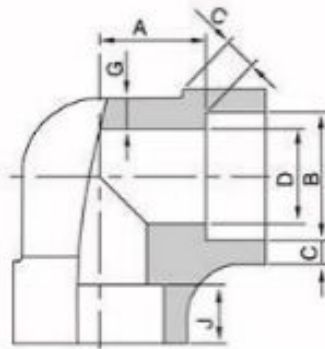


SW 90° Elbow

Socket-weld forged steel fitting | Class 3000



SW90° Elbow

DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- G minimum body wall thickness
- J minimum socket depth
- A center to bottom of socket

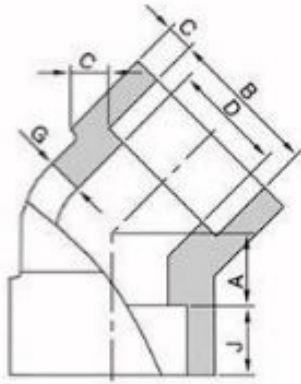
DIMENSIONS / mm

SW 3000 | SW-90-3000

DN	NPS	B	D	C avg	C min	G min	J min	A
6	1/8	10.9	6.1	3.18	3.18	2.41	9.5	11.0
8	1/4	14.3	8.5	3.78	3.30	3.02	9.5	11.0
10	3/8	17.7	11.8	4.01	3.50	3.20	9.5	13.5
15	1/2	21.9	15.0	4.67	4.09	3.73	9.5	15.5
20	3/4	27.3	20.2	4.90	4.27	3.91	12.5	19.0
25	1	34.0	25.9	5.69	4.98	4.55	12.5	22.5
32	1 1/4	42.8	34.3	6.07	5.28	4.85	12.5	27.0
40	1 1/2	48.9	40.1	6.35	5.54	5.08	12.5	32.0
50	2	61.2	51.7	6.93	6.04	5.54	16.0	38.0
65	2 1/2	73.9	61.2	8.76	7.62	7.01	16.0	41.0
80	3	89.9	76.4	9.52	8.30	7.62	16.0	57.0
100	4	115.5	100.7	10.69	9.35	8.56	19.0	66.5

SW 45° Elbow

Socket-weld forged steel fitting | Class 3000



SW45° Elbow

DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- G minimum body wall thickness
- J minimum socket depth
- A center to bottom of socket

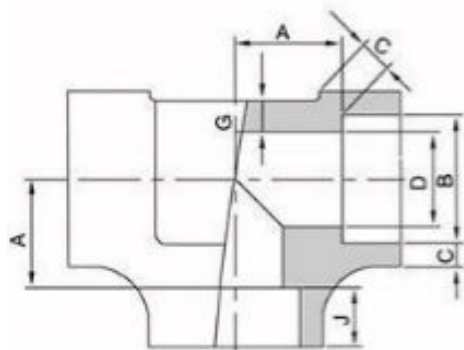
DIMENSIONS / mm

SW 3000 | SW-45-3000

DN	NPS	B	D	C avg	C min	G min	J min	A
6	1/8	10.9	6.1	3.18	3.18	2.41	9.5	8.0
8	1/4	14.3	8.5	3.78	3.30	3.02	9.5	8.0
10	3/8	17.7	11.8	4.01	3.50	3.20	9.5	8.0
15	1/2	21.9	15.0	4.67	4.09	3.73	9.5	11.0
20	3/4	27.3	20.2	4.90	4.27	3.91	12.5	13.0
25	1	34.0	25.9	5.69	4.98	4.55	12.5	14.0
32	1 1/4	42.8	34.3	6.07	5.28	4.85	12.5	17.5
40	1 1/2	48.9	40.1	6.35	5.54	5.08	12.5	20.5
50	2	61.2	51.7	6.93	6.04	5.54	16.0	25.5
65	2 1/2	73.9	61.2	8.76	7.62	7.01	16.0	28.5
80	3	89.9	76.4	9.52	8.30	7.62	16.0	32.0
100	4	115.5	100.7	10.69	9.35	8.56	19.0	41.0

SW Tee

Socket-weld forged steel fitting | Class 3000



SW Tee

DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- G minimum body wall thickness
- J minimum socket depth
- A center to bottom of socket

