	12.7	14.3	984.3
34.00	34	1244.6	120.7	153.9	973.1	965.2	269.7	1130.3	28	60.5	14.2	14.3	1035.1
36.00	36	1314.5	124.0	162.1	1031.7	1022.4	282.4	1193.8	28	66.5	14.2	14.3	1092.2
38.00	38	1270.0	152.4	155.4	1022.4	1054.1	254.0	1162.1	28	60.5	14.2	...	...
40.00	40	1320.8	158.8	162.1	1073.2	1111.3	263.7	1212.9	32	60.5	14.2	...	...
42.00	42	1403.4	168.1	171.5	1127.3	1168.4	279.4	1282.7	28	66.5	14.2	...	...
44.00	44	1454.2	173.0	177.8	1181.1	1225.6	289.1	1333.5	32	66.5	14.2	...	...
46.00	46	1511.3	179.3	185.7	1234.9	1276.4	300.0	1390.7	32	66.5	14.2	...	...
48.00	48	1593.9	189.0	195.3	1289.1	1333.5	316.0	1460.5	32	73.2	14.2	...	...
50.00	50	1670.1	196.9	203.2	1343.2	1384.3	328.7	1524.0	28	79.2	14.2	...	...
52.00	52	1720.9	203.2	209.6	1394.0	1435.1	336.6	1574.8	32	79.2	14.2	...	...
54.00	54	1778.0	209.6	217.4	1447.8	1492.3	349.3	1632.0	32	79.2	14.2	...	...
56.00	56	1854.2	217.4	225.6	1501.6	1543.1	362.0	1695.5	32	85.9	15.7	...	...
58.00	58	1905.0	222.3	231.6	1552.4	1600.2	369.8	1746.3	32	85.9	15.7	...	...
60.00	60	1993.9	233.4	242.8	1609.9	1657.4	388.9	1822.5	28	91.9	17.5	...	...

CLASS 900 \blacktriangle

POINT OF WELD	SIZE	O.D.	THK (Min.) WN	THK (Min.) BLD	DIA. OF HUB	FACE DIA.	OAL W/ FACE	DRILLING			FILLET (RTJ FACE)		
								B.C. DIA.	QTY. & SIZE	r1	HEIGHT (E)	DIA. [min.] (K)	
													C	X	R	Y
								O	C	C	X	R	Y
26	26	1085.9	139.7	160.3	774.7	749.3	285.8	952.5	20	73.2	11.2	17.5	831.9
28	28	1168.4	142.7	171.5	831.9	800.1	298.5	1022.4	20	79.2	12.7	17.5	889.0
30	30	1231.9	149.4	182.4	889.0	857.3	311.2	1085.9	20	79.2	12.7	17.5	946.2
32	32	1314.5	158.8	193.5	946.2	914.4	330.2	1155.7	20	85.9	12.7	17.5	1003.3
34	34	1397.0	165.1	204.7	1006.3	965.2	349.3	1225.6	20	91.9	14.2	20.6	1066.8
36	36	1460.5	171.5	214.4	1063.8	1022.4	362.0	1289.1	20	91.9	14.2	20.6	1124.0
38	38	1460.5	190.5	215.9	1073.2	1098.6	352.6	1					

ASME B16.47 "A" Pipe Schedules (Metric)

NOM. PIPE SIZE	NOMINAL POINT OF WELD	<u>10</u>		<u>20</u>		<u>30</u>		<u>40</u>		<u>40S</u>		<u>STD</u>		<u>80S</u>		<u>XS</u>		NOM. PIPE SIZE
		I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	I.D.	N.W.	
		26	660.4	644.6	7.9	635.0	12.7	641.4	9.5	641.4	9.5	635.0	12.7		635.0	12.7	26
28	711.2	695.4	7.9	685.8	12.7	679.5	15.9	...	...	692.2	9.5	692.2	9.5	685.8	12.7	685.8	12.7	28
30	762.0	746.2	7.9	736.6	12.7	730.3	15.9	...	...	743.0	9.5	743.0	9.5	736.6	12.7	736.6	12.7	30
32	812.8	797.0	7.9	787.4	12.7	781.1	15.9	777.8	17.5	...	...	793.8	9.5	...	...	787.4	12.7	32
34	863.6	847.8	7.9	838.2	12.7	831.9	15.9	828.6	17.5	...	...	844.6	9.5	...	...	838.2	12.7	34
36	914.4	898.6	7.9	...	...	882.7	15.9	876.3	19.1	895.4	9.5	895.4	9.5	889.0	12.7	889.0	12.7	36
38	965.2	...	...	...	...	...	...	...	...	...	...	946.2	9.5	...	...	939.8	12.7	38
40	1016.0	...	...	...	...	...	...	...	...	...	...	997.0	9.5	...	...	990.6	12.7	40
42	1066.8	...	...	...	...	...	...	...	...	1047.8	9.5	1047.8	9.5	1041.4	12.7	1041.4	12.7	42
44	1117.6	...	...	...	...	...	...	...	...	...	...	1098.6	9.5	...	...	1092.2	12.7	44
46	1168.4	...	...	...	...	...	...	...	...	...	...	1149.4	9.5	...	...	1143.0	12.7	46
48	1219.2	...	...	...	...	...	...	...	...	1200.2	9.5	1200.2	9.5	1193.8	12.7	1193.8	12.7	48
50	1270.0	...	...	...	...	...	...	...	...	...	...	1251.0	9.5	...	...	1244.6	12.7	50
52	1320.8	...	...	...	...	...	...	...	...	...	...	1301.8	9.5	...	...	1295.4	12.7	52
54	1371.6	...	...	...	...	...	...	...	...	...	...	1352.6	9.5	...	...	1346.2	12.7	54
56	1422.4	...	...	...	...	...	...	...	...	...	...	1403.4	9.5	...	...	1397.0	12.7	56
58	1473.2	...	...	...	...	...	...	...	...	...	...	1454.2	9.5	...	...	1447.8	12.7	58
60	1524.0	...	...	...	...	...	...	...	...	...	...	1505.0	9.5	...	...	1498.6	12.7	60

