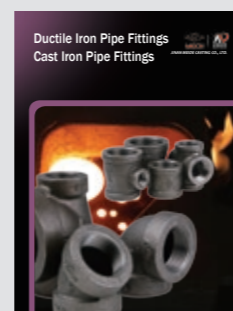
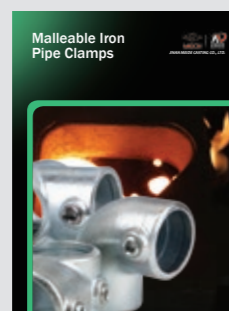
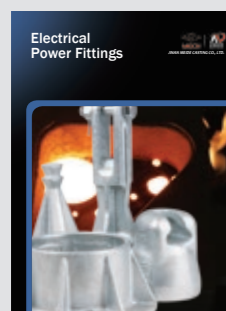
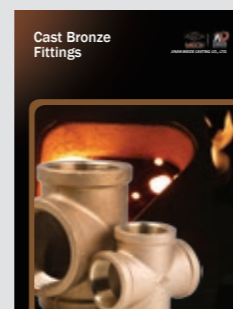
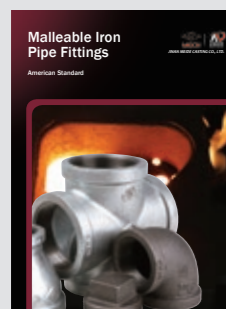


Ductile Iron Pipe Fittings Cast Iron Pipe Fittings



JIMSOAR INTERNATIONAL CORP.,

MECH FLOW SUPPLIES



JIMSOAR INTERNATIONAL CORP. P.O.

BOX 96-10 TAIPEI TAIWAN

Phone: (886) 02-27040238

Fax: (886) 02-27040177

Email: jimsoar@ms13.hinet.net

Http://www.jimsoar.com

UPDATED 03/2014



More than 50 years of Foundry Experience

Company Profile

Jimsoar International Corp. was established in 1962. In the past decades, Jimsoar has seized each opportunity to consolidate its strength, and has finally developed into what it is today, a large-scale enterprise group with advanced technology, equipment and strong comprehensive strength, known for its complete range of products, large producing capacity, high quality and strong R&D strength. The company owns altogether one main factory, three branch factories, an independent accounting steel pipe company, and a science & technology park.

The company is the largest manufacturer in the fitting industry with the most complete range of products, supplying malleable iron fittings, grooved fittings, grooved couplings, valves, cast iron fittings, ductile iron fittings, steel pipe nipples and couplings, stainless steel nipples, brass pipe nipples, cast bronze fittings, steel pipes, pipe hangers and supports, electric fittings, etc.

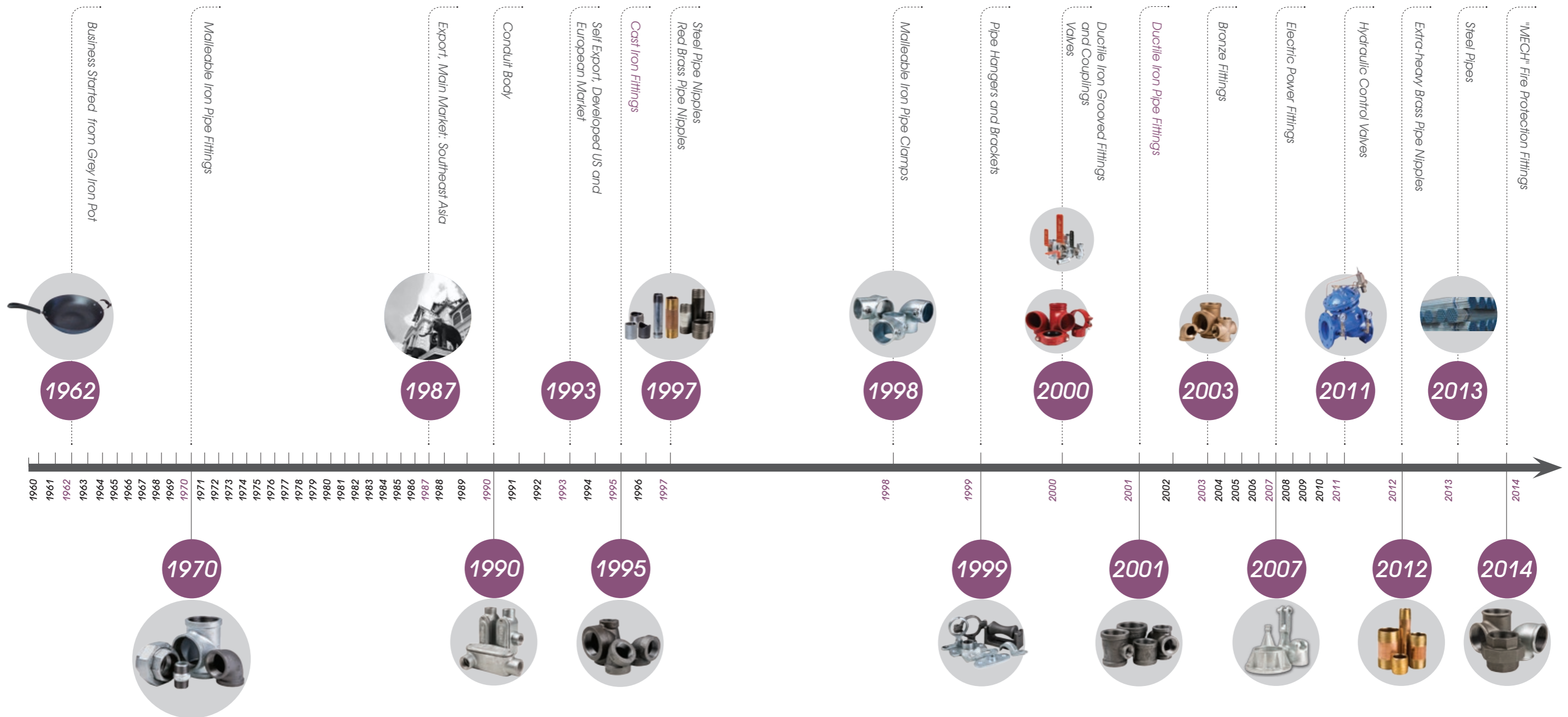
Over 50 years, Jimsoar has been a trusted name in piping solutions by offering high-quality products, service and support to the PVF industry continuously. We provide expertise and product solutions for a wide range of applications, plumbing, mechanical, industrial, air-conditioning and refrigeration, mining, oil, gas, fire protection, equipment and power system. Many of the company's application technology are advanced in the world, with more than 20 patents registered each year, and the company has presided over and participated in the drafting of many important national standards of the industry.