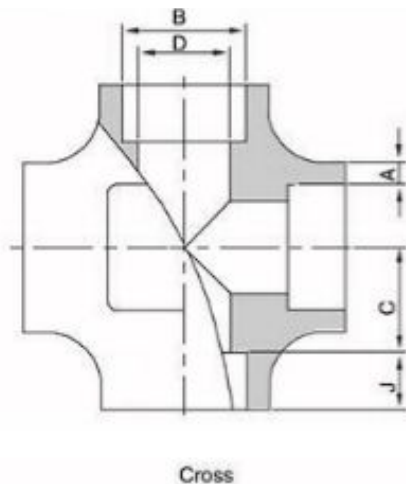
DIMENSIONS / mm

SW 3000 | SW-TEE-3000

DN	NPS	B	D	C avg	C min	G min	J min	A
6	1/8	10.9	6.1	3.18	3.18	2.41	9.5	11.0
8	1/4	14.3	8.5	3.78	3.30	3.02	9.5	11.0
10	3/8	17.7	11.8	4.01	3.50	3.20	9.5	13.5
15	1/2	21.9	15.0	4.67	4.09	3.73	9.5	15.5
20	3/4	27.3	20.2	4.90	4.27	3.91	12.5	19.0
25	1	34.0	25.9	5.69	4.98	4.55	12.5	22.5
32	1 1/4	42.8	34.3	6.07	5.28	4.85	12.5	27.0
40	1 1/2	48.9	40.1	6.35	5.54	5.08	12.5	32.0
50	2	61.2	51.7	6.93	6.04	5.54	16.0	38.0
65	2 1/2	73.9	61.2	8.76	7.62	7.01	16.0	41.0
80	3	89.9	76.4	9.52	8.30	7.62	16.0	57.0
100	4	115.5	100.7	10.69	9.35	8.56	19.0	66.5

SW Cross

Socket-weld forged steel fitting | Class 3000



DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- G minimum body wall thickness
- J minimum socket depth
- A center to bottom of socket

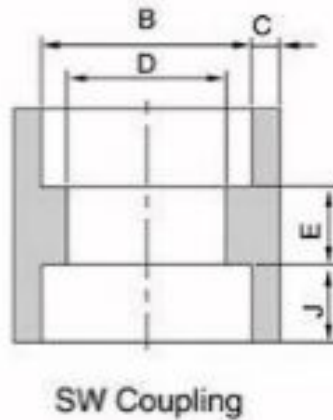
DIMENSIONS / mm

SW 3000 | SW-CROSS-3000

DN	NPS	B	D	C avg	C min	G min	J min	A
6	1/8	10.9	6.1	3.18	3.18	2.41	9.5	11.0
8	1/4	14.3	8.5	3.78	3.30	3.02	9.5	11.0
10	3/8	17.7	11.8	4.01	3.50	3.20	9.5	13.5
15	1/2	21.9	15.0	4.67	4.09	3.73	9.5	15.5
20	3/4	27.3	20.2	4.90	4.27	3.91	12.5	19.0
25	1	34.0	25.9	5.69	4.98	4.55	12.5	22.5
32	1 1/4	42.8	34.3	6.07	5.28	4.85	12.5	27.0
40	1 1/2	48.9	40.1	6.35	5.54	5.08	12.5	32.0
50	2	61.2	51.7	6.93	6.04	5.54	16.0	38.0
65	2 1/2	73.9	61.2	8.76	7.62	7.01	16.0	41.0
80	3	89.9	76.4	9.52	8.30	7.62	16.0	57.0
100	4	115.5	100.7	10.69	9.35	8.56	19.0	66.5

SW Coupling

Socket-weld forged steel fitting | Class 3000



DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- J minimum socket depth
- E coupling bore / laying length

