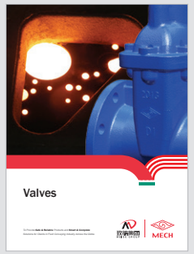
MECH FLOW SUPPLIES



玫德集团 MEIDE GROUP | MECH

JINAN MEIDE CASTING CO., LTD.

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Industrial Park Pingyin, Jinan, China 250400

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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.

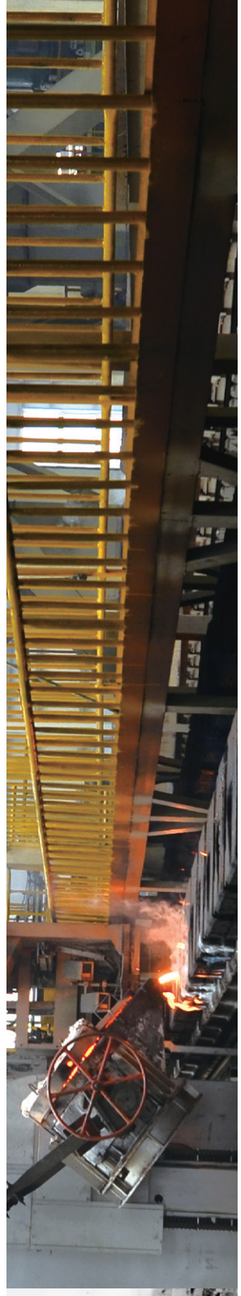
The company is the well-known manufacturer in the fitting industry with the most complete range of products, supplying malleable iron fittings, grooved fittings, grooved couplings, valves, cast iron fittings, ductile iron fittings, steel pipe nipples and couplings, stainless steel nipples, brass pipe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

1960
1961 — Business Started from Grey Iron Pot
1962
1963
1964
1965
1966
1967
1968
1969
1970 — Malleable Iron Pipe Fittings
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988 — Export, Main Market: Southeast Asia
1989
1990 — Conduit Body
1991
1992
1993 — Self Export, Developed US and European Market
1994
1995 — Cast Iron Fittings
1996
1997 — Steel Pipe Nipples, Red Brass Pipe Nipples
1998 — Malleable Iron Pipe Clamps
1999 — Pipe Hangers and Brackets
2000 — Ductile Iron Grooved Fittings and Couplings, Ball Valves
2001
2002 — Ductile Iron Pipe Fittings
2003 — Bronze Fittings
2004
2005
2006
2007
2008 — Electric Power Fittings
2009
2010
2011 — Valves
2012 — Extra-heavy Brass Pipe Nipples
2013 — Steel Pipes
2014 — "MECH" Malleable Iron Pipe Fittings

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.

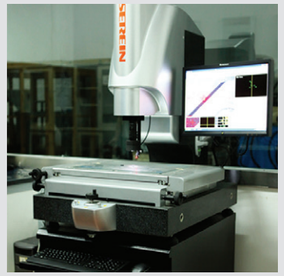
Inspection facilities include: spectrometer, carbon sulfur analyzer, metallurgical microscope, tensile strength testing equipment, pressure testing equipment, adhesive force testing equipment, CMM, hardness tester, etc.

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.

