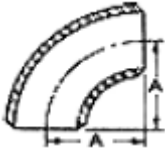
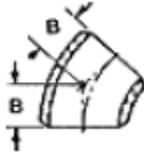


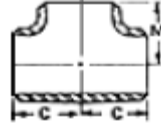
# Weld Fittings • Dimensional Specification



90° Elbow



45° Elbow



Tee



Cap

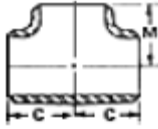
Nominal Pipe Size	90° Elbow		45° Elbow	Tee		Caps
	Long Rad.	Short Rad.	Long Rad.	C	M	E
	A	A	B			
1/2"	1.50	-	0.62	1.00	1.00	1.00
3/4"	1.50	-	0.75	1.12	1.12	1.00
1"	1.50	1.00	0.88	1.50	1.50	1.50
1-1/4"	1.88	1.25	1.00	1.88	1.88	1.50
1-1/2"	2.25	1.50	1.12	2.25	2.25	1.50
2"	3.00	2.00	1.38	2.50	2.50	1.50
2-1/2"	3.75	2.50	1.75	3.00	3.00	1.50
3"	4.50	3.00	2.00	3.38	3.38	2.00
3-1/2"	5.25	3.50	2.25	3.75	3.75	2.50
4"	6.00	4.00	2.50	4.12	4.12	2.50
5"	7.50	5.00	3.12	4.88	4.88	3.00
6"	9.00	6.00	3.75	5.62	5.62	3.50
8"	12.00	8.00	5.00	7.00	7.00	4.00
10"	15.00	10.00	6.25	8.50	8.50	5.00
12"	18.00	12.00	7.50	10.00	10.00	6.00
14"	21.00	14.00	8.70	11.00	11.00	6.50
16"	24.00	16.00	10.00	12.00	12.00	7.00
18"	27.00	18.00	11.25	13.50	13.50	8.00
20"	30.00	20.00	12.50	15.00	15.00	9.00
24"	36.00	24.00	15.00	17.00	17.00	10.50

All dimensions given in inches for common diameters and wall thickness.  
 Dimensions in accordance with ASME B16.9

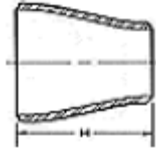
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# Weld Fittings • Dimensional Specification



Reducing Tee



Concentric Reducer



Eccentric Reducer

Nominal Pipe Size	Reducing Outlet Tees		Concentric & Eccentric Reducers	Nominal Pipe Size	Reducing Outlet Tees cont.		Concentric & Eccentric Reducers
	C	M	H		C	M	H
3/4" X 1/2"	1.12	1.12	1.50	6" X 2-1/2"	5.62	4.75	5.50
1" X 1/2"	1.50	1.50	2.00	6" X 3"	5.62	4.88	5.50
1" X 3/4"	1.50	1.50	2.00	6" X 4"	5.62	5.12	5.50
1-1/4" X 3/4"	1.88	1.88	2.00	6" X 5"	5.62	5.38	5.50
1-1/4" X 1"	1.88	1.88	2.00	8" X 4"	7.00	6.12	6.00
1-1/2" X 3/4"	2.25	2.25	2.50	8" X 5"	7.00	6.38	6.00
1-1/2" X 1"	2.25	2.25	2.50	8" X 6"	7.00	6.62	6.00
1-1/2" X 1-1/4"	2.25	2.25	2.50	10" X 6"	8.50	7.62	7.00
2" X 3/4"	2.50	1.75	3.00	10" X 8"	8.50	8.00	7.00
2" X 1"	2.50	2.00	3.00	12" X 6"	10.00	8.62	8.0
2" X 1-1/4"	2.50	2.25	3.00	12" X 8"	10.00	9.00	8.00
2" X 1-1/2"	2.50	2.38	3.00	12" X 10"	10.00	9.50	8.00
2-1/2" X 1"	3.00	2.25	3.50	14" X 8"	11.00	9.75	13.00
2-1/2" X 1-1/4"	3.00	2.50	3.50	14" X 10"	11.00	10.12	13.00
2-1/2" X 1-1/2"	3.00	2.62	3.50	14" X 12"	11.00	10.62	13.00
2-1/2" X 2"	3.00	2.75	3.50	16" X 10"	12.00	11.12	14.00
3" X 1-1/2"	3.38	2.88	3.50	16" X 12"	12.00	11.62	14.00
3" X 2"	3.38	3.00	3.50	16" X 14"	12.00	12.00	14.00
3" X 2-1/2"	3.38	3.25	3.50	18" X 12"	13.50	12.62	15.00
4" X 1-1/2"	4.12	3.38	4.00	18" X 14"	13.50	13.00	15.00
4" X 2"	4.12	3.50	4.00	18" X 16"	13.50	13.00	15.00
4" X 2-1/2"	4.12	3.75	4.00	20" X 16"	15.00	14.00	20.00
4" X 3"	4.12	3.88	4.00	20" X 18"	15.00	14.50	20.00
5" X 2-1/2"	4.88	4.25	5.00	24" X 16"	17.00	16.00	20.00
5" X 3"	4.88	4.38	5.00	24" X 18"	17.00	16.50	20.00
5" X 3-1/2"	4.88	4.50	5.00	24" X 20"	17.00	17.00	20.00
5" X 4"	4.88	4.62	5.00				

All dimensions given in inches for common diameters and wall thickness.  
Dimensions in accordance with ASME B16.9

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# Weld Fittings • Calculated Fittings Weights in Lbs.

