

Hebei Jianzhi Casting Group Ltd.

河北建支铸造集团有限公司





Nearly 40 Years Munufacture Experience

Profile

Hebei Jianzhi Casting Group Ltd. was established in 1982, specialized in manufacturing cast iron pipe fittings for water pipeline, gas pipeline, HVAC system and fire protection system.

The company covers an area of 680,000 square meters and the total assets value is 1 billion RMB. It has more than 3000 employees. Main products include Ductile iron grooved fittings, Malleable iron threaded fittings and Malleable iron plastic lining fittings. The annual production capacity is more than 80,000 metric tons.

The company possesses more than 20 patents, among which the JSS-12 energy-saving annealer and the new type Light Malleable Iron Fittings were granted the National Key New Products.

The company complies ISO9001, ISO14001 and OHSAS18001, obtains certifications including UL and FM of America , CE of the EU, ABNT of Brazil, TSE of Turkey and China Compulsory Certification (CCC).

Hebei Jianzhi Casting Group Ltd. has participated in the amendments of five national standards, including GB/T3287, GB/T9440, GB/T25746, etc.



General Info

Application:

Suitable for pressure Max 1.6 MPa, temperature Max 200°C, and for pipeline holding water, oil, gas, etc.

Finishing:

(Black) Painting, Galvanizing, Electro-plating, Standards.

Standard

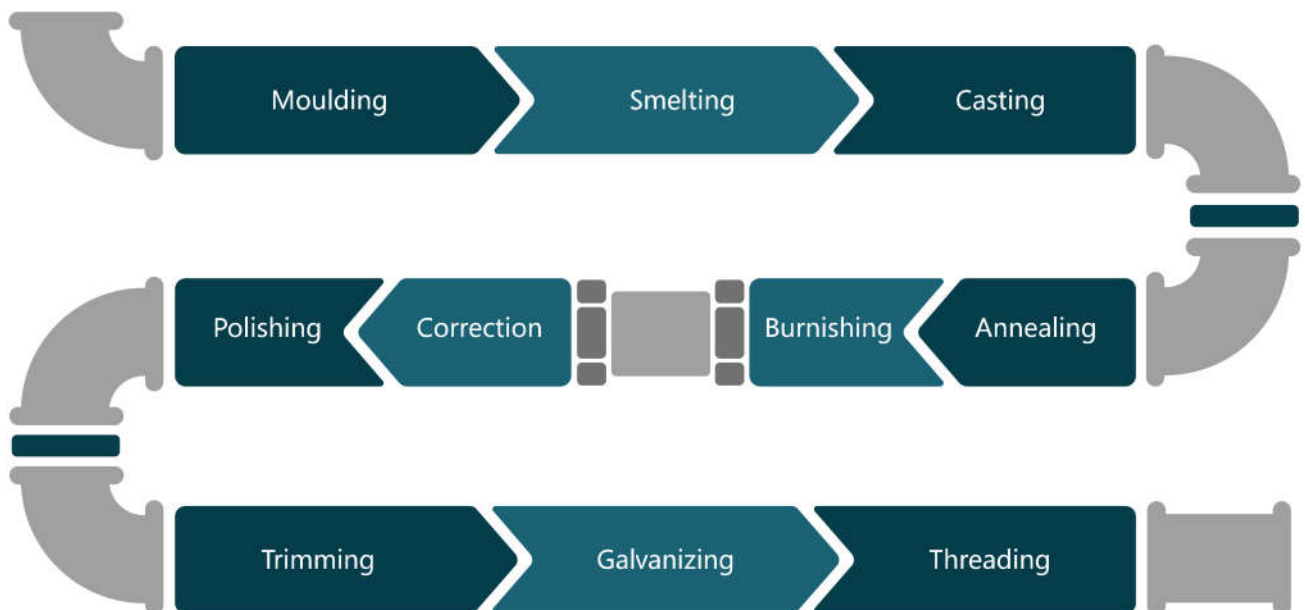
Q/JZ01-2012
(partially based on JIS B2301)
GB/T3287-2011
ISO5922/ISO49/ISO7-1
BS EN1562:1997
DIN2950/1692/2999
ANSI/ASTM A 197/A 197M-2000
ANSI/ASME 16.3-92/B1.20.1-83

Mechanical Properties

Tensile Strength ≥ 330 MPa;
Elongation rate $\geq 8\%$;
Hardness $\leq$ HB150.