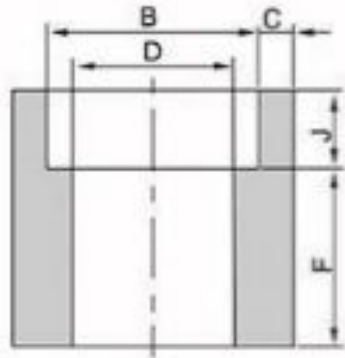
DIMENSIONS / mm

SW 3000 | SW-COUPLING-3000

DN	NPS	B	D	C avg	C min	J min	E
6	1/8	10.9	6.1	3.18	3.18	9.5	6.5
8	1/4	14.3	8.5	3.78	3.30	9.5	6.5
10	3/8	17.7	11.8	4.01	3.50	9.5	6.5
15	1/2	21.9	15.0	4.67	4.09	9.5	9.5
20	3/4	27.3	20.2	4.90	4.27	12.5	9.5
25	1	34.0	25.9	5.69	4.98	12.5	12.5
32	1 1/4	42.8	34.3	6.07	5.28	12.5	12.5
40	1 1/2	48.9	40.1	6.35	5.54	12.5	12.5
50	2	61.2	51.7	6.93	6.04	16.0	19.0
65	2 1/2	73.9	61.2	8.76	7.62	16.0	19.0
80	3	89.9	76.4	9.52	8.30	16.0	19.0
100	4	115.5	100.7	10.69	9.35	19.0	19.0

SW Half-Coupling

Socket-weld forged steel fitting | Class 3000



SW Half-Coupling

DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- J minimum socket depth
- F fitting length

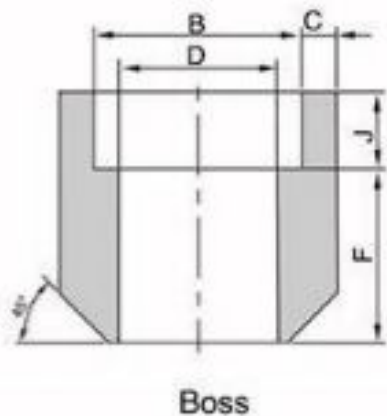
DIMENSIONS / mm

SW 3000 | SW-HALF-COUPLING-3000

DN	NPS	B	D	C avg	C min	J min	F
6	1/8	10.9	6.1	3.18	3.18	9.5	16.0
8	1/4	14.3	8.5	3.78	3.30	9.5	16.0
10	3/8	17.7	11.8	4.01	3.50	9.5	17.5
15	1/2	21.9	15.0	4.67	4.09	9.5	22.5
20	3/4	27.3	20.2	4.90	4.27	12.5	24.0
25	1	34.0	25.9	5.69	4.98	12.5	28.5
32	1 1/4	42.8	34.3	6.07	5.28	12.5	30.0
40	1 1/2	48.9	40.1	6.35	5.54	12.5	32.0
50	2	61.2	51.7	6.93	6.04	16.0	41.0
65	2 1/2	73.9	61.2	8.76	7.62	16.0	43.0
80	3	89.9	76.4	9.52	8.30	16.0	44.5
100	4	115.5	100.7	10.69	9.35	19.0	48.0

SW Boss

Socket-weld forged steel fitting | Class 3000



DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- J minimum socket depth
- F fitting length

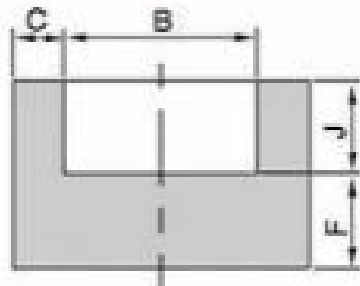
DIMENSIONS / mm

SW 3000 | SW-BOSS-3000

DN	NPS	B	D	C avg	C min	J min	F
6	1/8	10.9	6.1	3.18	3.18	9.5	16.0
8	1/4	14.3	8.5	3.78	3.30	9.5	16.0
10	3/8	17.7	11.8	4.01	3.50	9.5	17.5
15	1/2	21.9	15.0	4.67	4.09	9.5	22.5
20	3/4	27.3	20.2	4.90	4.27	12.5	24.0
25	1	34.0	25.9	5.69	4.98	12.5	28.5
32	1 1/4	42.8	34.3	6.07	5.28	12.5	30.0
40	1 1/2	48.9	40.1	6.35	5.54	12.5	32.0
50	2	61.2	51.7	6.93	6.04	16.0	41.0
65	2 1/2	73.9	61.2	8.76	7.62	16.0	43.0
80	3	89.9	76.4	9.52	8.30	16.0	44.5
100	4	115.5	100.7	10.69	9.35	19.0	48.0