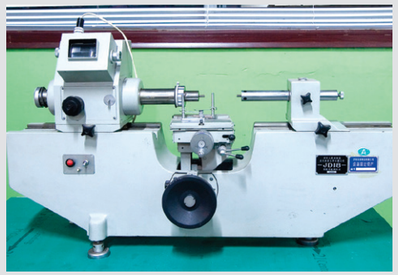
Metallurgical Microscope

Spectrometer

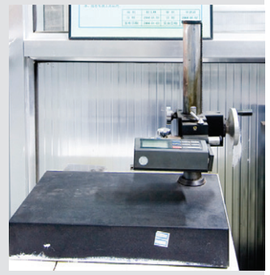
CMM



Projector



The Length of The Test Instrument

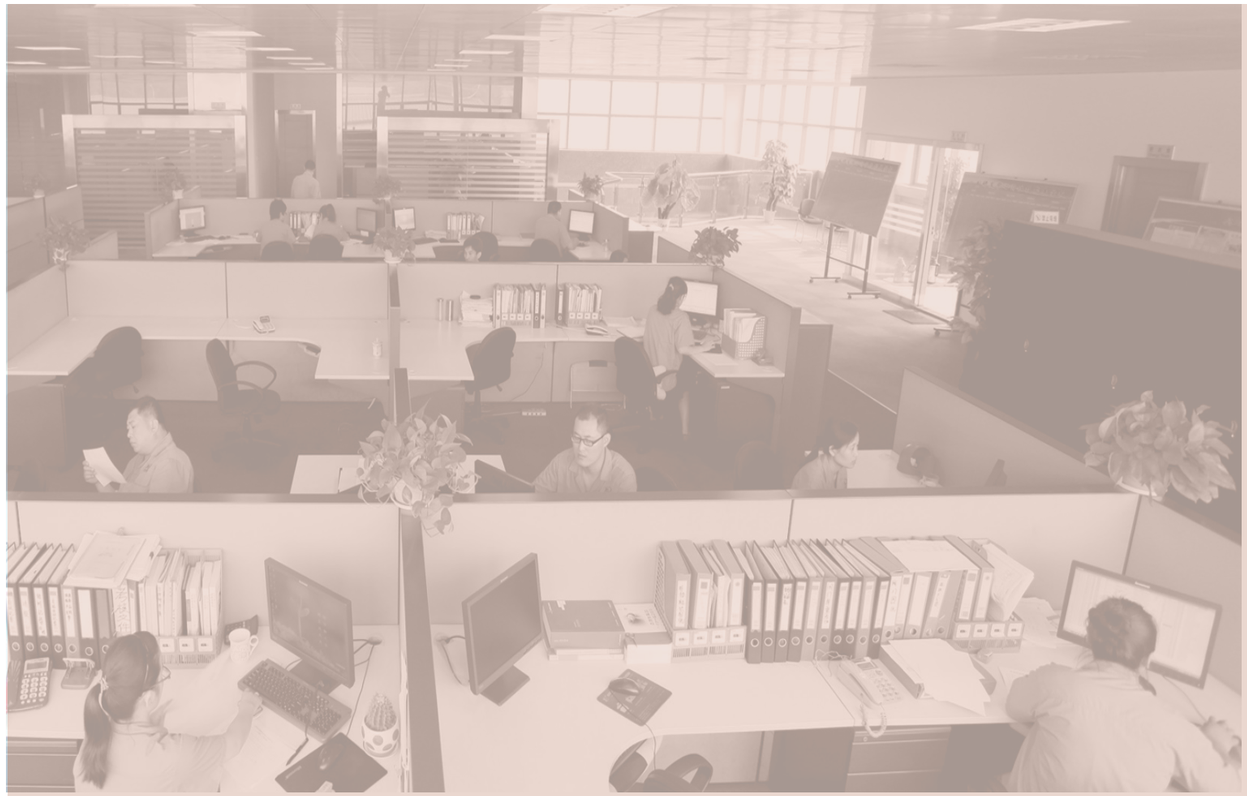


Roughness Tester

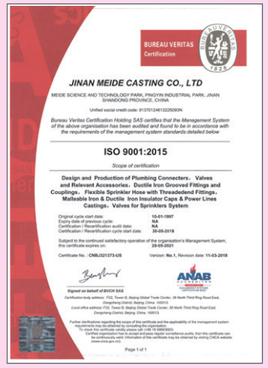
Carbon Sulfur Analyzer

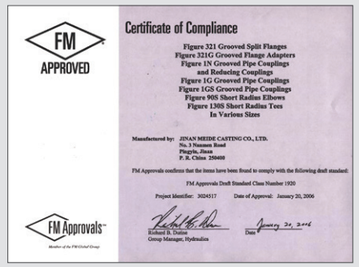
Tensile Strength Testing Equipment

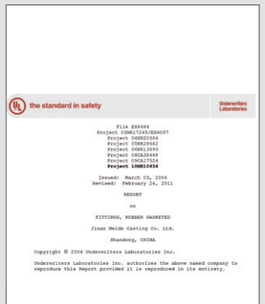
Sand Testing Instrument

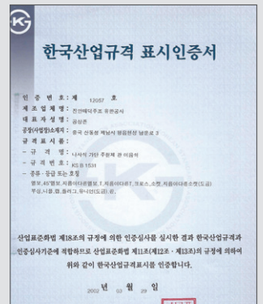


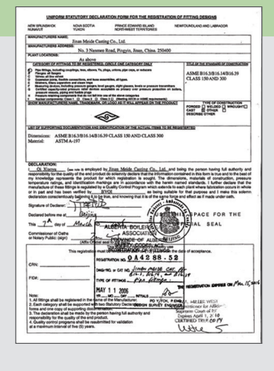
Certificates

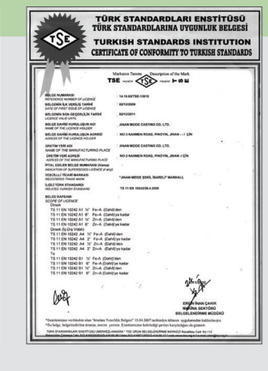










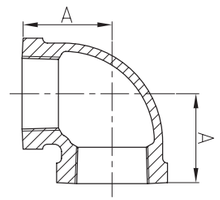


Ductile Iron Pipe Fittings

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

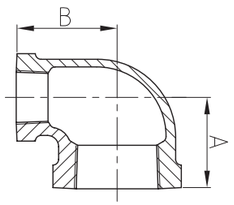
Elbow, 90°



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

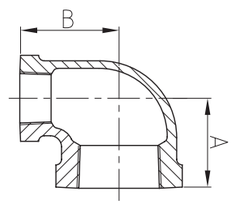
Reducing Elbow, 90°



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

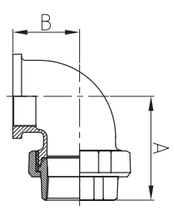
Reducing Elbow, 90°



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						

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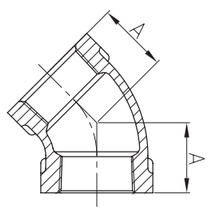
120

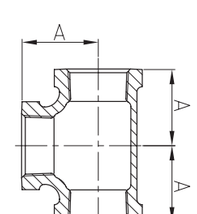
Elbow, 45°



