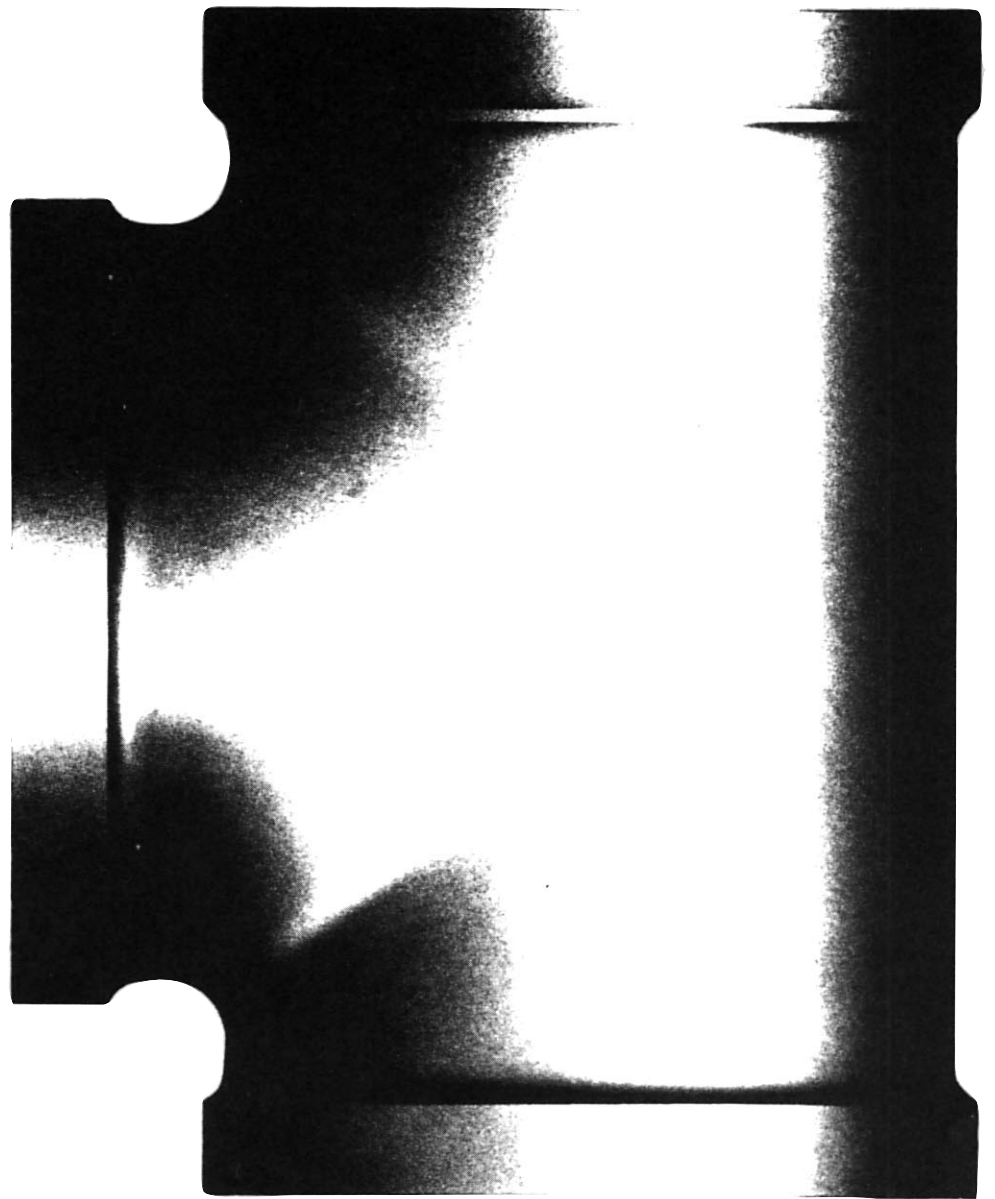








CCTA

CAST IRON
THREADED FITTINGS



INCHES/METRIC

INDEX CAST IRON THREADED FITTINGS

	PAGE
 <u>90° ELBOWS</u> CLASS 125 C.I.	4
 <u>90° REDUCING ELBOWS</u> CLASS 125 C.I.	4
 <u>45° ELBOWS</u> CLASS 125 C.I.	5
 <u>TEES</u> CLASS 125 C.I.	5
 <u>REDUCING TEES</u> CLASS 125 C.I.	6
 <u>REDUCING COUPLINGS</u> CLASS 125 C.I. concentric & eccentric	9