SW Cap

Socket-weld forged steel fitting | Class 3000



SW Cap

DIMENSIONAL REFERENCE

- B socket bore diameter
- C socket wall thickness (average / minimum)
- J minimum socket depth
- F cap length

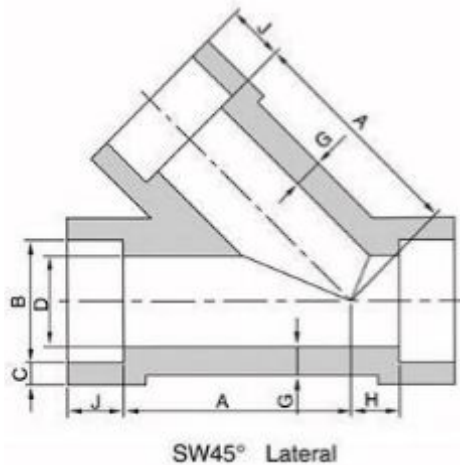
DIMENSIONS / mm

SW 3000 | SW-CAP-3000

DN	NPS	B	C avg	C min	J min	F
6	1/8	10.9	3.18	3.18	9.5	16.0
8	1/4	14.3	3.78	3.30	9.5	16.0
10	3/8	17.7	4.01	3.50	9.5	17.5
15	1/2	21.9	4.67	4.09	9.5	22.5
20	3/4	27.3	4.90	4.27	12.5	24.0
25	1	34.0	5.69	4.98	12.5	28.5
32	1 1/4	42.8	6.07	5.28	12.5	30.0
40	1 1/2	48.9	6.35	5.54	12.5	32.0
50	2	61.2	6.93	6.04	16.0	41.0
65	2 1/2	73.9	8.76	7.62	16.0	43.0
80	3	89.9	9.52	8.30	16.0	44.5
100	4	115.5	10.69	9.35	19.0	48.0

SW 45° Lateral

Socket-weld forged steel fitting | Class 3000



DIMENSIONAL REFERENCE

- B socket bore diameter
- D bore diameter of fitting
- C socket wall thickness (average / minimum)
- G minimum body wall thickness
- J minimum socket depth
- A / H laying dimensions of 45-degree lateral

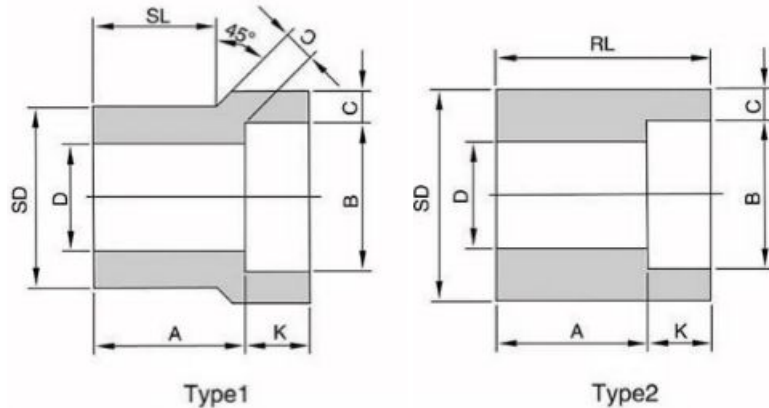
DIMENSIONS / mm

SW 3000 | SW-LATERAL-3000

DN	NPS	B	D	C avg	C min	G min	J min	A	H
6	1/8	10.9	6.1	3.18	3.18	2.41	9.5	-	-
8	1/4	14.3	8.5	3.78	3.30	3.02	9.5	-	-
10	3/8	17.7	11.8	4.01	3.50	3.20	9.5	37	9.5
15	1/2	21.9	15.0	4.67	4.09	3.73	9.5	41	9.5
20	3/4	27.3	20.2	4.90	4.27	3.91	12.5	51	11
25	1	34.0	25.9	5.69	4.98	4.55	12.5	60	13
32	1 1/4	42.8	34.3	6.07	5.28	4.85	12.5	71	16
40	1 1/2	48.9	40.1	6.35	5.54	5.08	12.5	81	17
50	2	61.2	51.7	6.93	6.04	5.54	16.0	98	21
65	2 1/2	73.9	61.2	8.76	7.62	7.01	16.0	151	30
80	3	89.9	76.4	9.52	8.30	7.62	16.0	184	57
100	4	115.5	100.7	10.69	9.35	8.56	19.0	201	66

