

TECHNICAL INFORMATION



Logo marking:



#150

BLACK & GALVANIZED MALLEABLE IRON PIPE FITTINGS

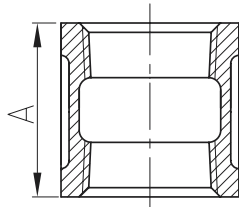




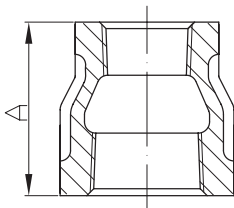
Logo marking:



Materials: ASTM A197 / A197M
Dimensions: Fittings ASME B16.3, B16.14
Unions B16.39
Threads: ASME B1.20.1 - NPT



COUPLINGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35001	36001	1/8	24.2	0.024
35002	36002	1/4	26.9	0.038
35003	36003	3/8	29.5	0.056
35004	36004	1/2	34.0	0.080
35005	36005	3/4	38.6	0.126
35006	36006	1	42.4	0.197
35007	36007	1 1/4	49.0	0.296
35008	36008	1 1/2	54.6	0.387
35009	36009	2	64.3	0.629
35010	36010	2 1/2	73.2	1.066
35011	36011	3	80.8	1.528
35012	36012	4	93.7	2.541
35013	-	5	95.0	3.810
35014	36014	6	105.0	5.361



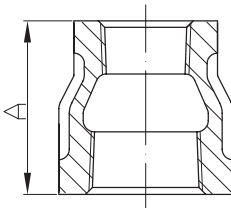
REDUCING COUPLINGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35015	36015	1/4 x 1/8	25.4	0.031
35016	36016	3/8 x 1/4	28.7	0.048
35017	36017	3/8 x 1/8	28.7	0.049
35019	36019	1/2 x 3/8	31.8	0.067
35020	36020	1/2 x 1/4	31.8	0.061
35021	36021	1/2 x 1/8	31.8	0.066
35023	36023	3/4 x 1/2	36.6	0.111
35024	36024	3/4 x 3/8	36.6	0.098
35025	36025	3/4 x 1/4	36.6	0.092
35026	36026	3/4 x 1/8	36.6	0.082
35027	36027	1 x 3/4	42.9	0.175
35028	36028	1 x 1/2	42.9	0.158
35029	36029	1 x 3/8	42.9	0.138
35030	36030	1 x 1/4	42.9	0.130
35031	36031	1 1/4 x 1	52.3	0.267
35032	36032	1 1/4 x 3/4	52.3	0.244
35033	36033	1 1/4 x 1/2	52.3	0.224
35034	36034	1 1/4 x 3/8	52.3	0.225
35063	-	1 1/4 x 1/4	52.3	0.224
35035	36035	1 1/2 x 1 1/4	58.7	0.371
35036	36036	1 1/2 x 1	58.7	0.342
35037	36037	1 1/2 x 3/4	58.7	0.309
35038	36038	1 1/2 x 1/2	58.7	0.279
35039	-	1 1/2 x 3/8	58.7	0.292
35080	-	1 1/2 x 1/4	58.7	0.292
35040	36040	2 x 1 1/2	71.4	0.563
35041	36041	2 x 1 1/4	71.4	0.512
35042	36042	2 x 1	71.4	0.468
35043	36043	2 x 3/4	71.4	0.442
35044	36044	2 x 1/2	71.4	0.452
35045	-	2 x 3/8	71.4	0.430



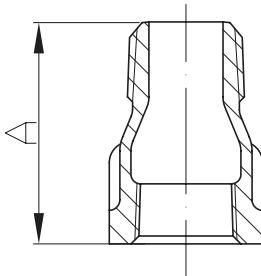
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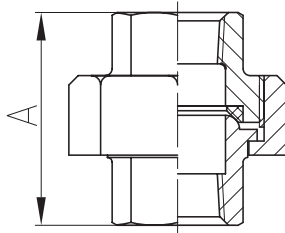
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 Unions B16.39
 Threads: ASME B1.20.1 - NPT



...REDUCING COUPLINGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35046	36046	2 1/2 x 2	82.6	0.961
35047	36047	2 1/2 x 1 1/2	82.6	0.865
35048	36048	2 1/2 x 1 1/4	82.6	0.825
35049	36049	2 1/2 x 1	82.6	0.803
35050	-	2 1/2 x 3/4	82.6	0.750
35083	-	2 1/2 x 1/2	82.6	0.740
35051	36051	3 x 2 1/2	93.7	1.432
35052	36052	3 x 2	93.7	1.263
35053	36053	3 x 1 1/2	93.7	1.228
35054	36054	3 x 1 1/4	93.7	1.160
35055	36055	3 x 1	93.7	1.130
35056	36056	4 x 3	111.3	2.477
35057	36057	4 x 2 1/2	111.3	2.191
35058	36058	4 x 2	111.3	1.972
35059	36059	4 x 1 1/2	111.3	1.916
35060	36060	4 x 1 1/4	111.3	1.881
35070	-	6 x 4	105.0	4.557



EXTENSION PIECES				
BLACK	GALV.	SIZE	A (mm)	Kg
35084	36084	1/2	43.0	0.055
-	36085	3/4	48.0	0.103

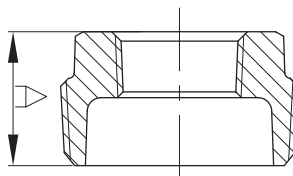
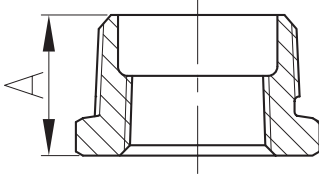