STANDARDS

CCTF CAST IRON FITTINGS are designed to conform with the following industry standards:

MATERIAL:	ASTM A 126 ASTM A 153	Gray Iron Castings Zinc Coatings
DIMENSIONS:	ANSI/ASME B 16.4 ASME B 16.14	Cast Iron Threaded Fittings Ferrous Pipe Plugs, Bushings, etc.
THREADS:	ANSI/ASME B1.20.1	Pipe Threads

*PRESSURE-TEMPERATURE RATINGS

CAST IRON - ANSI/ASME B 16.4		
Temperature		Class 125 ¹ psi
Degrees C	Degrees F	
-29 to 66	-200 to 150	175
93	200	165
121	250	150
149	300	140
177	350	125 ²

¹ 14.5 psi = 1 bar = 100 kPa.

² Permissible for service temperature up to 353°F, reflecting the temperature of saturated steam at 125 psig.

*All CCTF iron fittings are air pressure tested under water.

IDENTIFICATION, MARKING

Each fitting shall be marked with manufacturer's name or trademark.

Class 125 Cast Iron threaded fittings have no pressure class markings.

THREADING

All fittings shall be threaded with American National Standard Pipe Threads (ANSI/ASME B1.20.1) and shall have taper threads, except wrought couplings and wrought caps in sizes 1/8, 1/4, 3/8 and 1/2, which may have straight threads.

CONVERSION FACTORS

The International System (SI) metric equivalent of British units are shown throughout this catalogue.

NPS (Nominal Pipe Size)	= DN* (Nominal Diameter)
Operating Pressure Class	= PN* (Pressure Number)
1 inch	= 25.4 millimetres
1 pound, weight	= 0.4536 kilograms
1 pound, pressure	= 0.06895 bars

*From the SI designations, Diamètre Nominal and Pression Nominale.

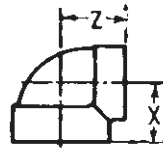
CLASS 125

CAST IRON

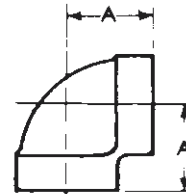
THREADED FITTINGS

ANSI/ASME B16.4

ASTM A126



90° REDUCING ELBOW



90° ELBOW



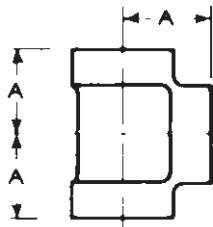
90° ELBOWS			
SIZE		DIMENSION	
NPS	DN	A	APPROX. WEIGHT
1/4		.81	.16
	6	20.6	.07
3/8		.95	.25
	10	24.1	.11
1/2		1.12	.40
	15	28.5	.18
3/4		1.31	.60
	20	33.3	.27
1		1.50	.92
	25	38.1	.42
1 1/4		1.75	1.4
	32	44.5	.64
1 1/2		1.94	2.0
	40	49.3	.91
2		2.25	3.1
	50	57.2	1.4
2 1/2		2.70	4.9
	65	68.6	2.2
3		3.08	7.2
	80	78.2	3.3
3 1/2		3.42	9.7
	90	86.9	4.4
4		3.79	12.2
	100	96.3	5.5
5		4.50	21.5
	125	114.3	9.8
6		5.13	31.3
	150	130.3	14.2

