

Malleable Iron Pipe Fittings

BS Standard

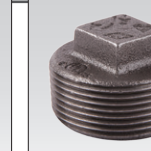
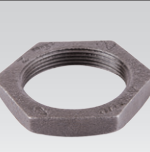
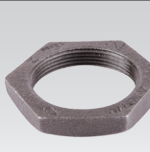
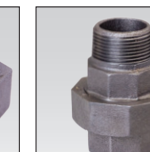
Material: BS EN 1562

Dimensions: BS EN 10242

Threads: ISO 7-1

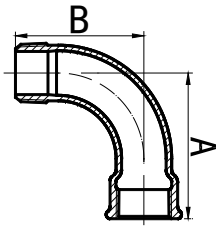
Size Available: 1/8" - 6"

W

 1# Bend 90°, M/F	 1#F Bend 90°, M/F	 1A Short Bend 90°, M/F	 1AF Short Bend 90°, M/F	 2# Bend 90°, female	 2A Short Bend 90°, female	 2AF Short Bend 90°, female	 270 Parallel Thread Socket	 280 Hexagon Nipple	 291 Plain Plug	 291LM Plain Plug	 291N Countersunk Plug	 291S Solid Plug	 300 Cap
 3# Bend 90°, male	 40 Bend 45°, M/F	 40F Bend 45°, M/F	 41 Bend 45°, female	 85 Crossover	 90 Elbow, 90°	 90R Reducing Elbow, 90°	 310 Locknut	 312 Backnut	 321-4 Flange Bs4504	 321-6 Flange 1600/4	 321-H Flange	 321P Flange	 321PW Flange
 92 Street Elbow, 90°	 92R Reducing Street Elbow, 90°	 95 Union Elbow F/F	 96 Union Elbow F/F	 97 Union Elbow M/F	 98 Union Elbow M/F	 120 Elbow, 45°	 321TD Flange	 330 Flat Seat Union	 330D Flat Seat Union	 331 Flat Seat Union M/F	 340 Conical Joint Union	 340Q Deflection Union	 341 Conical Joint Union M/F
 121 Street Elbow, 45°	 130 Tee	 130R Reducing Tee	 130R Reducing Tee	 130R Reducing Tee	 130R Reducing Tee	 130R Reducing Tee	 342 Conical Joint Union	 342A Double Bronze Navy Union	 526 Long Adapter M/F	 529A Long Extension Piece	 529X Short Extension Piece	 1221 Side Outlet Elbow	 1223 Side Outlet Tee
 131 Pitcher Tee	 131R Reducing Pitcher Tee	 134 Service Tee	 134R Reducing Service Tee	 165 Lateral Y Branche, 45°	 180 Cross	 180R Reducing Cross	 1224 Side Outlet Cross	 LAA Coupling Luck F/F	 LAF Coupling Luck M/F	 LCC Long Compression Coupling	 SCC Short Compression Coupling	 TCC Compression Tee	
 220 Socket	 220S Socket R/L	 240 Reducing Socket	 241 Bushing	 241D Bushing	 245 Reducing Hexagon Nipple	 246 Reducing Socket M/F							

1#

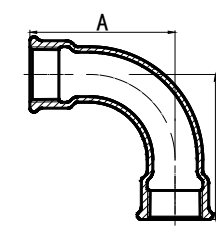
Bend 90°, M/F



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	35	40	48	55	69	85	105
	B	32	36	42	48	60	75	95
Size	Inch	1 1/2	2	2 1/2	3	4	6	
	mm	40	50	65	80	100	150	
Dim. (mm)	A	116	140	176	205	260	365	
	B	105	130	165	190	245	345	

2#

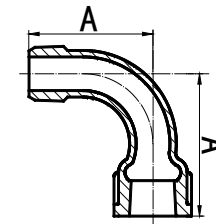
Bend 90°, female



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	40	48	55	69	85	105
Size	Inch	1 1/2	2	2 1/2	3	4	
	mm	40	50	65	80	100	
Dim. (mm)	A	116	140	176	205	260	

1#F

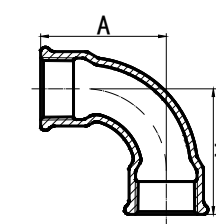
Bend 90°, M/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	52	65	82	100	115	140
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	175	205	260			

2A

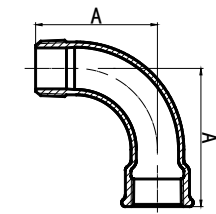
Short bend 90°, female



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	45	50	63	76	85	102
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	115	138	167			

1A

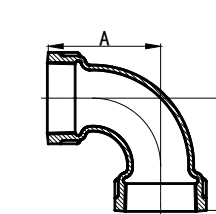
Short Bend 90°, M/F



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	30	36	45	50	63	76
Size	Inch	1 1/2	2	2 1/2	3	4	
	mm	40	50	65	80	100	
Dim. (mm)	A	85	102	115	138	167	

2AF

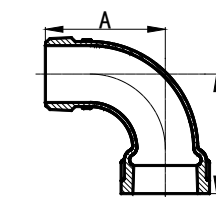
Short bend 90°, female



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	30	36	45	50	63	76
Size	Inch	1 1/2	2	2 1/2	3		
	mm	40	50	65	80		
Dim. (mm)	A	85	102	113	138		

1AF

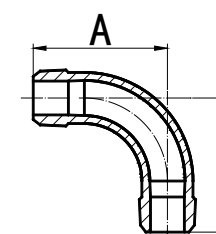
Short Bend 90°, M/F



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	30	36	45	50	63	76
Size	Inch	1 1/2	2	2 1/2			
	mm	40	50	65			
Dim. (mm)	A	85	102	115			

3#

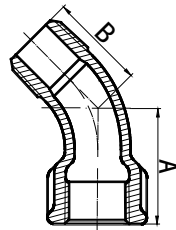
Bend 90°, male



Size	Inch	3/8	1/2	3/4	1	1 1/4	1 1/2
	mm	10	15	20	25	32	40
Dim. (mm)	A	42	48	60	75	95	105
Size	Inch	2	2 1/2	3	4		
	mm	50	65	80	100		
Dim. (mm)	A	130	165	190	245		

40

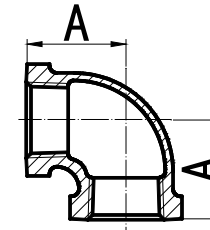
Bend 45°, M/F



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	26	30	36	43	51	64
	B	21	24	30	36	42	54
Size	Inch	1 1/2	2	2 1/2	3	4	6
	mm	40	50	65	80	100	150
Dim. (mm)	A	68	81	99	113	142	197
	B	58	70	86	100	126	176

90

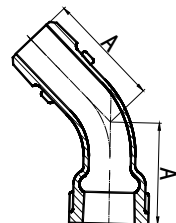
Elbow, 90°



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	19	21	25	28	33	38	45
Size	Inch	1 1/2	2	2 1/2	3	4	5	6
	mm	40	50	65	80	100	125	150
Dim. (mm)	A	50	58	69	78	96	115	131