UNIONS (BRASS TO IRON)				
BLACK	GALV.	SIZE	A (mm)	Kg
35101	36101	1/8	32.0	0.072
35102	36102	1/4	36.5	0.098
35103	36103	3/8	41.0	0.144
35104	36104	1/2	43.5	0.173
35105	36105	3/4	49.5	0.253
35106	36106	1	52.5	0.368
35107	36107	1 1/4	57.5	0.519
35108	36108	1 1/2	61.0	0.751
35109	36109	2	70.0	0.944
35110	36110	2 1/2	82.0	1.652
35111	36111	3	89.0	2.065
35112	36112	4	98.0	3.711



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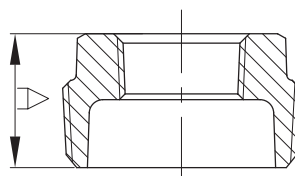
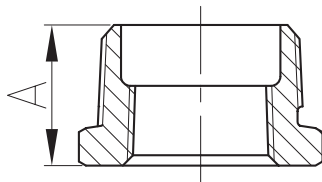


M x F HEX. BUSHINGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35115	36115	1/4 x 1/8	14.8	0.015
35116	36116	3/8 x 1/4	16.3	0.017
35117	36117	3/8 x 1/8	16.3	0.049
35119	36119	1/2 x 3/8	19.0	0.025
35120	36120	1/2 x 1/4	19.0	0.036
35121	36121	1/2 x 1/8	19.0	0.039
35123	36123	3/4 x 1/2	21.6	0.051
35124	36124	3/4 x 3/8	21.6	0.061
35125	36125	3/4 x 1/4	21.6	0.065
35126	36126	3/4 x 1/8	21.6	0.068
35127	36127	1 x 3/4	25.5	0.083
35128	36128	1 x 1/2	25.5	0.101
* 35129	36129	1 x 3/8	25.5	0.091
* 35130	36130	1 x 1/4	25.5	0.095
* 35131	-	1 x 1/8	25.5	0.097
35132	36132	1 1/4 x 1	27.4	0.126
35133	36133	1 1/4 x 3/4	27.4	0.166
* 35134	36134	1 1/4 x 1/2	27.4	0.146
* 35169	36169	1 1/4 x 3/8	27.4	0.132
* 35170	36170	1 1/4 x 1/4	27.4	0.139
35136	36136	1 1/2 x 1 1/4	29.0	0.140
35137	36137	1 1/2 x 1	29.0	0.205
* 35138	36138	1 1/2 x 3/4	29.0	0.197
* 35139	36139	1 1/2 x 1/2	29.0	0.177
* 35179	36179	1 1/2 x 3/8	29.0	0.160
* 35180	36180	1 1/2 x 1/4	29.0	0.168
* 35181	36181	1 1/2 x 1/8	29.0	0.168
35140	36140	2 x 1 1/2	31.0	0.279
35141	36141	2 x 1 1/4	32.8	0.336
* 35142	36142	2 x 1	32.8	0.280
* 35143	36143	2 x 3/4	32.8	0.266
* 35144	36144	2 x 1/2	32.8	0.237
* 35145	36145	2 x 3/8	32.8	0.240
35182	36182	2 x 1/4	32.8	0.248
35146	36146	2 1/2 x 2	36.6	0.500
35147	36147	2 1/2 x 1 1/2	38.4	0.517
* 35148	36148	2 1/2 x 1 1/4	38.4	0.474
* 35149	36149	2 1/2 x 1	38.4	0.472
* 35150	36150	2 1/2 x 3/4	38.4	0.447
* 35191	36191	2 1/2 x 1/2	38.4	0.411
35151	36151	3 x 2 1/2	38.9	0.827
35152	36152	3 x 2	40.9	0.857
* 35153	36153	3 x 1 1/2	40.9	0.741
* 35154	36154	3 x 1 1/4	40.9	0.696
* 35155	36155	3 x 1	40.9	0.645
* 35171	-	3 x 3/4	40.9	0.665
* 35172	-	3 x 1/2	40.9	0.603

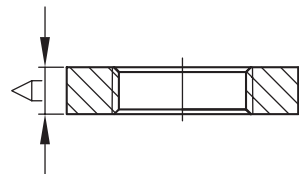


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 Unions B16.39
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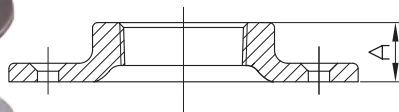
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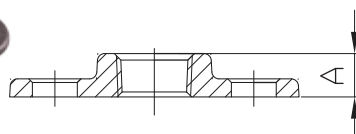
...M x F HEX. BUSHINGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35193	36193	3 1/2 x 3	41.5	0.899
35194	-	3 1/2 x 2 1/2	41.5	0.910
35195	36195	3 1/2 x 2	41.5	1.000
* 35196	36196	3 1/2 x 1 1/2	41.5	1.000
35198	-	3 1/2 x 1	41.5	0.950
35156	36156	4 x 3	43.7	1.277
* 35157	36157	4 x 2 1/2	46.2	1.353
* 35158	36158	4 x 2	46.2	1.178
* 35159	36159	4 x 1 1/2	46.2	1.165
* 35160	36160	4 x 1 1/4	46.2	1.246
35161	36161	4 x 1	46.2	1.180
35197	-	5 x 4	46.0	2.018
35167	36164	6 x 5	51.6	3.270
35165	36165	6 x 4	54.7	3.084
35166	36166	6 x 3	54.7	2.793
* 35162	-	6 x 2 1/2	54.7	2.793
* 35168	36168	6 x 2	54.7	3.180



