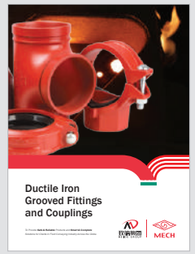
MECH FLOW SUPPLIES


Malleable Iron
Pipe Fittings


Ductile Iron
Grooved Fittings
and Couplings


Valves


Cast Bronze
Fittings


Electrical
Power Fittings


Malleable Iron
Pipe Clamps


Ductile Iron Pipe Fittings
Cast Iron Pipe Fittings


Pipe Nipples

玫德集团
MEIDE GROUP

MECH

JINAN MEIDE CASTING CO., LTD.

Address: Meide Science & Technology Park,
Industrial Park Pingyin, Jinan, China 250400

Phone: (86)531 87856271 87879384 87885060

Fax: (86)531 87879387

Email: info@meide-casting.com

Http: //www.meide-casting.com

UPDATED 08/2018



Ductile Iron Pipe Fittings
Cast Iron Pipe Fittings

*To Provide **Safe & Reliable** Products and **Smart & Complete***
Solutions for Clients in Fluid Conveying Industry Across the Globe.

玫德集团
MEIDE GROUP

MECH



Company Profile

Jinan Meide Casting Co. Ltd. was established in 1961. In the past decades, Jinan Meide 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, two independent accounting steel pipe companys, and a science & technology park.

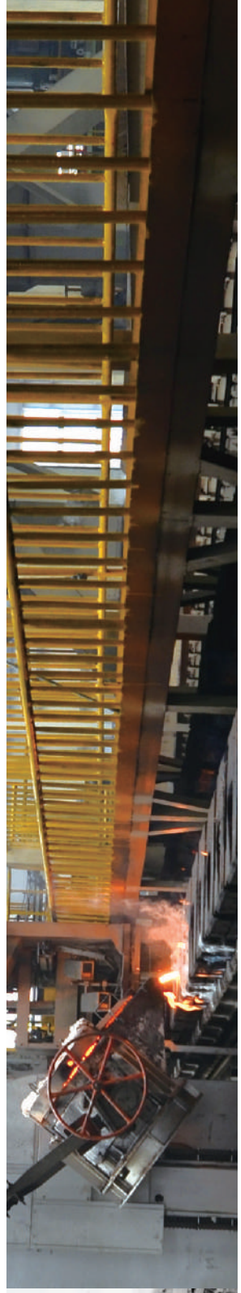
The company is the well-known manufacturer in the fitting industry with the most complete range of products, supplying malleable iron fittings, grooved fittings, grooved couplings, valves, cast iron fittings, ductile iron fittings, steel pipe nipples and couplings, stainless steel nipples, brass pipe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

Over 50 years, Jinan Meide 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

"MECH" Malleable Iron Pipe Fittings

Steel Pipes

Extra-heavy Brass Pipe Nipples

Valves

Electric Power Fittings

Bronze Fittings

Ductile Iron Pipe Fittings

Ductile Iron Grooved Fittings and Couplings
Ball Valves

Pipe Hangers and Brackets

Malleable Iron Pipe Clamps

Steel Pipe Nipples
Red Brass Pipe Nipples

Cast Iron Fittings

Self Export, Developed US and European Market

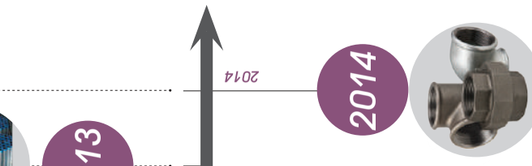
Conduit Body

Export, Main Market: Southeast Asia

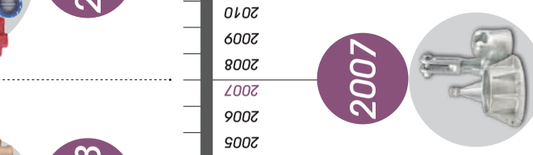
Malleable Iron Pipe Fittings

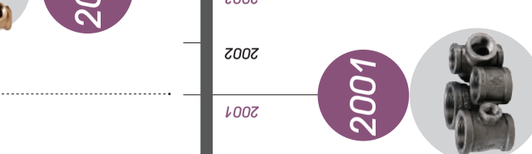
Business Started from Grey Iron Pot

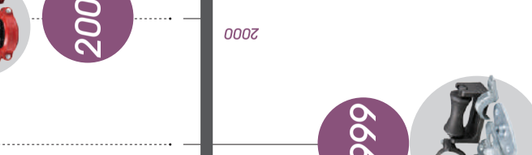
2014 2013 2012 2011 2007 2003 2001 1999 1998 1997 1995 1993 1990 1987 1970 1961