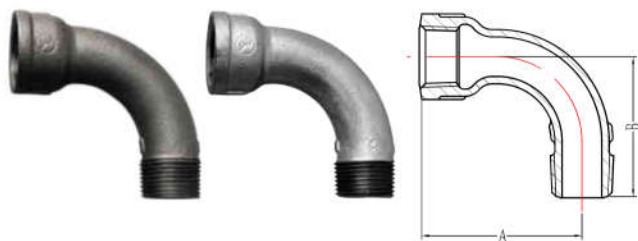
Production Process



*Each procedure is processed with strict detection.



90° M&F Long Sweep Bend



Unit:mm

1

Size	In	3/8	1/2	3/4	1	1¼	1½
	mm	10	15	20	25	32	40
A		48	55	69	85	105	116
B		42	48	60	75	95	105
Size	In	2	2½	3	4	-	-
	mm	50	65	80	100	-	-
A		140	176	205	260	-	-
B		130	165	190	245	-	-

Crossover

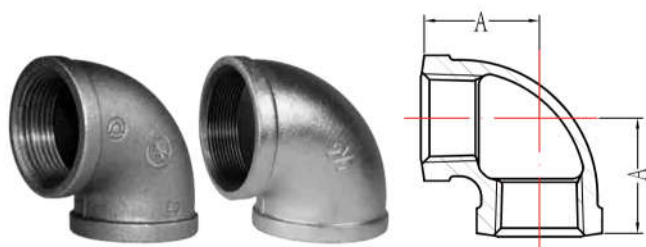


Unit:mm

85

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
L		90	104	120	149	160	194

90° Elbow



Unit:mm

90

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
A		20	24	27	32	37	44.5
Size	In	1½	2	2½	3	4	6
	mm	40	50	65	80	100	150
A		48.5	57	68.5	77.5	96.5	129

90° M&F Elbow



Unit:mm

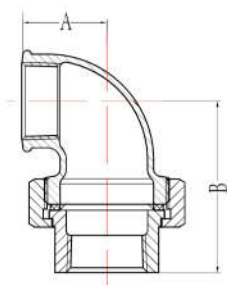
92

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
A		20	25	28	33	38	45
B		28	33	38	44	52	60
Size	In	1½	2	2½	3	4	-
	mm	40	50	65	80	100	-
A		50	58	69	77.5	96.5	-
B		65	74	90	100	120	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Union Elbow Flat Seat

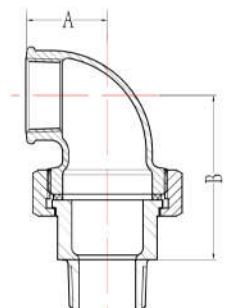


Unit:mm

95

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		24.5	29	35	42	45.5	53.5
B		54	60	68	80	86	97

M&F Union Elbow Flat Seat

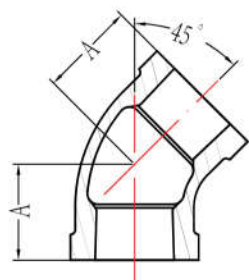


Unit:mm

97

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		24.5	29	35	42	45.5	53.5
B		72	80	90	105	111	125

45° Elbow

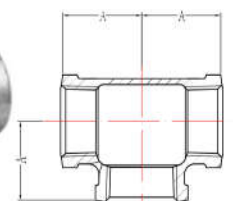


Unit:mm

120

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		22	25	28	33	36	43
Size	In	2½	3	4	6	-	-
	mm	65	80	100	150	-	-
A		48.5	53.5	64.5	129	-	-

Tee



Unit:mm

130

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
A		20	24	27	32	37	44.5
Size	In	1½	2	2½	3	4	6
	mm	40	50	65	80	100	150
A		48.5	57	68.5	77.5	96.5	129