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

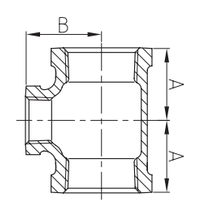
Tee



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

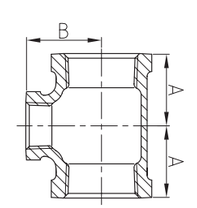
Reducing Tee



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					

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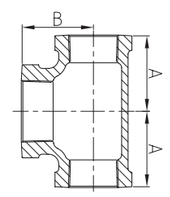
130R

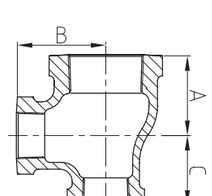
Reducing Tee



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

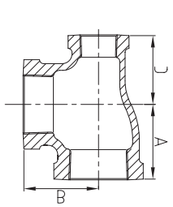
Reducing Tee



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

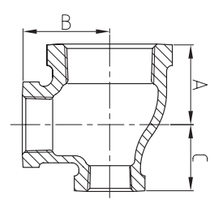
Reducing Tee



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

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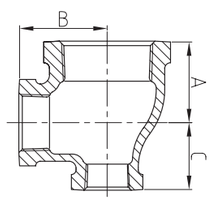
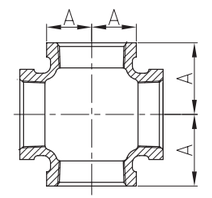
130R Reducing Tee



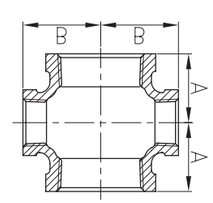
Size	Inch	11/2X11/4X1	11/2X11/4X2	2X1X11/2	2X11/4X1
	mm	40X32X25	40X32X50	50X25X40	50X32X25
Dim. (mm)	A	41.9	54.9	51.3	44
	B	45.7	51.3	54.9	51
	C	40.1	53.3	45.7	40
Size	Inch	2X11/2X1/2	2X11/2X3/4	2X11/2X1	2X11/2X11/4
	mm	50X40X15	50X40X20	50X40X25	50X40X32
Dim. (mm)	A	37.9	40.5	43.9	48.3
	B	47.8	50	51.3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