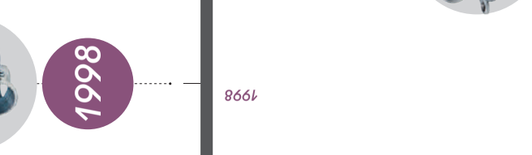




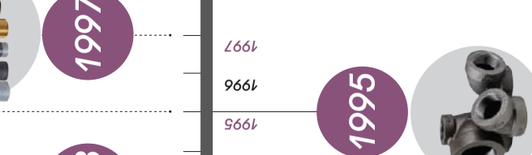


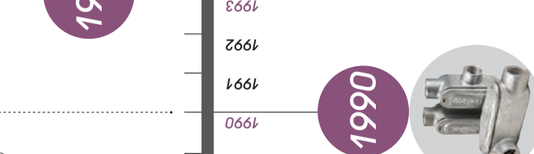


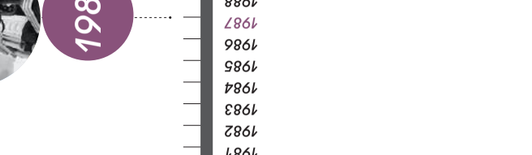


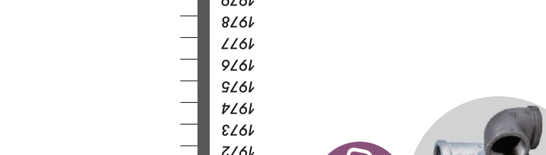


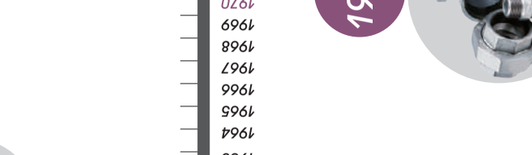














State of the Art Equipment

High precision equipment is quality assurance.
Jinan Meide's 8 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, Jinan Meide proprietary automatic machines, hot-dipped galvanization line, automatic box sealing line, stereoscopic warehouse and so on.



Pattern



Core Making



Sand Mulling



Melting



Sinto FCMX



DISA



Tokyu AMF-111055



Pouring



End Grinding Line



Threading, Air Pressure Test, and Anti-rust Treatment



Warehouse

Reliable Quality Assurance

Jinan Meide 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.



