



GENERAL INFORMATION

Malleable iron fittings are used for a wide variety of applications including fire protection , plumbing and heating and ventilation.

We stock Jinan Meide products, the world's leading brand of malleable iron fittings.

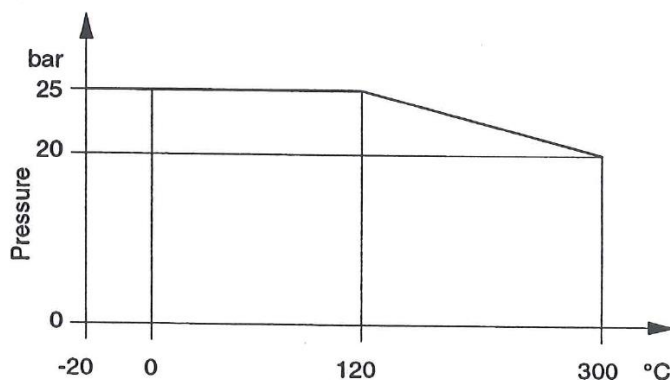
- Covered by standards BS EN10242 and BS 143.
- BSI kite marked.
- Male and female taper threads to ISO 7.1 to ensure best possible joint.
- Supplied in self colour or hot dip galvanised finishes.



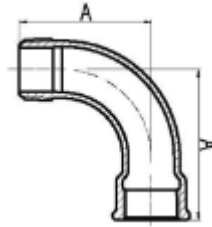
TECHNICAL INFORMATION

PRESSURE /TEMPERATURE RATINGS*

- The design test pressure for sizes 1/8" (6mm) up to 4" (100mm) is 100 bar. This is a hydrostatic test at ambient temperature. This applies to all fittings except for unions; unions must withstand a test pressure not less than 1.5 x permissible working pressure at ambient temperature shown in the table below.
- Permissible working pressure and temperature ratings are given in the table below. Please note that for steam applications we recommend the use of mild steel fittings to BS EN10241.



*Pressure/temperature ratings on this page do not apply to galvanised compression fittings. Please see relevant page for details.

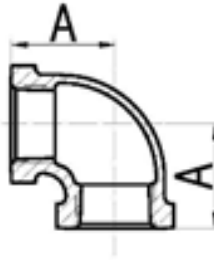


Malleable iron bend 90° female Fig. XM2AF

Malleable iron bend 90° male female Fig. XM1AF XM1AF



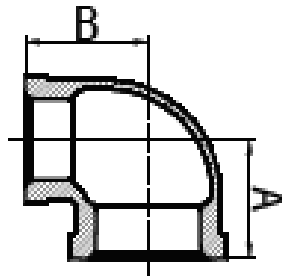
Nominal bore		Length centre/face	Weight each	
			A	Female
Metric	Imperial	mm	kgs	kgs
6mm	1/8	35	0.1	0.1
8mm	1/4	40	0.1	0.1
10mm	3/8	48	0.1	0.1
15mm	1/2	55	0.1	0.1
20mm	3/4	69	0.2	0.2
25mm	1	86	0.3	0.3
32mm	1 1/4	105	0.5	0.4
40mm	1 1/2	116	0.6	0.7
50mm	2	140	1.1	1.0
65mm	2 1/2	176	1.8	1.6
80mm	3	205	3.3	1.9
100mm	4	260	3.5	2.0



Elbow 90° female
Fig. 90



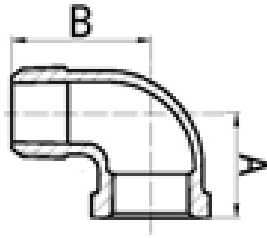
Nominal bore		Length Centre to face dim.A	Weight Each
Metric	Imperial		
6mm	1/8	19	0.03
8mm	1/4	21	0.05
10mm	3/8	25	0.07
15mm	1/2	28	0.09
20mm	3/4	33	0.15
25mm	1	38	0.23
32mm	1 1/4	48	0.37
40mm	1 1/2	50	0.46
50mm	2	58	0.75
65mm	2 1/2	69	1.19
80mm	3	78	1.71
100mm	4	96	3.12
125mm	5	115	
150mm	6	131	7.34