40F

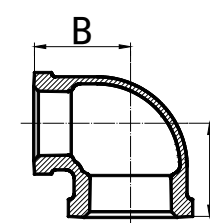
Bend 45°, M/F



Size	Inch	3/4	1	1 1/4	1 1/2	2	2 1/2
	mm	20	25	32	40	50	65
Dim. (mm)	A	45	55	68	70	85	100
Size	Inch	3	4				
	mm	80	100				
Dim. (mm)	A	115	145				

90R

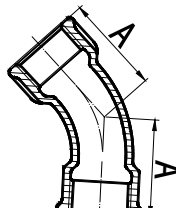
Reducing Elbow, 90°



Size	Inch	4X1 1/4	4X1 1/2	4X2	4X2 1/2	4X3
	mm	100X32	100X40	100X50	100X65	100X80
Dim. (mm)	A	60	62	68	77	82
	B	85	85	86	89	90
Size	Inch	3/4X1 1/2	1X1 1/4	1X3/8	1X1 1/2	1X3/4
	mm	20X15	25X8	25X10	25X15	25X20
Dim. (mm)	A	30	27	30	32	35
	B	31	31	32	34	36

41

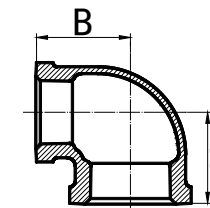
Bend 45°, female



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	26	30	36	43	51	64
Size	Inch	1 1/2	2	2 1/2	3	4	6
	mm	40	50	65	80	100	150
Dim. (mm)	A	68	81	99	113	142	197

90R

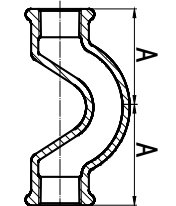
Reducing Elbow, 90°



Size	Inch	3/8X1/8	3/8X1/4	6X4	1/2X1/4	1/2X3/8
	mm	10X6	10X8	150X100	15X8	15X10
Dim. (mm)	A	20.5	23	102	24	26
	B	21.5	23	125	24	26
Size	Inch	1 1/4X3/8	1 1/4X1/2	1 1/4X3/4	1 1/4X1	1 1/2X1/2
	mm	32X10	32X15	32X20	32X25	40X15
Dim. (mm)	A	32	32	36	40	34
	B	36.5	37	41	42	41

85

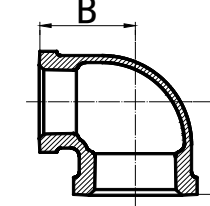
Crossover



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	45	54	70	91	100.5	115
Size	Inch						
	mm						
Dim. (mm)	A						

90R

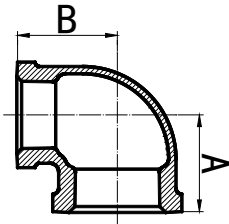
Reducing Elbow, 90°



Size	Inch	3/4X1/4	3/4X3/8	1 1/2X1 1/4	2X1/2	2X3/4
	mm	20X8	20X10	40X32	50X15	50X20
Dim. (mm)	A	26	28	46	35	40
	B	27	28	48	47	48
Size	Inch	1 1/2X3/4	1 1/2X1	3X1	3X1 1/4	3X1 1/2
	mm	40X20	40X25	80X25	80X32	80X40
Dim. (mm)	A	37	42	50	53.5	56
	B	42	46	68	68	69

90R

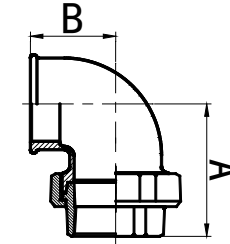
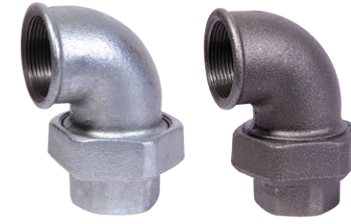
Reducing Elbow, 90°



Size	Inch	2X1	2X1 1/4	2X1 1/2	2 1/2X3/4	2 1/2X1	2 1/2X2
	mm	50X25	50X32	50X40	65X20	65X25	65X50
Dim. (mm)	A	43	47	52	42.5	46.5	61
	B	50	53	56	57	58.5	66
Size	Inch	3X2	3X2 1/2	1 1/4X1 1/8	2 1/2X1 1/4	2 1/2X1 1/2	3X3/4
	mm	80X50	80X65	8X6	65X32	65X40	80X20
Dim. (mm)	A	60.5	71	18.5	50.5	53.5	45
	B	71	74	19	60	61	65

96

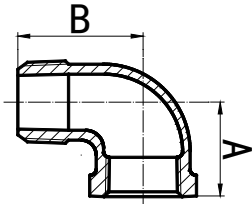
Union Elbow F/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28	33	38	45	50	58
	B	58	62	72	82	90	100
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

92

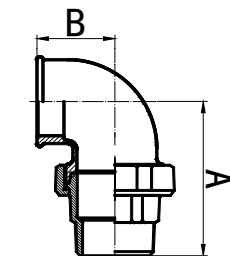
Street Elbow, 90°



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	19	21	25	28	33	38	45
	B	25	28	32	37	43	52	60
Size	Inch	1 1/2	2	2 1/2	3	4	6	
	mm	40	50	65	80	100	150	
Dim. (mm)	A	50	58	69	78	96	127.5	
	B	65	74	88	98	118	202	

97

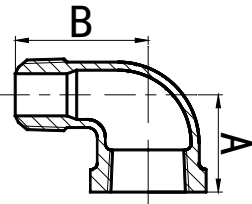
Union Elbow M/F



Size	Inch	1 1/2					
	mm	40					
Dim. (mm)	A	128					
	B	58					
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

92R

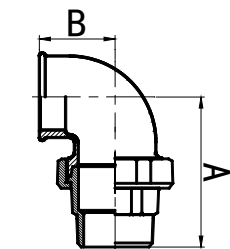
Reducing Street Elbow, 90°



Size	Inch	3/4X1/2	1X3/4			
	mm	20X15	25X20			
Dim. (mm)	A	30	35			
	B	65.4	46			
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

98

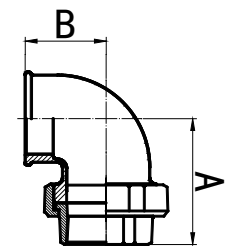
Union Elbow M/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	
	mm	15	20	25	32	40	
Dim. (mm)	A	76	82	94	107	115	
	B	28	33	38	45	50	
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

95

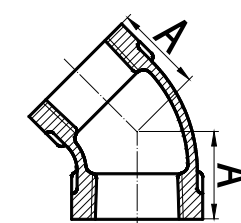
Union Elbow F/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28	33	38	45	50	58
	B	58	62	72	82	90	100
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

120

Elbow, 45°



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	16	18.5	20	22	25	28	33
Size	Inch	1 1/2	2	2 1/2	3	4	5	6
	mm	40	50	65	80	100	125	150
Dim. (mm)	A	50	58	69	78	96	77.5	86

121

Street Elbow, 45°



Size	Inch	1/8	1/4	3/8	1/2	3/4	1
	mm	6	8	10	15	20	25
Dim. (mm)	A	16	18.5	20	22	25	28
	B	21	24	25	28	32	37
Size	Inch	1 1/4	1 1/2	2	2 1/2	3	4
	mm	32	40	50	65	80	100
Dim. (mm)	A	33	36	43	49.5	55	66
	B	43	46	55	65	76	94