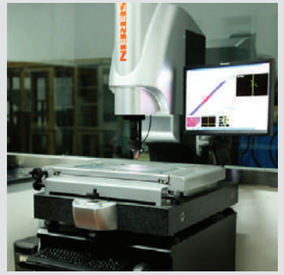
Metallurgical Microscope



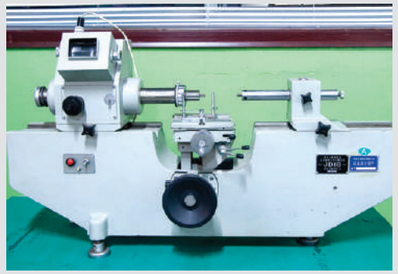
Spectrometer



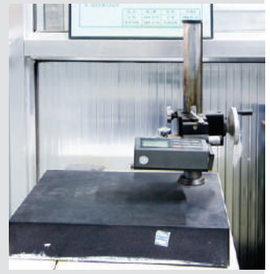
CMM



Projector



The Length of The Test Instrument



Roughness Tester



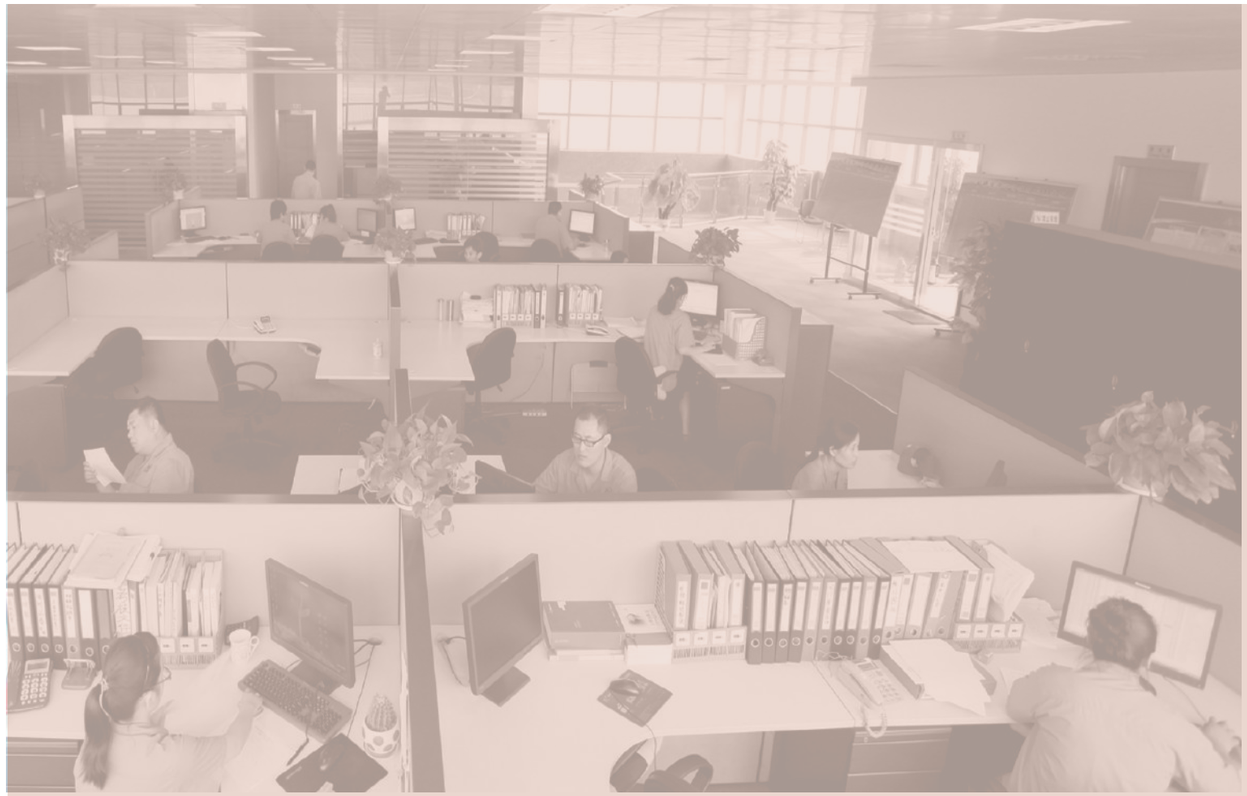
Carbon Sulfur Analyzer



Tensile Strength Testing Equipment



Sand Testing Instrument



Certificates





















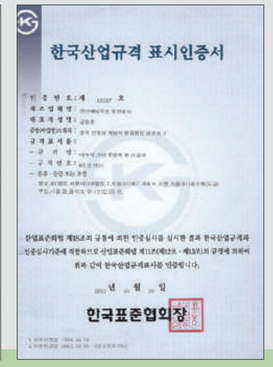




























Ductile Iron Pipe Fittings

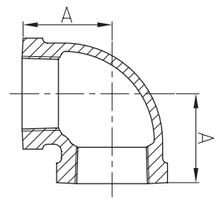
Material: ASTM A536
Dimensions: ASME B16.3, B16.14
Union Dimensions: ASME B16.39
Threads: ASME B1.20.1, ISO 7-1
Size Available: 1/2" - 4"



90

Elbow, 90°



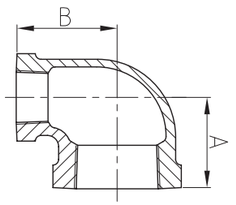


Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.3	38.1	44.5	49.3	57.2
Size	Inch	21/2	3				
	mm	65	80				
Dim. (mm)	A	68.6	78.2				