90° REDUCING ELBOWS				
SIZE		DIMENSIONS		APPROX. WEIGHT
NPS	DN	X	Z	
1/2 x 3/8		1.04	1.03	.34
	15 x 10	26.4	26.2	.15
3/4 x 1/2		1.20	1.22	.51
	20 x 15	30.5	31.0	.23
*3/4 x 1/8		1.08	1.13	.38
	*20 x 3	26.9	28.7	.17
1 x 3/4		1.37	1.45	.76
	25 x 20	34.8	36.8	.34
1 x 1/2		1.26	1.36	.67
	25 x 15	32.0	35.5	.30
*1 x 1/8		1.13	1.31	.54
	*25 x 3	28.7	33.3	.24
1 1/4 x 1		1.58	1.67	1.2
	32 x 25	40.1	42.4	.54
1 1/4 x 3/4		1.45	1.62	1.0
	32 x 20	36.8	41.2	.46
1 1/4 x 1/2		1.34	1.53	1.1
	32 x 15	34.0	38.9	.50
1 1/2 x 1 1/4		1.82	1.88	1.7
	40 x 32	46.2	47.8	.77
1 1/2 x 1		1.65	1.80	1.4
	40 x 25	41.9	45.7	.64
1 1/2 x 3/4		1.52	1.75	1.6
	40 x 20	38.6	44.4	.73
2 x 1 1/2		2.02	2.16	2.6
	50 x 40	51.3	54.9	1.2
2 x 1 1/4		1.90	2.10	2.3
	50 x 32	48.3	53.3	1.0
2 x 1		1.73	2.02	2.1
	50 x 25	43.9	51.3	.95
2 x 3/4		1.60	1.97	2.2
	50 x 20	40.6	50.0	1.0
2 1/2 x 2		2.39	2.60	4.0
	65 x 50	60.7	66.0	1.8
2 1/2 x 1 1/2		2.16	2.51	3.7
	65 x 40	54.9	63.8	1.7
2 1/2 x 1 1/4		2.04	2.45	3.4
	65 x 32	51.8	62.2	1.5

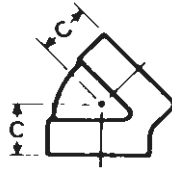
90° REDUCING ELBOWS				
SIZE		DIMENSIONS		APPROX. WEIGHT
NPS	DN	X	Z	
2 1/2 x 1		1.87	2.37	2.9
	65 x 25	47.5	60.2	1.3
3 x 2 1/2		2.83	2.99	6.4
	80 x 65	71.9	76.0	2.9
3 x 2		2.52	2.89	5.4
	80 x 50	64.0	73.4	2.4
3 x 1 1/2		2.29	2.80	5.7
	80 x 40	58.2	71.1	2.6
3 1/2 x 3		3.18	3.33	9.0
	90 x 80	80.8	84.6	4.1
4 x 3 1/2		3.54	3.69	11.9
	100 x 90	89.9	93.7	5.4
4 x 3		3.30	3.60	10.6
	100 x 80	83.8	91.4	4.8
4 x 2 1/2		3.05	3.51	11.3
	100 x 65	77.5	89.2	5.1
4 x 2		2.74	3.41	11.9
	100 x 50	69.6	86.6	5.4
5 x 4		4.00	4.41	16.5
	125 x 100	101.6	112.0	7.5
5 x 3		3.51	4.22	19.0
	125 x 80	89.2	107.2	8.6
6 x 5		4.63	5.03	26.7
	150 x 125	117.6	127.8	12.1
6 x 4		4.13	4.94	23.5
	150 x 100	104.9	125.5	10.7
6 x 3		3.64	4.75	19.4
	150 x 80	92.5	120.7	8.8

INCHES
MILLIMETRES

POUNDS
KILOGRAMS



TEE



45° ELBOW

CLASS 125
CAST IRON
THREADED FITTINGS
 ANSI/ASME B16.4
 ASTM A126

45° ELBOWS			
SIZE		DIMENSION	APPROX. WEIGHT
NPS	DN	C	
1/4		.73	.16
	6	18.5	.07
3/8		.80	.23
	10	20.3	.10
1/2		.88	.37
	15	22.4	.17
3/4		.98	.55
	20	24.9	.25
1		1.12	.83
	25	28.5	.38
1 1/4		1.29	1.3
	32	32.8	.59
1 1/2		1.43	1.8
	40	36.3	.82
2		1.68	2.9
	50	42.7	1.3
2 1/2		1.95	4.3
	65	49.5	2.0
3		2.17	6.4
	80	55.1	2.9
3 1/2		2.39	8.4
	90	60.7	3.8
4		2.61	10.6
	100	66.3	4.8
5		3.05	17.0
	125	77.5	7.7
6		3.46	26.0
		87.9	