130

Tee



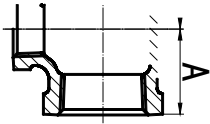
Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	19	21	25	28	33	38	45
	B	21	24	25	28	32	37	43
Size	Inch	1 1/2	2	2 1/2	3	4	5	6
	mm	40	50	65	80	100	125	150
Dim. (mm)	A	50	58	69	78	96	115	131
	B	60	69	81	94	115	131	150

130R

Reducing Tee



Size	Inch	4X1/2	4X3/4	4X1	4X1 1/4	4X1 1/2
	mm	100X15	100X20	100X25	100X32	100X40
Dim. (mm)	A	50	53	56	60	61
	B	79	79	81	84	84



Size	Inch	1/2X1/8	1/2X1/4	1/2X3/8	3/4X1/4	3/4X3/8
	mm	15X6	15X8	15X10	20X8	20X10
Dim. (mm)	A	22	24	26	26	28
	B	23	24	26	27	28

130R

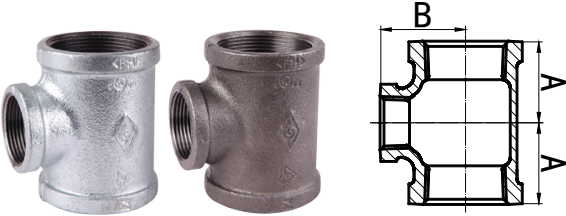
Reducing Tee



Size	Inch	4X2	4X2 1/2	4X3	3/8X1/4	6X4
	mm	100X50	100X65	100X80	10X8	150X100
Dim. (mm)	A	70	84	82	22	105
	B	86	92	90	22.5	125.5
Size	Inch	3/4X1/2	1X1/4	1X3/8	1X1/2	1X3/4
	mm	20X15	25X8	25X10	25X15	25X20
Dim. (mm)	A	30	28	30	32	35
	B	31	31	32	34	36

130R

Reducing Tee

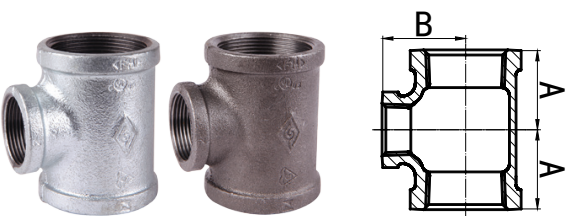


Size	Inch	6X2	6X3	1 1/4X3/4	1 1/4X1
	mm	150X50	150X80	32X20	32X25
Dim. (mm)	A	75	92.5	36	40
	B	115	120.5	41	42
Size	Inch	1 1/4X3/8	1 1/4X1/2	2X1 1/2	2 1/2X1 1/2
	mm	32X10	32X15	50X40	65X15
Dim. (mm)	A	32	34	52	40
	B	36	38	55	56

1 1/2X3/8
40X10
34
39
2 1/2X3/4
65X20
43
57

130R

Reducing Tee



Size	Inch	1 1/2X1/2	1 1/2X3/4	1 1/2X1	1 1/2X1 1/4
	mm	40X15	40X20	40X25	40X32
Dim. (mm)	A	36	38	42	46
	B	42	44	46	48
Size	Inch	2 1/2X1	2 1/2X1 1/4	2 1/2X1 1/2	2 1/2X2
	mm	65X25	65X32	65X40	65X50
Dim. (mm)	A	47	52	55	61
	B	60	62	63	66

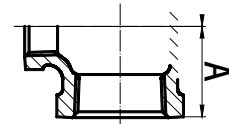
2X3/8
50X10
36
46
3X1/2
80X15
42
64

130R

Reducing Tee



Size	Inch	2X1/2	2X3/4	2X1	2X1 1/4	3X2
	mm	50X15	50X20	50X25	50X32	80X50
Dim. (mm)	A	38	40	44	48	64
	B	48	50	52	54	73



Size	Inch	3X1	3X1 1/4	3X1 1/2	3X2 1/2	1/4X1/8
	mm	80X25	80X32	80X40	80X65	8X6
Dim. (mm)	A	51	55	58	72	18.5
	B	67	70	71	76	19

3X3/4
80X20
45
65

130R

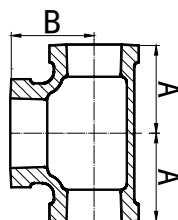
Reducing Tee



Size	Inch	1/2X1/2X3/4	1/2X1/2X1	3/4X3/4X1	3/4X3/4X1 1/4
	mm	15X15X20	15X15X25	20X20X25	20X20X32
Dim. (mm)	A	31	34	36	41
	B	30	32	35	36
Size	Inch	1X1X2	1X1X2 1/2	1 1/4X1 1/4X1 1/2	1 1/4X1 1/4X2
	mm	25X25X50	25X25X65	32X32X40	32X32X50
Dim. (mm)	A	51	60	48	54
	B	48.5	48	46	48

130R

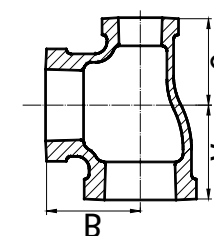
Reducing Tee



Size	Inch	1/2X1/2X3/4	1/2X1/2X1	3/4X3/4X1	3/4X3/4X1 1/4
	mm	15X15X20	15X15X25	20X20X25	20X20X32
Dim. (mm)	A	31	34	36	41
	B	30	32	35	36
Size	Inch	1X1X2	1X1X2 1/2	1 1/4X1 1/4X1 1/2	1 1/4X1 1/4X2
	mm	25X25X50	25X25X65	32X32X40	32X32X50
Dim. (mm)	A	51	60	48	54
	B	48.5	48	46	48

130R

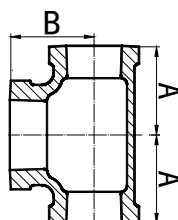
Reducing Tee



Size	Inch	3/4X1/2X3/4	1X1/4X1	1X1/2X1	1 1/4X1 1/4X1 1/4	1 1/2X1 1/2X1 1/2
	mm	20X15X20	25X8X25	25X15X25	32X25X32	40X15X40
Dim. (mm)	A	33	38	38	45	50
	B	33	38	38	45	50
	C	31	30	34	42	42
Size	Inch	1 1/2X3/4X1 1/2	1X3/4X1	1 1/4X1 1/2X1 1/4	1 1/4X3/4X1 1/4	1 1/2X1 1/2X1 1/2
	mm	40X20X40	25X20X25	32X15X32	32X20X32	40X25X40
Dim. (mm)	A	50	38	45	45	50
	B	50	38	45	45	50
	C	44	36	38	41	46

130R

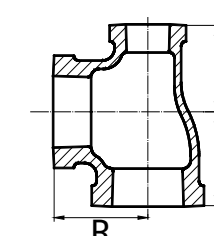
Reducing Tee



Size	Inch	1X1X1 1/4	1X1X1 1/2	2X2X2 1/2	2 1/2X2 1/2X3
	mm	25X25X32	25X25X40	50X50X65	65X65X80
Dim. (mm)	A	42	46	64	75
	B	40	42	59	72
Size	Inch	1 1/2X1 1/2X2	1 1/2X1 1/2X2 1/2	2 1/2X2 1/2X4	
	mm	40X40X50	40X40X65	65X65X100	
Dim. (mm)	A	55	65	90	
	B	52	55	78	