We organize the whole production process in accordance with ISO 9001 and ISO 14001. It has also the most complete certificates in the PVF industry, including UL/FM/NSF of US, CRN/cUL of Canada, DVGW/TUV/CE/VdS of Germany, BSI/LPCB of UK, SII of Israel, JIS of Japan, ABNT of Brazil, GOST-R of Russia, CNBOP of Poland, KS of South Korea, TSE of Turkey, PSB of Singapore, SIRIM of Malaysia, SABS of South Africa etc. The products are well distributed in more than 130 Countries and regions.

As an industry leader and key high-tech enterprise of the national torch plan, the company attaches great importance to environmental protection, energy-saving and emission-reduction. US-EEC recognizes MECH brand malleable iron pipe fittings as "the product to promote for the technology exchange of environmental protection". Protecting the environment is the duty of the company.

Customer satisfaction has always been the company's top objective, and we constantly stick to the principle: to provide customers with a value-added solution rather than simply delivering products.

Company History



State of the Art Equipment

High precision equipment is quality assurance. Jimsoar's 6 factories are all equipped with the most advanced facilities and equipment in the industry. The main production facilities include Sinto automatic molding line, Tokyu automatic molding line, Chinese 416 automatic vertical molding line, automatic molding sand mixers, cupola furnaces, electric furnaces, water-cooled longevous cupola furnaces, CNC vertical machining centers, CNC machines, NC vertical lathes, radial drills, Jimsoar Corp., proprietary automatic machines, hot-dipped galvanization line, automatic box sealing line, stereoscopic warehouse and so on.



Molding



Core Making



Sand Mulling



Melting



Tokyu AMF-111055



Sinto FCMX



Pouring



End Grinding Line



Warehouse



Threading, Air Pressure Test, and Anti-rust Treatment

Reliable Quality Assurance

Jimsoar is honored as the National enterprise technical center and is capable and qualified to conduct full series of tests and inspections including chemical checking, etc.

Inspection facilities include: spectrometer, carbon sulfur analyzer, metallurgical microscope, tensile strength testing equipment, pressure testing equipment, adhesive force testing equipment, CMM, hardness tester, etc.

From incoming inspection to finished product, quality is checked and monitored in the whole process. Each step of the manufacturing process is carefully documented, regularly reviewed for revision control and updating standard. Quality procedures are constantly monitored and updated to assure that only the highest and most consistent quality products are supplied to our valued customers.