LOCKNUTS				
BLACK	GALV.	SIZE	A (mm)	Kg
35632	36632	1/8	4.8	0.020
35633	36633	1/4	6.4	0.020
35634	36634	3/8	7.1	0.026
35635	36635	1/2	7.9	0.037
35636	36636	3/4	8.6	0.064
35637	36637	1	9.7	0.089
35638	36638	1 1/4	10.7	0.117
35639	36639	1 1/2	11.9	0.184
35651	36651	2	13.5	0.020



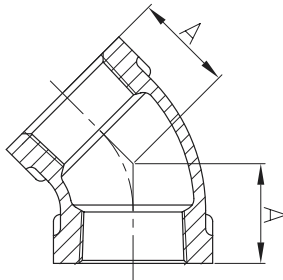
FLOOR FLANGES				
BLACK	GALV.	SIZE	A (mm)	Kg
-	36702	1/4	12.0	0.150
35703	36703	3/8	14.0	0.270
35704	36704	1/2	14.0	0.161
35705	36705	3/4	16.0	0.224
35706	36706	1	17.0	0.289
35707	36707	1 1/4	19.0	0.378
35708	36708	1 1/2	22.0	0.506
35709	36709	2	25.0	0.703



WASTE NUT				
BLACK	GALV.	SIZE	A (mm)	Kg
-	36804	1/2	12.0	0.050
-	36805	3/4	13.0	0.060



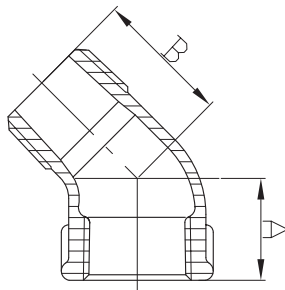
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 Unions B16.39
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45° ELBOWS

BLACK	GALV.	SIZE	A (mm)	Kg
35201	36201	1/8	16.0	0.033
35202	36202	1/4	18.5	0.052
35203	36203	3/8	20.3	0.071
35204	36204	1/2	22.4	0.091
35205	36205	3/4	24.9	0.149
35206	36206	1	28.5	0.237
35207	36207	1 1/4	32.8	0.352
35208	36208	1 1/2	36.3	0.458
35209	36209	2	42.7	0.743
35210	36210	2 1/2	49.5	1.328
35211	36211	3	55.1	1.891
35215	36215	3 1/2	60.7	2.260
35212	36212	4	66.3	3.183
35213	-	5	77.5	6.002
35214	36214	6	87.9	7.487



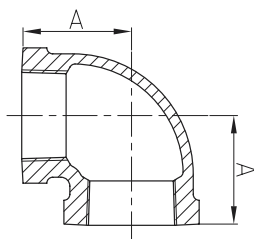
(M x F) STREET 45° ELBOWS

BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35271	36271	1/8	16.0	21.0	0.023
35272	36272	1/4	18.5	23.9	0.059
35273	36273	3/8	20.3	26.2	0.060
35274	36274	1/2	22.4	29.2	0.079
35275	36275	3/4	24.9	32.8	0.128
35276	36276	1	28.5	37.3	0.205
35277	36277	1 1/4	32.8	43.4	0.322
35278	36278	1 1/2	36.3	47.8	0.415
35279	36279	2	42.7	56.4	0.683
35280	-	2 1/2	49.5	65.3	1.194
35281	36281	3	55.1	76.2	1.773
35283	36283	4	66.3	94.0	3.160

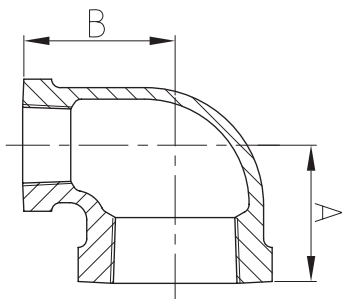


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 Unions B16.39
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Logo marking:



90° ELBOWS				
BLACK	GALV.	SIZE	A (mm)	Kg
35301	36301	1/8	17.5	0.040
35302	36302	1/4	20.6	0.046
35303	36303	3/8	24.1	0.068
35304	36304	1/2	28.5	0.101
35305	36305	3/4	33.3	0.163
35306	36306	1	38.1	0.259
35307	36307	1 1/4	44.5	0.409
35308	36308	1 1/2	49.3	0.561
35309	36309	2	57.2	0.846
35310	36310	2 1/2	68.6	1.528
35311	36311	3	78.2	2.370
-	36300	3 1/2	87.3	3.290
35312	36312	4	96.3	4.030
35313	36313	5	114.3	6.374
35314	36314	6	130.3	9.393