90R

Reducing Elbow, 90°



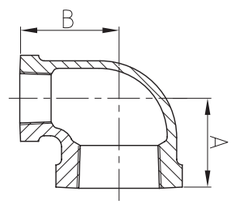


Size	Inch	3/4X1/2	1X1/2	1X3/4	11/4X1/2	11/4X3/4
	mm	20X15	25X15	25X20	32X15	32X20
Dim. (mm)	A	30.5	32	34.8	34	36.8
	B	31	35.5	36.8	38.9	41.2
Size	Inch	11/4X1	11/2X1/2	11/2X3/4	11/2X1	11/2X11/4
	mm	32X25	40X15	40X20	40X25	40X32
Dim. (mm)	A	40.1	35.8	38.6	41.9	46.2
	B	42.4	42.2	44.5	45.7	47.8

90R

Reducing Elbow, 90°



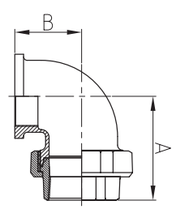


Size	Inch	2X1/2	2X3/4	2X1	2X11/4	2X11/2
	mm	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	37.9	40.6	43.9	48.3	51.3
	B	47.8	50	51.3	53.3	54.9
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

96A

Union Elbow, F/F,conical joint



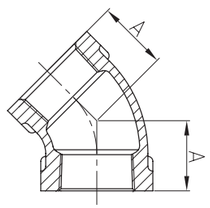


Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	57	59	72	82	88	99
	B	27	29	34	43	47	56
Size	Inch						
	mm						
Dim. (mm)	A						
	B						

NSF/ANSI 61 NSF/ANSI 372 ACS

120 Elbow, 45°

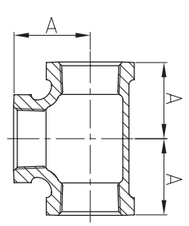




Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	22.4	24.9	28.5	32.8	36.3	42.7
Size	Inch	21/2					
	mm	65					
Dim. (mm)	A	49.5					

130 Tee

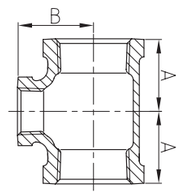




Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.3	38.1	44.5	49.3	57.2
Size	Inch	21/2	3	4			
	mm	65	80	100			
Dim. (mm)	A	68.6	78.2	96.3			

130R Reducing Tee

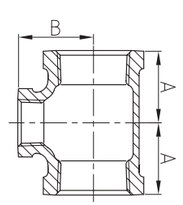




Size	Inch	3/4X1/2	1X1/2	1X3/4	11/4X1/2	11/4X3/4
	mm	20X15	25X15	25X20	32X15	32X20
Dim. (mm)	A	30.5	32	34.8	34	36.8
	B	31	35.5	36.8	38.9	41.2
Size	Inch	11/4X1	11/2X1/2	11/2X3/4	11/2X1	11/2X11/4
	mm	32X25	40X15	40X20	40X25	40X32
Dim. (mm)	A	40.1	35.8	38.6	41.9	46.2
	B	42.4	42.2	44.5	45.7	47.8

130R Reducing Tee



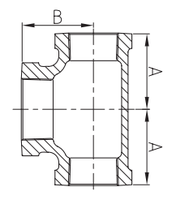


Size	Inch	2X1/2	2X3/4	2X1	2X11/4	2X11/2
	mm	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	37.9	40.6	43.9	48.3	51.3
	B	47.8	50	51.3	53.3	54.9
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

NSF/ANSI 61 NSF/ANSI 372 ACS

130R Reducing Tee

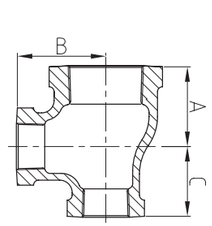




Size	Inch	3/4X3/4X1	1X1X11/4	1X1X11/2	11/4X11/4X11/2
	mm	20X20X25	25X25X32	25X25X40	32X32X40
Dim. mm)	A	36.8	42.4	45.7	47.8
	B	34.8	40.1	41.9	46.2
Size	Inch	11/4X11/4X2	11/2X11/2X2	2X2X21/2	
	mm	32X32X50	40X40X50	50X50X65	
Dim. (mm)	A	53.3	54.9	66	
	B	48.3	51.3	60.7	