Certificates



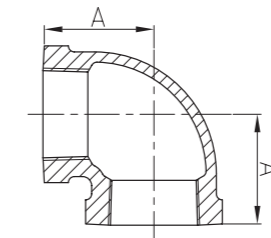
Ductile Iron Pipe Fittings

Material: ASTM A536
 Dimensions: ASME B16.3, B16.14
 Union Dimensions: ASME B16.39
 Threads: ASME B1.20.1, ISO 7-1
 Size Available: 1/2" - 4"



90

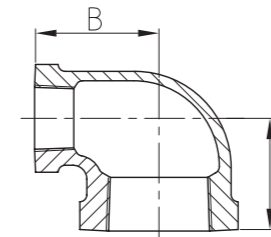
Elbow, 90°



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.3	38.1	44.5	49.3	57.2
Size	Inch	2 1/2	3				
	mm	65	80				
Dim. (mm)	A	68.6	78.2				

90R

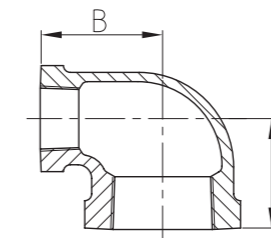
Reducing Elbow, 90°



Size	Inch	3/4X1/2	1X1/2	1X3/4	1 1/4X1/2	1 1/4X3/4
	mm	20X15	25X15	25X20	32X15	32X20
Dim. (mm)	A	30.5	32	34.8	34	36.8
	B	31	35.5	36.8	38.9	41.2
Size	Inch	1 1/4X1	1 1/2X1/2	1 1/2X3/4	1 1/2X1	1 1/2X1 1/4
	mm	32X25	40X15	40X20	40X25	40X32
Dim. (mm)	A	40.1	35.8	38.6	41.9	46.2
	B	42.4	42.2	44.5	45.7	47.8

90R

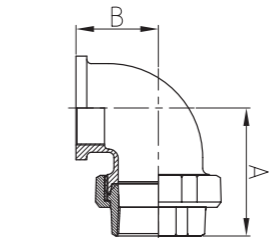
Reducing Elbow, 90°



Size	Inch	2X1/2	2X3/4	2X1	2X1 1/4	2X1 1/2
	mm	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	37.9	40.6	43.9	48.3	51.3
	B	47.8	50	51.3	53.3	54.9
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

96A

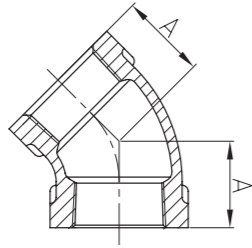
Union Elbow, F/F, conical joint



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	57	59	72	82	88	99
	B	27	29	34	43	47	56
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

120

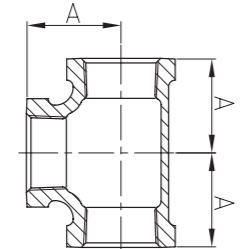
Elbow, 45°



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	22.4	24.9	28.5	32.8	36.3	42.7
	B						
Size	Inch	2 1/2					
	mm	65					
Dim. (mm)	A	49.5					
	B						

130

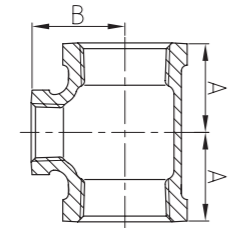
Tee



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.3	38.1	44.5	49.3	57.2
	B						
Size	Inch	2 1/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	68.6	78.2	96.3			
	B						

130R

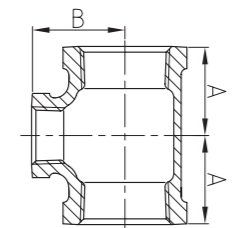
Reducing Tee



Size	Inch	3/4X1/2	1X1/2	1X3/4	1 1/4X1/2	1 1/4X3/4
	mm	20X15	25X15	25X20	32X15	32X20
Dim. (mm)	A	30.5	32	34.8	34	36.8
	B	31	35.5	36.8	38.9	41.2
Size	Inch	1 1/4X1	1 1/2X1/2	1 1/2X3/4	1 1/2X1	1 1/2X1 1/4
	mm	32X25	40X15	40X20	40X25	40X32
Dim. (mm)	A	40.1	35.8	38.6	41.9	46.2
	B	42.4	42.2	44.5	45.7	47.8

130R

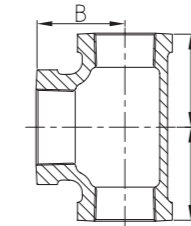
Reducing Tee



Size	Inch	2X1/2	2X3/4	2X1	2X1 1/4	2X1 1/2
	mm	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	37.9	40.6	43.9	48.3	51.3
	B	47.8	50	51.3	53.3	54.9
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

130R

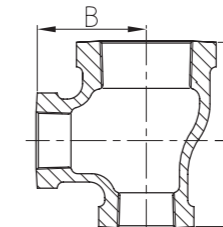
Reducing Tee



Size	Inch	3/4X3/4X1	1X1X1 1/4	1X1X1 1/2	1 1/4X1 1/4X1 1/2
	mm	20X20X25	25X25X32	25X25X40	32X32X40
Dim. (mm)	A	36.8	42.4	45.7	47.8
	B	34.8	40.1	41.9	46.2
Size	Inch	1 1/4X1 1/4X2	1 1/2X1 1/2X2	2X2X2 1/2	
	mm	32X32X50	40X40X50	50X50X65	
Dim. (mm)	A	53.3	54.9	66	
	B	48.3	51.3	60.7	