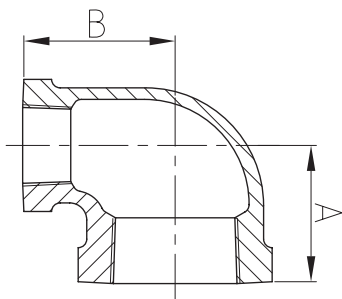


REDUCING 90° ELBOWS					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35315	36315	1/4 x 1/8	18.8	19.3	0.044
35316	36316	3/8 x 1/4	22.4	22.9	0.058
35317	-	3/8 x 1/8	20.5	21.6	0.048
35319	36319	1/2 x 3/8	26.4	26.2	0.083
35320	36320	1/2 x 1/4	24.6	24.9	0.074
35321	36321	1/2 x 1/8	22.0	23.0	0.064
35323	36323	3/4 x 1/2	30.5	31.0	0.140
35324	36324	3/4 x 3/8	28.5	28.7	0.116
35325	36325	3/4 x 1/4	26.7	27.4	0.100
35326	36326	3/4 x 1/8	26.0	27.0	0.097
35327	36327	1 x 3/4	34.8	36.8	0.224
35328	36328	1 x 1/2	32.0	35.5	0.188
35329	36329	1 x 3/8	30.0	32.3	0.163
35330	-	1 x 1/4	27.0	31.0	0.150
35331	36331	1 1/4 x 1	40.1	42.4	0.344
35332	36332	1 1/4 x 3/4	36.8	41.2	0.293
35333	36333	1 1/4 x 1/2	34.0	38.9	0.254
35335	36335	1 1/2 x 1 1/4	46.2	47.8	0.468
35336	36336	1 1/2 x 1	41.9	45.7	0.409
35337	36337	1 1/2 x 3/4	38.6	44.5	0.342
35338	36338	1 1/2 x 1/2	35.0	41.5	0.297
35340	36340	2 x 1 1/2	51.3	54.9	0.708
35341	36341	2 x 1 1/4	48.3	53.3	0.618
35342	36342	2 x 1	43.9	51.3	0.568
35343	36343	2 x 3/4	40.6	50.0	0.487
35344	36344	2 x 1/2	37.5	47.5	0.432

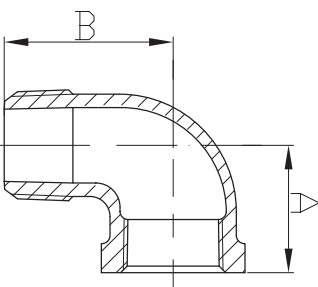


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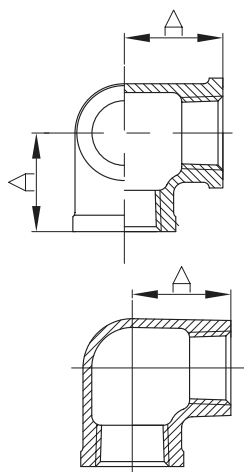
Logo marking:



...REDUCING 90° ELBOWS					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35346	36346	2 1/2 x 2	60.7	66.0	1.148
35347	36347	2 1/2 x 1 1/2	54.9	63.8	1.001
35348	-	2 1/2 x 1 1/4	50.5	60.0	0.952
35349	-	2 1/2 x 1	46.0	58.7	0.851
35350	-	2 1/2 x 3/4	42.0	57.0	0.800
35370	-	2 1/2 x 1/2	41.0	57.0	0.701
35351	36351	3 x 2 1/2	71.9	75.9	1.871
35352	36352	3 x 2	64.0	73.4	1.564
35353	36353	3 x 1 1/2	58.0	72.0	1.371
35356	-	4 x 3	83.8	91.4	2.320
35359	-	4 x 2 1/2	78.0	90.0	2.633
35358	-	4 x 2	69.0	87.0	2.281



(M x F) STREET 90° ELBOWS					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35371	36371	1/8	17.5	25.4	0.024
35372	36372	1/4	20.6	30.2	0.044
35373	36373	3/8	24.1	36.6	0.068
35374	36374	1/2	28.5	41.2	0.094
35375	36375	3/4	33.3	48.0	0.157
35376	36376	1	38.1	54.4	0.245
35377	36377	1 1/4	44.5	62.2	0.369
35378	36378	1 1/2	49.3	68.3	0.535
35379	36379	2	57.2	82.8	0.837
35380	36380	2 1/2	68.6	98.0	1.485
35381	36381	3	78.2	114.6	2.228
35382	36382	4	96.3	144.5	4.179
-	36384	6	130.3	204.0	9.393

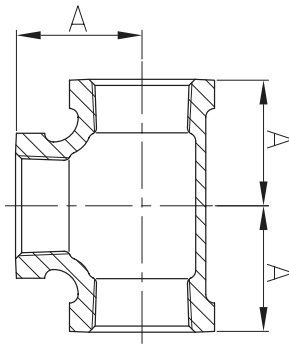


90° LATERAL SIDE OUTLET ELBOWS				
BLACK	GALV.	SIZE	A (mm)	Kg
-	36394	1/2	28.0	0.110
-	36395	3/4	33.0	0.210
-	36396	1	38.0	0.259
-	36397	1 1/4	45.0	0.409
-	36398	1 1/2	50.0	0.561
-	36399	2	58.0	0.846

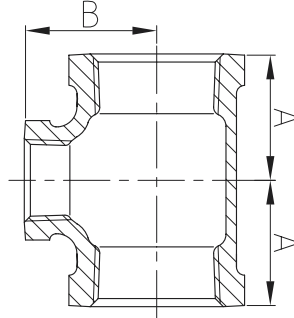


Materials: ASTM A197 / A197M
 Dimensions: Fittings ASME B16.3, B16.14
 Unions B16.39
 Threads: ASME B1.20.1 - NPT

Logo marking:



TEES				
BLACK	GALV.	SIZE	A (mm)	Kg
35401	36401	1/8	17.5	0.042
35402	36402	1/4	20.6	0.066
35403	36403	3/8	24.1	0.097
35404	36404	1/2	28.5	0.144
35405	36405	3/4	33.3	0.234
35406	36406	1	38.1	0.377
35407	36407	1 1/4	44.5	0.553
35408	36408	1 1/2	49.3	0.761
35409	36409	2	57.2	1.113
35410	36410	2 1/2	68.6	2.045
35411	36411	3	78.2	2.969
-	36415	3 1/2	87.3	4.274
35412	36412	4	96.3	5.154
35413	36413	5	114.3	8.230
35414	36414	6	130.3	12.277

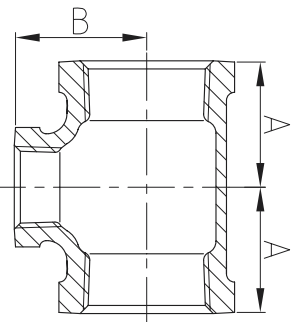


REDUCING TEES (ON BRANCH)					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35523	-	1/4 x 1/4 x 1/8	18.8	19.3	0.044
35417	36417	3/8 x 3/8 x 1/4	22.4	22.9	0.088
35421	36421	1/2 x 1/2 x 3/8	26.4	26.2	0.125
35422	36422	1/2 x 1/2 x 1/4	24.6	24.9	0.111
35423	-	1/2 x 1/2 x 1/8	22.0	23.0	0.110
35429	36429	3/4 x 3/4 x 1/2	30.5	31.0	0.205
35434	36434	3/4 x 3/4 x 3/8	28.5	28.7	0.182
35428	36428	3/4 x 3/4 x 1/4	26.7	24.7	0.165
35438	36438	1 x 1 x 3/4	34.8	36.8	0.315
35440	36440	1 x 1 x 1/2	32.0	35.5	0.290
35439	36439	1 x 1 x 3/8	30.0	32.3	0.269
35441	36441	1 x 1 x 1/4	28.2	31.0	0.250
35453	36453	1 1/4 x 1 1/4 x 1	40.1	42.4	0.479
35454	36454	1 1/4 x 1 1/4 x 3/4	38.6	42.2	0.431
35455	36455	1 1/4 x 1 1/4 x 1/2	34.0	38.9	0.400
35527	-	1 1/4 x 1 1/4 x 3/8	32.0	36.6	0.359
35471	36471	1 1/2 x 1 1/2 x 1 1/4	46.2	47.8	0.654
35472	36472	1 1/2 x 1 1/2 x 1	41.9	45.7	0.600
35473	36473	1 1/2 x 1 1/2 x 3/4	38.6	44.5	0.524
35474	36474	1 1/2 x 1 1/2 x 1/2	35.8	42.2	0.490
35494	36494	2 x 2 x 1 1/2	51.3	54.9	0.971
35495	36495	2 x 2 x 1 1/4	48.3	53.3	0.904
35496	36496	2 x 2 x 1	43.9	51.3	0.816
35497	36497	2 x 2 x 3/4	40.6	50.0	0.758
35498	36498	2 x 2 x 1/2	37.9	40.6	0.701
35499	-	2 x 2 x 3/8	36.0	46.0	0.680
35570	36570	2 1/2 x 2 1/2 x 2	60.7	66.0	1.658
35571	36571	2 1/2 x 2 1/2 x 1 1/2	54.9	63.8	1.496
35572	36572	2 1/2 x 2 1/2 x 1 1/4	51.8	62.2	1.403
35573	36573	2 1/2 x 2 1/2 x 1	47.5	60.2	1.327
35574	36574	2 1/2 x 2 1/2 x 3/4	44.2	58.9	1.212
35575	36575	2 1/2 x 2 1/2 x 1/2	41.0	57.0	1.191

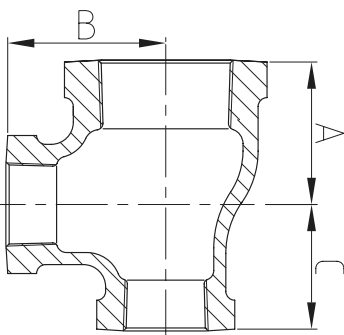


Materials: ASTM A197 / A197M
 Dimensions: Fittings ASME B16.3, B16.14
 Unions B16.39
 Threads: ASME B1.20.1 - NPT

Logo marking:



...REDUCING TEES (ON BRANCH)					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35580	36580	3 x 3 x 2 1/2	71.9	76.0	2.585
35581	36581	3 x 3 x 2	64.0	73.4	2.276
35582	36582	3 x 3 x 1 1/2	58.2	71.1	2.024
35583	36583	3 x 3 x 1 1/4	55.1	69.6	1.936
35584	36584	3 x 3 x 1	50.8	67.6	1.833
35585	-	3 x 3 x 3/4	71.9	76.0	1.729
35588	36588	4 x 4 x 3	83.8	91.4	4.321
35589	36589	4 x 4 x 2 1/2	77.5	89.2	3.947
35590	36590	4 x 4 x 2	69.6	86.6	3.511
35592	36592	4 x 4 x 1 1/4	60.0	84.0	4.830
35593	36593	4 x 4 x 1	56.0	82.0	3.017