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Cross Female

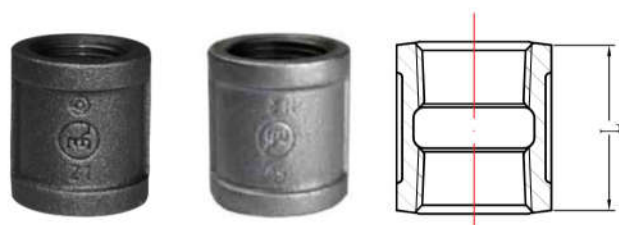


Unit:mm

180

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		27	32	37	44.5	48.5	57
Size	In	2½	3	4	-	-	-
	mm	65	80	100	-	-	-
A		68.5	77.5	96.5	-	-	-

Part Threaded Socket

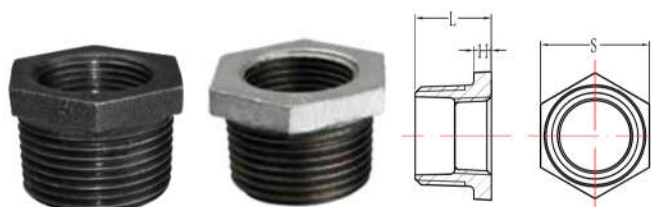


Unit:mm

220

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
L		26	29	35	38	44	49
Size	In	1½	2	2½	3	4	6
	mm	40	50	65	80	100	150
L		53	63	72	77	91	118

Bushing



Unit:mm

241

Size	In	3/8×1/4	1/2×1/4	1/2×3/8	3/4×3/8	3/4×1/2	1×1/2
	mm	10×8	15×8	15×10	20×10	20×15	25×15
L		18.5	22.5	22.5	24.5	24.5	28
H		6	6	6	6	6	6.5
S		18.4	22	22	29.6	29.6	37.4

Hexagon Nipple, Equal



Unit:mm

280

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
L		36	36	44	47	53	56
S		16.7	19.2	23.6	29.2	36	45
Size	In	1½	2	2½	3	4	-
	mm	40	50	65	80	100	-
L		58	68	73	81	95	-
S		51	63	79.4	91.6	117	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Beaded Plug

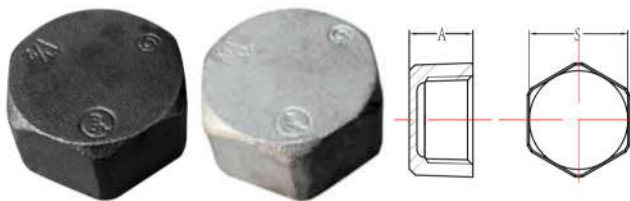


Unit:mm

290

Size	In	1/4	3/8	1/2	3/4	1	1 1/4
	mm	8	10	15	20	25	32
A		22.5	25	28	32	36	38.5
S		6	7	10	12	16	20
Size	In	1 1/2	2	2 1/2	3	-	-
	mm	40	50	65	80	-	-
A		41	47	48.5	53	-	-
S		22	28	30	34	-	-

Octagonal Cap



Unit:mm

300

Size	In	3/8	1/2	3/4	1	1 1/4	1 1/2
	mm	10	15	20	25	32	40
A		17	19	22	24	27	28
S		20.6	24.6	30.4	37.2	47	53
Size	In	2	-	-	-	-	-
	mm	50	-	-	-	-	-
A		32	-	-	-	-	-
S		65	-	-	-	-	-

Round Cap



Unit:mm

301

Size	In	3/8	1/2	3/4	1	1 1/4	1 1/2
	mm	10	15	20	25	32	40
A		17	19	22	24	27	28
Size	In	2	2 1/2	3	4	-	-
	mm	50	65	80	100	-	-
A		32	36	39	46	-	-

Backnut



Unit:mm

310

Size	In	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
A		9	10	11	11	12	13
S		29	36	45	56	63	77
Size	In	2 1/2	3	4	-	-	-
	mm	65	80	100	-	-	-
A		15	18	21	-	-	-
S		93	109	137	-	-	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Round Flange, Without Bolt Hole



Unit:mm

321

Size	In	1¼	1½	2	2½	3	4
	mm	32	40	50	65	80	100
A		24	26	29	33	34	39
B		105	110	125	145	160	180