130R

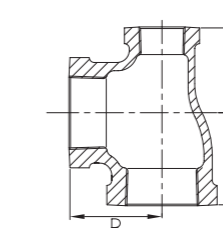
Reducing Tee



Size	Inch	1X3/4X3/4	1 1/4X1X1	1 1/2X1X1	1 1/2X1 1/4X1 1/4
	mm	25X20X20	32X25X25	40X25X25	40X32X32
Dim. (mm)	A	34.8	40.1	41.9	46.2
	B	36.8	42.4	45.7	47.8
	C	33.3	38.1	38.1	44.5
Size	Inch	2X1 1/2X1 1/2			
	mm	50X40X40			
Dim. (mm)	A	51.3			
	B	54.9			
	C	49.3			

130R

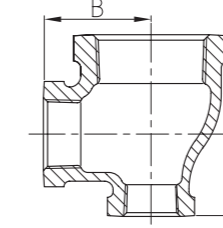
Reducing Tee



Size	Inch	1X1/2X1	1X3/4X1	1 1/4X1/2X1 1/4	1 1/4X1X1 1/4	1 1/2X1X1 1/2
	mm	25X15X25	25X20X25	32X15X32	32X25X32	40X25X40
Dim. (mm)	A	38.1	38.1	44.5	44.5	49.3
	B	38.1	38.1	44.5	44.5	49.3
	C	35.5	36.8	38.9	42.4	45.7
Size	Inch	1 1/2X1 1/4X1 1/2	2X1X2	2X1 1/4X2	2X1 1/2X2	
	mm	40X32X40	50X25X50	50X32X50	50X40X50	
Dim. (mm)	A	49.3	57.2	57.2	57.2	
	B	49.3	57.2	57.2	57.2	
	C	47.8	51.3	53.3	54.8	

130R

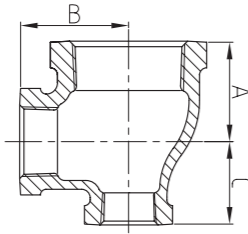
Reducing Tee



Size	Inch	1 1/4X1 1/2	1 1/4X1X3/4	1 1/4X1X1 1/2	1 1/2X1X1 1/2
	mm	32X25X15	32X25X20	32X25X40	40X25X15
Dim. (mm)	A	34	36.8	48	35.8
	B	38.9	41.2	46	42.2
	C	32	34.8	46	34
Size	Inch	1 1/2X1X3/4	1 1/2X1X1 1/4	1 1/2X1 1/4X1 1/2	1 1/2X1 1/4X3/4
	mm	40X25X20	40X25X32	40X32X15	40X32X20
Dim. (mm)	A	38.6	46.2	35.8	38.6
	B	44.5	47.8	42.2	44.5
	C	34.8	42.4	34	36.3

130R

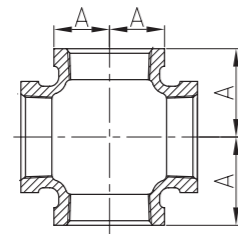
Reducing Tee



Size	Inch	11/2X11/4X1	11/2X11/4X2	2X1X11/2	2X11/4X1
	mm	40X32X25	40X32X50	50X25X40	50X32X25
Dim. (mm)	A	41.9	54.9	51.3	44
	B	45.7	51.3	54.9	51
	C	40.1	53.3	45.7	40
Size	Inch	2X11/2X1/2	2X11/2X3/4	2X11/2X1	2X11/2X11/4
	mm	50X40X15	50X40X20	50X40X25	50X40X32
Dim. (mm)	A	37.9	40.5	43.9	48.3
	B	47.8	50	51.3	53.3
	C	35.8	38.5	41.9	46.2

180

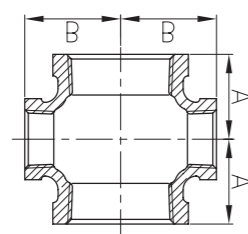
Cross



Size	Inch	3/4	1	11/4	11/2	2
	mm	20	25	32	40	50
Dim. (mm)	A	33.1	38.1	44.5	49.3	57.2
Size	Inch					
	mm					
Dim. (mm)	A					

180R

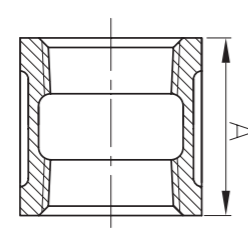
Reducing Cross



Size	Inch	11/4X1	11/2X1	11/2X11/4	2X1
	mm	32X25	40X25	40X32	50X25
Dim. (mm)	A	40.1	41.9	46.2	43.9
	B	42.4	45.7	47.8	51.3
Size	Inch				
	mm				
Dim. (mm)	A				
	B				

