150# MALLEABLE FITTINGS

Howell is your source both black and galvanized malleable iron pipe fittings!

- ASTM A197 Malleable Iron Material
- Galvanized fittings conform to ASTM A153
- Dimensions conform to ASME B16.3
- Unions conform to ASME B16.39
- Bushings Plugs and Locknuts conform to ASME B16.14
- NPT threads conform to ANSI/ASME B1.20.1



Manufactured in accordance with ISO 9001 and ISO 14001

Canadian Registration Numbers, CRN Registered

c UL us LISTED

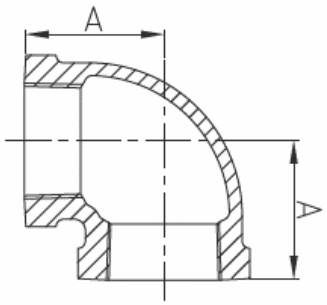
FM APPROVED

Design specifications may change without notice. Howell does not assume any responsibility for the consequences of any errors or changes.

150# MALLEABLE FITTINGS

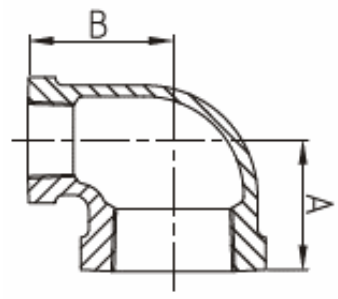
90° ELBOW				
Size	A MM	Packaging Ctn	Case	Weight KG
1/8	18	50	600	0.03
1/4	21	35	420	0.05
3/8	24	90	360	0.07
1/2	29	50	200	0.10
3/4	33	35	105	0.16
1	38	20	60	0.26
1-1/4	45	20	40	0.41
1-1/2	49	15	30	0.56
2	57	8	16	0.85
2-1/2	69	-	12	1.53
3	78	-	8	2.37
3-1/2	87	-	4	3.20
4	96	-	2	4.03
5	114	-	2	6.37
6	130	-	1	9.39





90° REDUCING ELBOW					
Size	A MM	B MM	Packaging Ctn	Case	Weight KG
1/4 x 1/8	19	19	40	480	0.04
3/8 x 1/4	22	23	90	360	0.06
3/8 x 1/8	21	22	105	420	0.05
1/2 x 3/8	26	26	60	240	0.08
1/2 x 1/4	25	25	60	240	0.07
1/2 x 1/8	15	6	60	240	0.06
3/4 x 1/2	31	31	40	160	0.14
3/4 x 3/8	29	29	40	160	0.12
3/4 x 1/4	27	27	40	160	0.10
3/4 x 1/8	20	6	40	160	0.10
1 x 3/4	35	37	50	100	0.22
1 x 1/2	32	36	25	100	0.19
1 x 3/8	30	32	25	100	0.16
1 x 1/4	27	31	25	100	0.15
1-1/4 x 1	40	42	10	40	0.34
1-1/4 x 3/4	37	41	15	60	0.29
1-1/4 x 1/2	34	39	20	80	0.25
1-1/4 x 3/8	32	37	45	90	0.23
1-1/2 x 1-1/4	46	48	15	30	0.47
1-1/2 x 1	42	46	10	40	0.41
1-1/2 x 3/4	39	45	10	40	0.34
1-1/2 x 1/2	35	42	15	60	0.30





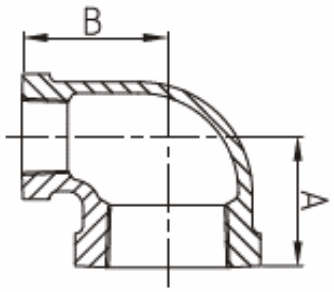
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150# MALLEABLE FITTINGS