**Reducing female Elbow 90°
Fig. 90R**



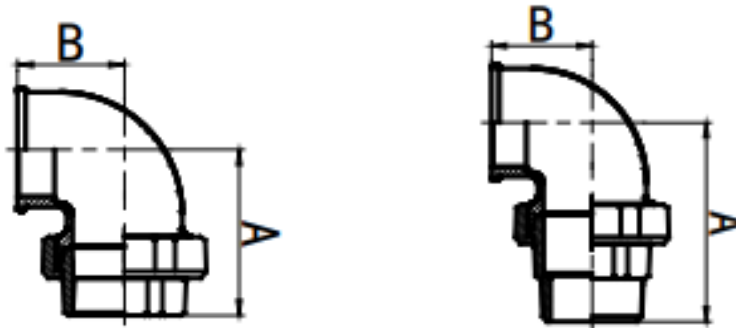
Nominal bore		Length Centre to face dim. A	Length Centre to face dim. B	Weight kgs	Nominal bore		Length Centre to face dim. A	Length Centre to face dim. B	Weight kgs
Metric	Imperial				Metric	Imperial			
10x6	3/8x1/8	20.5	21.5	0.06	50x20	2x3/4	40	48	0.47
10x8	3/8x1/4	23	23	0.06	50x25	2x1	43	50	0.60
15x8	1/2x1/4	24	24	0.07	50x32	2x1 1/4	47	53	0.56
15x10	1/2x3/8	26	26	0.09	50x40	2x1 1/2	52	56	0.62
20x8	3/4x1/4	26	27	0.12	65x20	2 1/2x3/4	42.5	57	0.84
20x10	3/4x3/8	28	28	0.12	65x25	2 1/2x1	46.5	58.5	0.84
20x15	3/4x1/2	30	31	0.12	65x32	2 1/2x1 1/4	50.5	60	0.84
25x8	1x1/4	27	31	0.19	65x40	2 1/2x1 1/2	53.5	61	0.84
25x10	1x3/8	30	32	0.19	65x50	2 1/2x2	61	66	0.84
25x15	1x1/2	32	34	0.19	65x20	3x3/4	45	65	1.13
25x20	1x3/4	35	36	0.19	80x25	3x1	50	68	1.13
32x10	1 1/4x3/8	32	36.5	0.26	80x32	3x1 1/4	53.5	68	1.13
32x15	1 1/4x1/2	32	37	0.26	80x40	3x1 1/2	56	59	1.13
32x20	1 1/4x3/4	36	41	0.28	80x50	3x2	60.5	71	1.13
32x25	1 1/4x1	40	42	0.30	80x65	3x2 1/2	71	74	1.13
40x15	1 1/2x1/2	34	41	0.27	100x32	4x1 1/4	60	85	2.00
40x20	1 1/2x3/4	37	42	0.30	100x40	4x1 1/2	62	85	2.00
40x25	1 1/2x1	42	46	0.35	100x50	4x2	68	86	2.00
40x32	1 1/2x1 1/4	46	48	0.42	100x65	4x2 1/2	77	89	2.00
50x15	2x1/2	35	47	0.44	100x80	4x3	82	90	2.00



Elbow 90° male female
Fig. 92



Nominal bore		Length Centre to face dim.A	Length Centre to Face dim.B	Weight Each
Metric	Imperial	mm	mm	Kgs
6mm	1/8	19	25	0.04
8mm	1/4	21	28	0.07
10mm	3/8	25	23	0.11
15mm	1/2	28	37	0.13
20mm	3/4	33	43	0.23
25mm	1	38	52	0.31
32mm	1 1/4	45	60	0.51
40mm	1 1/2	50	65	0.62
50mm	2	58	74	1.02
65mm	2 1/2	69	88	1.60
80mm	3	78	98	2.31
100mm	4	96	118	4.15
150mm	6	127.5	202	9.74



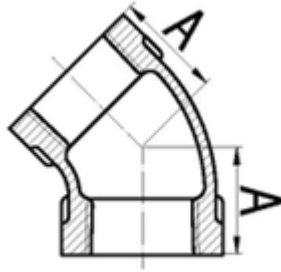
Cone seat union elbow iron to iron seats