220

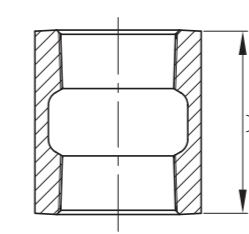
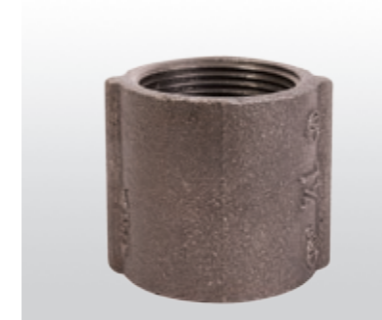
Coupling



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	34.0	38.6	42.4	49	54.6	64.3
Size	Inch						
	mm						
Dim. (mm)	A						

1220

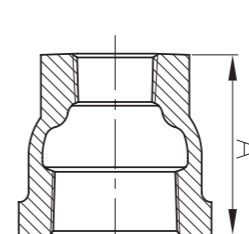
Coupling, plain, with ribs



Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	35	40	46	50	56.5	65.5
Size	Inch	21/2					
	mm	65					
Dim. (mm)	A	74.5					

240

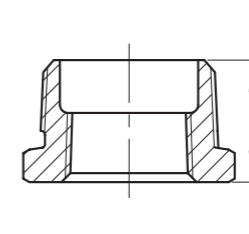
Reducing Coupling



Size	Inch	1X1/2	1X3/4	11/4X3/4	11/4X1	11/2X1
	mm	25X15	25X20	32X20	32X22	40X25
Dim. (mm)	A	42.9	42.9	52.3	52.3	58.7
Size	Inch	11/2X11/4	2X1	2X11/4	2X11/2	
	mm	40X32	50X25	50X32	50X40	
Dim. (mm)	A	58.7	71.4	71.4	71.4	

241

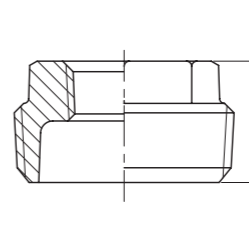
Outside Hex Bushing



Size	Inch	1X1/2	1X3/4	11/4X1	11/2X1	11/2X11/4
	mm	25X15	25X20	32X25	40X25	40X32
Dim. (mm)	A	25.5	25.5	27.4	29	29
Size	Inch	2X11/4	2X11/2			
	mm	50X32	50X40			
Dim. (mm)	A	31	31			

241N

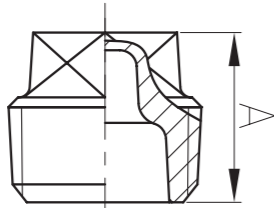
Inside Hex Bushing



Size	Inch	2X1				
	mm	50X25				
Dim. (mm)	A Min	32.8				
Size	Inch					
	mm					
Dim. (mm)	A Min					

291

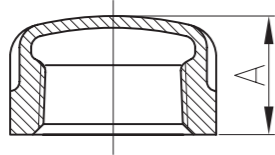
Plug



Size	Inch	1/2	3/4	1	1 1/4	1 1/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	23.9	27.2	31.8	34.5	36.9
Size	Inch	2				
	mm	50				
Dim. (mm)	A Min	39.7				

300

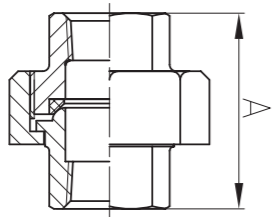
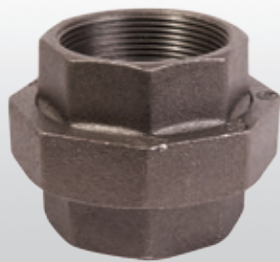
Cap



Size	Inch	1/2	3/4	1	1 1/4	1 1/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	22.1	24.6	29.5	32.5	33.8
Size	Inch	2	2 1/2			
	mm	50	65			
Dim. (mm)	A Min	36.8	43.2			

342

Union, conical joint, brass to iron seat



Size	Inch	1	1 1/4	1 1/2	2	
	mm	25	32	40	50	
Dim. (mm)	A Min	52.5	57.5	61	70	
Size	Inch					
	mm					
Dim. (mm)	A Min					



Cast Iron Pipe Fittings

Material: ASTM A126

Dimensions: ASME B16.4, B16.14

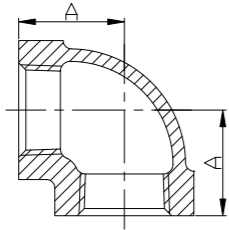
Threads: ASME B1.20.1

Size Available: 1/2" - 4"

 90 Elbow, 90°	 90R Reducing Elbow, 90°	 120 Elbow, 45°	 130 Tee	 130R Reducing Tee
 130R Reducing Tee	 130R Reducing Tee	 130R Reducing Tee	 130R Reducing Tee	 180 Cross
 240 Reducing Coupling	 291 Cored Plug	 291S Solid Plug		

90

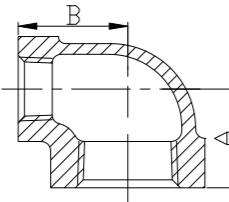
Elbow, 90°



Size	Inch	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.5	38	44.5	49.5	57
	B						
Size	Inch	2 1/2					
	mm	65					
Dim. (mm)	A	68.5					
	B						