130R

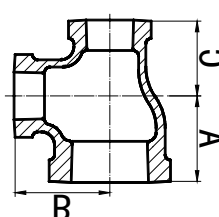
Reducing Tee



Size	Inch	1 1/2X1 1/4X1 1/2	2X1/2X2	2X3/4X2	2X1X2
	mm	40X32X40	50X15X50	50X20X50	50X25X50
Dim. (mm)	A	50	57	58	58
	B	50	57	58	58
	C	48	47.5	50	52
Size	Inch	2X1 1/4X2	2X1 1/2X2	2 1/2X1 1/2X2 1/2	2 1/2X2X2 1/2
	mm	50X32X50	50X40X50	65X40X65	65X50X65
Dim. (mm)	A	58	58	68.5	67
	B	58	58	68.5	67
	C	54	55	63.5	65

130R

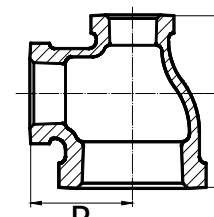
Reducing Tee



Size	Inch	3/4X1/2X1 1/2	1X1/2X1 1/2	1X3/4X3/4
	mm	20X15X15	25X15X15	25X20X20
Dim. (mm)	A	30	32	35
	B	31	34	36
	C	28	28	33
Size	Inch	1 1/2X3/4X3/4	1 1/2X1X1	1 1/2X1 1/4X1 1/4
	mm	40X20X20	40X25X25	40X32X32
Dim. (mm)	A	38	42	46
	B	43	46	48
	C	32	38	45

130R

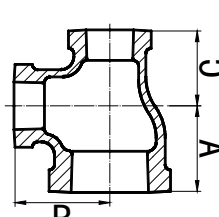
Reducing Tee



Size	Inch	4X3X2	3/4X1/2X1	1X1/2X3/4	1 1/4X3/4X1
	mm	100X80X50	20X15X25	25X15X20	32X20X25
Dim. (mm)	A	67	38	35	40
	B	83.5	34	36	42
	C	60	33	31	36
Size	Inch	1 1/4X1 1/2X1 1/2	1 1/4X1 1/2X3/4	1 1/4X1 1/2X3/4	1 1/4X1 1/2X1 1/4
	mm	32X25X15	32X25X20	32X15X20	32X15X25
Dim. (mm)	A	34	36	35	39
	B	38	41	38	41.5
	C	32	35	29	34

130R

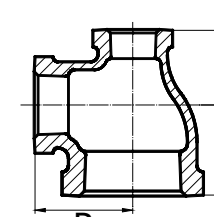
Reducing Tee



Size	Inch	1 1/4X1/2X1 1/2	1 1/4X3/4X3/4	1 1/4X1X1	2X1X1
	mm	32X15X15	32X20X20	32X25X25	50X25X25
Dim. (mm)	A	34	36	40	44
	B	38	41	42	51
	C	27	33	38	38
Size	Inch	2X1 1/4X1 1/4	2X1 1/2X1 1/2	2 1/2X2X2	3X2X2
	mm	50X32X32	50X40X40	65X50X50	80X50X50
Dim. (mm)	A	48	52	60.5	64
	B	54	55	66	73
	C	45	50	57	57

130R

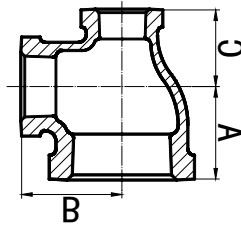
Reducing Tee



Size	Inch	1 1/4X3/4X1 1/2	1 1/2X1/2X1	1 1/2X3/4X1	1 1/2X3/4X1 1/4
	mm	32X20X15	40X15X25	40X20X25	40X20X32
Dim. (mm)	A	40	44	44	46
	B	42.5	46	46	48
	C	37	34	35	41
Size	Inch	1 1/2X1 1/4X1 1/2	1 1/2X3/4X1 1/4	1 1/2X1 1/4X1 1/2	2X1X1 1/2
	mm	40X25X15	40X25X32	40X32X15	50X25X40
Dim. (mm)	A	37	45	36	51
	B	41	47	42	55
	C	32	41.5	34	45.5

130R

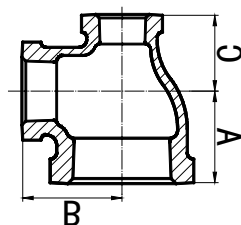
Reducing Tee



Size	Inch	2X11/4X1	2X11/4X11/2	11/2X11/4X3/4	11/2X11/4X1
	mm	50X32X25	50X32X40	40X32X20	40X32X25
Dim. (mm)	A	40	52	38	42
	B	51	55	44	46
	C	44	48	36	40
Size	Inch	11/2X11/4X2	2X11/2X1/2	2X11/2X3/4	2X11/2X1
	mm	40X32X50	50X40X15	50X40X20	50X40X25
Dim. (mm)	A	55	38	40	44
	B	51.5	48	50	52
	C	53.5	36	39	42

130R

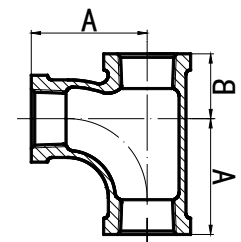
Reducing Tee



Size	Inch	2X11/2X11/4	21/2X2X1/2	21/2X2X1
	mm	50X40X32	65X50X15	65X50X25
Dim. (mm)	A	48	57	53
	B	54	64	60
	C	46	52	53
Size	Inch	21/2X2X11/4	3X21/2X2	
	mm	65X50X32	80X65X50	
Dim. (mm)	A	57	67	
	B	64	74.5	
	C	52	64	

131

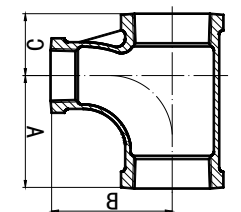
Pitcher Tee



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	45	50	63	76	85	102
	B	24	28	33	40	43	53
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

131R

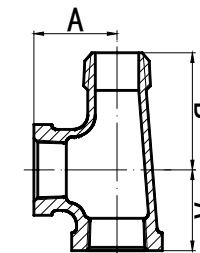
Reducing Pitcher Tee



Size	Inch	3/4X1/2	1X1/2	1X3/4	1X3/4X3/4
	mm	20X15	25X15	25X20	25X20X20
Dim. (mm)	A	47	49	53	53
	B	48	51	54	54
	C	25	28	30	28
Size	Inch	11/4X1/2	11/4X3/4	11/2X3/4	11/2X1
	mm	32X15	32X20	40X20	40X25
Dim. (mm)	A	51	55	55	66
	B	56	58	61	71
	C	30	33	33	36

134

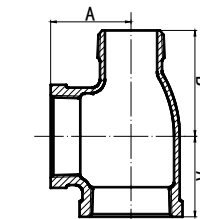
Service Tee



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.5	38	44.5	49.5	57
	B	41.5	48	54.5	62	68.5	83
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