Female fig. 96

Male/female fig. 98



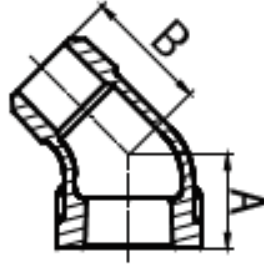
Nominal bore		Female			Male/Female		
		Length centre to face dim. A	Length to centre to face dim.B	Weight each	Length centre to face dim. A	Length to centre to face dim.B	Weight each
Metric	Imperial	mm	mm	kg	mm	mm	kg
15mm	1/2	58	28	0.27	76	28	0.28
20mm	3/4	62	33	0.36	82	33	0.41
25mm	1	72	38	0.45	94	38	0.55
32mm	1 1/4	82	45	0.73	107	45	0.90
40mm	1 1/2	90	50	0.92	115	50	1.07
50mm	2	100	58	1.47	128	58	1.56



**Elbow 45°
Fig. 120**



Nominal bore		Length Centre to face dim.A	Weight each
Metric	Imperial	mm	Kgs
6	1/8	16	0.03
8	1/4	18.5	0.05
10	3/8	20	0.08
15	1/2	22	0.08
20	3/4	25	0.13
25	1	28	0.20
32	1 1/4	33	0.33
40	1 1/2	50	0.42
50	2	58	0.66
65	2 1/2	69	1.01
80	3	78	1.47
100	4	96	2.61

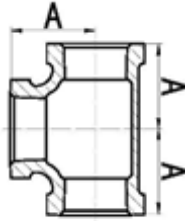


45° male female Elbow

Fig. 121



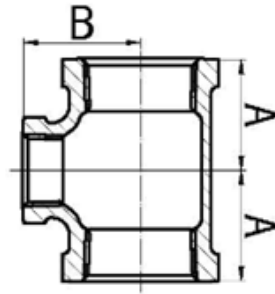
Nominal bore		Length centre to face dim. A	Length centre to face dim. B	Weight each
Metric	Imperial	mm	mm	kgs
6mm	1/8	16	21	0.03
8mm	1/4	18.5	24	0.04
10mm	3/8	20	25	0.07
15mm	1/2	22	28	0.10
20mm	3/4	25	32	0.15
25mm	1	28	37	0.25
32mm	1 1/4	33	43	0.37
40mm	1 1/2	50	46	0.48
50mm	2	58	55	0.79
65mm	2 1/2	69	65	1.43
80mm	3	78	76	2.13
100mm	4	96	94	3.84



**Equal Tee,
Fig. 130**



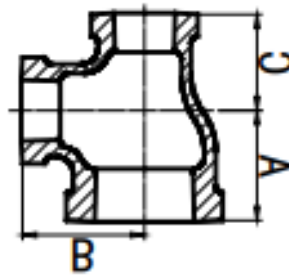
Nominal bore		Length Centre to face dim.A	Weight each
Metric	Imperial	mm	Kgs
6mm	1/8	19	0.04
8mm	1/4	21	0.07
10mm	3/8	25	0.11
15mm	1/2	28	0.13
20mm	3/4	33	0.23
25mm	1	38	0.31
32mm	1 1/4	45	0.51
40mm	1 1/2	50	0.62
50mm	2	58	1.02
65mm	2 1/2	69	1.6
80mm	3	78	2.31
100mm	4	96	4.15