90R

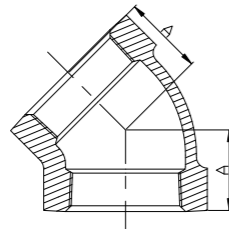
Reducing Elbow, 90°



Size	Inch	1X1/2	1X3/4	1 1/4X1/2	1 1/4X3/4	1 1/4X1	1 1/2X1/2	1 1/2X3/4
	mm	25X15	25X20	32X15	32X20	32X25	40X15	40X20
Dim. (mm)	A	32	35	34	37	40	36	38.5
	B	34.5	37	39	41	42.5	42	44.5
Size	Inch	1 1/2X1	1 1/2X1 1/4	2X3/4	2X1	2X1 1/4	2X1 1/2	
	mm	40X25	40X32	50X20	50X25	50X32	50X40	
Dim. (mm)	A	42	46	40.5	44	48.5	51.5	
	B	45.5	48	50	51.5	53.5	55	

120

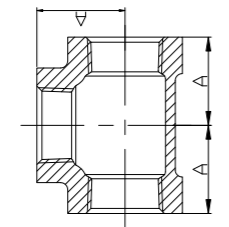
Elbow, 45°



Size	Inch	1	1 1/4	1 1/2	2		
	mm	25	32	40	50		
Dim. (mm)	A	28.5	33	36.5	42.5		
	B						
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

130

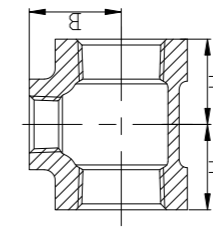
Tee



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	33.5	38	44.5	49.5	57	68.5
	B						
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

130R

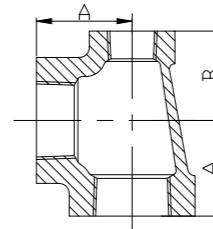
Reducing Tee



Size	Inch	1X1/2	1X3/4	1 1/4X1	1 1/4X3/4	1 1/4X1	1 1/2X1/2	1 1/2X3/4
	mm	25X15	25X20	32X15	32X20	32X25	40X15	40X20
Dim. (mm)	A	32	35	34	37	40	36	38.5
	B	35.5	37	39	41	42.5	42	44.5
Size	Inch	1 1/2X1	1 1/2X1 1/4	2X1/2	2X3/4	2X1	2X1 1/4	2X1 1/2
	mm	40X25	40X32	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	42	46	38	40.5	44	48.5	51.5
	B	45.5	48	48	50	51.5	53.5	55

130R

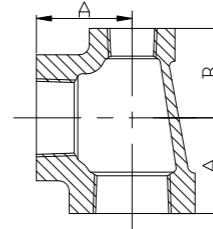
Reducing Tee



Size	Inch	1X1/2X1	1X3/4X1	1 1/4X1/2X1 1/4	1 1/4X1X1 1/4
	mm	25X15X25	25X20X25	32X15X32	32X25X32
Dim. (mm)	A	38	38	44.5	44.5
	B	34.5	37	39	42.5
Size	Inch	1 1/2X1X1 1/2	1 1/2X1 1/4X1 1/2	2X1X2	2X1 1/4X2
	mm	40X25X40	40X32X40	50X25X50	50X32X50
Dim. (mm)	A	49.5	49.5	57	57
	B	45.5	47.5	51.5	53.5

130R

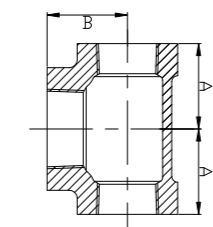
Reducing Tee



Size	Inch	1 1/2X1/2X1 1/2	1 1/2X3/4X1 1/2		
	mm	40X15X40	40X20X40		
Dim. (mm)	A	49.5	49.5		
	B	42	44.5		
Size	Inch	2X1 1/2X2			
	mm	50X40X50			
Dim. (mm)	A	57			
	B	55			

130R

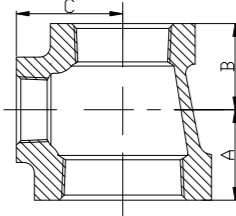
Reducing Tee



Size	Inch	1X1X1 1/4	1X1X1 1/2	1 1/4X1 1/4X1 1/2	1 1/4X1 1/4X2
	mm	25X25X32	25X25X40	32X32X40	32X32X50
Dim. (mm)	A	42.5	45.5	48	53.5
	B	40	42	46	48.5
Size	Inch	1 1/2X1 1/2X2	2X2X2 1/2		
	mm	40X40X50	50X50X65		
Dim. (mm)	A	55	66		
	B	51.5	60.5		