180 Cross



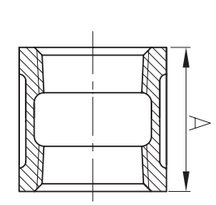
Size	Inch	3/4	1	11/4	11/2	2	
	mm	20	25	32	40	50	
Dim. (mm)	A	33.1	38.1	44.5	49.3	57.2	
Size	Inch						
	mm						
Dim. (mm)	A						

180R Reducing Cross



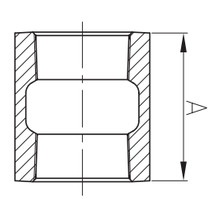
Size	Inch	11/4X1	11/2X1	11/2X11/4	2X1	
	mm	32X25	40X25	40X32	50X25	
Dim. (mm)	A	40.1	41.9	46.2	43.9	
	B	42.4	45.7	47.8	51.3	
Size	Inch					
	mm					
Dim. (mm)	A					
	B					

220 Coupling



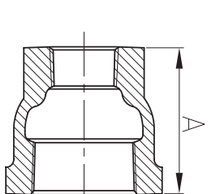
Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	34.0	38.6	42.4	49	54.6	64.3
Size	Inch						
	mm						
Dim. (mm)	A						

1220 Coupling, plain,with ribs



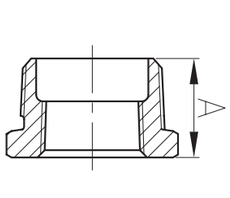
Size	Inch	1/2	3/4	1	11/4	11/2	2
	mm	15	20	25	32	40	50
Dim. (mm)	A	35	40	46	50	56.5	65.5
Size	Inch	21/2					
	mm	65					
Dim. (mm)	A	74.5					

240 Reducing Coupling



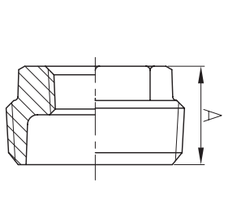
Size	Inch	1X1/2	1X3/4	11/4X3/4	11/4X1	11/2X1
	mm	25X15	25X20	32X20	32X25	40X25
Dim. (mm)	A	42.9	42.9	52.3	52.3	58.7
Size	Inch	11/2X11/4	2X1	2X11/4	2X11/2	
	mm	40X32	50X25	50X32	50X40	
Dim. (mm)	A	58.7	71.4	71.4	71.4	

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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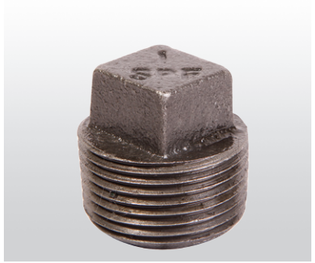
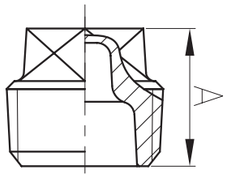
291

Plug

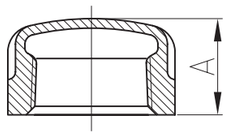




Size	Inch	1/2	3/4	1	11/4	11/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	23.9	27.2	31.8	34.5	36.9
Size	Inch	2				
	mm	50				
Dim. (mm)	A Min	39.7				

300

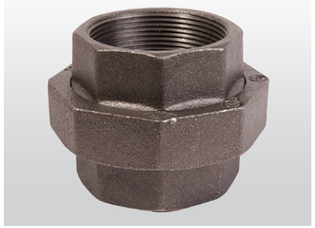
Cap

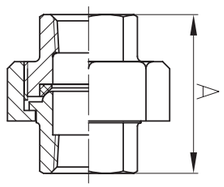


Size	Inch	1/2	3/4	1	11/4	11/2
	mm	15	20	25	32	40
Dim. (mm)	A Min	22.1	24.6	29.5	32.5	33.8
Size	Inch	2	21/2			
	mm	50	65			
Dim. (mm)	A Min	36.8	43.2			

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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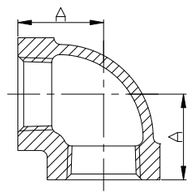
Cast Iron Pipe Fittings

Material: ASTM A126
Dimensions: ASME B16.4, B16.14
Threads: ASME B1.20.1
Size Available: 1/2" - 4"