90° REDUCING ELBOW

Size	A MM	B MM	Packaging Ctn	Packaging Case	Weight KG
2 x 1-1/2	51	55	10	20	0.71
2 x 1-1/4	48	53	10	20	0.62
2 x 1	44	51	14	28	0.57
2 x 3/4	41	50	9	36	0.49
2 x 1/2	38	48	10	40	0.43
2-1/2 x 2	61	66	6	12	1.15
2-1/2 x 1-1/2	55	64	6	12	1.00
2-1/2 x 1-1/4	51	60	8	16	0.95
2-1/2 x 1	46	59	8	16	0.85
2-1/2 x 3/4	42	57	10	20	0.75
2-1/2 x 1/2	65	15	10	20	0.70
3 x 2-1/2	72	76	4	8	1.87
3 x 2	64	73	4	8	1.56
3 x 1-1/2	58	72	4	8	1.37
3 x 1-1/4	55	70	5	10	1.30
3 x 1	50	68	6	12	1.12
4 x 3	84	91	1	2	3.02
4 x 2-1/2	78	90	1	2	2.63
4 x 2	69	87	2	4	2.28
4 x 1-1/2	62	85	2	4	2.25
4 x 1-1/4	60	85	4	8	1.30
6 x 4	102	125	-	1	6.53

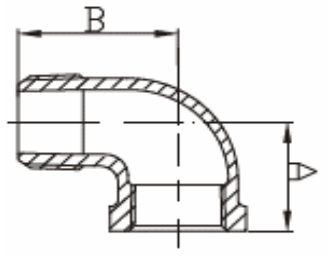




90° STREET ELBOW

Size	A MM	B MM	Packaging Ctn	Packaging Case	Weight KG
1/8	18	25	60	720	0.02
1/4	21	30	35	420	0.04
3/8	24	37	60	240	0.07
1/2	29	41	60	180	0.09
3/4	33	48	35	105	0.16
1	38	54	45	90	0.25
1-1/4	45	62	25	50	0.37
1-1/2	49	68	9	27	0.54
2	57	83	8	16	0.84
2-1/2	69	98	5	10	1.49
3	78	115	-	8	2.23
4	96	145	-	4	4.21





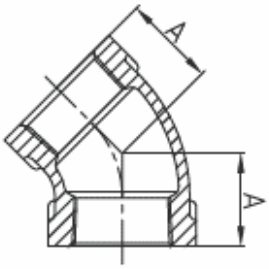
90° REDUCING STREET ELBOW

3/4 x 1/2	44	30	25	200	0.15
1 x 3/4	52	35	25	100	0.54
1-1/2 x 1	64	41	10	40	0.49

150# MALLEABLE FITTINGS

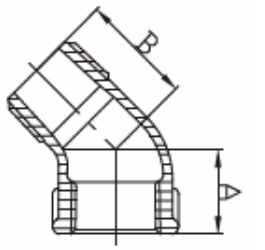
45° ELBOW				
Size	A MM	Packaging Ctn	Case	Weight KG
1/8	16	50	600	0.03
1/4	19	30	360	0.04
3/8	20	75	300	0.07
1/2	22	50	200	0.09
3/4	25	40	120	0.15
1	29	20	60	0.24
1-1/4	33	20	40	0.35
1-1/2	36	10	30	0.46
2	43	12	24	0.74
2-1/2	50	1	12	1.33
3	55	1	10	1.89
4	66	2	4	3.18
5	78	-	2	5.27
6	88	-	1	7.49





45° STREET ELBOW					
Size	A MM	B MM	Packaging Ctn	Case	Weight KG
1/8	16	21	70	840	0.02
1/4	19	24	40	480	0.04
3/8	20	26	100	400	0.05
1/2	22	29	75	225	0.08
3/4	25	33	40	120	0.13
1	29	37	25	75	0.20
1-1/4	33	43	10	40	0.32
1-1/2	36	48	10	30	0.41
2	43	56	12	24	0.68
2-1/2	50	65	6	12	1.19
3	55	76	3	6	1.77
4	66	94		4	3.16





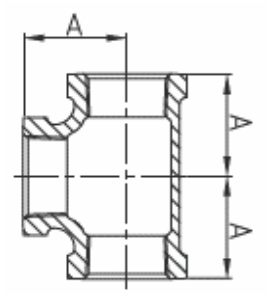
TEE				
Size	A MM	Packaging Ctn	Case	Weight KG
1/8	18	120	480	0.04
1/4	21	75	300	0.07
3/8	24	45	180	0.10
1/2	29	40	120	0.14
3/4	33	35	70	0.23
1	38	20	40	0.38
1-1/4	45	14	28	0.55