134R

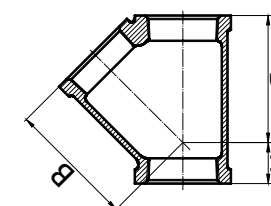
Reducing Service Tee



Size	Inch	2X11/4	21/2X2	3X21/2			
	mm	50X40	65X50	80X65			
Dim. (mm)	A	57	69	78			
	B	75	88	106			
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

165

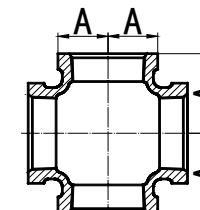
Lateral Y Branche, 45°



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	15.5	18.3	21.6	26	27.9	31.5
	B	43.4	52	61.7	74.2	83.3	99.8
Size	Inch	21/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	38.6	43.4	51			
	B	120	141	177			

180

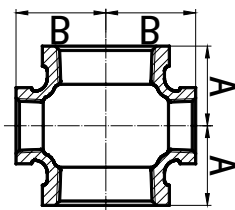
Cross



Size	Inch	1/8	1/4	3/8	1/2	3/4	1
	mm	6	8	10	15	20	25
Dim. (mm)	A	19	21	25	28	33	38
Size	Inch	11/4	11/2	2	21/2	3	4
	mm	32	40	50	65	80	100
Dim. (mm)	A	45	50	58	69	78	96

180R

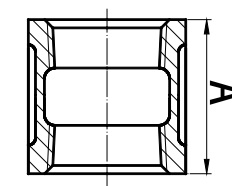
Reducing Cross



Size	Inch	4X1	4X11/4	4X11/2	4X2	4X21/2
	mm	100X25	100X32	100X40	100X50	100X65
Dim. (mm)	A	56	60	61	70	84
	B	81	84	84	86	92
Size	Inch	11/2X1/2	11/2X3/4	11/2X1	11/2X11/4	2X3/4
	mm	40X15	40X20	40X25	40X32	50X20
Dim. (mm)	A	36	38	42	46	40
	B	42	44	46	48	50

220S

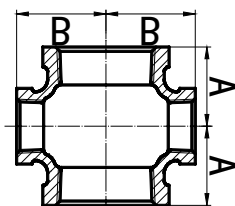
Socket R/L



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	36	39	45	50	55	65
	B						
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

180R

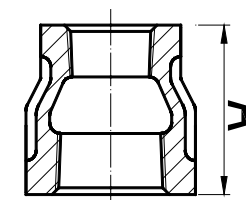
Reducing Cross



Size	Inch	4X3	3/4X1/2	1X1/2	1X3/4	11/4X1/2
	mm	100X80	20X15	25X15	25X20	32X15
Dim. (mm)	A	82	30	32	35	34
	B	90	31	34	36	38
Size	Inch	2X1	2X11/4	2X11/2	21/2X3/4	21/2X1
	mm	50X25	50X32	50X40	65X20	65X25
Dim. (mm)	A	44	48	52	43	47
	B	52	54	55	57	60

240

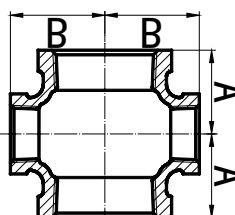
Reducing Socket



Size	Inch	4X1	4X11/4	4X11/2	4X2	4X21/2
	mm	100X25	100X32	100X40	100X50	100X65
Dim. (mm)	A	94	94	94	94	94
	B					
Size	Inch	1/2X1/8	1/2X1/4	1/2X3/8	3/4X1/8	3/4X1/4
	mm	15X6	15X8	15X10	20X6	20X8
Dim. (mm)	A	36	36	36	39	39
	B					

180R

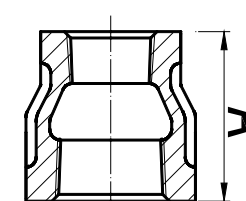
Reducing Cross



Size	Inch	11/4X3/4	11/4X1	21/2X2	3X3/4	3X1	21/2X11/4
	mm	32X20	32X25	65X50	80X20	80X25	65X32
Dim. (mm)	A	36	40	61	45	51	52
	B	41	42	66	65	67	62
Size	Inch	21/2X11/2	3X11/4	3X11/2	3X2	3X21/2	
	mm	65X40	80X32	80X40	80X50	80X65	
Dim. (mm)	A	55	55	58	64	72	
	B	63	70	71	73	76	

240

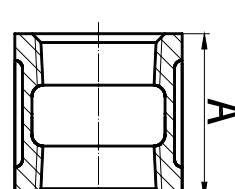
Reducing Socket



Size	Inch	4X3	3/8X1/8	3/8X1/4	5X4	6X4
	mm	100X80	10X6	10X8	125X100	150X100
Dim. (mm)	A	94	30	30	122	105
	B					
Size	Inch	3/4X3/8	3/4X1/2	1X1/4	1X3/8	1X1/2
	mm	20X10	20X15	25X8	25X10	25X15
Dim. (mm)	A	39	39	45	45	45
	B					

220

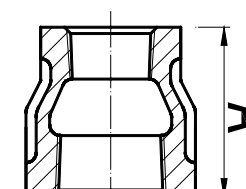
Socket



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	11/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	25	27	30	36	39	45	50
	B							
Size	Inch	11/2	2	21/2	3	4	5	6
	mm	40	50	65	80	100	125	150
Dim. (mm)	A	55	65	74	80	94	95	105
	B							

240

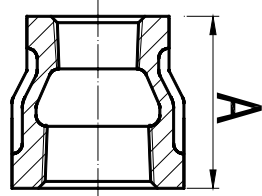
Reducing Socket



Size	Inch	6X2	6X3	11/4X3/8	11/4X1/2	11/4X3/4
	mm	150X50	150X80	32X10	32X15	32X20
Dim. (mm)	A	105	105	50	50	50
	B					
Size	Inch	1X3/4	11/4X1/4	2X1	2X11/4	2X11/2
	mm	25X20	32X8	50X25	50X32	50X40
Dim. (mm)	A	45	50	65	65	74
	B					

240

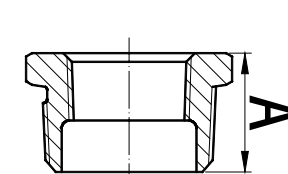
Reducing Socket



Size	Inch	6X2	6X3	11/4X3/8	11/4X1/2	11/4X3/4	1X3/4
	mm	150X50	150X80	32X10	32X15	32X20	25X20
Dim. (mm)	A	105	105	50	50	50	45
Size	Inch	11/4X1/4	2X1	2X11/4	2X11/2	11/4X1	11/2X1/4
	mm	32X8	50X25	50X32	50X40	32X25	40X8
Dim. (mm)	A	50	65	65	74	50	55

241

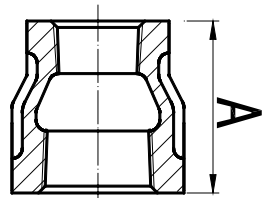
Bushing



Size	Inch	3/8X1/8	3/8X1/4	5X4	6X5	6X21/2
	mm	10X6	10X8	125X100	150X125	150X65
Dim. (mm)	A	20	20	47	69	69
Size	Inch	1X1/4	1X3/8	1X1/2	1X3/4	11/4X3/8
	mm	25X8	25X10	25X15	25X20	32X10
Dim. (mm)	A	29	29	29	29	31