Union, Coupling

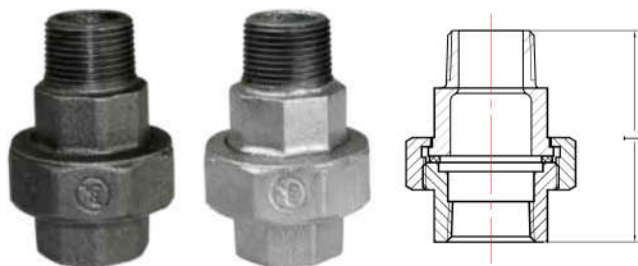


Unit:mm

330

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
L		46	50	56	63	68	76
Size	In	2½	3	4	-	-	-
	mm	65	80	100	-	-	-
L		83	93	113.5	-	-	-

M&F Straight Union, Conical Seat



Unit:mm

341

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
L		65	71.5	79	90	96	107

Side Outlet Elbow



Unit:mm

1221

Size	In	1/2	3/4	1
	mm	15	20	25
A		27	32	37

*Other sizes may also available, please indicate clearly on the inquiry or order list.

Short Compression Coupling

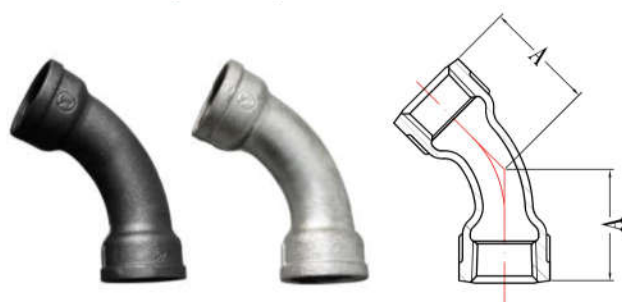


Unit:mm

SCC

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		53	58	64	-	-	-

Banded Long Sweep Bends



Unit:mm

41

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		36	43	51	64	-	-

Return Bend

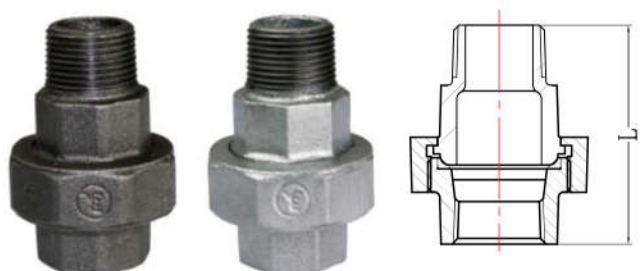


Unit:mm

90U

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		30	-	-	-	-	-
B		80	-	-	-	-	-

M&F Union, Conical Joint Brass to Iron Seat



Unit:mm

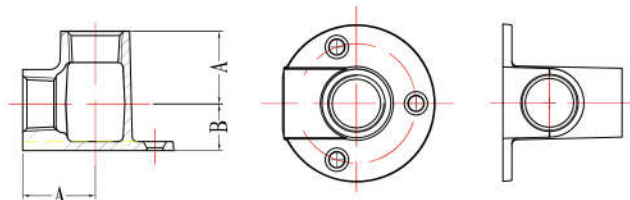
343

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
L		65	71	78.5	89	95	106.5

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Bracket Elbow



Unit:mm

471

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		28	33	-	-	-	-
B		18	20	-	-	-	-

Union Tail Piece(part of 330)



Unit:mm

372

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		-	-	26	30	-	-
S		-	-	38	48	-	-

Union Nut



Unit:mm

374

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		-	-	22	24	-	-
G		-	-	1½	2	-	-
S		-	-	54	65	-	-

Lateral Y Branch,45°



Unit:mm

165

Size	In	1/2	3/4	1	1¼	1½	2	2½	3	4
	mm	15	20	25	32	40	50	65	80	100
A		42	-	62	75	82	-	-	140	-
B		18	-	23	28	30	-	-	45	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Union, Conical Joint Brass to Iron Seat



Unit:mm

342

Size	In	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	15	20	25	32	40	50	65	80	100
L		47	51	56.5	64	70	78.5	84.5	94	110