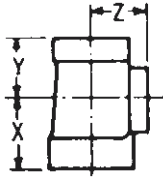
TEES			
SIZE		DIMENSION	APPROX. WEIGHT
NPS	DN	A	
1/4		.81	.22
	6	20.6	.10
3/8		.95	.35
	10	24.1	.16
1/2		1.12	.56
	15	28.5	.25
3/4		1.31	.84
	20	33.3	.38
1		1.50	1.3
	25	38.1	.59
1 1/4		1.75	2.0
	32	44.5	.90
1 1/2		1.94	2.7
	40	49.3	1.2
2		2.25	4.2
	50	57.2	1.9
2 1/2		2.70	6.7
	65	68.6	3.0
3		3.08	10.0
	80	78.2	4.6
3 1/2		3.42	13.3
	90	86.9	6.0
4		3.79	16.3
	100	96.3	7.4
5		4.50	27.3
	125	114.3	12.4
6		5.13	40.9
	150	130.3	18.6

INCHES
 MILLIMETRES

POUNDS
 KILOGRAMS



CLASS 125
CAST IRON THREADED
△ REDUCING TEES
ANSI/ASME B16.4
ASTM A126



REDUCED RUN; OTHER END AND OUTLET EQUAL.



REDUCED ON RUN AND OUTLET.



STRAIGHT RUN, REDUCING OUTLET

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
1/2 x 1/2 x 3/8		1.04	1.04	1.03	.57
	15 x 15 x 10	26.4	26.4	26.2	.26
1/2 x 1/2 x 1/4		.97	.97	.98	.57
	15 x 15 x 6	24.6	24.6	24.9	.26
3/4 x 3/4 x 1/2		1.20	1.20	1.22	.76
	20 x 20 x 15	30.5	30.5	31.0	.34
3/4 x 3/4 x 3/8		1.12	1.12	1.13	.75
	20 x 20 x 10	28.5	28.5	28.7	.34
3/4 x 3/4 x 1/4		1.05	1.05	1.08	.62
	20 x 20 x 6	26.7	26.7	27.4	.28
3/4 x 1/2 x 3/4		1.31	1.22	1.31	.75
	20 x 15 x 20	33.3	31.0	33.3	.34
3/4 x 1/2 x 1/2		1.20	1.12	1.22	.64
	20 x 15 x 15	30.5	28.5	31.0	.29
1 x 1 x 3/4		1.37	1.37	1.45	1.1
	25 x 25 x 20	34.8	34.8	36.8	.50
1 x 1 x 1/2		1.26	1.26	1.36	1.0
	25 x 25 x 15	32.0	32.0	35.5	.45
1 x 1 x 3/8		1.18	1.18	1.27	1.0
	25 x 25 x 10	30.0	30.0	32.3	.45
1 x 3/4 x 1		1.50	1.45	1.50	1.1
	25 x 20 x 25	38.1	36.8	38.1	.50
1 x 3/4 x 3/4		1.37	1.31	1.45	1.0
	25 x 20 x 20	34.8	33.3	36.8	.45
1 x 3/4 x 1/2		1.26	1.20	1.36	.90
	25 x 20 x 15	32.0	30.5	35.5	.40
1 x 1/2 x 1		1.50	1.36	1.50	1.1
	25 x 15 x 25	38.1	35.5	38.1	.50
1 x 1/2 x 3/4		1.37	1.22	1.45	.91
	25 x 15 x 20	34.8	31.1	36.8	.41
1 x 1/2 x 1/2		1.26	1.12	1.36	.90
	25 x 25 x 15	32.0	28.5	35.5	.40
1 1/4 x 1 1/4 x 1		1.58	1.58	1.67	1.7
	32 x 32 x 25	40.1	40.1	42.4	.77
1 1/4 x 1 1/4 x 3/4		1.45	1.45	1.62	1.6
	32 x 32 x 20	36.8	36.8	41.2	.73
1 1/4 x 1 1/4 x 1/2		1.34	1.34	1.53	1.5
	32 x 32 x 15	34.0	34.0	38.9	.68
1 1/4 x 1 x 1 1/4		1.75	1.67	1.75	1.8
	32 x 25 x 32	44.5	42.4	44.5	.82
1 1/4 x 1 x 1		1.58	1.50	1.67	1.5
	32 x 25 x 25	40.1	38.1	42.4	.68
1 1/4 x 1 x 3/4		1.45	1.37	1.62	1.4
	32 x 25 x 20	36.8	34.8	41.2	.64