FLANGE WEIGHTS	NOM. PIPE SIZE	CLASS 150				CLASS 300				CLASS 400				CLASS 600				CLASS 900				NOM. PIPE SIZE
		WELD NECK	SLIP-ON †	LAP JOINT †	BLIND	WELD NECK	SLIP-ON †	LAP JOINT †	BLIND	WELD NECK	SLIP-ON †	LAP JOINT †	BLIND	WELD NECK	SLIP-ON †	LAP JOINT †	BLIND	WELD NECK	SLIP-ON †	LAP JOINT †	BLIND	
		26	147.1	128.5	129.6	320.1	279.2	265.2	267.0	476.2	311.4	567.0	434.9	780.0	673.3	...	...		1092.8	26
28	167.5	157.3	158.5	378.6	338.7	325.2	327.3	583.8	369.6	...	...	680.5	488.5	...	...	906.6	792.7	...	...	1348.8	28
30	195.7	185.6	187.0	448.1	389.1	375.7	379.4	683.3	424.9	...	...	804.0	554.3	558.3	552.0	1072.3	916.6	...	...	1609.0	30
32	244.7	226.3	228.0	557.1	447.6	430.8	434.5	792.7	490.3	...	...	931.6	618.3	...	...	1250.8	1097.3	...	...	1934.5	32
34	262.0	251.2	252.9	623.8	502.6	481.8	485.3	916.6	550.7	...	...	1087.3	679.2	...	...	1424.7	1287.5	...	...	2304.5	34
36	309.2	296.3	298.7	755.9	558.0	538.7	543.4	1070.1	617.9	...	...	1262.1	770.4	...	...	1661.2	1454.6	...	...	2657.3	36
38	345.9	349.4	352.3	824.9	308.3	307.5	312.4	898.0	420.0	...	...	1114.1	648.8	...	...	1506.8	1419.2	...	...	2681.3	38
40	372.3	376.9	379.5	922.5	373.2	375.8	381.4	1063.7	482.6	...	...	1290.3	696.9	...	...	1692.1	1500.5	...	...	2945.6	40
42	426.3	431.3	433.9	1078.7	408.1	412.7	418.6	1204.0	523.0	...	...	1436.5	863.5	...	...	2024.4	1634.4	...	...	3274.7	42
44	474.4	468.0	471.3	1227.6	463.5	472.9	479.9	1376.1	595.6	...	...	1647.1	916.2	...	...	2242.8	1903.6	...	...	3804.1	44
46	506.7	519.2	523.0	1340.7	535.3	550.3	558.4	1567.7	661.0	...	...	1860.9	1017.4	...	...	2539.2	2226.0	...	...	4417.0	46
48	560.2	576.2	579.8	1514.1	571.1	585.6	592.0	1741.1	780.0	...	...	2141.5	1205.8	...	...	2946.5	2390.8	...	...	4852.8	48
50	602.0	...	...	1664.8	647.0	...	...	1979.9	848.5	...	...	2392.1	1409.7	...	...	3392.7	...	...	...	...	50
52	665.1	...	...	1863.7	696.0	...	...	2190.1	910.3	...	...	2631.8	1479.1	...	...	3674.2	...	...	...	...	52
54	734.6	...	...	2084.8	836.3	...	...	2534.2	1100.5	...	...	3045.4	1620.8	...	...	4085.5	...	...	...	...	54
56	816.7	...	...	2304.1	882.6	...	...	2724.0	1200.4	...	...	3307.4	1826.4	...	...	4579.0	...	...	...	...	56
58	893.5	...	...	2550.1	928.0	...	...	2970.5	1225.3	...	...	3598.0	1936.3	...	...	4979.0	...	...	...	...	58
60	939.3	...	...	2760.8	988.8	...	...	3244.7	1431.0	...	...	4085.1	2333.1	...	...	5741.7	...	...	...	...	60

† Per Tube Turns MSS-SP44

‡ Per Taylor Forge #571