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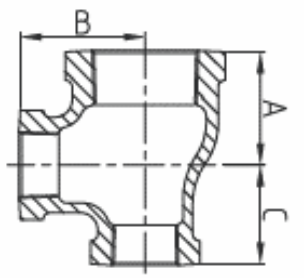
150# MALLEABLE FITTINGS

TEE				
Size	A MM	Packaging Ctn	Packaging Case	Weight KG
1-1/2	49	12	24	0.76
2	57	8	16	1.11
2-1/2	69	4	8	2.05
3	78	1	6	2.97
4	96	1	2	5.15
5	114	-	1	8.23
6	130	-	1	12.28



REDUCING TEE						
Size	A MM	B MM	C MM	Packaging Ctn	Packaging Case	Weight KG
1/4 x 1/4 x 1/8	19	19	19	25	300	0.06
3/8 x 3/8 x 1/8	22	23	22	90	360	0.08
3/8 x 3/8 x 1/4	22	23	22	60	240	0.09
3/8 x 3/8 x 1/2	22	23	22	40	160	0.11
3/8 x 1/4 x 1/4	22	24	22	15	30	0.19
1/2 x 1/2 x 3/8	22	23	22	40	160	0.13
1/2 x 1/2 x 1/4	26	26	26	40	160	0.11
1/2 x 1/2 x 1/8	25	25	25	40	160	0.11
1/2 x 3/8 x 1/2	22	23	22	30	120	0.13
1/2 x 1/4 x 1/2	22	23	22	40	160	0.12
1/2 x 1/2 x 3/4	25	25	25	30	120	0.18
1/2 x 1/2 x 1	26	26	26	25	100	0.22
3/4 x 3/4 x 1/2	27	27	27	20	80	0.20
3/4 x 3/4 x 3/8	38	34	33	25	100	0.18
3/4 x 3/4 x 1/4	31	31	31	25	100	0.17
3/4 x 1/2 x 1	31	31	29	18	72	0.26
3/4 x 1/2 x 3/4	35	32	35	20	80	0.21
3/4 x 1/2 x 1/2	31	31	31	25	100	0.18
3/4 x 3/4 x 1-1/4	31	31	31	20	60	0.35
3/4 x 3/4 x 1	29	29	29	40	80	0.29
1 x 1 x 3/4	35	37	35	12	48	0.31
1 x 1 x 1/2	32	36	32	15	60	0.29
1 x 1 x 3/8	30	32	30	15	60	0.27
1 x 1 x 1/4	28	31	28	20	80	0.25
1 x 3/4 x 1	32	36	32	30	60	0.34
1 x 3/4 x 3/4	38	38	36	15	60	0.28
1 x 3/4 x 1/2	32	36	32	20	80	0.26
1 x 1/2 x 1	32	36	29	15	60	0.31
1 x 1/2 x 3/4	41	37	41	20	80	0.27
1 x 1/2 x 1/2	37	35	37	20	80	0.23