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
1 1/4 x 1 x 1/2		1.34	1.26	1.53	1.3
	32 x 25 x 15	34.0	32.0	38.9	.59
1 1/4 x 3/4 x 1 1/4		1.75	1.62	1.75	1.7
	32 x 20 x 32	44.5	41.2	44.5	.77
1 1/4 x 3/4 x 1		1.58	1.45	1.67	1.4
	32 x 20 x 25	40.1	36.8	42.4	.64
1 1/4 x 3/4 x 3/4		1.45	1.31	1.62	1.3
	32 x 20 x 20	36.8	33.3	41.2	.59
1 1/4 x 1/2 x 1 1/4		1.75	1.53	1.75	1.6
	32 x 15 x 32	44.5	38.9	44.5	.73
1 1/4 x 1/2 x 1		1.58	1.36	1.67	1.4
	32 x 15 x 25	40.1	34.5	42.4	.64
1 1/2 x 1 1/2 x 1 1/4		1.82	1.82	1.88	2.4
	40 x 40 x 32	46.2	46.2	47.8	1.1
1 1/2 x 1 1/2 x 1		1.65	1.65	1.80	2.1
	40 x 40 x 25	41.9	41.9	45.7	.95
1 1/2 x 1 1/2 x 3/4		1.52	1.52	1.75	2.0
	40 x 40 x 20	38.6	38.6	44.5	.91
1 1/2 x 1 1/2 x 1/2		1.41	1.41	1.66	1.8
	40 x 40 x 15	35.8	35.8	42.2	.82
1 1/2 x 1 1/4 x 1 1/2		1.94	1.88	1.94	2.5
	40 x 32 x 40	49.3	47.6	49.3	1.1
1 1/2 x 1 1/4 x 1 1/4		1.82	1.75	1.88	2.3
	40 x 32 x 32	46.2	44.5	47.8	1.0
1 1/2 x 1 1/4 x 1		1.65	1.58	1.80	2.0
	40 x 32 x 25	41.9	40.1	45.7	.91
1 1/2 x 1 1/4 x 3/4		1.52	1.45	1.75	1.8
	40 x 32 x 20	38.6	36.8	44.5	.82
1 1/2 x 1 1/4 x 1/2		1.41	1.34	1.66	1.7
	40 x 32 x 15	35.8	34.0	42.2	.77
1 1/2 x 1 x 1 1/2		1.94	1.80	1.94	2.3
	40 x 25 x 40	49.3	45.7	49.3	1.0
1 1/2 x 1 x 1 1/4		1.82	1.67	1.88	2.1
	40 x 25 x 32	46.2	42.4	47.6	1.0
1 1/2 x 1 x 1		1.65	1.50	1.80	1.7
	40 x 25 x 25	41.9	38.1	45.7	.77
*1 1/2 x 1 x 3/4		1.50	1.38	1.75	1.7
	*40 x 25 x 20	38.1	35.1	44.5	.77
1 1/2 x 3/4 x 1 1/2		1.94	1.75	1.94	2.2
	40 x 20 x 40	49.3	44.5	49.3	1.0
*1 1/2 x 3/4 x 3/4		1.50	1.38	1.75	1.8
	*40 x 20 x 20	38.1	35.1	44.5	.82
1 1/2 x 1/2 x 1 1/2		1.94	1.66	1.94	2.1
	40 x 15 x 40	49.3	42.2	49.3	.95

*Not covered by ANSI/ASME B16.4
 ^Refer to page 8 for method of identification.

CONTINUED ON PAGE 7...