240

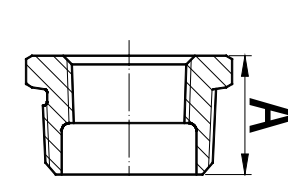
Reducing Socket



Size	Inch	11/2X3/8	11/2X1/2	11/2X3/4	21/2X1/2	21/2X3/4	21/2X1
	mm	40X10	40X15	40X20	65X15	65X20	65X25
Dim. (mm)	A	55	55	55	74	74	74
Size	Inch	21/2X11/4	21/2X11/2	11/2X1	11/2X11/4	2X1/2	2X3/4
	mm	65X32	65X40	40X25	40X32	50X15	50X20
Dim. (mm)	A	74	74	55	55	65	65

241

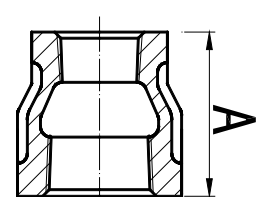
Bushing



Size	Inch	1/2X1/8	1/2X1/4	11/4X1	11/2X1/4	11/2X3/8
	mm	15X6	15X8	32X25	40X8	40X10
Dim. (mm)	A	24	24	31	31	31
Size	Inch	11/4X1/2	11/4X3/4	21/2X11/2	21/2X2	3X2
	mm	32X15	32X20	65X40	65X50	80X50
Dim. (mm)	A	31	31	40	40	44

240

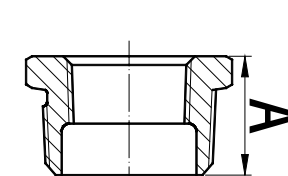
Reducing Socket



Size	Inch	3X11/4	21/2X2	3X1/2	3X3/4	3X1	3X11/2
	mm	80X32	65X50	80X15	80X20	80X25	80X40
Dim. (mm)	A	80	74	80	80	80	80
Size	Inch	3X2	3X21/2	1/4X1/8			
	mm	80X50	80X65	8X6			
Dim. (mm)	A	80	80	27			

241

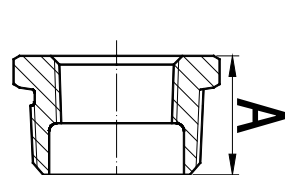
Bushing



Size	Inch	11/2X1/2	11/2X3/4	11/2X1	11/2X11/4	2X1	3X21/2
	mm	40X15	40X20	40X25	40X32	50X25	80X65
Dim. (mm)	A	31	31	31	31	35	44
Size	Inch	1/4X1/8	2X11/4	2X11/2	21/2X11/2	21/2X3/4	
	mm	8X6	50X32	50X40	65X15	65X20	
Dim. (mm)	A	20	35	35	40	40	

241

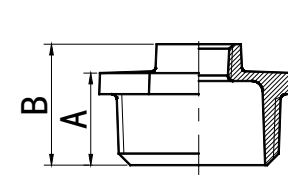
Bushing



Size	Inch	4X3/4	4X1	4X11/4	4X11/2	4X3
	mm	100X20	100X25	100X32	100X40	100X80
Dim. (mm)	A	51	51	51	51	51
Size	Inch	1/2X3/8	3/4X1/8	3/4X1/4	3/4X3/8	3/4X1/2
	mm	15X10	20X6	20X8	20X10	20X15
Dim. (mm)	A	24	26	26	26	26

241D

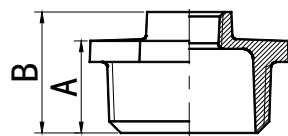
Bushing



Size	Inch	2X1/2	2X3/4	21/2X1	21/2X11/4	3X1/2
	mm	50X15	50X20	65X25	65X32	80X15
Dim. (mm)	A	35	35	40	40	44
	B	48	48	54	54	59
Size	Inch	6X4	3X3/4	3X1	3X11/4	3X11/2
	mm	150X100	80X20	80X25	80X32	80X40
Dim. (mm)	A	63	44	44	44	44
	B	86	59	59	59	59

241D

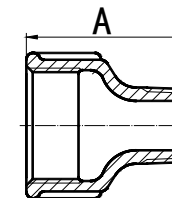
Bushing



Size	Inch	4X2	4X2 1/2	6X3		
	mm	100X50	100X65	150X80		
Dim. (mm)	A	51	51	63		
	B	69	69	86		
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

246

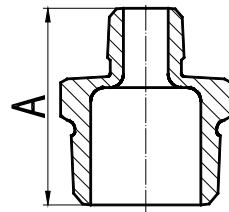
Reducing Socket M/F



Size	Inch	3/8X1/4	1/2X1/4	1/2X3/8	3/4X3/8	3/4X1/2
	mm	10X8	15X8	15X10	20X10	20X15
Dim. (mm)	A	35	43	43	48	48
Size	Inch	1 1/2X1 1/4	2X1	2X1 1/4	2X1 1/2	1X1 1/2
	mm	40X32	50X25	50X32	50X40	25X15
Dim. (mm)	A	63	70	70	70	55

245

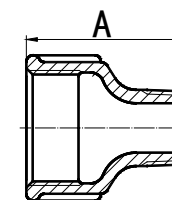
Reducing Hexagon Nipple



Size	Inch	4X2	4X2 1/2	4X3	3/8X1/4	1/2X1/4
	mm	100X50	100X65	100X80	10X8	15X8
Dim. (mm)	A	87	87	87	38	44
Size	Inch	1 1/4X3/4	1 1/4X1	1 1/2X1 1/2	1 1/2X3/4	1 1/2X1
	mm	32X20	32X25	40X15	40X20	40X25
Dim. (mm)	A	57	57	59	59	59

246

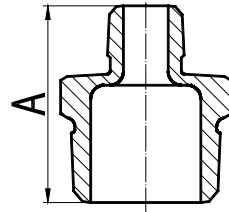
Reducing Socket M/F



Size	Inch	1X3/4	1 1/4X1/2	1 1/4X3/4	1 1/4X1	1 1/2X3/4
	mm	25X20	32X15	32X20	32X25	40X20
Dim. (mm)	A	55	60	60	60	63
Size	Inch	1 1/2X1				
	mm	40X25				
Dim. (mm)	A	63				

245

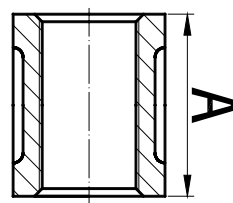
Reducing Hexagon Nipple



Size	Inch	1/2X3/8	3/4X1/4	3/4X3/8	3/4X1/2	1X1/2
	mm	15X10	20X8	20X10	20X15	25X15
Dim. (mm)	A	44	47	47	47	53
Size	Inch	1 1/2X1 1/4	2X1/2	2X3/4	2X1	2X1 1/4
	mm	40X32	50X15	50X20	50X25	50X32
Dim. (mm)	A	59	68	68	68	68