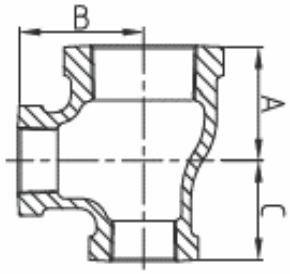


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150# MALLEABLE FITTINGS

REDUCING TEE						
Size	A	B	C	Packaging		Weight
	MM	MM	MM	Ctn	Case	KG
1 x 1 x 1-1/4	35	37	33	11	44	0.45
1 x 1 x 1-1/2	38	38	37	9	36	0.51
1 x 1 x 2	42	40	42	12	24	0.66
1-1/4 x 1-1/4 x 1	34	39	34	20	40	0.48
1-1/4 x 1-1/4 x 3/4	37	41	37	20	40	0.43
1-1/4 x 1-1/4 x 1/2	45	42	46	20	40	0.40
1-1/4 x 1-1/4 x 3/8	32	37	32	20	40	0.36
1-1/4 x 1-1/4 x 1/4	32	34	32	20	40	0.35
1-1/4 x 1 x 1-1/2	45	42	46	18	36	0.57
1-1/4 x 1 x 1-1/4	34	39	32	15	30	0.50
1-1/4 x 1 x 1	40	42	40	20	40	0.45
1-1/4 x 1x 3/4	40	42	38	20	40	0.39
1-1/4 x 1 x 1/2	45	45	41	20	40	0.34
1-1/4 x 3/4 x 1-1/4	40	43	37	20	40	0.45
1-1/4 x 3/4 x 1	40	42	37	10	40	0.40
1-1/4 x 3/4 x 3/4	34	42	34	10	40	0.34
1-1/4 x 3/4 x 1/2	40	42	35	10	40	0.36
1-1/4 x 1/2 x 1-1/4	35	38	29	20	40	0.43
1-1/4 x 1/2 x 1	34	42	34	20	40	0.37
1-1/4 x 1/2 x 3/4	51	49	51	25	50	0.31
1-1/4 x 1/2 x 1/2	46	42	46	25	50	0.29
1-1/4 x 1-1/4 x 1-1/2	37	41	37	12	24	0.62
1-1/4 x 1-1/4 x 2	40	42	40	12	24	0.77
1-1/2 x 1-1/2 x 1-1/4	46	48	46	15	30	0.52
1-1/2 x 1-1/2 x 1	42	46	42	12	24	0.65
1-1/2 x 1-1/2 x 3/4	39	45	39	15	30	0.52
1-1/2 x 1-1/2 x 1/2	36	42	36	18	36	0.49
1-1/2 x 1-1/2 x 3/8	34	39	34	18	36	0.47
1-1/2 x 1-1/4 x 2	55	52	54	8	16	0.84
1-1/2 x 1-1/4 x 1-1/2	49	49	48	12	24	0.60
1-1/2 x 1-1/4 x 1-1/4	46	48	45	12	24	0.60
1-1/2 x 1-1/4 x 1	42	46	40	12	24	0.55
1-1/2 x 1-1/4 x 3/4	39	45	36	12	24	0.47
1-1/2 x 1-1/4 x 1/2	36	42	34	12	24	0.44
1-1/2 x 1 x 1-1/2	49	49	46	12	24	0.62
1-1/2 x 1 x 1-1/4	46	48	46	12	24	0.56
1-1/2 x 1 x 1	42	46	38	15	30	0.51
1-1/2 x 1 x 3/4	49	46	38	15	30	0.46
1-1/2 x 1 x 1/2	40	20	15	15	30	0.41
1-1/2 x 3/4 x 1-1/2	49	49	45	12	24	0.59
1-1/2 x 3/4 x 1-1/4	46	48	41	12	24	0.55