SW Reducer Inserts (1/3)

Socket-weld reducer insert | Class 3000 | MSS SP-79



TYPE 1 / TYPE 2 - DIMENSIONS

Size is large-end DN x small-end DN

B socket bore diameter; SD shank diameter

K minimum socket depth; A laying length

D bore diameter; C minimum wall thickness

Type 2 may be supplied in lieu of Type 1.

Confirm the required construction when ordering.

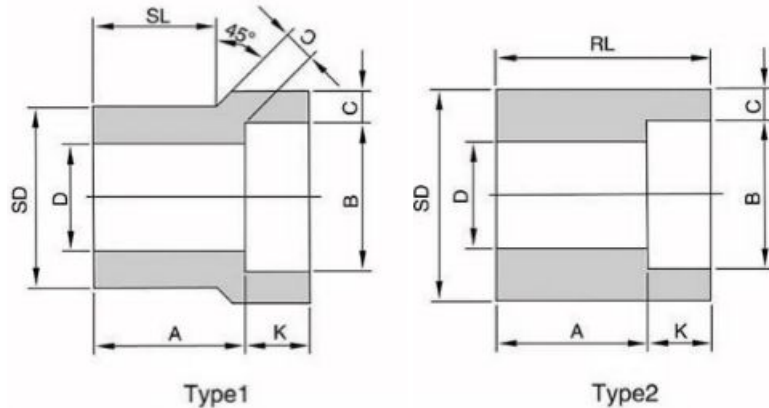
DIMENSIONS / mm

SW 3000 | REDUCER INSERT

DN pair	NPS pair	Type	B	K min	SD	A	D	C min
10 x 8	3/8 x 1/4	1	14.3	9.5	17.1	19.1	9.2	3.8
15 x 10	1/2 x 3/8	1	17.7	9.5	21.3	20.6	12.5	4.0
15 x 8	1/2 x 1/4	1	14.3	9.5	21.3	20.6	9.2	3.8
20 x 15	3/4 x 1/2	1	21.9	9.5	26.7	22.4	15.8	4.7
20 x 10	3/4 x 3/8	2	17.7	9.5	26.7	15.7	12.5	4.0
20 x 8	3/4 x 1/4	2	14.3	9.5	26.7	17.5	9.2	3.8
25 x 20	1 x 3/4	1	27.3	12.5	33.4	23.9	20.9	4.9
25 x 15	1 x 1/2	2	21.9	9.5	33.4	15.7	15.8	4.7
25 x 10	1 x 3/8	2	17.7	9.5	33.4	17.5	12.5	4.0
25 x 8	1 x 1/4	2	14.3	9.5	33.4	19.1	9.2	3.8
32 x 25	1 1/4 x 1	1	34.0	12.5	42.2	25.4	26.6	5.7
32 x 20	1 1/4 x 3/4	2	27.3	12.5	42.2	17.5	20.9	4.9
32 x 15	1 1/4 x 1/2	2	21.9	9.5	42.2	19.1	15.8	4.7
32 x 10	1 1/4 x 3/8	2	17.7	9.5	42.2	20.6	12.5	4.0
32 x 8	1 1/4 x 1/4	2	14.3	9.5	42.2	22.4	9.2	3.8

SW Reducer Inserts (2/3)

Socket-weld reducer insert | Class 3000 | MSS SP-79



TYPE 1 / TYPE 2 - DIMENSIONS

Size is large-end DN x small-end DN

B socket bore diameter; SD shank diameter

K minimum socket depth; A laying length

D bore diameter; C minimum wall thickness

Type 2 may be supplied in lieu of Type 1.

Confirm the required construction when ordering.