130R

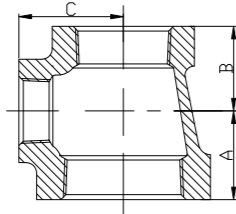
Reducing Tee



Size	Inch	11/4X1X1/2	11/4X1X3/4	11/4X1X1/2	11/2X1X3/4
	mm	32X25X15	32X25X20	32X25X40	40X25X20
Dim. (mm)	A	34	37	46.5	38.5
	B	32	35	44.5	35
	C	39	41	44.5	44.5
Size	Inch	11/2X1X11/4	11/2X11/4X1/2	11/2X11/4X3/4	11/2X11/4X1
	mm	40X25X32	40X32X15	40X32X20	40X32X25
Dim. (mm)	A	46	36	38.5	42
	B	42.5	34	37	40
	C	47.5	42	44.5	45.5

130R

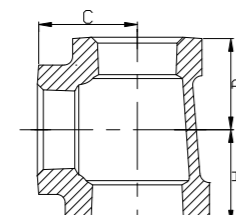
Reducing Tee



Size	Inch	11/2X11/4X2	2X11/2X1/2	2X11/2X3/4	2X11/2X1
	mm	40X32X50	50X40X15	50X40X20	50X40X25
Dim. (mm)	A	55	38	40.5	44
	B	53.5	36	38.5	42
	C	51.5	48	50	51.5
Size	Inch	2X11/2X11/4			
	mm	50X40X32			
Dim. (mm)	A	48.5			
	B	46			
	C	53.5			

130R

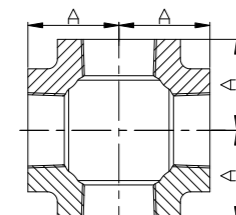
Reducing Tee



Size	Inch	11/4X1X1	11/2X1X1	11/2X11/4X11/4	2X11/2X11/2
	mm	32X25X25	40X25X25	40X32X32	50X40X40
Dim. (mm)	A	40	42	46	51.5
	B	38	38	44.5	49.5
	C	42.5	45.5	48	55

180

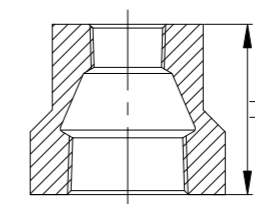
Cross



Size	Inch	1				
	mm	25				
Dim. (mm)	A	37				
Size	Inch					
	mm					
Dim. (mm)	A					

240

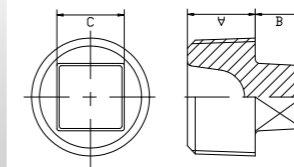
Reducing Coupling



Size	Inch	1X1/2	1X3/4	2X1		
	mm	25X15	25X20	50X25		
Dim. (mm)	A	43	43	59		
Size	Inch					
	mm					
Dim. (mm)	A					

291

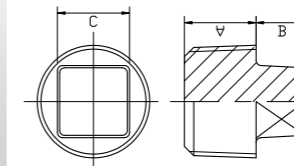
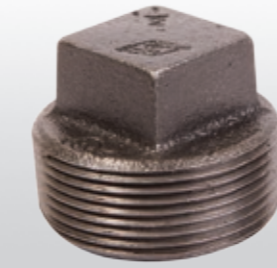
Cored Plug



Size	Inch	3/4	1	11/4	11/2	2
	mm	20	25	32	40	50
Dim. (mm)	A	16.5	19.5	20.5	21.6	22.6
	B	11.5	13	14.5	16	17.5
	C	15.6	20.4	23	28	32.8