Elbow, Reducing



Unit:mm

90R

Size		A	B	Size		A	B
mm	in			mm	in		
15×10	1/2×3/8	25	25	65×25	2 1/2×1	47.5	59
20×15	3/4×1/2	29	30	65×32	2 1/2×1 1/4	51.5	61
25×10	1×3/8	29	31	65×40	2 1/2×1 1/2	54.5	61
25×15	1×1/2	31	33	65×50	2 1/2×2	59.5	64
25×20	1×3/4	34	35	80×15	3×1/2	42.5	64
32×10	1 1/4×3/8	31	36	80×20	3×3/4	45.5	65
32×15	1 1/4×1/2	34	37	80×25	3×1	49.5	67
32×20	1 1/4×3/4	36	40	80×32	3×1 1/4	54.5	69
32×25	1 1/4×1	40	41	80×40	3×1 1/2	57.5	71
40×15	1 1/2×1/2	35	41	80×50	3×2	61.5	71
40×20	1 1/2×3/4	37	43	80×65	3×2 1/2	71.5	74
40×25	1 1/2×1	41	45	100×15	4×1/2	49.5	78
40×32	1 1/2×1 1/4	45	47	100×20	4×3/4	53.5	79
50×15	2×1/2	37	47	100×25	4×1	56.5	82
50×20	2×3/4	40	49	100×32	4×1 1/4	60.5	85
50×25	2×1	43	51	100×40	4×1 1/2	62.5	85
50×32	2×1 1/4	47	53	100×50	4×2	68.5	86
50×40	2×1 1/2	51	54	100×65	4×2 1/2	77.5	89
65×15	2 1/2×1/2	40.5	56	100×80	4×3	82.5	90
65×20	2 1/2×3/4	43.5	57	-	-	-	-

Union, Taper Seat



Unit:mm

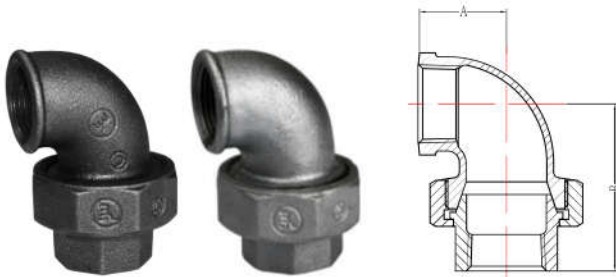
340

Size	In	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
L		47	51.5	57	65	71	79
Size	In	2 1/2	3	4	-	-	-
	mm	65	80	100	-	-	-
L		85.5	94.5	110.5	-	-	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Union Elbow, Conical Seat

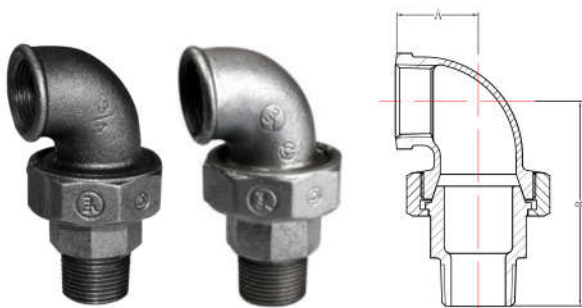


Unit:mm

96

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		27	32	37	44.5	48.5	57
B		49.5	57	64.5	74.5	82	94

M&F Union Elbow Conical Joint Iron to Iron



Unit:mm

98

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
A		27	32	37	44.5	48.5	57
B		67.5	77	86.5	99.5	107	122

Long Sweep Bend



Unit:mm

2

Size	In	3/8	1/2	3/4	1	1¼	1½
	mm	10	15	20	25	32	40
A		48	55	69	85	105	116
B		42	48	60	75	95	105
Size	In	2	2½	3	4	-	-
	mm	50	65	80	100	-	-
A		140	176	205	260	-	-
B		130	165	190	245	-	-

Entire Therad Socket



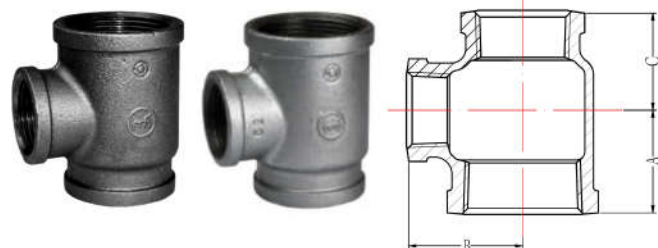
Unit:mm

270

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
L		26	29	35	38	44	49
Size	In	1½	2	2½	3	4	6
	mm	40	50	65	80	100	150
L		53	63	72	77	91	118

*Other sizes may also available, please indicate clearly on the inquiry or order list.