**Reducing tee
(reducing on branch only)
Fig. 130R**



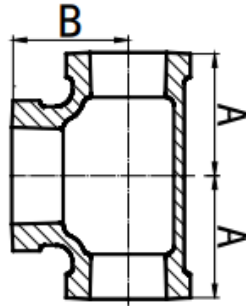
Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Weight each	Nominal bore		Length Centre to face dim.A	Length to centre to face dim.B	Weight each
Metric	Imperial	mm	mm	kgs	Metric	Imperial	mm	mm	kgs
8x6	1/4x1/8	18.5	19	0.06	50x20	2x3/4	40	50	0.74
10x8	3/8x1/4	22	22.5	0.09	50x25	2x1	44	52	0.74
15x6	1/2x1/8	22	23	0.05	65x15	2 x 1 1/4	48	54	0.82
15x8	1/2x1/4	24	24	0.12	65x20	2 x 1 1/2	52	55	0.88
15x10	1/2x3/8	26	26	0.13	65x25	2 1/2 x 1/2	40	56	1.33
20x8	3/4x1/4	26	27	0.17	65x32	2 1/2 x 3/4	43	57	1.01
20x10	3/4x3/8	28	28	0.19	65x40	2 1/2 x 1/2	47	60	1.09
20x15	3/4x1/2	30	31	0.18	65x50	2 1/2 x 1 1/4	52	62	1.17
25x8	1x1/4	28	31	0.22	80x15	2 /12 x 1 1/2	55	63	1.24
25x10	1x3/8	30	32	0.29	80x20	2 1/2 x 2	61	66	1.37
25x15	1x1/2	32	34	0.28	80x25	3 x 1/2	42	64	1.62
25x20	1 x 3/4	35	36	0.27	80x32	3 x 3/4	43	65	1.4
32x10	1 1/4 x 3/8	32	36	0.33	80x40	3 x 1	51	67	1.47
32x15	1 1/4 x 1/2	34	38	0.35	80x50	3 x 1 1/4	55	70	1.59
32x20	1 1/4x3/4	36	41	0.40	80x65	3 x 1 1/2	58	71	1.67
32x25	1 1/4 x 1	40	42	0.43	100x15	3 x 2	64	73	1.81
40x10	1 1/2 x 3/8	34	39	0.50	100x20	3 x 2 1/2	72	76	2.14
40x15	1 1/2 x 1/2	36	42	0.44	100x25	4 x 1	56	81	2.49
40x20	1 1/2 x 3/4	38	44	0.47	100x32	4 x 1 1/4	60	84	2.63
40x25	1 1/2 x 1	42	46	0.51	100x40	4 x 1 1/2	61	84	2.76
40x32	1 1/2 x 1 1/4	46	48	0.58	100x50	4 x 2	70	86	2.91
50x10	2 x 3/8	36	46	0.60	100x65	4 x 2 1/2	84	92	3.23
50x15	2 x 1/2	38	48	0.65	100x80	4 x 3	82	90	3.47



**Reducing tee
(reducing 2 sizes)
Fig. 130R**



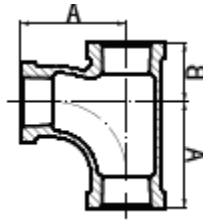
Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Length to centre to face dim. C	Weight each	Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Length to centre to face dim. C	Weight each
Metric	Imperial	mm	mm	mm	kgs	Metric	Imperial	mm	mm	mm	kgs
20x15x15	3/4x1/2x1/2	30	31	28	0.20	40X25X40	1 1/2x1x1 1/2	50	50	46	0.67
20x15x20	3/4x1/2x3/4	33	33	31	0.22	40X32X40	1 1/2x1 1/4x1 1/2	50	50	48	0.72
25x15x15	1x1/2x1/2	32	34	28	0.23	40X25X32	1 1/2x1x1 1/4	45	47	42	0.59
25x20x20	1x3/4x3/4	35	36	33	0.39	40X32X15	1 1/2x1 1/4x1/2	36	42	34	0.48
25x15x25	1x1/2x1	32	34	28	0.33	40X32X20	1 1/2x1 1/4x3/4	38	44	36	0.52
25x20x25	1x3/4x1	38	38	36	0.36	40X32X25	1 1/2x1 1/4x1	42	46	40	0.58
25X20X15	1x3/4x1/2	35	36	33	0.36	50X25X25	2x1x1	44	51	38	0.66
32x15x15	1 1/4x1/2x1/2	34	38	27	0.35	50X32X32	2x1 1/4x1 1/4	48	54	45	0.79
32x20x20	1 1/4x3/4x3/4	36	41	33	0.40	50X40X40	2x1 1/2x1 1/2	52	55	50	0.92
32x25x25	1 1/4x1/1	40	42	38	0.43	50X15X50	2x1/2x2	57	57	48	0.69
32x15x32	1 1/4x1/2x1 1/4	45	45	38	0.35	50X20X50	2x3/4x2	58	58	50	0.94
32x20x32	1 1/4x3/4x1 1/4	45	45	41	0.40	50X25X50	2x1x2	58	58	52	1.02
32x25x32	1 1/4x1x1 1/4	45	45	42	0.43	50X32X50	2x1 1/4x2	58	58	54	1.04
32X20X15	1 1/4x3/4x1/2	40	43	37	0.35	50X40X50	2x1 1/2x2	58	58	55	1.09
32X20X25	1 1/4x3/4x1	40	42	36	0.51	50X40X15	2x1 1/2x1/2	38	48	36	0.65
32X25X20	1 1/4x1x3/4	36	41	35	0.41	50X40X20	2x1 1/2x3/4	40	50	39	0.65
40x20x20	1 1/2x3/4x3/4	38	43	32	0.44	50X40X25	2x1 1/2x1	44	52	42	0.76
40x25x25	1 1/2x1x1	42	46	38	0.53	50X40X32	2x1 1/2x1 1/4	48	54	46	0.84
40x32x32	1 1/2x1 1/4x1 1/4	46	48	45	0.65	65X50X50	2 1/2x2x2	61	66	57	1.91
40x15x40	1 1/2x1/2x1 1/2	50	50	42	0.61	65X40X65	2 1/2x1 1/2x2 1/2	69	69	64	1.7
40X20X40	1 1/2x3/4x1 1/2	50	50	44	0.63	65X50X65	2 1/2x2x2 1/2	67	67	65	1.91