130R Reducing Tee

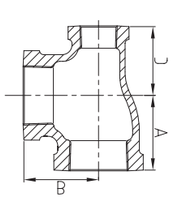




Size	Inch	1X3/4X3/4	11/4X1X1	11/2X1X1	11/2X11/4X11/4
	mm	25X20X20	32X25X25	40X25X25	40X32X32
Dim. (mm)	A	34.8	40.1	41.9	46.2
	B	36.8	42.4	45.7	47.8
	C	33.3	38.1	38.1	44.5
Size	Inch	2X11/2X11/2			
	mm	50X40X40			
Dim. (mm)	A	51.3			
	B	54.9			
	C	49.3			

130R Reducing Tee

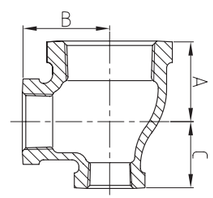




Size	Inch	1X1/2X1	1X3/4X1	11/4X1/2X11/4	11/4X1X11/4	11/2X1X11/2
	mm	25X15X25	25X20X25	32X15X32	32X25X32	40X25X40
Dim. (mm)	A	38.1	38.1	44.5	44.5	49.3
	B	38.1	38.1	44.5	44.5	49.3
	C	35.5	36.8	38.9	42.4	45.7
Size	Inch	11/2X11/4X11/2	2X1X2	2X11/4X2	2X11/2X2	
	mm	40X32X40	50X25X50	50X32X50	50X40X50	
Dim. (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



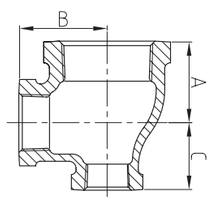


Size	Inch	11/4X1X1/2	11/4X1X3/4	11/4X1X11/2	11/2X1X1/2
	mm	32X25X15	32X25X20	32X25X40	40X25X15
Dim. (mm)	A	34	36.8	48	35.8
	B	38.9	41.2	46	42.2
	C	32	34.8	46	34
Size	Inch	11/2X1X3/4	11/2X11/4	11/2X11/4X1/2	11/2X11/4X3/4
	mm	40X25X20	40X25X32	40X32X15	40X32X20
Dim. (mm)	A	38.6	46.2	35.8	38.6
	B	44.5	47.8	42.2	44.5
	C	34.8	42.4	34	36.3

NSF/ANSI 61 NSF/ANSI 372 ACS

130R Reducing Tee

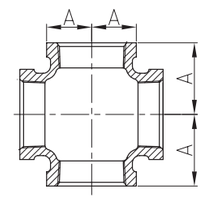




Size	Inch	11/2X11/4X1	11/2X11/4X2	2X1X11/2	2X11/4X1
	mm	40X32X25	40X32X50	50X25X40	50X32X25
Dim. (mm)	A	41.9	54.9	51.3	44
	B	45.7	51.3	54.9	51
	C	40.1	53.3	45.7	40
Size	Inch	2X11/2X1/2	2X11/2X3/4	2X11/2X1	2X11/2X11/4
	mm	50X40X15	50X40X20	50X40X25	50X40X32
Dim. (mm)	A	37.9	40.5	43.9	48.3
	B	47.8	50	51.3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

180 Cross

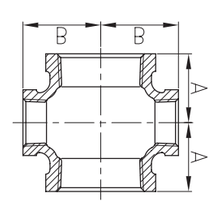




Size	Inch	3/4	1	11/4	11/2	2	
	mm	20	25	32	40	50	
Dim. (mm)	A	33.1	38.1	44.5	49.3	57.2	
Size	Inch						
	mm						
Dim. (mm)	A						

180R Reducing Cross

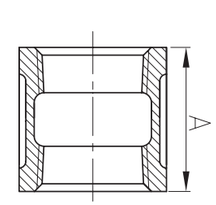




Size	Inch	11/4X1	11/2X1	11/2X11/4	2X1	
	mm	32X25	40X25	40X32	50X25	
Dim. (mm)	A	40.1	41.9	46.2	43.9	
	B	42.4	45.7	47.8	51.3	
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

220 Coupling

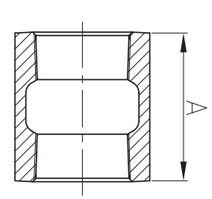




Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	34.0	38.6	42.4	49	54.6	64.3
Size	Inch						
	mm						
Dim. (mm)	A						

1220 Coupling, plain,with ribs

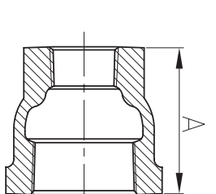




Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	35	40	46	50	56.5	65.5
Size	Inch	21/2					
	mm	65					
Dim. (mm)	A	74.5					