Reducing Tee

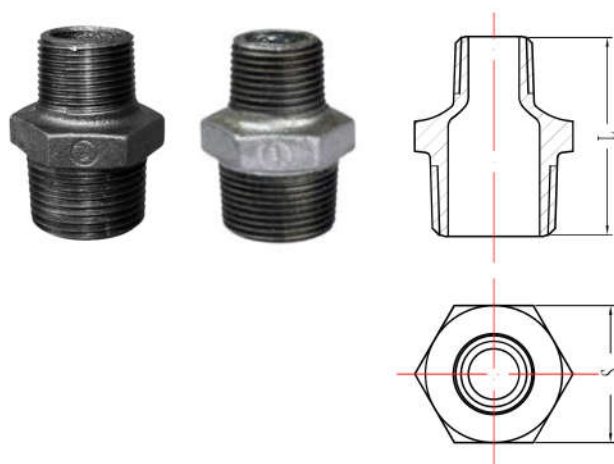


Unit:mm

131R

Size	In	1¼×1/2×1	1¼×3/4×1	1¼×1×1	1½×1/2×1¼	1½×3/4×1¼	1½×1×1
	mm	32×15×25	32×20×25	32×25×25	40×15×32	40×20×32	40×25×25
A		34	36	39	35	37	40
B		37	40	40	41	43	44
C		31	34	36	34	36	36
Size	In	1½×1¼×1¼	1½×1¼×1	1½×1¼×1¼	2×1/2×1½	2×3/4×1½	2×1×1¼
	mm	40×25×32	40×32×25	40×32×32	50×15×40	50×20×40	50×25×32
A		41	45	45	37	40	43
B		45	47	47	47	49	51
C		40	41	44.5	35	37	40
Size	In	2×1¼×1½	2×1¼×1¼	2×1¼×1½	2×1/2×1	2×1½×1½	2½×3/4×2
	mm	50×25×40	50×32×32	50×32×40	50×40×25	50×40×40	65×20×50
A		42	47	47	51	51	43.5
B		49	53	53	54	54	57
C		40	44.5	45	45	48.5	40
Size	In	2½×1×2	2½×1¼×1½	2½×1¼×2	2½×1½×2	2½×2×2	3×1×2½
	mm	65×25×50	65×32×40	65×32×50	65×40×50	65×50×50	80×25×65
A		45	51.5	51.5	54.5	59.5	49.5
B		58	61	61	61	64	67
C		42	45	47	51	57	47.5
Size	In	3×1¼×2½	3×1½×2½	3×2×2½	3×2½×2½	-	-
	mm	80×32×65	80×40×65	80×50×65	80×65×65	-	-
A		54.5	57.5	61.5	71.5	-	-
B		69	71	71	74	-	-
C		51.5	54.5	59.5	68.5	-	-

Nipples, Reducing



Unit:mm

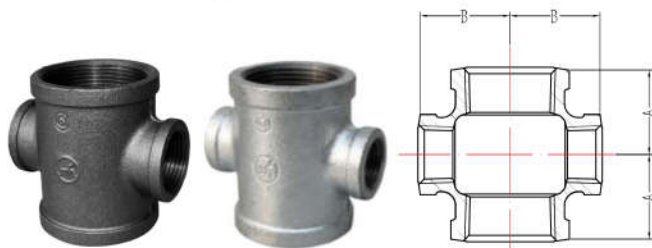
245

Size	mm	15×10	20×15	25×15	25×20	32×15	32×20
	In	1/2×3/8	3/4×1/2	1×1/2	1×3/4	1¼×1/2	1¼×3/4
L		44	47	53	53	57	57
S		24.4	29.9	36.8	36.8	45.6	45.6
Size	mm	32×25	40×15	40×20	40×25	40×32	50×15
	In	1¼×1	1¼×1/2	1½×3/4	1½×1	1½×1¼	2×1/2
L		57	59	59	59	59	68
S		45.6	50.5	50.5	50.5	50.5	63.5
Size	mm	50×20	50×25	50×32	50×40	-	-
	In	2×3/4	2×1	2×1¼	2×1½	-	-
L		68	68	68	68	-	-
S		63.5	63.5	63.5	63.5	-	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