Tee
(increasing on branch)
Fig. 130R



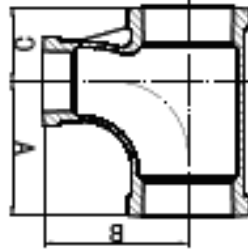
Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Length to centre to face dim. C	Weight each	Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Length to centre to face dim. C	Weight each
Metric	Imperial	mm	mm	mm	kgs	Metric	Imperial	mm	mm	mm	kgs
20x15x15	3/4x1/2x1/2	30	31	28	0.20	40X25X40	11/2x1x11/2	50	50	46	0.67
20x15x20	3/4x1/2x3/4	33	33	31	0.22	40X32X40	11/2x11/4x11/2	50	50	48	0.72
25x15x15	1x1/2x1/2	32	34	28	0.23	40X25X32	11/2x1x11/4	45	47	42	0.59
25x20x20	1x3/4x3/4	35	36	33	0.39	40X32X15	11/2x11/4x1/2	36	42	34	0.48
25x15x25	1x1/2x1	32	34	28	0.33	40X32X20	11/2x11/4x3/4	38	44	36	0.52
25x20x25	1x3/4x1	38	38	36	0.36	40X32X25	11/2x11/4x1	42	46	40	0.58
25X20X15	1x3/4x1/2	35	36	33	0.36	50X25X25	2x1x1	44	51	38	0.66
32x15x15	11/4x1/2x1/2	34	38	27	0.35	50X32X32	2x11/4x11/4	48	54	45	0.79
32x20x20	11/4x3/4x3/4	36	41	33	0.40	50X40X40	2x11/2x11/2	52	55	50	0.92
32x25x25	11/4x1/1	40	42	38	0.43	50X15X50	2x1/2x2	57	57	48	0.69
32x15x32	11/4x1/2x11/4	45	45	38	0.35	50X20X50	2x3/4x2	58	58	50	0.94
32x20x32	11/4x3/4x11/4	45	45	41	0.40	50X25X50	2x1x2	58	58	52	1.02
32x25x32	11/4x1x11/4	45	45	42	0.43	50X32X50	2x11/4x2	58	58	54	1.04
32X20X15	11/4x3/4x1/2	40	43	37	0.35	50X40X50	2x11/2x2	58	58	55	1.09
32X20X25	11/4x3/4x1	40	42	36	0.51	50X40X15	2x11/2x1/2	38	48	36	0.65
32X25X20	11/4x1x3/4	36	41	35	0.41	50X40X20	2x11/2x3/4	40	50	39	0.65
40x20x20	11/2x3/4x3/4	38	43	32	0.44	50X40X25	2x11/2x1	44	52	42	0.76
40x25x25	11/2x1x1	42	46	38	0.53	50X40X32	2x11/2x11/4	48	54	46	0.84
40x32x32	11/2x11/4x11/4	46	48	45	0.65	65X50X50	21/2x2x2	61	66	57	1.91
40x15x40	11/2x1/2x11/2	50	50	42	0.61	65X40X65	21/2x11/2x21/2	69	69	64	1.7
40X20X40	11/2x3/4x11/2	50	50	44	0.63	65X50X65	21/2x2x21/2	67	67	65	1.91



Equal pitcher tee
Fig. 131



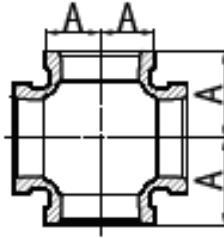
Nominal bore		Length centre to face dim. A	Length centre to face dim. B	Weight each
Metric	Imperial	mm	mm	kgs
15mm	1/2	45	24	0.20
20mm	3/4	50	28	0.25
25mm	1	63	33	0.52
32mm	1 1/4	76	40	0.66
40mm	1 1/2	85	43	1.13
50mm	2	102	53	1.86