240 Reducing Coupling

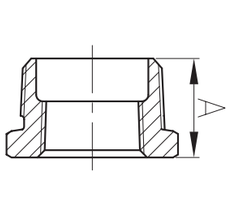




Size	Inch	1X1/2	1X3/4	11/4X3/4	11/4X1	11/2X1
	mm	25X15	25X20	32X20	32X22	40X25
Dim. (mm)	A	42.9	42.9	52.3	52.3	58.7
Size	Inch	11/2X11/4	2X1	2X11/4	2X11/2	
	mm	40X32	50X25	50X32	50X40	
Dim. (mm)	A	58.7	71.4	71.4	71.4	

241 Outside Hex Bushing

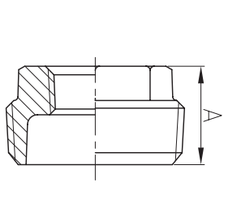




Size	Inch	1X1/2	1X3/4	11/4X1	11/2X1	11/2X11/4
	mm	25X15	25X20	32X25	40X25	40X32
Dim. (mm)	A	25.5	25.5	27.4	29	29
Size	Inch	2X11/4	2X11/2			
	mm	50X32	50X40			
Dim. (mm)	A	31	31			

241N Inside Hex Bushing





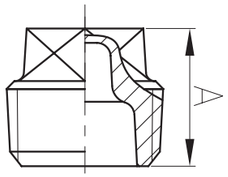
Size	Inch	2X1				
	mm	50X25				
Dim. (mm)	A Min	32.8				
Size	Inch					
	mm					
Dim. (mm)	A Min					

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291

Plug



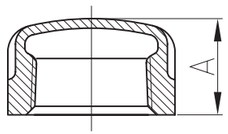


Size	Inch	1/2	3/4	1	11/4	11/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	23.9	27.2	31.8	34.5	36.9
Size	Inch	2				
	mm	50				
Dim. (mm)	A Min	39.7				

300

Cap

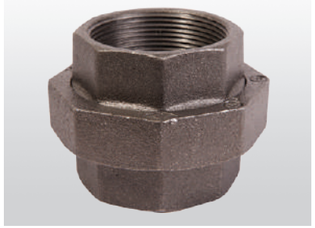


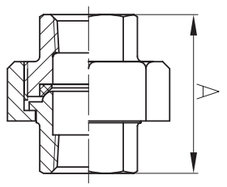


Size	Inch	1/2	3/4	1	11/4	11/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	22.1	24.6	29.5	32.5	33.8
Size	Inch	2	21/2			
	mm	50	65			
Dim. (mm)	A Min	36.8	43.2			

342

Union, conical joint,brass to iron seat





Size	Inch	1	11/4	11/2	2	
	mm	25	32	40	50	
Dim. (mm)	A Min	52.5	57.5	61	70	
Size	Inch					
	mm					
Dim. (mm)	A Min					

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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

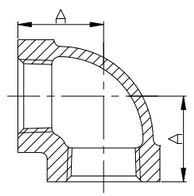


291S
Solid Plug

90

Elbow, 90°



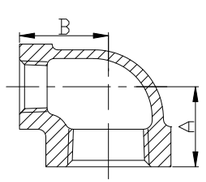


Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	28.5	33.5	38	44.5	49.5	57
Size	Inch	21/2					
	mm	65					
Dim. (mm)	A	68.5					

90R

Reducing Elbow, 90°



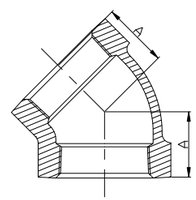


Size	Inch	1X1/2	1X3/4	11/4X1/2	11/4X3/4	11/4X1	11/2X1/2	11/2X3/4
	mm	25X15	25X20	32X15	32X20	32X25	40X15	40X20
Dim. (mm)	A	32	35	34	37	40	36	38.5
	B	34.5	37	39	41	42.5	42	44.5
Size	Inch	11/2X1	11/2X11/4	2X3/4	2X1	2X11/4	2X11/2	
	mm	40X25	40X32	50X20	50X25	50X32	50X40	
Dim. (mm)	A	42	46	40.5	44	48.5	51.5	
	B	45.5	48	50	51.5	53.5	55	