INCHES
MILLIMETRES

POUNDS
KILOGRAMS

CLASS 125 CAST IRON THREADED REDUCING TEES...continued

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
*1 1/2 x 1/2 x 1 1/4		1.81	1.56	1.88	1.9
	*40 x 15 x 32	46.0	39.6	47.8	.86
2 x 2 x 1 1/2		2.02	2.02	2.16	3.6
	50 x 50 x 40	51.3	51.3	54.9	1.6
2 x 2 x 1 1/4		1.90	1.90	2.10	3.4
	50 x 50 x 32	48.3	48.3	53.3	1.5
2 x 2 x 1		1.73	1.73	2.02	3.1
	50 x 50 x 25	43.9	43.9	51.3	1.4
2 x 2 x 3/4		1.60	1.60	1.97	2.9
	50 x 50 x 20	40.6	40.6	50.0	1.3
2 x 2 x 1/2		1.49	1.49	1.88	2.7
	50 x 50 x 15	37.9	37.9	47.8	1.2
2 x 1 1/2 x 2		2.25	2.16	2.25	3.7
	50 x 40 x 50	57.2	54.9	57.2	1.7
2 x 1 1/2 x 1 1/2		2.02	1.94	2.16	3.2
	50 x 40 x 40	51.3	49.3	54.9	1.5
2 x 1 1/2 x 1 1/4		1.90	1.82	2.10	3.0
	50 x 40 x 32	48.3	46.2	53.3	1.4
2 x 1 1/2 x 1		1.73	1.65	2.02	2.7
	50 x 40 x 25	43.9	41.9	51.3	1.2
2 x 1 1/2 x 3/4		1.60	1.52	1.97	2.5
	50 x 40 x 20	40.6	38.6	50.0	1.1
2 x 1 1/2 x 1/2		1.49	1.41	1.88	2.3
	50 x 40 x 15	37.9	35.8	47.8	1.0
2 x 1 1/4 x 2		2.25	2.10	2.25	3.7
	50 x 32 x 50	57.2	53.3	57.2	1.7
2 x 1 1/4 x 1 1/2		2.02	1.88	2.16	3.1
	50 x 32 x 40	51.3	47.8	54.9	1.4
2 x 1 1/4 x 1 1/4		1.90	1.75	2.10	2.9
	50 x 32 x 32	48.3	44.5	53.3	1.3
2 x 1 1/4 x 1		1.73	1.58	2.02	2.7
	50 x 32 x 25	43.9	40.1	51.3	1.2
*2 x 1 1/4 x 1/2		1.50	1.44	1.88	2.7
	*50 x 32 x 15	38.1	36.6	47.8	1.2
2 x 1 x 2		2.25	2.02	2.25	3.5
	50 x 25 x 50	57.2	51.3	57.2	1.6
2 x 1 x 1 1/2		2.02	1.80	2.16	2.9
	50 x 25 x 40	51.3	45.7	54.9	1.3
*2 x 1 x 1		1.75	1.63	2.00	3.0
	*50 x 25 x 25	44.5	41.4	50.8	1.4
2 x 3/4 x 2		2.25	1.97	2.25	3.3
	50 x 20 x 50	57.2	50.0	57.2	1.5
2 x 1/2 x 2		2.25	1.88	2.25	3.3
	50 x 15 x 50	57.2	47.8	57.2	1.5

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
*2 x 1/2 x 1 1/2		2.00	1.81	2.13	3.0
	*50 x 15 x 40	50.8	46.0	54.1	1.4
2 1/2 x 2 1/2 x 2		2.39	2.39	2.60	5.9
	65 x 65 x 50	60.7	60.7	66.0	2.7
2 1/2 x 2 1/2 x 1 1/2		2.16	2.16	2.51	5.1
	65 x 65 x 40	54.9	54.9	63.8	2.3
2 1/2 x 2 1/2 x 1 1/4		2.04	2.04	2.45	4.8
	65 x 65 x 32	51.8	51.8	62.2	2.2
2 1/2 x 2 1/2 x 1		1.87	1.87	2.37	4.5
	65 x 65 x 25	47.5	47.5	60.2	2.0
2 1/2 x 2 1/2 x 3/4		1.74	1.74	2.32	4.3
	65 x 65 x 20	44.2	44.2	58.9	2.0
2 1/2 x 2 1/2 x 1/2		1.63	1.63	2.23	4.0
	65 x 65 x 15	41.4	41.4	56.6	1.8
2 1/2 x 2 x 2 1/2		2.70	2.60	2.70	6.0
	65 x 50 x 65	68.6	66.0	68.6	2.7
2 1/2 x 2 x 2		2.39	2.25	2.60	5.2
	65 x 50 x 50	60.7	57.2	66.0	2.4
2 1/2 x 2 x 1 1/2		2.16	2.02	2.51	4.4
	65 x 50 x 40	54.9	51.3	63.8	2.0
2 1/2 x 2 x 1 1/4		2.04	1.90	2.45	4.3
	65 x 50 x 32	51.8	48.3	62.2	2.0
2 1/2 x 2 x 1		1.87	1.73	2.37	3.9
	65 x 50 x 25	47.5	43.9	60.2	1.8
2 1/2 x 2 x 3/4		1.74	1.60	2.32	3.6
	65 x 50 x 20	44.3	40.6	58.9	1.6
2 1/2 x 2 x 1/2		1.63	2.49	2.23	3.6
	65 x 50 x 15	41.4	37.8	56.6	1.6
2 1/2 x 1 1/2 x 2 1/2		2.70	2.51	2.70	5.8
	65 x 40 x 65	68.6	63.8	68.6	2.6
2 1/2 x 1 1/2 x 2		2.39	2.16	2.60	4.9
	65 x 40 x 50	60.7	54.9	66.0	2.2
2 1/2 x 1 1/2 x 1 1/2		2.16	1.94	2.51	4.2
	65 x 40 x 40	54.9	49.3	63.8	1.9
2 1/2 x 1 1/4 x 2 1/2		2.70	2.45	2.70	5.4
	65 x 32 x 65	68.6	62.2	68.6	2.4
2 1/2 x 1 1/4 x 2		2.39	2.10	2.60	5.0
	65 x 32 x 50	60.7	53.3	66.0	2.3
2 1/2 x 1 x 2 1/2		2.70	2.37	2.70	5.4
	65 x 25 x 65	68.6	60.7	68.6	2.4
2 1/2 x 3/4 x 2 1/2		2.70	2.32	2.70	5.1
	65 x 20 x 65	68.6	58.9	68.6	2.3
3 x 3 x 2 1/2		2.83	2.83	2.99	8.9
	80 x 80 x 65	71.9	71.9	76.0	4.0