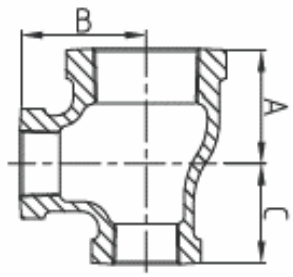


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150# MALLEABLE FITTINGS

REDUCING TEE						
Size	A	B	C	Packaging		Weight
	MM	MM	MM	Ctn	Case	KG
1-1/2 x 3/4 x 1	44	46	35	12	24	0.47
1-1/2 x 3/4 x 3/4	38	43	32	12	24	0.39
1-1/2 x 3/4 x 1/2	40	20	15	12	24	0.47
1-1/2 x 3/4 x 1/2	49	45	38	15	30	0.37
1-1/2 x 1/2 x 1	44	46	34	18	36	0.45
1-1/2 x 1/2 x 3/4	36	42	31	12	48	0.40
1-1/2 x 1/2 x 1/2	34	42	27	12	48	0.34
1-1/2 x 1-1/2 x 2	55	51	55	8	16	0.77
1-1/2 x 1-1/2 x 2-1/2	62	55	62	8	16	0.90
2 x 2 x 1-1/2	51	55	51	8	16	0.97
2 x 2 x 1-1/4	48	53	48	8	16	0.90
2 x 2 x 1	44	51	44	10	20	0.82
2 x 2 x 3/4	41	50	41	10	20	0.76
2 x 2 x 1/2	38	48	38	10	20	0.70
2 x 1-1/2 x 2	57	57	55	8	16	1.02
2 x 1-1/2 x 1-1/2	51	55	49	8	16	0.85
2 x 1-1/2 x 1-1/4	51	53	51	8	16	0.80
2 x 1-1/2 x 1	44	51	42	10	20	0.72
2 x 1-1/2 x 3/4	40	49	38	10	20	0.66
2 x 1-1/2 x 1/2	38	48	36	10	20	0.62
2 x 1-1/4 x 2	57	57	53	8	16	0.98
2 x 1-1/4 x 1-1/2	51	55	48	8	16	0.82
2 x 1-1/4 x 1-1/4	48	53	45	8	16	0.74
2 x 1-1/4 x 1	40	51	44	8	16	0.66
2 x 1 x 2	57	57	51	8	16	0.94
2 x 1 x 1-1/2	51	55	46	10	20	0.78
2 x 1 x 1	44	51	38	12	24	0.64
2 x 3/4 x 2	57	57	50	8	16	0.91
2 x 3/4 x 3/4	41	49	34	12	24	0.53
2 x 1/2 x 2	57	57	48	8	16	0.93
2 x 2 x 2-1/2	66	61	66	6	12	1.48
2-1/2 x 2-1/2 x 2	61	66	61	4	8	1.66
2-1/2 x 2-1/2 x 1-1/2	55	64	55	5	10	1.50
2-1/2 x 2-1/2 x 1-1/4	52	62	52	5	10	1.40
2-1/2 x 2-1/2 x 1	48	60	48	5	10	1.33
2-1/2 x 2-1/2 x 3/4	44	59	44	6	12	1.21
2-1/2 x 2-1/2 x 1/2	41	57	41	6	12	1.19
2-1/2 x 2 x 2-1/2	69	69	66	4	8	1.76
2-1/2 x 2 x 2	61	66	57	5	10	1.48
2-1/2 x 1-1/2 x 2-1/2	69	69	64	4	8	1.72
2-1/2 x 1-1/2 x 2	61	66	61	5	10	1.34



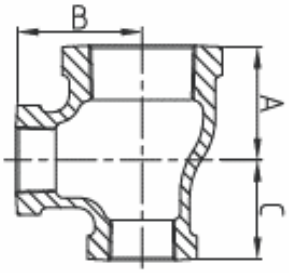


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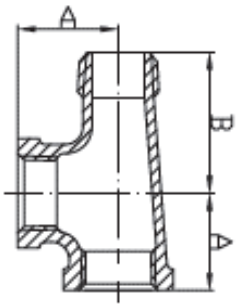
150# MALLEABLE FITTINGS

REDUCING TEE						
Size	A	B	C	Packaging		Weight
	MM	MM	MM	Ctn	Case	KG
3 x 3 x 2-1/2	72	76	72	3	6	2.58
3 x 3 x 2	64	73	64	3	6	2.28
3 x 3 x 1-1/2	58	71	58	3	6	2.02
3 x 3 x 1-1/4	55	70	55	3	6	1.94
3 x 3 x 1	51	68	51	3	6	1.83
3 x 3 x 3/4	48	66	48	3	6	1.73
3 x 3 x 1/2	42	64	42	4	8	1.66
3 x 2 x 2	64	73	57	4	8	1.86
4 x 4 x 3	84	91	84	1	2	4.32
4 x 4 x 2-1/2	78	89	78	1	3	3.95
4 x 4 x 2	70	87	70	1	3	3.51
4 x 4 x 1-1/2	64	84	64	2	4	3.24
4 x 4 x 1-1/4	60	84	60	2	4	3.15
4 x 4 x 1	56	82	56	2	4	3.02
4 x 4 x 3/4	53	79	53	2	4	2.85
4 x 4 x 1/2	50	79	50	2	4	2.69
6 x 6 x 4	105	126	105	1	1	9.66
6 x 6 x 3	93	121	93	1	1	8.77





STREET TEE					
Size	A	B	Packaging		Weight
	MM	MM	Ctn	Case	KG
1/2	29	41	40	160	0.14
3/4	33	48	25	75	0.23
1	38	54	20	40	0.35
1-1/4	45	62	15	30	0.54
1-1/2	49	68	10	20	0.77
2	57	83	8	16	1.13