120

Elbow.45°



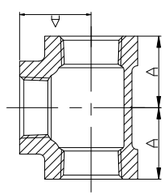


Size	Inch	1	11/4	11/2	2		
	mm	25	32	40	50		
Dim. (mm)	A	28.5	33	36.5	42.5		
Size	Inch						
	mm						
Dim. (mm)	A						

130

Tee





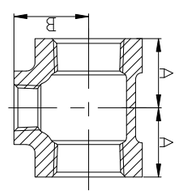
Size	Inch	3/4	1	11/4	11/2	2	21/2
	mm	20	25	32	40	50	65
Dim. (mm)	A	33.5	38	44.5	49.5	57	68.5
Size	Inch						
	mm						
Dim. (mm)	A						

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130R

Reducing Tee



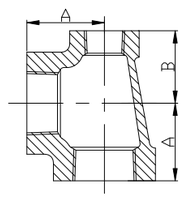


Size	Inch	1X1/2	1X3/4	11/4X1	11/4X3/4	11/4X1	11/2X1/2	11/2X3/4
	mm	25X15	25X20	32X15	32X20	32X25	40X15	40X20
Dim. (mm)	A	32	35	34	37	40	36	38.5
	B	35.5	37	39	41	42.5	42	44.5
Size	Inch	11/2X1	11/2X11/4	2X1/2	2X3/4	2X1	2X11/4	2X11/2
	mm	40X25	40X32	50X15	50X20	50X25	50X32	50X40
Dim. (mm)	A	42	46	38	40.5	44	48.5	51.5
	B	45.5	48	48	50	51.5	53.5	55

130R

Reducing Tee



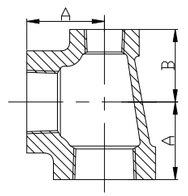


Size	Inch	1X1/2X1	1X3/4X1	11/4X1/2X11/4	11/4X1X11/4
	mm	25X15X25	25X20X25	32X15X32	32X25X32
Dim. (mm)	A	38	38	44.5	44.5
	B	34.5	37	39	42.5
Size	Inch	11/2X1X11/2	11/2X11/4X11/2	2X1X2	2X11/4X2
	mm	40X25X40	40X32X40	50X25X50	50X32X50
Dim. (mm)	A	49.5	49.5	57	57
	B	45.5	47.5	51.5	53.5

130R

Reducing Tee



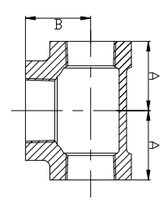


Size	Inch	11/2X1/2X11/2	11/2X3/4X11/2		
	mm	40X15X40	40X20X40		
Dim. (mm)	A	49.5	49.5		
	B	42	44.5		
Size	Inch	2X11/2X2			
	mm	50X40X50			
Dim. (mm)	A	57			
	B	55			

130R

Reducing Tee



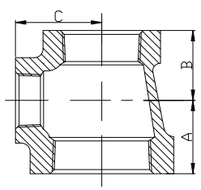


Size	Inch	1X1X11/4	1X1X11/2	11/4X11/4X11/2	11/4X11/4X2
	mm	25X25X32	25X25X40	32X32X40	32X32X50
Dim. (mm)	A	42.5	45.5	48	53.5
	B	40	42	46	48.5
Size	Inch	11/2X11/2X2	2X2X21/2		
	mm	40X40X50	50X50X65		
Dim. (mm)	A	55	66		
	B	51.5	60.5		

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130R Reducing Tee

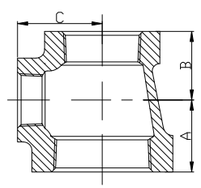




Size	Inch	11/4X1X1/2	11/4X1X3/4	11/4X1X11/2	11/2X1X3/4
	mm	32X25X15	32X25X20	32X25X40	40X25X20
Dim. (mm)	A	34	37	46.5	38.5
	B	32	35	44.5	35
	C	39	41	44.5	44.5
Size	Inch	11/2X1X11/4	11/2X11/4X1/2	11/2X11/4X3/4	11/2X11/4X1
	mm	40X25X32	40X32X15	40X32X20	40X32X25
Dim. (mm)	A	46	36	38.5	42
	B	42.5	34	37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