Reducing pitcher tee
Fig. 131R



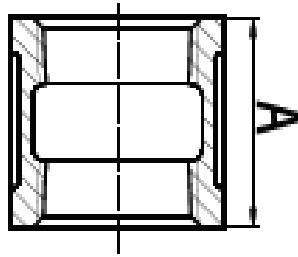
Nominal bore		Length Centre to face dim. A	Length to centre to face dim. B	Length to centre to face dim. C	Weight each
Metric	Imperial	mm	mm	mm	kgs
20x15	3/4x1/2	47	48	25	0.20
25x15	1x1/2	49	51	28	0.27
25x20	1x3/4	53	54	30	0.30
25x20x20	1x3/4x3/4	53	54	28	0.30
32x15	1 1/4x1/2	51	56	30	0.40
32x20	1 1/4x3/4	55	58	33	0.44
32x25	1 1/4x1	66	68	36	0.50
40x20	1 1/2x3/4	55	61	33	0.50
40x25	1 1/2x1	66	71	36	0.57
40x32	1 1/2x1 1/4	80	78	37	0.60
50x15	2x1/2	53	62	26	0.64
50x20	2x3/4	69	75	39	0.70
50x25	2x1	70	77	40	0.89
50x32	2x 1 1/4	80	85	44	0.97
50x40	2x1 1/2	90	95	44	1.11



Equal cross
Fig. 180



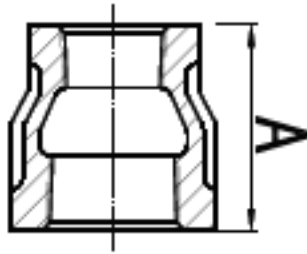
Nominal bore		Length Centre to face dim. A	Weight each
Metric	Imperial	mm	kgs
8	1/4	21	0.08
10	3/8	25	0.12
15	1/2	28	0.19
20	3/4	33	0.30
25	1	38	0.38
32	1 1/4	45	0.61
40	1 1/2	50	0.90
50	2	58	1.20
65	2 1/2	69	1.90
80	3	78	2.68
100	4	96	4.84



Taper thread socket
Fig. 220



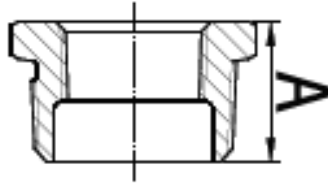
Nominal bore		Length dim.A	Weight each
Metric	Imperial	mm	kgs
8	1/4	36	0.03
10	3/8	38	0.02
15	1/2	44	0.06
20	3/4	47	0.09
25	1	53	0.14
32	1 1/4	57	0.23
40	1 1/2	59	0.28
50	2	68	0.41
65	2 1/2	75	0.61
80	3	83	0.94
100	4	96	0.52
150	6	110	4.54



Reducing socket
Fig. 240



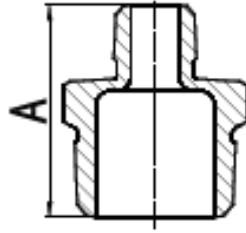
Nominal bore		Length dim. A	Weight each	Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs	Metric	Imperial	mm	kgs
10x6	3/8x1/8	30	0.04	50x25	2x1	65	0.41
10x8	3/8x1/4	30	0.05	50x32	2x11/4	65	0.46
15x8	1/2x1/4	36	0.06	50x40	2x11/2	74	0.47
15x10	1/2x3/8	36	0.08	65x15	21/2x1/2	74	0.56
20x8	3/4x1/4	39	0.10	65x20	21/2x3/4	74	0.56
20x10	3/4x3/8	39	0.11	65x25	21/2x1	74	0.58
20x15	3/4x1/2	39	0.10	65x32	21/2x11/4	74	0.63
25x8	1x1/4	45	0.14	65x40	21/2x11/2	74	0.64
25x10	1x3/8	45	0.13	65x50	21/2x2	74	0.72
25x15	1x1/2	45	0.14	80x32	3x11/4	80	1.86
25x20	1x3/4	45	0.15	80x40	3x11/2	80	0.88
40x15	11/2x1/2	55	0.25	80x50	3x2	80	0.96
40x20	11/2x3/4	55	0.27	80x65	3x21/2	80	1.03
40x32	11/2x11/4	55	0.33	100x50	4x2	94	1.58
50x15	2x1/2	65	0.38	100x65	4x21/2	94	1.60
50x20	2x3/4	65	0.41	100x80	4x3	94	1.74