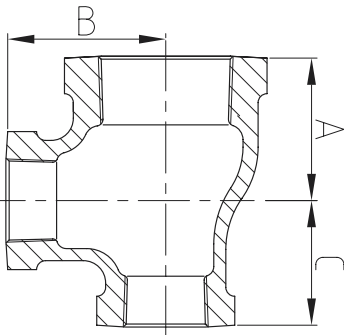


REDUCING TEES (ON RUN)						
BLACK	GALV.	SIZE	A (mm)	B (mm)	C (mm)	Kg
35430	36430	3/4 x 1/2 x 3/4	3.3	33.3	31.0	0.208
35432	-	3/4 x 1/2 x 1	38.0	34.0	33.0	0.263
35433	36433	3/4 x 1/2 x 1/2	30.5	31.0	28.5	0.179
-	36435	3/4 x 1/4 x 3/4	33.3	33.3	27.4	0.179
35442	36442	1 x 3/4 x 1	38.1	38.1	36.8	0.337
35443	36443	1 x 3/4 x 3/4	34.8	36.8	33.3	0.285
35445	36445	1 x 3/4 x 1/2	32.0	35.5	30.5	0.255
35448	36448	1 x 1/2 x 1	38.1	38.1	36.8	0.313
35449	36449	1 x 1/2 x 3/4	34.8	36.8	31.0	0.268
35450	36450	1 x 1/2 x 1/2	32.0	35.5	28.5	0.232
35456	-	1 1/4 x 1 x 1 1/2	44.5	49.3	45.7	0.560
35457	36457	1 1/4 x 1 x 1 1/4	44.5	44.5	42.4	0.500
35458	36458	1 1/4 x 1 x 1	40.4	42.4	38.1	0.446
35459	36459	1 1/4 x 1 x 3/4	36.8	41.2	34.8	0.389
35460	36460	1 1/4 x 1 x 1/2	34.0	38.9	32.0	0.343
35461	36461	1 1/4 x 3/4 x 1 1/4	44.5	44.5	41.2	0.454
35462	36462	1 1/4 x 3/4 x 1	40.1	42.4	36.8	0.397
35463	-	1 1/4 x 3/4 x 3/4	36.8	41.2	33.3	0.339
35464	-	1 1/4 x 3/4 x 1/2	40.0	42.5	37.0	0.356
35465	36465	1 1/4 x 1/2 x 1 1/4	44.5	44.5	38.9	0.431
35466	-	1 1/4 x 1/2 x 1	40.1	42.4	34.5	0.370
35467	-	1 1/4 x 1/2 x 3/4	35.0	38.0	29.0	0.308
35468	-	1 1/4 x 1/2 x 1/2	34.0	38.0	27.0	0.287
35469	36469	1 1/2 x 1 1/4 x 2	55.0	51.5	53.5	0.838
35475	36475	1 1/2 x 1 1/4 x 1 1/2	49.3	49.3	47.8	0.658
35476	36476	1 1/2 x 1 1/4 x 1 1/4	46.2	47.8	44.5	0.602
35477	36477	1 1/2 x 1 1/4 x 1	41.9	45.7	40.1	0.552
35478	36478	1 1/2 x 1 1/4 x 3/4	38.6	44.5	36.3	0.470
35479	36479	1 1/2 x 1 1/4 x 1/2	35.8	42.2	34.0	0.444
35480	-	1 1/2 x 1 x 1 1/2	49.3	49.3	45.7	0.616
35481	-	1 1/2 x 1 x 1 1/4	45.0	47.0	41.5	0.559
35482	36482	1 1/2 x 1 x 1	41.9	45.7	38.1	0.508
35483	36483	1 1/2 x 1 x 3/4	40.0	43.0	35.0	0.458
35484	36484	1 1/2 x 1 x 1/2	27.0	41.0	32.0	0.410

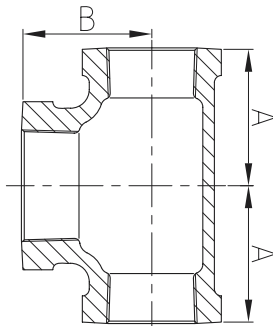


Materials: ASTM A197 / A197M
 Dimensions: Fittings ASME B16.3, B16.14
 Unions B16.39
 Threads: ASME B1.20.1 - NPT

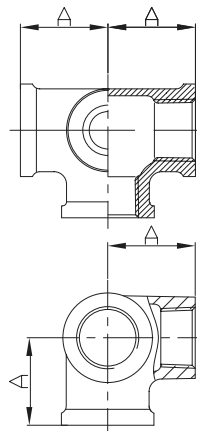
Logo marking:



...REDUCING TEES (ON RUN)						
BLACK	GALV.	SIZE	A (mm)	B (mm)	C (mm)	Kg
35485	36485	1 1/2 x 3/4 x 1 1/2	49.3	49.3	44.5	0.586
35486	36486	1 1/2 x 3/4 x 1 1/4	46.0	48.0	41.0	0.553
35487	36487	1 1/2 x 3/4 x 1	44.0	46.0	35.0	0.553
35488	-	1 1/2 x 3/4 x 3/4	38.0	43.0	32.0	0.392
35490	36490	1 1/2 x 1/2 x 1 1/2	49.3	49.3	42.2	0.563
35492	36492	1 1/2 x 1/2 x 1	44.0	46.0	34.0	0.448
35530	36530	2 x 1 1/2 x 2	57.2	57.2	54.8	1.023
35531	36531	2 x 1 1/2 x 1 1/2	51.3	54.9	49.3	0.855
35532	36532	2 x 1 1/2 x 1 1/4	48.3	53.3	46.2	0.801
35533	36533	2 x 1 1/2 x 1	43.9	51.3	41.9	0.720
35534	36534	2 x 1 1/2 x 3/4	39.5	49.0	37.5	0.655
-	36535	2 x 1 1/2 x 1/2	38.0	48.0	36.0	0.623
35540	-	2 x 1 1/4 x 2	57.2	57.2	53.3	0.980
35541	36541	2 x 1 1/4 x 1 1/2	51.3	54.9	47.8	0.817
35542	36542	2 x 1 1/4 x 1 1/4	48.3	53.3	44.5	0.745
35543	-	2 x 1 1/4 x 1	40.0	51.0	44.0	0.661
35550	36550	2 x 1 x 2	57.2	57.2	51.3	0.939
35551	-	2 x 1 x 1 1/2	51.3	54.9	45.7	0.800
35553	36553	2 x 1 x 1	44.0	51.0	38.0	0.636
35560	36560	2 x 3/4 x 2	57.2	57.2	50.0	0.907
35562	-	2 x 3/4 x 3/4	41.0	49.0	32.0	0.529
35561	36561	2 x 1/2 x 2	57.2	57.2	47.8	0.927
35577	-	2 1/2 x 3/4 x 2 1/2	67.0	67.0	58.5	1.740
35578	-	2 1/2 x 2 x 2 1/2	68.6	68.6	66.0	1.910
35576	-	2 1/2 x 2 x 2	60.7	66.0	57.2	1.450



REDUCING TEES (BULLHEAD)					
BLACK	GALV.	SIZE	A (mm)	B (mm)	Kg
35419	36419	1/2 x 1/2 x 1	34.6	32.0	0.224
35420	36420	1/2 x 1/2 x 3/4	31.0	30.5	0.178
35427	36427	3/4 x 3/4 x 1	36.8	34.8	0.288
35435	36435	1 x 1 x 2	51.3	48.9	0.661
35436	36436	1 x 1 x 1 1/2	45.7	41.9	0.510
35437	36437	1 x 1 x 1 1/4	42.4	40.1	0.446
35451	36451	1 1/4 x 1 1/4 x 1 1/2	47.8	46.2	0.618
35452	-	1 1/4 x 1 1/4 x 2	53.3	48.3	0.771
35470	36470	1 1/2 x 1 1/2 x 2	54.9	51.3	0.897
35493	-	2 x 2 x 2 1/2	66.0	60.7	1.479

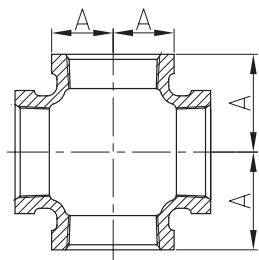


LATERAL SIDE OUTLET TEES				
BLACK	GALV.	SIZE	A (mm)	Kg
35594	36594	1/2	28.0	0.167
35595	36595	3/4	33.0	0.260
35596	36596	1	38.0	0.406
35597	36597	1 1/4	45.0	0.639
35598	36598	1 1/2	50.0	0.847
35599	36599	2	58.0	1.289

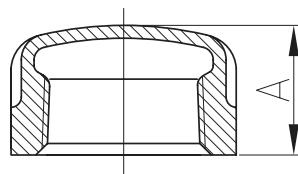


Materials: ASTM A197 / A197M
Dimensions: Fittings ASME B16.3, B16.14
Unions B16.39
Threads: ASME B1.20.1 - NPT

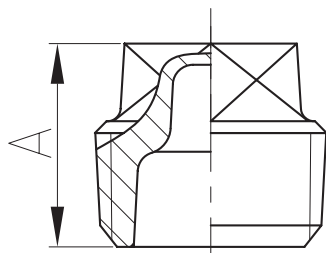
Logo marking:



CROSSES				
BLACK	GALV.	SIZE	A (mm)	Kg
35621	-	1/8	17.5	0.050
35622	36622	1/4	20.6	0.080
35623	36623	3/8	24.1	0.117
35624	36624	1/2	28.5	0.171
35625	36625	3/4	33.3	0.275
35626	36626	1	38.1	0.424
35627	36627	1 1/4	44.5	0.684
35628	36628	1 1/2	49.3	0.853
35629	36629	2	57.2	1.332
35630	36630	2 1/2	68.6	2.368
35631	36631	3	78.2	3.305
35620	36620	4	96.3	5.719