## Approximate Weights

Nominal Pipe Size	90° Elbow				45° Elbow		Straight Tees		Caps	
	Long Rad.		Short Rad.		Long Rad.		STD	XS	STD	XS
	STD	XS	STD	XS	STD	XS				
1/2"	0.18	0.25	-	-	0.09	0.19	0.35	0.45	-	-
3/4"	0.18	0.25	-	-	0.09	0.19	0.45	0.60	-	-
1"	0.40	0.50	0.25	-	0.25	0.31	0.75	0.88	0.20	0.30
1-1/4"	0.60	0.90	0.40	-	0.38	0.50	1.30	1.60	0.30	0.40
1-1/2"	0.90	1.15	0.56	0.75	0.40	0.69	2.00	2.25	0.40	0.50
2"	1.60	2.20	1.00	1.50	0.81	1.19	3.50	4.00	0.60	0.75
2-1/2"	3.25	4.00	2.13	2.80	1.75	2.13	6.00	7.00	0.90	1.00
3"	5.00	6.50	3.00	4.25	2.63	3.50	7.00	8.50	1.50	1.75
3-1/2"	6.75	8.35	4.50	6.00	3.50	4.50	9.00	12.00	2.00	2.50
4"	9.00	13.50	6.25	8.50	4.50	6.10	12.00	15.80	2.50	3.00
5"	15.00	22.00	9.60	14.00	7.50	10.70	21.00	26.00	4.50	5.50
6"	24.50	35.00	18.00	23.00	12.0	17.50	34.00	40.00	6.50	9.00
8"	50.00	71.00	34.00	47.50	23.00	35.00	55.00	75.00	12.00	16.00
10"	88.00	107	58.00	70.00	43.00	53.00	85.00	105	20.00	25.00
12"	125	160	80.00	104	62.00	84.00	120	160	30.00	36.00
14"	160	205	105	140	80.00	100	165	240	36.00	45.00
16"	206	276	132	174	100	135	195	280	40.00	54.00
18"	260	340	167	219	126	167	249	332	54.00	72.00
20"	320	420	210	275	160	206	342	480	75.00	86.00
24"	460	600	298	392	238	300	528	610	96.00	130

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# Weld Fittings • Calculated Fittings Weights in Lbs.

## Approximate Weights

Nominal Pipe Size	Reducing Outlet Tees		Concentric & Eccentric Reducers		Nominal Pipe Size	Reducing Outlet Tees		Concentric & Eccentric Reducers	
	STD	XS	STD	XS		STD	XS	STD	XS
3/4" X 1/2"	0.50	0.50	0.17	0.22	6" X 2-1/2"	32.00	36.00	7.25	10.00
1" X 1/2"	0.88	1.00	0.40	0.45	6" X 3"	32.50	37.00	8.00	10.50
1" X 3/4"	0.93	1.00	0.40	0.45	6" X 4"	33.50	39.20	8.25	11.50
1-1/4" X 3/4"	1.50	1.75	0.40	0.50	6" X 5"	34.50	40.00	8.50	12.00
1-1/4" X 1"	1.50	1.75	0.50	0.50	8" X 4"	51.70	71.70	11.00	17.00
1-1/2" X 3/4"	2.13	2.50	0.54	0.70	8" X 5"	53.00	73.00	12.00	18.00
1-1/2" X 1"	2.18	2.50	0.62	0.75	8" X 6"	54.00	74.00	13.20	18.70
1-1/2" X 1-1/4"	2.25	2.50	0.70	0.75	10" X 6"	83.00	108	21.50	29.50
2" X 3/4"	3.25	4.00	0.70	1.00	10" X 8"	84.50	109	22.00	29.50
2" X 1"	3.50	4.10	0.76	1.10	12" X 6"	114	165	31.00	40.00
2" X 1-1/4"	3.60	4.13	0.84	1.15	12" X 8"	117	175	32.00	42.00
2" X 1-1/2"	3.75	4.25	0.90	1.20	12" X 10"	119	184	34.00	43.50
2-1/2" X 1"	5.00	7.00	1.25	1.75	14" X 8"	155	225	58.50	78.50
2-1/2" X 1-1/4"	5.25	7.06	1.25	1.85	14" X 10"	158	233	59.20	79.20
2-1/2" X 1-1/2"	5.50	7.13	1.38	1.90	14" X 12"	160	237	60.00	80.00
2-1/2" X 2"	6.00	7.19	1.50	2.00	16" X 10"	186	266	69.50	89.00
3" X 1-1/4"	6.15	7.60	1.60	2.40	16" X 12"	191	270	70.00	90.00
3" X 1-1/2"	6.25	7.50	1.70	2.50	16" X 14"	194	275	71.00	91.00
3" X 2"	6.50	8.00	1.80	2.60	18" X 12"	230	307	83.00	113
3" X 2-1/2"	6.75	8.25	2.00	2.75	18" X 14"	236	315	84.00	114
4" X 1-1/2"	11.25	15.20	2.88	4.00	18" X 16"	241	321	85.00	115
4" X 2"	11.15	15.50	3.00	4.25	20" X 16"	338	475	124	169
4" X 2-1/2"	11.30	15.00	3.25	4.38	20" X 18"	340	477	125	170
4" X 3"	11.60	15.20	3.38	4.50	24" X 16"	516	598	145	190
5" X 2-1/2"	19.50	24.00	5.25	7.00	24" X 18"	519	601	148	195
5" X 3"	20.00	24.50	5.50	7.50	24" X 20"	522	604	150	200
5" X 3-1/2"	20.50	25.00	5.75	7.75					
5" X 4"	21.00	25.50	6.00	8.25					

Matco-Norca is not responsible for any printing errors in the data contained herein. Although care was taken for proper representation, verification of all specifications is the sole responsibility of the customer.

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