270

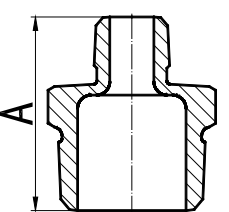
Parallel Thread Socket



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	25	27	30	36	39	45	50
Size	Inch	6	1 1/2	2	2 1/2	3	4	
	mm	150	40	50	65	80	100	
Dim. (mm)	A	120	55	65	74	80	94	

245

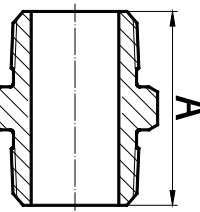
Reducing Hexagon Nipple



Size	Inch	1X3/4	1 1/4X1/2	2 1/2X1 1/4	2 1/2X1 1/2	2 1/2X2	2X1 1/2
	mm	25X20	32X15	65X32	65X40	65X50	50X40
Dim. (mm)	A	53	57	75	75	75	68
Size	Inch	1/4X1/8	2 1/2X1	3X1 1/2	3X2	3X2 1/2	
	mm	8X6	65X25	80X40	80X50	80X65	
Dim. (mm)	A	31	75	83	83	83	

280

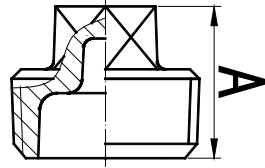
Hexagon Nipple



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	29	36	38	44	47	53	57
Size	Inch	5	6	1 1/2	2	2 1/2	3	4
	mm	125	150	40	50	65	80	100
Dim. (mm)	A	103	110	59	68	75	83	95

291

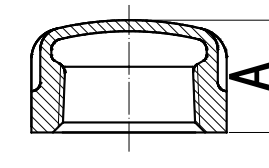
Plain Plug



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
mm	6	8	10	15	20	25	32	
Dim. (mm)	A Min	11	14	15	18	20	23	29
Size	Inch	1 1/2	2	2 1/2	3	4	6	
mm	40	50	65	80	100	150		
Dim. (mm)	A Min	30	36	39	44	58	71.5	

300

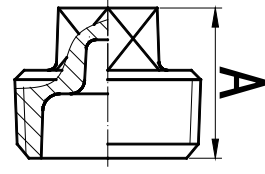
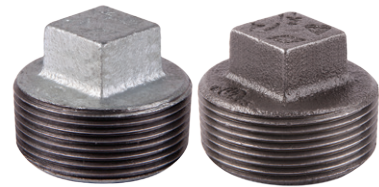
Cap



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
mm	6	8	10	15	20	25	32	
Dim. (mm)	A Min	13	15	17	19	22	24	27
Size	Inch	1 1/2	2	2 1/2	3	4	5	6
mm	40	50	65	80	100	125	150	
Dim. (mm)	A Min	27	32	35	38	45	54	61

291LM

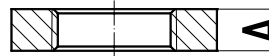
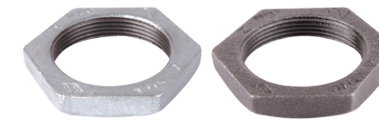
Plain Plug



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
mm	15	20	25	32	40	50	
Dim. (mm)	A	25	28.5	32.5	35.1	37.6	40.1
Size	Inch	2 1/2	3	4			
mm	65	80	100				
Dim. (mm)	A	46	50	64.5			

310

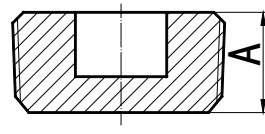
Locknut



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
mm	8	10	15	20	25	32	
Dim. (mm)	A	6	7	8	9	10	11
Size	Inch	1 1/2	2	2 1/2	3	4	
mm	40	50	65	80	100		
Dim. (mm)	A	12	13	16	19	23	

291N

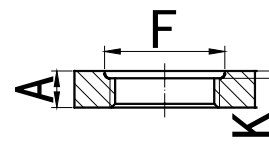
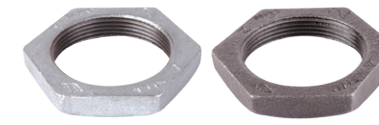
Countersunk Plug



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
mm	15	20	25	32	40	50	
Dim. (mm)	A Min	14.2	16	19	20.3	21.1	22.4
Size	Inch	2 1/2	3				
mm	65	80					
Dim. (mm)	A Min	27.2	38.7				

312

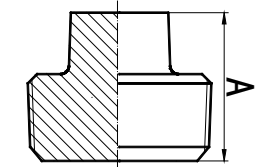
Backnut



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2	4
mm	15	20	25	32	40	50	100	
Dim. (mm)	A Min	7.9	8.6	9.7	10.7	11.9	13.5	20.3
F Min	24.6	31.2	38.1	47.2	53.9	66.8	127	
K	1.5	1.5	1.5	1.5	1.5	2.3	3.3	

291S

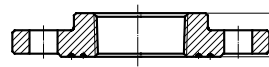
Solid Plug



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
mm	8	10	15	20	25	32	
Dim. (mm)	A Min	14	15	18	20	23	29
Size	Inch	1 1/2	2	2 1/2	3		
mm	40	50	65	80			
Dim. (mm)	A Min	30	36	39	44		

321-4

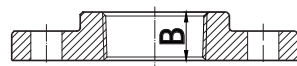
Flange Bs4504



Size	Inch	1 1/4	1 1/2	2	2 1/2	3	4
mm	32	40	50	65	80	100	
Dim. (mm)	A	23	23	28	35	38	38
Size	Inch	6					
mm	150						
Dim. (mm)	A	46					

321-6

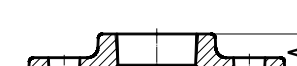
Flange 1600/4



Size	Inch	11/4	11/2	2	2 1/2	3	4
	mm	32	40	50	65	80	100
Dim. (mm)	B	20	20	22	26	28	34
Size	Inch	6					
	mm	150					
Dim. (mm)	B	40					

321TD

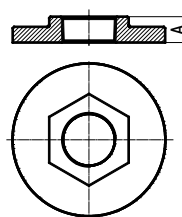
Flange



Size	Inch	1	1 1/4	1 1/2	2	2 1/2	3
	mm	25	32	40	50	65	80
Dim. (mm)	A	16	17.4	23	25	25	26.8
Size	Inch	4	6				
	mm	100	150				
Dim. (mm)	A	31.5	35				

321-H

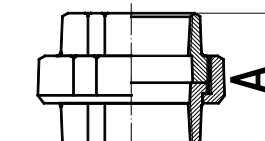
Flange



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	15	16	19	21	21	26
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	30	33	39			

330

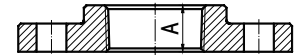
Flat Seat Union



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	38	42	45	48	52	58	65
Size	Inch	1 1/2	2	2 1/2	3	4	6	
	mm	40	50	65	80	100	150	
Dim. (mm)	A	70	78	85	95	100	144	

321P

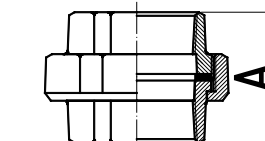
Flange



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	15	16	19	21	21	26
Size	Inch	2 1/2	3	4	5	6	
	mm	65	80	100	125	150	
Dim. (mm)	A	30	33	39	40	40	