Cross, Reducing

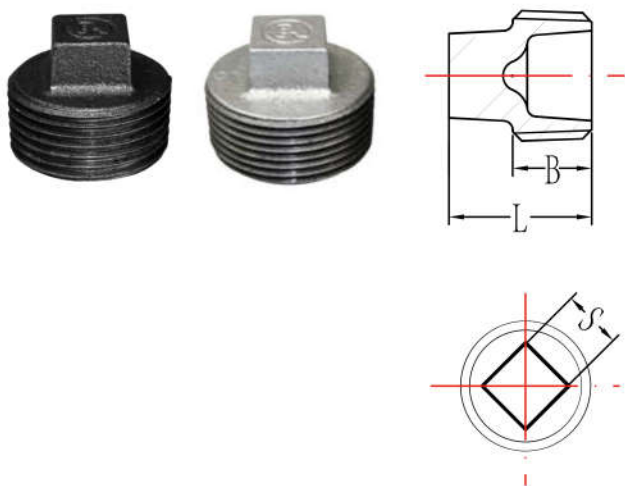


Unit:mm

180R

Size	mm	20×15	25×15	25×20	35×15	32×20	32×25
	In	3/4×1/2	1×1/2	1×3/4	1¼×1/2	1¼×3/4	1¼×1
A		29	31	34	34	36	40
B		30	33	35	37	40	41
Size	mm	40×15	40×20	40×25	40×32	50×15	50×20
	In	1½×1/2	1½×3/4	1½×1	1½×1¼	2×1/2	2×3/4
A		35	37	41	45	37	40
B		41	43	45	47	47	49
Size	mm	50×25	50×32	50×40	65×15	65×20	65×25
	In	2×1	2×1¼	2×1½	2½×1/2	2½×3/4	2½×1
A		43	47	51	40.5	43.5	47.5
B		51	53	54	56	57	59
Size	mm	65×32	65×40	65×50	80×15	80×20	80×25
	In	2½×1¼	2½×1½	2½×2	3×1/2	3×3/4	3×1
A		51.5	54.5	59.5	42.5	45.5	49.5
B		61	61	64	64	65	67
Size	mm	80×32	80×40	80×50	80×65	100×15	100×20
	In	3×1¼	3×1½	3×2	3×2½	4×1/2	4×3/4
A		54.5	57.5	61.5	71.5	49.5	53.5
B		69	71	71	74	78	79
Size	mm	100×25	100×32	100×40	100×50	100×65	100×80
	In	4×1	4×1¼	4×1½	4×2	4×2½	4×3
A		56.5	60.5	62.5	68.5	77.5	82.5
B		82	85	85	86	89	90

Plain Plug



Unit:mm

291

Size	In	1/4	3/8	1/2	3/4	1	1¼
	mm	8	10	15	20	25	32
L		15.5	17	22.5	24	27	30
B		10	10	13	14	16.5	20
S		6	7	10	12	15	18
Size	In	1½	2	2½	3	4	-
	mm	40	50	65	80	100	-
L		31	36	40.5	45.5	57	-
B		21	25	26.5	29.5	38	-
S		22	26	30	34	44	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.