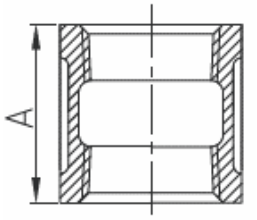
COUPLING				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1/8	24	70	840	0.02
1/4	27	40	480	0.04
3/8	30	40	480	0.06
1/2	34	60	240	0.08
3/4	39	50	150	0.13
1	42	25	100	0.20
1-1/4	49	16	64	0.31
1-1/2	55	18	36	0.42
2	64	12	24	0.63



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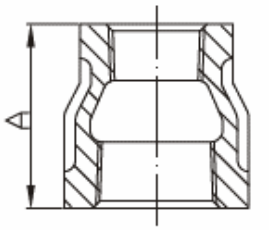
150# MALLEABLE FITTINGS

COUPLING				
Size	A MM	Packaging Ctn	Case	Weight KG
2-1/2	73	8	16	1.07
3	81	1	12	1.53
4	94	3	6	2.54
5	95	1	2	3.81
6	105	-	2	5.36



REDUCING COUPLING				
Size	A MM	Packaging Ctn	Case	Weight KG
1/4 x 1/8	25	50	600	0.03
3/8 x 1/4	29	30	360	0.05
3/8 x 1/8	29	35	420	0.04
1/2 x 3/8	32	60	240	0.07
1/2 x 1/4	32	75	300	0.06
1/2 x 1/8	32	75	300	0.06
3/4 x 1/2	37	60	180	0.11
3/4 x 3/8	37	45	180	0.10
3/4 x 1/4	37	45	180	0.09
3/4 x 1/8	37	70	210	0.08
1 x 3/4	43	25	100	0.18
1 x 1/2	43	30	120	0.16
1 x 3/8	43	30	120	0.14
1 x 1/4	43	45	135	0.13
1-1/4 x 1	52	15	60	0.27
1-1/4 x 3/4	52	25	75	0.24
1-1/4 x 1/2	52	25	75	0.22
1-1/4 x 3/8	52	25	75	0.21
1-1/2 x 1-1/4	59	12	48	0.37
1-1/2 x 1	59	25	50	0.34
1-1/2 x 3/4	59	15	60	0.31
1-1/2 x 1/2	59	20	60	0.28
1-1/2 x 3/8	59	30	60	0.29
1-1/2 x 1/4	59	35	70	0.26
2 x 1-1/2	71	9	27	0.56
2 x 1-1/4	71	9	27	0.51
2 x 1	71	12	36	0.47
2 x 3/4	71	12	36	0.44
2 x 1/2	71	12	36	0.45
2 x 3/8	71	12	36	0.45



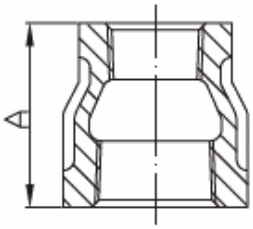


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150# MALLEABLE FITTINGS

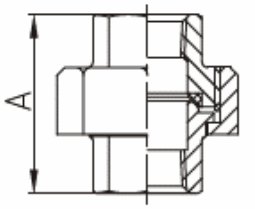
REDUCING COUPLING				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
2-1/2 x 2	83	7	14	0.96
2-1/2 x 1-1/2	83	7	14	0.86
2-1/2 x 1-1/4	83	10	20	0.82
2-1/2 x 1	83	10	20	0.80
2-1/2 x 3/4	83	10	20	0.77
2-1/2 x 1/2	83	10	20	0.74
3 x 2-1/2	94	5	10	1.43
3 x 2	94	6	12	1.26
3 x 1-1/2	94	6	12	1.23
3 x 1-1/4	94	6	12	1.16
3 x 1	94	6	12	1.13
3 x 3/4	94	7	14	1.11
4 x 3	111	3	6	2.47
4 x 2-1/2	111	3	6	2.19
4 x 2	111	3	6	1.97
4 x 1-1/2	111	3	6	1.92
4 x 1-1/4	111	3	6	1.88
4 x 1	111	3	6	1.82
5 x 4	122	2	6	3.95
6 x 5	105	1	2	4.93
6 x 4	105	1	2	4.56
6 x 3	105	1	2	4.25
6 x 2	105	2	4	4.08