330D

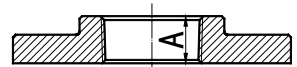
Flat Seat Union



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A	38	42	45	48	52	58	65
Size	Inch	1 1/2	2	2 1/2	3	4	6	
	mm	40	50	65	80	100	150	
Dim. (mm)	A	70	78	85	95	100	144	

321PW

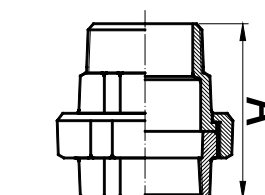
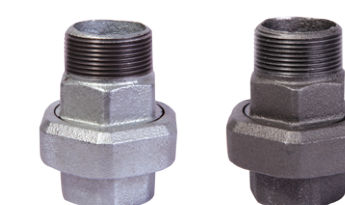
Flange



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	B	15	16	19	21	21	26
Size	Inch	2 1/2	3	4	5	6	
	mm	65	80	100	125	150	
Dim. (mm)	B	30	33	39	40	40	

331

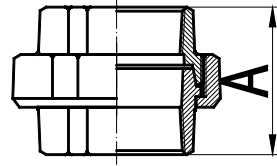
Flat Seat Union M/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	66	72	80	90	95	106
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	118	130	133			

340

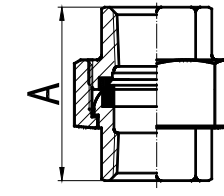
Conical Joint Union



Size	Inch	1/8	1/4	3/8	1/2	3/4	1
	mm	6	8	10	15	20	25
Dim. (mm)	A	38	42	45	48	52	58
Size	Inch	1 1/4	1 1/2	2	2 1/2	3	4
	mm	32	40	50	65	80	100
Dim. (mm)	A	65	70	78	85	95	100

342A

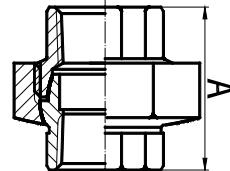
Double Bronze Navy Union



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	48	52	58	65	70	78
Size	Inch						
	mm						
Dim. (mm)	A						

340Q

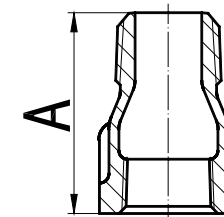
Deflection Union



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	46	49	55	64	74.5	83
Size	Inch						
	mm						
Dim. (mm)	A						

526

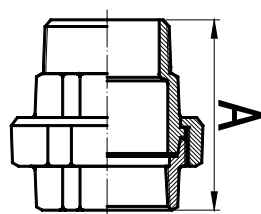
Long Adapter M/F



Size	Inch	1/2X30	1/2X40	1/2X50	1/2X60	1/2X100
	mm	15X30	15X40	15X50	15X60	15X100
Dim. (mm)	A	30	40	50	60	100
Size	Inch	1/2X30	1/2X40	1/2X50	1/2X60	1/2X100
	mm	15X30	15X40	15X50	15X60	15X100
Dim. (mm)	A	30	40	50	60	100

341

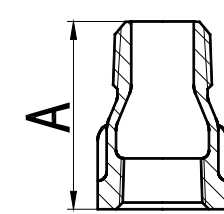
Conical Joint Union M/F



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	55	55	66	72	80	90
Size	Inch	1 1/2	2	2 1/2	3	4	
	mm	40	50	65	80	100	
Dim. (mm)	A	95	106	118	130	133	

529A

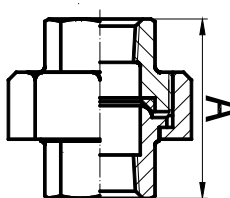
Long Extension Piece



Size	Inch	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
Dim. (mm)	A	33	35	43	48	55	60
Size	Inch	1 1/2	2	2 1/2	3	4	
	mm	40	50	65	80	100	
Dim. (mm)	A	61.5	68	76	83	97	

342

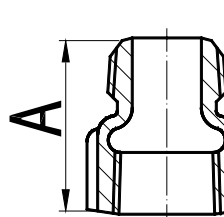
Conical Joint Union



Size	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4
	mm	6	8	10	15	20	25	32
Dim. (mm)	A Min	32	36.5	41	43.5	49.5	52.5	57.5
Size	Inch	1 1/2	2	2 1/2	3	4	6	
	mm	40	50	65	80	100	150	
Dim. (mm)	A Min	61	70	82	89	98	76.2	

529X

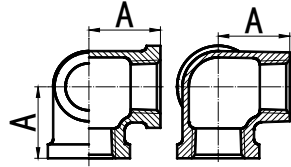
Short Extension Piece



Size	Inch	1/2					
	mm	15					
Dim. (mm)	A	32					
Size	Inch						
	mm						
Dim. (mm)	A						

1221

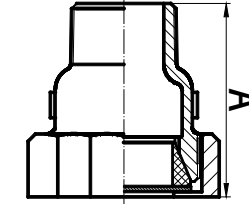
Side Outlet Elbow



Size	Inch	1/2	3/4	1	1 1/2	2	
	mm	15	20	25	40	50	
Dim. (mm)	A	28	33	38	50	58	
Size	Inch						
	mm						
Dim. (mm)	A						

LAF

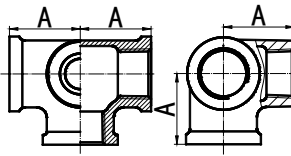
Coupling Luck M/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	59	63	65	69	71	79
Size	Inch						
	mm						
Dim. (mm)	A						

1223

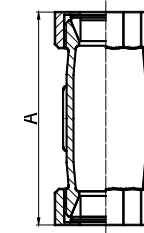
Side Outlet Tee



Size	Inch	1/2	3/4	1	1 1/4		
	mm	15	20	25	32		
Dim. (mm)	A	28	33	38	45		
Size	Inch						
	mm						
Dim. (mm)	A						

LCC

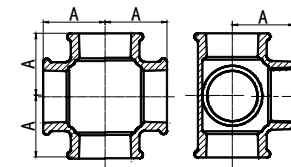
Long Compression Coupling



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	93	101	109	114	118	121
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	137	145	155			

1224

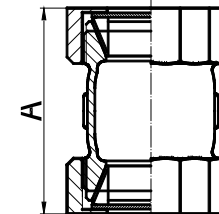
Side Outlet Cross



Size	Inch	1 1/4	1 1/2				
	mm	32	40				
Dim. (mm)	A	45	50				
Size	Inch						
	mm						
Dim. (mm)	A						

SCC

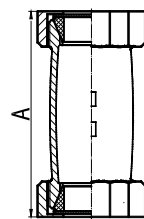
Short Compression Coupling



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	62	69	73	79	79	84
Size	Inch	2 1/2	3				
	mm	65	80				
Dim. (mm)	A	100	110				

LAA

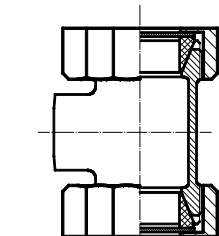
Coupling Luck F/F



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	95	104	110	114	122	129
Size	Inch						
	mm						
Dim. (mm)	A						

TCC

Compression Tee



Size	Inch	1/2	3/4				
	mm	15	20				
Dim. (mm)	A	80	88				
Size	Inch						
	mm						
Dim. (mm)	A						