130R Reducing Tee

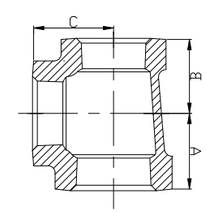




Size	Inch	11/2X11/4X2	2X11/2X1/2	2X11/2X3/4	2X11/2X1
	mm	40X32X50	50X40X15	50X40X20	50X40X25
Dim. (mm)	A	55	38	40.5	44
	B	53.5	36	38.5	42
	C	51.5	48	50	51.5
Size	Inch	2X11/2X11/4			
	mm	50X40X32			
Dim. (mm)	A	48.5			
	B	46			
	C	53.5			

130R Reducing Tee

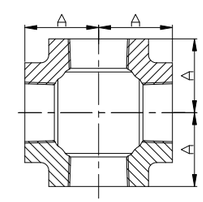




Size	Inch	11/4X1X1	11/2X1X1	11/2X11/4X11/4	2X11/2X11/2
	mm	32X25X25	40X25X25	40X32X32	50X40X40
Dim. (mm)	A	40	42	46	51.5
	B	38	38	44.5	49.5
	C	42.5	45.5	48	55

180 Cross



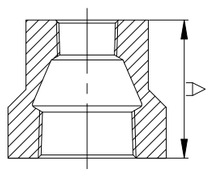


Size	Inch	1					
	mm	25					
Dim. (mm)	A	37					
Size	Inch						
	mm						
Dim. (mm)	A						

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240 Reducing Coupling

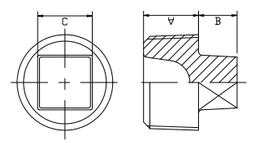




Size	Inch	1X1/2	1X3/4	2X1			
	mm	25X15	25X20	50X25			
Dim. (mm)	A	43	43	59			
Size	Inch						
	mm						
Dim. (mm)	A						

291 Cored Plug

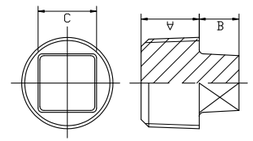




Size	Inch	3/4	1	11/4	11/2	2
	mm	20	25	32	40	50
Dim. (mm)	A	16.5	19.5	20.5	21.6	22.6
	B	11.5	13	14.5	16	17.5
	C	15.6	20.4	23	28	32.8

291S Solid Plug

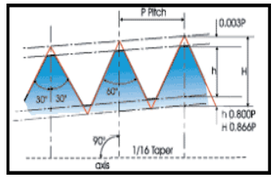




Size	Inch	1/2				
	mm	15				
Dim. (mm)	A	14.5				
	B	10				
	C	14				

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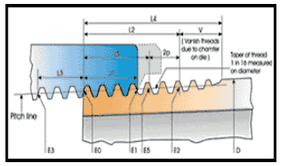
Basic Dimension, for American Standard Pipe Threads



Taper thread

H= 0.866025 p=0.866025/n

h= 0.800 p=0.800/n



Taper thread

L2=(0.8D+6.8) 1/n=(0.80D+6.8)p

Nominal Pipe Size(inchs)	O.D.of Pipe (D)	Threads /in (N)	Pitch of Thread (P)	Pitch Dia. at Beginning of External Thread(E0)	Handtight Engagement			Effective Thread.Extenal			Depth of Thread h
					Length² (L1)		Diam³. (E1)	Length⁴ (L2)		Diam. (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
11/4	1.660	11.5	0.08696	1.55713	0.4200	4.83	1.58338	0.7068	8.13	1.60130	0.069
11/2	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
21/2	2.875	8.0	0.12500	2.71953	0.6820	5.46	2.76216	131375	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
31/2	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 (inchs)	Length,L1 Plane to L2 Plane External Thread (L2-L1)		Wrench Makeup Length for Internal Thread⁷			Vanish Thread (V)		Overall8 Length External Thread (L4)	Nominal Complete External Thread5		Height of Thread(h)	Increase in Diam./ Thread (0.0625/n)	Basic⁶ Minor Diam.At Small End of Pipe(K0)
			Length(L3)		Diam. (E3)				Length. (L5)	Diam. (E5)			
	Inch	Thread	Inch	Thread		Inch	Thread						
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	0.3339
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
11/4	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
11/2	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
21/2	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
31/2	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.

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