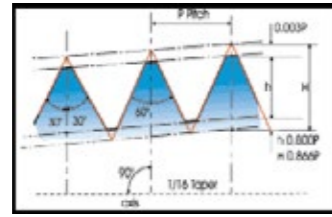
291S

Solid Plug

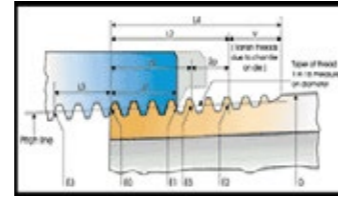


Size	Inch	1/2				
	mm	15				
Dim. (mm)	A	14.5				
	B	10				
	C	14				

Basic Dimension, for American Standard Pipe Threads



Taper thread
 $H = 0.866025 \quad p = 0.866025/n$
 $h = 0.800 \quad p = 0.800/n$



Taper thread
 $L2 = (0.8D + 6.8) \quad 1/n = (0.80D + 6.8)p$

Nominal Pipe Size (inches)	O.D. of Pipe (D)	Threads /in (N)	Pitch of Thread (P)	Pitch Dia. at Beginning of External Thread (E0)	Handtight Engagement		Effective Thread, External			Depth of Thread h	
					Length ² (L1)		Diam. ² (E1)	Length ⁴ (L2)			Diam. ⁴ (E2)
					Inch	Thread		Inch	Thread		
1/8	0.405	27.0	0.03704	0.36351	0.1615	4.36	0.37360	0.2639	7.12	0.38000	0.029
1/4	0.540	18.0	0.05556	0.47739	0.2278	4.10	0.49163	0.4018	7.23	0.50250	0.044
3/8	0.675	18.0	0.05556	0.61201	0.2400	4.32	0.62701	0.4078	7.34	0.63750	0.044
1/2	0.840	14.0	0.07143	0.75843	0.3200	4.48	0.77843	0.5337	7.47	0.79179	0.057
3/4	1.050	14.0	0.07143	0.96768	0.3390	4.75	0.98887	0.5457	7.64	1.00179	0.057
1	1.315	11.5	0.08696	1.21363	0.4000	4.60	1.23863	0.6826	7.85	1.25630	0.069
1 1/4	1.660	11.5	0.08696	1.55713	0.4200	4.83	1.58338	0.7068	8.13	1.60130	0.069
1 1/2	1.900	11.5	0.08696	1.79609	0.4200	4.83	1.82234	0.7235	8.32	1.84130	0.069
2	2.375	11.5	0.08696	2.26902	0.4360	5.01	2.29627	0.7565	8.70	2.31630	0.069
2 1/2	2.875	8.0	0.12500	2.71953	0.6820	5.46	2.76216	1.31375	9.10	2.79062	0.100
3	3.500	8.0	0.12500	3.34062	0.7660	6.13	3.38850	1.2000	9.60	3.41562	0.100
3 1/2	4.000	8.0	0.12500	3.83750	0.8210	6.57	3.88881	1.2500	10.00	3.91562	0.100
4	4.500	8.0	0.12500	4.33438	0.8440	6.75	4.38712	1.3000	10.40	4.41562	0.100
5	5.563	8.0	0.12500	5.39073	0.9370	7.50	5.44929	1.4063	11.25	5.47862	0.100
6	6.625	8.0	0.12500	6.44609	0.9580	7.66	6.50597	1.5125	12.10	6.54062	0.100

Nominal Pipe Size (inches)	Length, L1 Plane to L2 Plane External Thread (L2-L1)		Wrench Makeup Length for Internal Thread ⁷		Diam. (E3)	Vanish Thread (V)		Overall ⁸ Length External Thread (L4)	Nominal Complete External Thread ⁵		Height of Thread (h)	Increase in Diam./Thread (0.0625/n)	Basic ⁶ Minor Diam. At Small End of Pipe (K0)
	Inch	Thread	Inch	Thread		Inch	Thread		Length (L5)	Diam. (E5)			
	1/8	0.1024	2.76	0.1111	3	0.35656	0.1285	3.47	0.3924	0.1898	0.37537	0.02963	0.00231
1/4	0.1740	3.13	0.1667	3	0.46697	0.1928	3.47	0.5946	0.2907	0.49556	0.04444	0.00347	0.4329
3/8	0.1678	3.02	0.1667	3	0.60160	0.1928	3.47	0.6006	0.2967	0.63056	0.04444	0.00347	0.5676
1/2	0.2137	2.99	0.2143	3	0.74504	0.2478	3.47	0.7815	0.3909	0.78286	0.05714	0.00446	0.7013
3/4	0.2067	2.89	0.2143	3	0.95429	0.2478	3.47	0.7935	0.4029	0.99286	0.05714	0.00446	0.9105
1	0.2828	3.25	0.2609	3	1.19733	0.3017	3.47	0.9845	0.5089	1.24543	0.06957	0.00543	1.1441
1 1/4	0.2868	3.30	0.2609	3	1.54083	0.3017	3.47	1.0085	0.5329	1.59043	0.06957	0.00543	1.4876
1 1/2	0.3035	3.49	0.2609	3	1.77978	0.3017	3.47	1.0252	0.5496	1.83043	0.06957	0.00543	1.7265
2	0.3205	3.69	0.2609	3	2.25272	0.3017	3.47	1.0582	0.5826	2.30543	0.06957	0.00543	2.1995
2 1/2	0.4555	3.64	0.2500	2	2.70391	0.4337	3.47	1.5712	0.8875	2.77500	0.10000	0.00781	2.6195
3	0.4340	3.47	0.2500	2	3.32500	0.4337	3.47	1.6337	0.9500	3.40000	0.10000	0.00781	3.2406
3 1/2	0.4290	3.43	0.2500	2	3.82188	0.4337	3.47	1.6837	1.0000	3.90000	0.10000	0.00781	3.7375
4	0.4560	3.65	0.2500	2	4.31875	0.4337	3.47	1.7337	1.0500	4.40000	0.10000	0.00781	4.2344
5	0.4693	3.75	0.2500	2	5.37511	0.4337	3.47	1.8400	1.1563	5.46300	0.10000	0.00781	5.2907
6	0.5545	4.44	0.2500	2	6.43047	0.4337	3.47	1.9462	1.2625	6.52500	0.10000	0.00781	6.3461

Note: This information is selected from the International Standard for Pipe Threads, ASME B1.20.1.