Reducing Socket

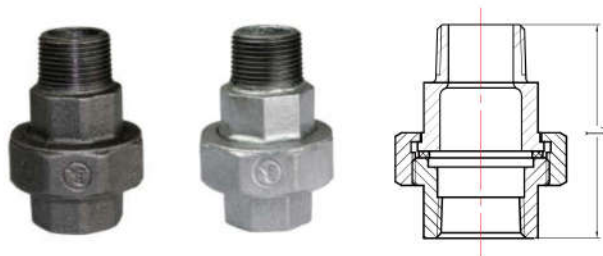


Unit:mm

240

Size	mm	10×8	15×8	15×10	20×15	25×10	25×15	
	In	3/8×1/4	1/2×1/4	1/2×3/8	3/4×1/2	1×3/8	1×1/2	
A		29	35	36	38	44	44	
Size	mm	32×15	32×20	32×25	40×15	40×20	40×25	
	In	1¼×1/2	1¼×3/4	1¼×1	1½×1/2	1½×3/4	1½×1	
A		49	49	49	53	53	53	
Size	mm	40×32	50×15	50×20	50×25	50×32	50×40	
	In	1½×1¼	2×1/2	2×3/4	2×1	2×1¼	2×1½	
A		53	63	63	63	63	63	
Size	mm	65×15	65×20	65×25	65×32	65×40	65×50	
	In	2½×1/2	2½×3/4	2½×1	2½×1¼	2½×1½	2½×2	
A		72	72	72	72	72	72	
Size	mm	80×15	80×20	80×25	80×32	80×40	80×50	
	In	3×1/2	3×3/4	3×1	3×1¼	3×1½	3×2	
A		71	71	71	71	71	71	
Size	mm	80×65	100×15	100×20	100×25	100×32	100×40	
	In	3×2½	4×1/2	4×3/4	4×1	4×1¼	4×1½	
A		71	84	84	84	84	84	
Size	mm	100×50	100×65	100×80	25×20	-	-	
	In	4×2	4×2½	4×3	1×3/4	-	-	
A		84	84	84	44	-	-	

M&F Unions, Flat Seat



Unit:mm

331

Size	In	1/2	3/4	1	1¼	1½	2
	mm	15	20	25	32	40	50
L		64	70	78	88	93	104

Round Flange, With 4 Bolt Holes



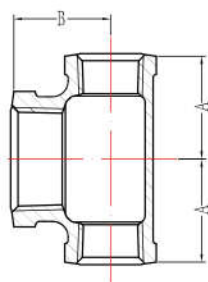
Unit:mm

329

Size	In	1¼	1½	2	2½	3	4
	mm	32	40	50	65	80	100
L		24	26	29	33	34	39
B		105	110	125	145	160	180
N-C		4-18	4-18	4-18	4-18	8-18	8-18
Size	In	6	-	-	-	-	-
	mm	150	-	-	-	-	-
L		42	-	-	-	-	-
B		240	-	-	-	-	-
N-C		8-22	-	-	-	-	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.

Tee, Reducing

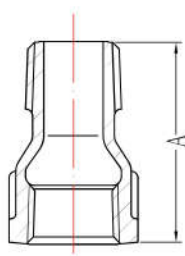


Unit:mm

130R

Size	mm	15×20	15×25	20×25	20×32	25×32	25×40
	In	1/2×3/4	1/2×1	3/4×1	3/4×1¼	1×1¼	1×1½
A		30	33	35	40	41	45
B		29	31	34	36	40	41
Size	mm	25×50	32×40	32×50	40×50	40×65	40×80
	In	1×2	1¼×1½	1¼×2	1½×2	1½×2½	1½×3
A		51	47	53	54	61	71
B		43	45	47	51	54.5	57.5
Size	mm	50×65	50×80	65×80	80×100	-	-
	In	2×2½	2×3	2½×3	3×4	-	-
A		63	71	74	90	-	-
B		58	61.5	71.5	82.5	-	-

M&F Socket



Unit:mm

529A

Size	In	1/2-SS	1/2-S	1/2-A	1/2-L	3/4	1
	mm	15-SS	15-S	15-A	15-L	20	25
A		32	35	40	44	45	52
Size	In	1¼	1½	2	3/4×1/2	1×1/2	1×3/4
	mm	32	40	50	20×15	25×15	25×20
A		57	60	66	47	54	54
Size	In	1¼×3/4	1¼×1	-	-	-	-
	mm	32×20	32×25	-	-	-	-
A		59	59	-	-	-	-

*Other sizes may also available, please indicate clearly on the inquiry or order list.



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