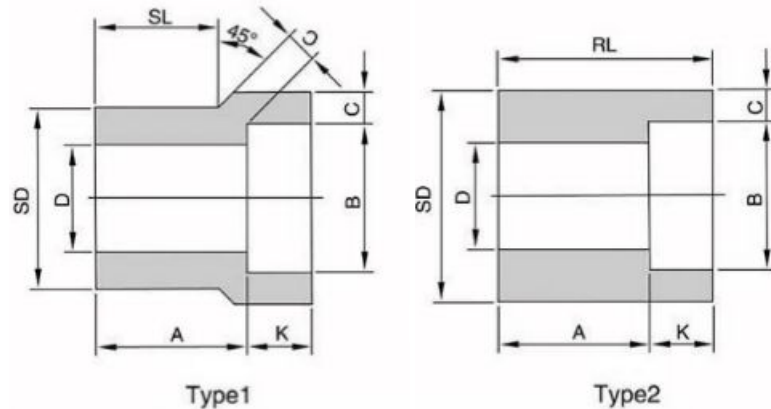
DIMENSIONS / mm

SW 3000 | REDUCER INSERT

DN pair	NPS pair	Type	B	K min	SD	A	D	C min
40 x 32	1 1/2 x 1 1/4	1	42.8	12.5	48.3	28.5	35.1	6.1
40 x 25	1 1/2 x 1	2	34.0	12.5	48.3	17.5	26.6	5.7
40 x 20	1 1/2 x 3/4	2	27.3	12.5	48.3	19.1	20.9	4.9
40 x 15	1 1/2 x 1/2	2	22.0	9.5	48.3	20.6	15.8	4.7
40 x 10	1 1/2 x 3/8	2	17.7	9.5	48.3	22.4	12.5	4.0
50 x 40	2 x 1 1/2	1	48.9	12.5	60.3	31.8	40.9	6.4
50 x 32	2 x 1 1/4	2	42.8	12.5	60.3	20.6	35.1	6.1
50 x 25	2 x 1	2	34.0	12.5	60.3	22.4	26.6	5.7
50 x 20	2 x 3/4	2	27.3	12.5	60.3	23.9	20.9	4.9
50 x 15	2 x 1/2	2	21.9	9.5	60.3	25.4	15.8	4.7
65 x 50	2 1/2 x 2	1	61.4	16.0	73.0	46.0	52.5	6.9
65 x 40	2 1/2 x 1 1/2	2	48.9	12.5	73.0	35.1	40.9	6.4
65 x 32	2 1/2 x 1 1/4	2	42.8	12.5	73.0	36.6	35.1	6.1
65 x 25	2 1/2 x 1	2	34.0	12.5	73.0	38.1	26.6	5.7
65 x 20	2 1/2 x 3/4	2	27.3	12.5	73.0	39.6	20.9	4.9

SW Reducer Inserts (3/3)

Socket-weld reducer insert | Class 3000 | MSS SP-79



TYPE 1 / TYPE 2 - DIMENSIONS

Size is large-end DN x small-end DN

B socket bore diameter; SD shank diameter

K minimum socket depth; A laying length

D bore diameter; C minimum wall thickness

Type 2 may be supplied in lieu of Type 1.

Confirm the required construction when ordering.

DIMENSIONS / mm

SW 3000 | REDUCER INSERT

DN pair	NPS pair	Type	B	K min	SD	A	D	C min
80 x 65	3 x 2 1/2	1	74.1	16.0	88.9	38.1	62.7	8.8
80 x 50	3 x 2	2	61.4	16.0	88.9	25.4	52.5	6.9
80 x 40	3 x 1 1/2	2	48.9	12.5	88.9	28.5	40.9	6.4
80 x 32	3 x 1 1/4	2	42.8	12.5	88.9	30.2	35.1	6.1
80 x 25	3 x 1	2	34.0	12.5	88.9	31.8	26.6	5.7
100 x 80	4 x 3	1	90.0	16.0	114.3	33.3	77.9	9.5
100 x 65	4 x 2 1/2	2	74.1	16.0	114.3	38.1	62.7	8.8
100 x 50	4 x 2	2	61.4	16.0	114.3	38.1	52.5	6.9
100 x 40	4 x 1 1/2	2	48.9	12.5	114.3	41.2	40.9	6.4
100 x 32	4 x 1 1/4	2	42.8	12.5	114.3	42.9	35.1	6.1