90

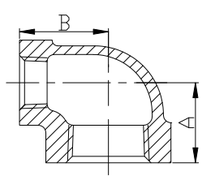
Elbow, 90°



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

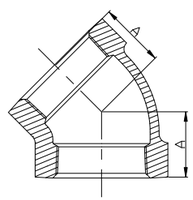
Reducing Elbow, 90°



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

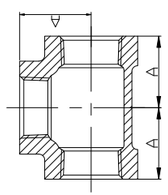
Elbow.45°



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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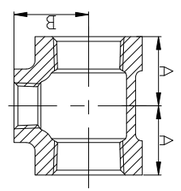
130R

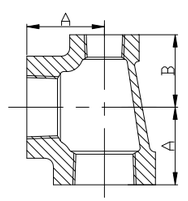
Reducing Tee



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

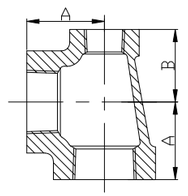
Reducing Tee



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

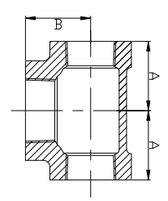
Reducing Tee



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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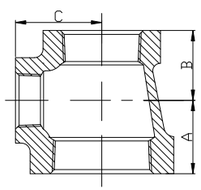
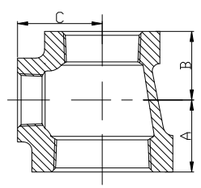
130R Reducing Tee



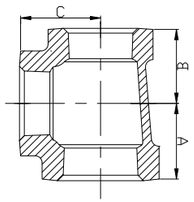
Size	Inch	11/4X1X1/2	11/4X1X3/4	11/4X1X11/2	11/2X1X3/4
	mm	32X25X15	32X25X20	32X25X40	40X25X20
Dim. (mm)	A	34	37	46.5	38.5
	B	32	35	44.5	35
	C	39	41	44.5	44.5
Size	Inch	11/2X1X11/4	11/2X11/4X1/2	11/2X11/4X3/4	11/2X11/4X1
	mm	40X25X32	40X32X15	40X32X20	40X32X25
Dim. (mm)	A	46	36	38.5	42
	B	42.5	34	37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

130R Reducing Tee



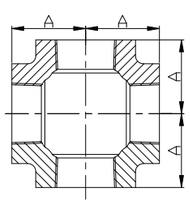
Size	Inch	11/2X11/4X2	2X11/2X1/2	2X11/2X3/4	2X11/2X1
	mm	40X32X50	50X40X15	50X40X20	50X40X25
Dim. (mm)	A	55	38	40.5	44
	B	53.5	36	38.5	42
	C	51.5	48	50	51.5
Size	Inch	2X11/2X11/4			
	mm	50X40X32			
Dim. (mm)	A	48.5			
	B	46			
	C	53.5			

130R Reducing Tee



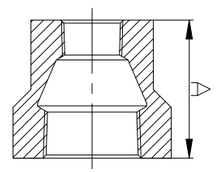
Size	Inch	11/4X1X1	11/2X1X1	11/2X11/4X11/4	2X11/2X11/2
	mm	32X25X25	40X25X25	40X32X32	50X40X40
Dim. (mm)	A	40	42	46	51.5
	B	38	38	44.5	49.5
	C	42.5	45.5	48	55

180 Cross



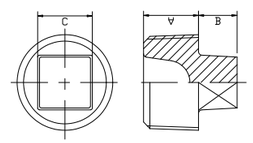
Size	Inch	1					
	mm	25					
Dim. (mm)	A	37					
Size	Inch						
	mm						
Dim. (mm)	A						

240 Reducing Coupling



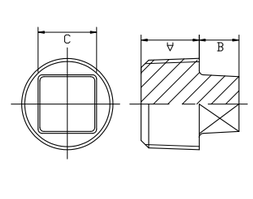
Size	Inch	1X1/2	1X3/4	2X1			
	mm	25X15	25X20	50X25			
Dim. (mm)	A	43	43	59			
Size	Inch						
	mm						
Dim. (mm)	A						

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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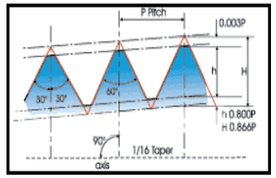
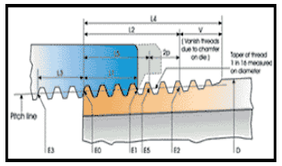
Basic Dimension, for American Standard Pipe Threads



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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