GJ UNION - BRASS SEAT				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1/8	32	60	240	0.07
1/4	37	20	240	0.10
3/8	41	40	160	0.15
1/2	44	50	100	0.18
3/4	50	35	70	0.26
1	53	20	40	0.38
1-1/4	58	15	30	0.54
1-1/2	61	10	20	0.78
2	70	6	12	0.98
2-1/2	82	4	8	1.70
3	89	4	8	2.12
4	98	2	4	3.81

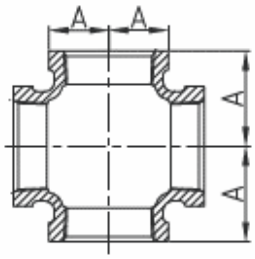




150# MALLEABLE FITTINGS

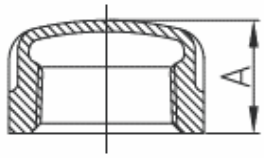
CROSS				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1/8	18	30	360	0.05
1/4	21	60	240	0.08
3/8	24	50	150	0.12
1/2	29	30	90	0.17
3/4	33	20	60	0.27
1	38	15	30	0.42
1-1/4	45	10	20	0.68
1-1/2	49	8	16	0.85
2	57	5	10	1.33
2-1/2	69	3	6	2.37
3	78	2	4	3.31
4	96	1	2	5.72





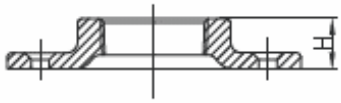
CAP				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1/8	14	120	1,440	0.01
1/4	16	80	960	0.02
3/8	19	60	720	0.03
1/2	22	12	36	0.05
3/4	25	40	160	0.08
1	30	25	100	0.14
1-1/4	33	20	80	0.20
1-1/2	34	18	54	0.25
2	37	12	36	0.40
2-1/2	43	20	40	0.71
3	46	1	24	1.00
4	53	6	12	1.73
5	59	2	5	2.71
6	65	2	2	4.19





FLOOR FLANGE				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1/4	12	30	90	0.09
3/8	14	25	75	0.11
1/2	14	25	50	0.16
3/4	16	15	45	0.22
1	17	15	30	0.29
1-1/4	19	10	30	0.37
1-1/2	22	8	24	0.51
2	25	8	16	0.70

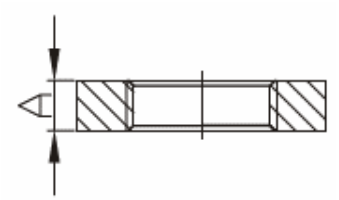




150# MALLEABLE FITTINGS

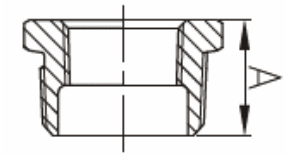
LOCKNUT				
Size	A MM	Packaging Ctn	Case	Weight KG
1/8	6	50	200	0.01
1/4	8	50	200	0.02
3/8	10	50	200	0.04
1/2	15	50	150	0.06
3/4	20	50	100	0.08
1	25	25	50	0.14
1-1/4	32	25	200	0.21
1-1/2	40	15	120	0.24
2	50	25	100	0.40
2-1/2	65	20	40	0.45
3	80	20	40	0.50
4	100	5	10	1.08