INCHES	POUNDS
MILLIMETRES	KILOGRAMS

*Not covered by ANSI/ASME B16.4
 ^Refer to page 8 for method of identification.

CONTINUED ON PAGE 8...

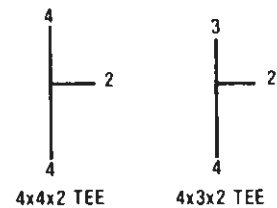
CLASS 125 CAST IRON THREADED REDUCING TEES...continued

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
3 x 3 x 2		2.52	2.52	2.89	7.8
	80 x 80 x 50	64.0	64.0	73.4	3.5
3 x 3 x 1 1/2		2.29	2.29	2.80	7.1
	80 x 80 x 40	58.2	58.2	71.1	3.2
3 x 3 x 1 1/4		2.17	2.17	2.74	6.8
	80 x 80 x 32	55.1	55.1	69.6	3.1
3 x 3 x 1		2.00	2.00	2.66	6.3
	80 x 80 x 25	50.8	50.8	67.6	2.9
3 x 3 x 3/4		1.87	1.87	2.61	6.1
	80 x 80 x 20	47.5	47.5	66.3	2.8
3 x 2 1/2 x 3		3.08	2.99	3.08	9.1
	80 x 65 x 80	78.3	76.0	78.2	4.1
3 x 2 1/2 x 2 1/2		2.83	2.70	2.99	7.7
	80 x 65 x 65	71.9	68.6	76.0	3.5
3 x 2 1/2 x 2		2.52	2.39	2.89	6.8
	80 x 65 x 50	64.0	60.7	73.4	3.1
3 x 2 1/2 x 1 1/2		2.29	2.16	2.80	6.2
	80 x 65 x 40	58.2	54.9	71.1	2.8
3 x 2 1/2 x 1 1/4		2.17	2.04	2.74	5.9
	80 x 65 x 32	55.1	51.8	69.6	2.7
3 x 2 1/2 x 1		2.00	1.87	2.66	5.5
	80 x 65 x 25	50.8	47.5	67.6	2.5
3 x 2 x 3		3.08	2.89	3.08	8.8
	80 x 50 x 80	78.2	73.4	78.2	4.0
3 x 2 x 2 1/2		2.83	2.60	2.99	7.1
	80 x 50 x 65	71.9	66.0	76.0	3.2
3 x 2 x 2		2.52	2.25	2.89	7.3
	80 x 50 x 50	64.0	57.2	73.4	3.3
3 x 2 x 1 1/2		2.29	2.02	2.80	6.8
	80 x 50 x 40	58.2	51.3	71.1	3.1
*3 x 2 x 1 1/4		2.19	2.06	2.75	6.8
	*80 x 50 x 32	55.6	52.3	69.9	3.1
3 x 1 1/2 x 3		3.08	2.80	3.08	8.1
	80 x 40 x 80	78.2	71.7	78.2	3.7
3 x 1 1/4 x 3		3.08	2.74	3.08	8.5
	80 x 32 x 80	78.2	69.6	78.2	3.9
3 x 1 x 3		3.08	2.66	3.08	8.3
	80 x 25 x 80	78.2	67.6	78.2	3.8
3 x 3/4 x 3		3.08	2.61	3.08	8.3
	80 x 20 x 80	78.2	66.3	78.2	3.8
3 1/2 x 3 1/2 x 3		3.18	3.18	3.33	12.0
	90 x 90 x 80	80.8	80.8	84.6	5.4
3 1/2 x 3 1/2 x 2 1/2		2.93	2.93	3.24	11.0
	90 x 90 x 65	74.4	74.4	82.3	5.0