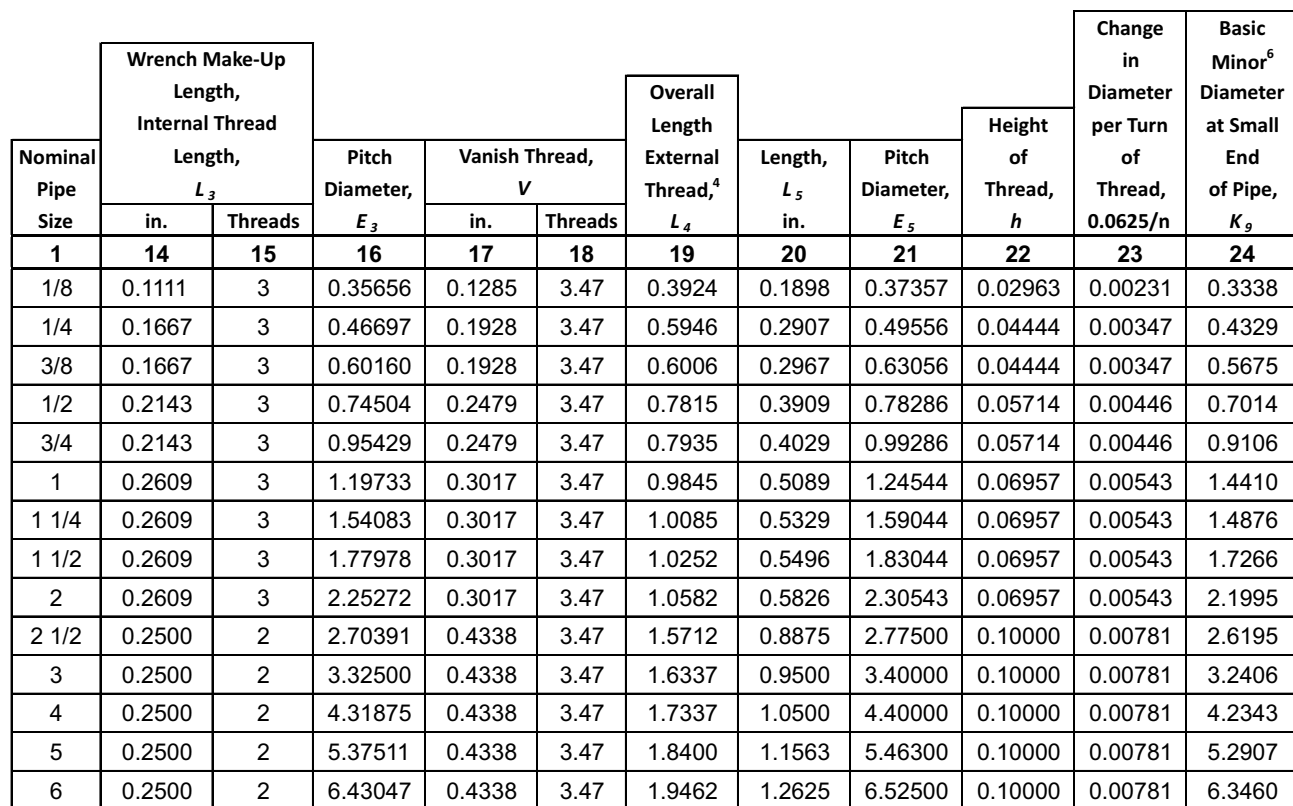


CAPS				
BLACK	GALV.	SIZE	A (mm)	Kg
35501	36501	1/8	13.5	0.014
35502	36502	1/4	16.0	0.022
35503	36503	3/8	18.8	0.035
35504	36504	1/2	22.1	0.051
35505	36505	3/4	24.6	0.083
35506	36506	1	29.5	0.139
35507	36507	1 1/4	32.5	0.204
35508	36508	1 1/2	33.8	0.251
35509	36509	2	36.8	0.428
35510	36510	2 1/2	43.2	0.712
35511	36511	3	45.7	1.002
35512	36512	4	52.8	1.729
35513	36513	5	58.9	2.709
35514	36514	6	64.8	4.193



PLUGS				
BLACK	GALV.	SIZE	A (mm)	Kg
35601	36601	1/8	15.5	0.007
35602	36602	1/4	18.3	0.013
35603	36603	3/8	20.1	0.022
35604	36604	1/2	23.9	0.037
35605	36605	3/4	27.2	0.059
35606	36606	1	31.8	0.087
35607	36607	1 1/4	34.5	0.143
35608	36608	1 1/2	36.9	0.189
35609	36609	2	39.7	0.292
35610	36610	2 1/2	46.0	0.471
35611	36611	3	49.0	0.722
35612	36612	4	64.5	1.185
35613	36613	5	68.0	3.600
35614	36614	6	71.5	2.980





NOTES:

- (1) Also length of L1 ring gage and length from gaging notch to small end of L1 plug gage.
- (2) Also pitch diameter at gaging notch of L1 plug gage (hand-tight plane).
- (3) Also threaded length of L1 plug gage.
- (4) Reference dimension.
- (5) The length L5 from the end of the pipe determines the plane beyond which the thread form is incomplete at the crest. The next two threads are complete at the root. At this plane, the cone formed by the crests of the thread intersects the cylinder forming the external surface of the pipe ($L5 \geq L2 - 2P$).
- (6) Given as information for use in selecting tap drills (see Nonmandatory Appendix B).



Logo marking:



Materials: ASTM A197 / A197M
 Dimensions: Fittings ASME B16.3, B16.14
 Unions B16.39
 Threads: ASME B1.20.1 - NPT

Certifications:

FM: * Note below *
 UL: ASME B16.14 & ASME B16.3
 IAPMO: Drinking Water NSF/ANSI/CAN 61
 Lead Content NSF/ANSI/CAN 372
 CRN: OA4288.5
 VERITAS: ISO 9001
 ISO 14001

Note: Most but not all products represented in this document are FM Approved.
 For listing/approval details and limitations, please contact your
 Sales Representative or visit <https://www.approvalguide.com>

Pressure/Temperature Rating

Temperature		Class #150 psig
°F	°C	
-20~150	-29~66	300
200	93	265
250 ¹	121 ¹	225
300	149	185
350 ¹	177 ¹	150

¹ Permissible for service temperature up to 366 °F/186 °C,
 reflecting the temperature of saturated steam at 150 psig.

Please note that although products are designed using the ASME B16.3 standard which have a pressure rating of 300 psi, FM approval is only for up to 175 psi and there are no temperature range requirements specified by the FM1920 standard.