REDUCING BUSHING				
Size	A MM	Packaging Ctn	Case	Weight KG
1/4 x 1/8	15	120	1,440	0.02
3/8 x 1/4	16	75	900	0.02
3/8 x 1/8	16	75	900	0.02
1/2 x 3/8	19	150	600	0.03
1/2 x 1/4	19	150	600	0.04
1/2 x 1/8	19	150	600	0.04
3/4 x 1/2	22	75	300	0.05
3/4 x 3/8	22	75	300	0.06
3/4 x 1/4	22	75	300	0.07
3/4 x 1/8	22	75	300	0.07
1 x 3/4	26	50	200	0.08
1 x 1/2	26	50	200	0.09
1 x 3/8	27	50	200	0.09
1 x 1/4	27	50	200	0.09
1 x 1/8	27	50	200	0.09
1-1/4 x 1	27	30	120	0.13
1-1/4 x 3/4	27	30	120	0.14
1-1/4 x 1/2	29	30	120	0.15
1-1/4 x 3/8	29	30	120	0.13
1-1/4 x 1/4	29	30	120	0.14
1-1/2 x 1-1/4	29	25	75	0.14
1-1/2 x 1	29	25	75	0.15
1-1/2 x 3/4	31	25	75	0.15
1-1/2 x 1/2	31	25	75	0.16
1-1/2 x 3/8	31	25	75	0.16



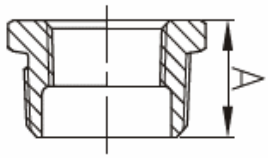


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150# MALLEABLE FITTINGS

REDUCING BUSHING				
Size	A	Packaging		Weight
	MM	Ctn	Case	KG
1-1/2 x 1/4	31	25	75	0.17
1-1/2 x 1/8	31	25	75	0.20
2 x 1-1/2	31	20	60	0.28
2 x 1-1/4	31	20	60	0.34
2 x 1	33	20	60	0.28
2 x 3/4	33	20	60	0.27
2 x 1/2	33	20	60	0.24
2 x 3/8	33	20	60	0.24
2 x 1/4	33	20	60	0.25
2-1/2 x 2	38	15	30	0.50
2-1/2 x 1-1/2	38	15	30	0.52
2-1/2 x 1-1/4	38	15	30	0.47
2-1/2 x 1	38	15	30	0.47
2-1/2 x 3/4	38	15	30	0.45
2-1/2 x 1/2	38	15	30	0.41
3 x 2-1/2	39	12	24	0.83
3 x 2	41	12	24	0.86
3 x 1-1/2	41	12	24	0.74
3 x 1-1/4	41	12	24	0.70
3 x 1	41	12	24	0.64
3 x 3/4	41	12	24	0.64
3 x 1/2	41	12	24	0.60
3-1/2 x 3	41	8	16	0.90
4 x 3-1/2	44	8	16	1.37
4 x 3	44	5	10	1.28
4 x 2-1/2	46	5	10	1.35
4 x 2	46	5	10	1.18
4 x 1-1/2	46	5	10	1.17
4 x 1-1/4	46	5	10	1.25
4 x 1	46	5	10	1.18
4 x 3/4	46	5	10	1.01
5 x 4	46	2	4	2.02
5 x 3	46	2	4	2.00
5 x 2	46	2	4	1.94
6 x 5	52	2	4	3.26
6 x 4	55	2	4	3.08
6 x 3	55	2	4	2.79
6 x 2-1/2	55	2	4	2.92
6 x 2	55	2	4	2.45

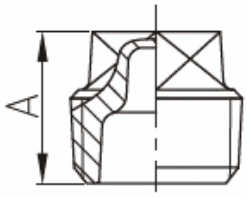




150# MALLEABLE FITTINGS

CORED PLUGS				
Size	A MM	Packaging Ctn	Case	Weight KG
1/2	24	50	600	0.04
3/4	27	30	360	0.06
1	32	20	240	0.09
1-1/4	35	40	120	0.14
1-1/2	37	30	90	0.19
2	40	20	60	0.29
2-1/2	46	16	32	0.47
3	49	16	32	0.72
3-1/2	53	6	12	1.06
4	65	6	12	1.19
5	65	5	10	1.64
6	72	1	8	2.91





SOLID PLUG				
Size	A MM	Packaging Ctn	Case	Weight KG
1/8	16	400	480	0.01
1/4	18	150	1,800	0.02
3/8	20	100	1,200	0.02
1/2	24	50	600	0.04
3/4	27	34	408	0.08
1	32	17	204	0.14
1-1/4	35	30	120	0.24
1-1/2	37	30	90	0.34
2	40	18	54	0.55
2-1/2	46	16	32	0.92
3	49	10	20	1.49
4	65	5	10	2.82