SIZE		DIMENSIONS			APPROX. WEIGHT
NPS	DN	X	Y	Z	
3 1/2 x 3 1/2 x 2		2.62	2.62	3.14	10.0
	90 x 90 x 50	66.6	66.6	79.8	4.5
3 1/2 x 3 1/2 x 1 1/2		2.39	2.39	3.05	8.9
	90 x 90 x 40	60.7	60.7	77.5	4.0
3 1/2 x 3 1/2 x 1 1/4		2.27	2.27	2.99	8.6
	90 x 90 x 32	56.7	56.7	76.0	3.9
3 1/2 x 3 1/2 x 1		2.10	2.10	2.91	8.0
	90 x 90 x 25	53.3	54.3	73.9	3.6
3 1/2 x 3 x 2 1/2		2.93	2.83	3.24	10.0
	90 x 80 x 65	74.4	71.9	82.3	4.5
3 1/2 x 3 x 2		2.62	2.52	3.14	8.7
	90 x 80 x 50	66.6	64.0	79.8	3.9
3 1/2 x 3 x 1 1/2		2.39	2.29	3.05	8.3
	90 x 80 x 40	60.7	58.2	77.5	3.8
*3 1/2 x 3 x 1 1/4		2.25	2.19	3.00	7.8
	*90 x 80 x 32	57.2	55.6	76.2	3.5
3 1/2 x 2 x 3 1/2		3.42	3.14	3.42	13.0
		86.9	79.8	86.9	5.9

*Not covered by ANSI/ASME B16.4

IDENTIFICATION OF REDUCING TEES

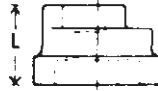
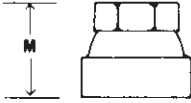


4x4x2 TEE

4x3x2 TEE

INCHES
MILLIMETRES

POUNDS
KILOGRAMS



CONCENTRIC REDUCING COUPLING

ECCENTRIC REDUCING COUPLING

CLASS 125 CAST IRON THREADED REDUCING COUPLINGS

ANSI/ASME B16.4
ASTM A126

CONCENTRIC REDUCING COUPLINGS			
SIZE		DIMENSION	APPROX. WEIGHT
NPS	DN	M	
3/4 x 1/2		1.59	.40
	20 x 15	38.1	.18
1 x 1/2		1.70	.54
	25 x 15	43.2	.24
1 x 3/4		1.70	.63
	25 x 20	43.2	.29

ECCENTRIC REDUCING COUPLINGS			
SIZE		DIMENSION	APPROX. WEIGHT
NPS	DN	*L	
1 1/4 x 3/4		2.13	.90
	32 x 20	54.0	.41
1 1/4 x 1		2.13	1.0
	32 x 25	54.0	.45
1 1/2 x 3/4		2.25	1.2
	40 x 20	57.2	.54
1 1/2 x 1		2.25	1.1
	40 x 25	57.2	.50
1 1/2 x 1 1/4		2.25	1.3
	40 x 32	57.2	.59
2 x 1		2.32	1.9
	50 x 25	59.0	.86
2 x 1 1/4		2.32	1.9
	50 x 32	59.0	.86
2 x 1 1/2		2.32	1.9
	50 x 40	59.0	.86

*Not covered by ANSI/ASME B16.4

Various data shown as complying with American National Standards Institute (ANSI) standards (ANSI B16.3, B16.4, B16.14, B16.39) contained in this catalogue are published by authorization of The American Society of Mechanical Engineers, New York, N.Y.

INCHES
MILLIMETRES

POUNDS
KILOGRAMS

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CATALOGUE SECTION 15