Hex bush
Fig. 241



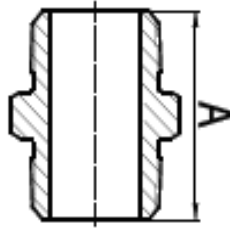
Nominal bore		Length dim. A	Weight each	Nominal bore		Length dim. A	Weight each
Metric	Imperial			Metric	Imperial		
8x6	1/4x1/8	20	0.02	40x15	11/2x1/2	31	0.26
10x6	3/8x1/8	20	0.02	40x20	11/2x3/4	31	0.25
10x8	3/8x1/4	20	0.02	40x25	11/2x1	31	0.21
15x6	1/2x1/8	24	0.04	40x32	11/2x11/4	31	0.14
15x8	1/2x1/4	24	0.04	50x25	2x1	35	0.44
15x10	1/2x3/8	24	0.03	50x32	2x11/4	35	0.37
20x8	3/4x1/4	26	0.08	50x40	2x11/2	35	0.30
20x10	3/4x3/8	26	0.07	65x15	21/2x1/2	40	0.74
20x15	3/4x1/2	26	0.06	65x20	21/2x3/4	40	0.84
25x8	1x1/4	29	0.12	65x40	21/2x11/2	40	0.68
25x10	1x3/8	29	0.11	65x50	21/2x2	40	0.53
25x15	1x1/2	29	0.11	80x50	3x2	44	1.05
25x20	1x3/4	29	0.09	80x65	3x21/2	44	0.68
32x10	11/4x3/8	31	0.20	100x20	4x3/4	51	2.17
32x15	11/4x1/2	31	0.21	100x25	4x1	51	2.17
32x20	11/4x3/4	31	0.18	100x32	4x11/4	51	2.20
32x25	11/4x1	31	0.13	100x40	4x11/2	51	2.13
40x8	11/2x1/4	31	0.25	100x80	4x3	51	1.59
40x10	11/2x3/8	31	0.25				



Reducing hexagon nipple
Fig. 245



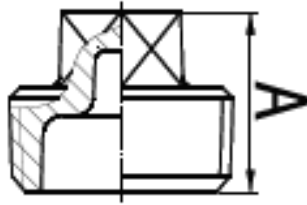
Nominal bore		Length dim. A	Weight each	Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs	Metric	Imperial	mm	kgs
8x6	1/4x1/8	31	0.02	40x32	1 1/2x1 1/4	59	0.28
10x8	3/8x1/4	38	0.04	50x15	2x1/2	68	0.45
15x8	1/2x1/4	44	0.06	50x20	2x3/4	68	0.45
15x10	1/2x3/8	44	0.05	50x25	2x1	68	0.45
20x10	3/4x3/8	47	0.09	50x32	2x1 1/4	68	0.48
20x15	3/4x1/2	47	0.13	50x40	2x1 1/2	68	0.48
25x15	1x1/2	53	0.13	65x32	2 1/2x1 1/4	75	0.78
25x20	1x3/4	53	0.13	65x40	2 1/2x1 1/2	75	0.78
32x15	1 1/4x1/2	57	0.21	65x50	2 1/2x2	75	0.78
32x20	1 1/4x3/4	57	0.21	80x40	3x1 1/2	83	1.10
32x25	1 1/4x1	57	0.21	80x50	3x2	83	1.14
40x15	1 1/2x1/2	59	0.27	80x65	3x2 1/2	83	1.15
40x20	1 1/2x3/4	59	0.27	100x80	4x3	87	1.66
40x25	1 1/2x1	59	0.27				



Equal hexagon nipple
Fig. 280



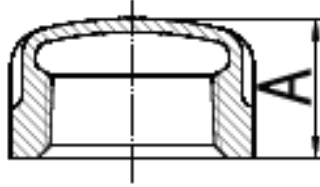
Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs
6	1/8	29	0.02
8	1/4	36	0.03
10	3/8	38	0.03
15	1/2	44	0.06
20	3/4	47	0.09
25	1	53	0.14
32	1 1/4	57	0.23
40	1 1/2	59	0.28
50	2	68	0.41
65	2 1/2	75	0.61
80	3	83	0.94
100	4	95	1.52



Plain plug
Hollow Fig. 291
Solid Fig. 291S



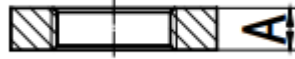
Nominal bore		Length dim. A mm	Hollow	Solid
Metric	Imperial		Weight each kgs	Weight each kgs
6	1/8	11	N/A	0.01
8	1/4	14	N/A	0.02
10	3/8	15	N/A	0.02
15	1/2	18	0.03	0.04
20	3/4	20	0.06	0.07
25	1	23	0.09	0.14
32	1 1/4	29	0.14	0.23
40	1 1/2	30	0.20	0.34
50	2	36	0.30	0.54
65	2 1/2	39	0.46	N/A
80	3	44	0.70	N/A
100	4	58	1.27	N/A
150	6	71.5	3.00	N/A



Cap
Fig. 300



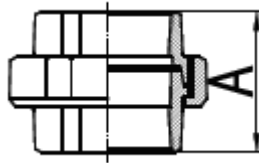
Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs
6	1/8	13	0.01
8	1/4	15	0.02
10	3/8	17	0.04
15	1/2	19	0.06
20	3/4	22	0.09
25	1	24	0.10
32	1 1/4	27	0.16
40	1 1/2	27	0.21
50	2	24	0.33
65	2 1/2	35	0.5
80	3	38	0.71
100	4	45	1.34



Backnut
Fig. 310



Nominal bore		Thickness dim. A	Weight each
Metric	Imperial	mm	kgs
8	1/4	6	0.02
10	3/8	7	0.02
15	1/2	8	0.04
20	3/4	9	0.05
25	1	10	0.09
32	1 1/4	11	0.12
40	1 1/2	12	0.14
50	2	13	0.24
65	2 1/2	16	0.46
80	3	19	0.56
100	4	23	1.08

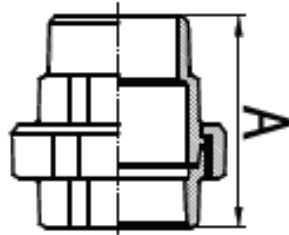


Female cone seat union
Iron to iron seats fig. 340
Bronze to iron seats “railroad” fig. 342
Double bronze seats “navy” fig 342 A



Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs
6	1/8	38	0.08
8	1/4	42	0.11
10	3/8	45	0.12
15	1/2	48	0.23
20	3/4	52	0.28
25	1	58	0.38
32	1 1/4	65	0.59
40	1 1/2	70	0.68
50	2	78	1.19
65	2 1/2	85	1.79
80	3	95	2.34
100	4	100	3.82

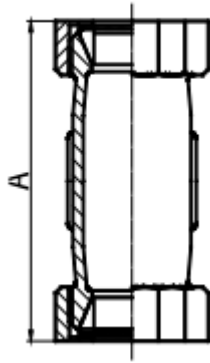
Single bronze an double bronze seat unions are available in sizes 8mm (1/4”) to 65mm (2 ½”) only.



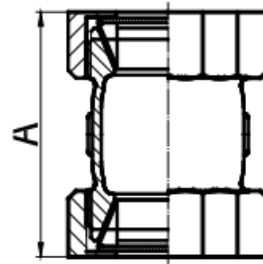
Cone seat union M/F
Iron to iron seats fig. 341



Nominal bore		Length dim. A	Weight each
Metric	Imperial	mm	kgs
15	1/2	66	0.23
20	3/4	72	0.31
25	1	80	0.44
32	1 1/4	90	0.75
40	1 1/2	95	0.85
50	2	106	1.36
65	2 1/2	118	2.16
80	3	130	2.75



Long pattern



Short pattern

Galvanised compression coupling

Long pattern fig. LCC

Short pattern fig. SCC



Nominal bore		Long pattern		Short pattern	
		Length dim. A	Weight each	Length dim. A	Weight each
Metric	Imperial	mm	kgs	mm	kgs
15mm	1/2	93	0.35	n/a	-
20mm	3/4	101	0.44	69	0.35
25mm	1	109	0.60	73	0.45
32mm	1 1/4	114	0.70	n/a	-
40mm	1 1/2	118	0.95	n/a	-
50mm	2	121	1.00	n/a	-

Fitted with EPDM seals. Suitable for hot water up to 80° C.
Maximum working pressure 16 bar.